				. 5. 5 5. 6			riieiio	
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width	Number Persons Killed Ir	S	Estimated Damage	January 1996 Character of Storm
LABAMA, North Cen		Standard	(Willes)	(Yards)	Kilica II	ijurcu	Property Crops	Character of Storm
ALZ001>038	Lauderdale - Fayette - '	Winston - Wall	ker - Cullma	n - Blount -	Etowah - C	alhoun -	Cherokee - Clebi	ll - Jackson - Dekalb - Marion - Lama urne - Pickens - Tuscaloosa - Jeffersoi bb - Chilton - Coosa - Tallapoosa -
	06 07	2000CST 1500CST			0	0	380K 38K	Winter Storm
	A winter freezing northern had trave Airport v Sunday t	storm brought rain and sleet be sections of these el problems into with 2 inches.	at quickly chate that laste Tuesday.  Most other lality occurred	anged to sno d into Monda Amounts we ocations acro d in an autor	w. The precay morning (re generally oss North Anobile/train	cipitation (the 8th). light wi labama r collision	coated roads and of Some higher elevate the highest snow reported one-quarter in Calhoun Country	airds of Alabama. Precipitation began a caused serious travel problems across th ations of the northeast corner of Alabam wfall reported at Huntsville Internation er of an inch to an inch and a half. O ty that was attributed to icy roads. Th
Tuscaloosa County								
8 NW Tuscaloosa							•	Hail (0.75) north of Lake Lurleen State Park. Ha
ALZ001>018-020-022	Lauderdale - Fayette - '	Winston - Wall	anklin - Law	rence - Lim	estone - Ma Etowah - C	dison - l herokee	Morgan - Marshal - Pickens	ll - Jackson - Dekalb - Marion - Lama
	18 19	1800CST 0500CST	harn third o	f Alabama a	0	0 ng a cold	400K	High Wind (G40) espread scattered damage. Damage wa
							e occurred in sever	
Lamar County	1 )		.,,	1				
Vernon	<b>19</b> Several t	1220CST rees were report	ed blown do	wn in the Ver	non area.	0	12K	Thunderstorm Wind (G50)
<b>Elmore County</b>								
8 NE Wetumpka	24 Elmore S	0340CST Sheriff's Departn	nent reported	one large tre	0 ee and severa	0 al smaller	<b>8K</b> trees down in the	Thunderstorm Wind (G50) Santuck area of central Elmore County.
Montgomery County 23 S Montgomery to Montgomery	24	0345CST			0	0	12K	Thunderstorm Wind (G50)
	Several t	rees and power	lines were re	ported downer	ed in the Dav	venport a	rea along Highway	97.
Tuscaloosa County Tuscaloosa	26	1200CST 2000CST			0	0		Heavy Rain
		rive inches of ra				•		scaloosa area causing road closures an losed due to high water.
Jefferson County	·	,	1	C		,		5
Birmingham	26	1400CST 1800CST			0	0	75K	Flash Flood
	flooded i	n the heavy rain	especially o	n the north s	ide of Birmi	ngham ai	nd in the Tarrant ar	acuated. A number of underpasses werea. Shades Creek was out of its banks in Oxmoor Valley area of Patton Creek.
St. Clair County								
Pell City	26	1500CST 2100CST	Townty force	l the election	0 of several ma	0	oiolly in the Dell Ci	Heavy Rain
Lee County	neavy 1a	ilis ili St. Ciali C	Louinty Torces	i tile closing	oi severai ic	aus espe	cially in the Pell Ci	ty area.
8 SE Opelika	<b>26</b> Several l	2220CST arge trees were	reported dow	n in the Beau	0 iregard area	0 of centra	15K l Lee County. A st	Thunderstorm Wind (G50) torage shed was also damaged.
<b>Sumter County</b>					_		-	
Bellamy	30 Dime siz	1820CST e hail was repor	ted at Bellan	ny by the Sun	0 nter County	0 EMA.		Hail (0.75)
Talladega County								
Childersburg						0 rtment h	ouse was threaten	Flash Flood ed by rising water. Highway 76 from
ALABAMA, Southeast	Childers	burg to Winterbo	oro was also	reported to b	e flooded.			
Coffee County 5 N Kinston	11	1835CST	1	75	0	0	100K	Tornado (F1)
	A tornad	•	ouse trailers	that were un	occupied. De	ebris was	scattered for abou	t 1 mile, according to county emergence
<b>Coffee County</b>	managen							
Enterprise	. 11	1845CST			0	0	3K	Thunderstorm Wind
	Several t	rees were blow	n down and	two backyar	d sheds wer	e destroy	yed according to n	ewspaper reports and county emergenc

		Time	Path	Path	Number Person		Estimated	January 1996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)			Damage Property Crops	Character of Storm
ALABAMA, Southeast	managen	nent.						
Dale County	Č							
Pinckard	11 County e	1905CST mergency man	agement coi	nfirmed that	0 three sheds w	0 ere destro	<b>5K</b> byed, and several h	Thunderstorm Wind nouses received superficial damage.
<b>Henry County</b>								
Headland	11 County e	1938CST emergency man	agement rep	orted that a j	0 porch roof wa	0 s lifted of	<b>2K</b> ff a home and a she	Thunderstorm Wind ed was destroyed.
ALABAMA, Southwest								
Clarke County							•	
Thomasville		1405CST AL TREES WE NEVER TOUC			THE THOM	0 ASVILL	<b>2K</b> E AREA. SEVER	Thunderstorm Wind (G50) RAL PEOPLE SAW A FUNNEL CLOUD
Mobile County Creola	26	1525CST			0	0	5K	Thunderstorm Wind (G88)
	RADCLI		HE WIND I	DOWNBUR	ST ALSO DA			A 600 YARD WIDE AREA ALONG N FOUR HOMES AND DEBRIS FROM
<b>Baldwin County</b>								
Latham	<b>26</b> SEVERA	<b>1615CST</b> AL TREES AN	D POWER	LINES WER	E BLOWN D	0 OWN A	<b>2K</b> LONG ALABAM	Thunderstorm Wind (G50) A HWY 59 NEAR LATHAM.
Washington County	•	4 <b>=</b> 40.00m					•	
Mc Intosh	26 SEVER	1710CST 1711CST	D POWFR	I INFS WFR	0 F BLOWN I	OWN A	2K LONG US HWY	Thunderstorm Wind (G50) 43 NEAR McINTOSH.
Clarke County	DL V LIM	IL TREES 7111	DIOWER	EII (ES WEI)	E DEO WITE	/O W I V I I	LONG CD IIW I	43 IVL/IIV WEIIVI OSII.
Jackson	26	1720CST 1721CST			0	0	2K	Thunderstorm Wind (G50)
	SEVERA	AL TREES WE	ERE BLOW	N DOWN IN	THE SOUT	HEAST F	PART OF JACKSO	ON.
Mobile County Gulf Crest	26	1727CST	2	500	1	3	100K	Tornado (F1)
	ABOUT WEEK I ANOTH A HILL TRAILE	2 MILES. TI LATER. TWO ER OF THE IN AND THIS V	HREE PEOF DELDERLY NJURED WAS WHEE DROOF DA	PLE WERE Y WOMEN AS IN A MO RE THE TO AMAGE AS	INJURED A WERE IN A OTOR HOME RNADO FIR THE TORN	ND ONE TRAIL! NEXT T ST TOU ADO M	OF THESE DIEI ER THAT WAS TO THE TRAILEI JCHED DOWN. OVED NORTHE.	ID THEN MOVED NORTHEAST FOR D IN A LOCAL HOSPITAL ABOUT A TURNED OVER BY THE TORNADO. R. THE TRAILER WAS LOCATED ON OTHER HOMES AWAY FROM THE AST. TREES WERE BLOWN DOWN
Monroe County	24	15 40 CCF			0	0	217	T 1 ( XX 1 (C50)
Frisco City	26 SEVER	1740CST 1741CST	D POWFR	I INFS WFR	0 F BLOWN I	OWN A	2K LONG ALABAM	Thunderstorm Wind (G50)  A HWY 21 SOUTH OF FRISCO CITY.
<b>Mobile County</b>	SE VEIG	ie mees m	DIOWER	EII (ES WEI	E BEO WILL	.0 111111	LOTTO TIETIDI IIII	Tim i 2i boc in oi riabeo en i.
Mt Vernon	26	1800CST 1801CST			0	0	2K	Thunderstorm Wind (G50)
	SEVER A	AL TREES AN	D POWER	LINES WER	E BLOWN I	OWN A	LONG US HWY	43 NEAR MOUNT VERNON.
Wilcox County Camden	26	1805CST 1806CST			0	0	2K	Thunderstorm Wind (G50)
	SEVER A		D POWER	LINES WER	E BLOWN I	OWN IN	N THE CITY OF C	CAMDEN
<b>Baldwin County</b>	BE ( EIG	ie mees m	DIOWER	EII (ES WEI	E BEO WILL		· IIIE CITT OF C	
Tensaw	26	1810CST 1811CST			0	0	2K	Thunderstorm Wind (G50)
	SEVER <i>A</i>	AL TREES AN	D POWER	LINES WER	E BLOWN I	OWN JU	JST WEST OF AI	LABAMA HWY 59 NEAR TENSAW.
Clarke County								
Alma	26 SEVERA	1825CST 1826CST AL TREES AI	ND POWER	R LINES W	0 ERE BLOW	0 N DOW	<b>2K</b> N ALONG COUI	Thunderstorm Wind (G50)  NTY ROAD 19 NEAR THE CITY OF
	ALMA.							
Monroe County Jeddo	26	1850CST			0	0	2K	Thunderstorm Wind (G55)
		<b>1851CST</b> AL TREES AN Y ROAD 8.	ND POWER	LINES WE	RE BLOWN	DOWN	NEAR JEDDO W	WHICH IS NORTH OF URIAH OFF OF
AT 7061								
ALZ061	Upper Mob 27	0200CST 0205CST			0	0	150K	High Wind (G40)
	A NURS		MER SUFF	ERED MAJO	OR DAMAG	E AS A	COLD FRONT M	OVED THROUGH THE AREA. A 150

		Time	Path	Doth	Numbe	r of	Estima	tad		I 1006
Location	Date	Local/ Standard	Length (Miles)	Path Width (Yards)	Person	ns	Dama Property	ge Crops	Character of Stori	January 1996
ALABAMA, Southwest			, ,	(,			1 7			
	ALSO THUNE	DAMAGED.	IT APPE EARLIER T	ARS THE	BUILDING WHEN T	AND THE FROM	THE PLA NT CAME	STIC H	OUSES WERE IGH THE WINDS	TIC HOUSES WERE DAMAGED FROM WERE BLOWING
ALASKA, Northern										
AKZ024	06	oce Island-Ber 0400AST 0600AST	Ü		0	0			High Wind (	,
A 17/7001	reached	35 kts for two							nds. Gambell on S wind of 40 kts.	aint Lawrence Island
AKZ001	Arctic Slop 19	0900AST 2000AST			0	0			High Wind (	,
1777024	(Kaktov	ik) which had a	a maximum s	sustained wir		Area affe	cted was fr	om east o	of Flaxman Island,	namely Barter Island
AKZ024	20	ice Island-Ber 1100AST 1800AST			0	0			High Wind (	,
	Gambel	on Saint Law	rence Island.	Maximum s	sustained win	d was 37	kts.		•	oduced high winds at
AKZ005>006-024	Lower Kol Bering Str	•	orthern Sewa	ard Peninsu	la - Southeri	n Seward	Peninsula	ı-Eastern	Norton Sound - S	St. Lawrence Island-
	27 28	1800AST 2300AST			0	0	a : a .		High Wind (	,
AKZ005	speeds v	g high over Ala vere 42 kts at K buk Valley-No	Kotzebue, 44	kts at Cape I	Prince of Wal				n Bering Sea. Max	imum sustained wind
AKZUUS	28	0700AST 2100AST			0	0			Blizzard	
AKZ007	from on	e of the centers		-		noving no	orth over th	ie far wes	stern Bering Seqa;	and an occluded front
AKZ007	Tanana Va 29 30	1800AST 1800AST			0	0			Heavy Snow	
	Tanana		ches, Nenana	a 5 inches, ar	nd McGrath 1	0 inches,	so an amo	unt of 6 to	o 8 inches was like	th exceeded 6 inches. ly to have fallen over
AKZ001	Arctic Slop 31	pe Coastal 1400AST 2100AST			0	0			Blizzard	
	Kuparul	essure building	-	-		_			•	lizzard conditions at WOS unavailable for
ALASKA, Southeast										
AKZ012	Lynn Cana 06	al-Glacier Bay 0500AST	7		0	0	0	0	Heavy Snow	
	07 Most co	1430AST			a received 1	2 to 18 i			•	s event. The highest
AKZ012	Lynn Cana	al-Glacier Bay 0630AST		,	0	0	0	0	Extreme Win	dakili
		1700AST ly winds at 25 i			produced wi	nd chill	U	U	Extreme win	uciiii
AKZ012		tures to 50 belo al-Glacier Bay 0500AST	•	nn Canai and	a Giacier Bay	0	0	0	Extreme Win	dchill
	20 Norther	1100AST ly winds at 30 i			produced wi	nd chill	v	v	Extreme Will	ucinii
ALASKA, Southern	tempera	tures to 50 belo	ow zero acros	ss northern S	outheast Alas	ska.				
AKZ010>011-021>022	Yukon-Ku 01 02	skokwim Delt 0000AST 2359AST	a - Bristol B	ay Coastal -	Western Al	aska Pen 0	insula - Ea	astern Al	eutians High Wind (	G57)
	A strong Monday	g 953 mb low j	eached 66 mp	h at Dutch H	Harbor, 54 mj	ph at Sain	t Paul and			nbs late Tuesday. On uesday, winds gusted
AKZ022	Eastern Al			•	0	0	•		High Wind (	G <b>39</b> )

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number Persor Killed l	18	Estimat Damas Property	ge	Character of Storm	January 1996
ALASKA, Southern				*			<u> </u>	-		
,	_					within 30	00 miles of	Shemya wh	nere it stalled and	l began to weaken.
AKZ009>011-018>021-		eached 39 mph n Valley - Vul			•	Coastal -	Cook Inle	ot-Sucitna V	alley - Central G	ulf Coast -
023		and-Eastern A							ancy - centrar o	un coast -
	06 10	0000AST 2359AST			0	0			High Wind (Go	<b>58</b> )
	A very la	arge 976 mb lo								the Bering Sea and
		-			•	-		-	•	rtheastward toward
	Place	on Island. Foll Date		gnest gusts fo peed (mph)	eporteu, uays	and prace	es at winch	mey occurre	u:	
	Kodiak	9		50						
	Sitkinak Saint Par	Island 9 ul Island 6		78 45						
	Bethel	6	4:							
	Cape Ro		5	56						
	Mekoryi	ewenham uk 7	7	61 48						
	Cold Ba			53						
	Dillingh			54 40						
	Chulitna Egegik	1 Louge 7	4	3						
	Sparrevo		9	69						
	Big Rive Cantwell			43 62						
	Seward	10		58						
A 17/7010	Whittier			63						
AKZ019	Central Gu 06 07	0000AST 2359AST			0	0			High Wind (G	12)
										Island late Sunday.
A 12/7010	Wind gu	sts of 39 mph		•				-	at the Valdez an	rport site Saturday.
AKZ019	Central Gu 08	0000AST 2359AST			0	0	3K		High Wind (G	19)
	Monday'		cing closure	of the last 90	00 feet of the	3,900 foo	t runway w	hile the rock		oor) runway during Several Alaska Air
AKZ019	Central Gu		210	ona were and						
	10 15	0000AST 2359AST			0	0			High Wind (G	55)
	_								•	Canada. Cold air
										ez city site, 58 mph nd gusts of 58 mph
		Wednesday and							1	
AKZ022	Eastern Ale				0	0			High Wind (C)	12)
		0000AST 2359AST							High Wind (G	
		rate weather freeastward. Wi				stalling ju	ast south of	the Aleutian	ns where it contin	ued to weaken and
AKZ022	Eastern Ale		na gusts reac	neu 40 mpn	at Shemya.					
	17	0000AST 2359AST			0	0			High Wind (G4	<b>15</b> )
	A moder		western Pac	cific deepene	ed to 969 mb	s, moving	g to 240 m	iles southwe	st of Shemya We	dnesday afternoon.
A T7/7011 001 000	-	ists reached 47			•					
AKZ011-021>022	Bristol Bay 20 21	Coastal - We 0000AST 2359AST	stern Alask	a Peninsula	- Eastern Al 0	eutians 0			High Wind (G	10)
	A moder recurved thereafte	rate 980 mb lo l eastward into	Bristol Bay	Sundaywe	eakening to a	995 mb	center. The	e low reform	ed eastward into	day. The low then the Gulf of Alaska Sunday, 40 mph at
AKZ018		-Susitna Valle 0000AST	y		0	0	6K		Extreme Cold	
	Very col	2359AST ld temperature	s and a lack	c of snow b	egan to caus	e probler	ns in subg	round plumb	oing. One exam	ple of this damage
									nto some areas.	

		_	_			_		_		
I anding	Date	Time Local/	Path Length	Path Width	Number Person	S	Estima Dama	ge	GI CG	January 1996
Location A. C. A.	Date	Standard	(Miles)	(Yards)	Killed I	njured	Property	Crops	Character of Storr	n
ALASKA, Southern AKZ021	Western Al	aska Peninsul	la.							
AKZUZI	23	0000AST	ıa		0	0			High Wind (	G40)
	24	2359AST		1 . 1D .	C* 1	a .	. 1 .	A., 1.	1 17 1 1 1 1	
										ninsula, weakening to hed 43 mph at Dutch
		nd 40 mph at S		mas reached	т чо трп ис С	old Day	Wednesda	y. On Tu	esday, winds reach	ned 45 mpn at Duten
AKZ022	Eastern Ale	eutians	•							
	24 25	0000AST 2359AST			0	0			High Wind (	G54)
			moved slov	wly northwai	d to offshore	areas ju	ıst southeas	t of the R	ussian Kamchatka	Peninsula Thursday.
										n the Bering Sea and
			•	. At Shemy	a winds reache	ed 60 m	ph on Wedr	esday and	l 62 mph on Thurs	day.
AKZ022>023	Eastern Ale	eutians - St. P 0000AST	aul Island		0	0			High Wind (	C42)
		2359AST			-					,
									to the central Berin	ng Sea Friday. Winds
AKZ009>011-021>023		3 mph at Dutc							mineula - Factorn	Aleutians - St. Paul
AKZ00//011-021/023	Island	i vancy - I ur	ton-ixuskok	wiiii Deita -	Diistoi Day (	Justai	- Western	Maska I (	illisula - Lasteri	Alcudans - St. I au
	27 28	0000AST			0	0			High Wind (	G58)
		2359AST in a series, of	f lows move	ed through th	e central Ale	utians d	leepening to	966 mbs	s before curving n	orthwestward toward
										across the Bering and
										ds reached 45 mph at
										unday, winds reached Point, 47 mph at Port
	•	•	•			_		-	nph at Bethel and S	•
AKZ022	Eastern Ale				•		C			•
	30 31	0000AST 2359AST			0	0			High Wind (	G53)
			ows shifted	further west	, an intense lo	ow deep	ened to 965	mbs jus	southeast of the	tip of the Kamchatka
										ociated with this low
									l moved to 300 mi 8 mph Wednesday	les south of Attu as a
ARIZONA, Central and		enter wednest	iay anemoo	ii. Willus lea	iched of hiph	at Shen	iya on Tues	uay anu 4	o ilipii wedilesday	•
AZZ012	Mogollon R	im/Plateau								
	02	0100MST			0	0	0	0	High Wind	
	Wind Da	0300MST mage in Flags	staff. AZ. N	Ion-convecti	ve winds knoo	cked do	wn trees la	rge branc	hes and power lin	nes. No estimated or
		wind speeds					,	-8	, F - · · · · ·	
AZZ011		ado River Va	lley							
	19	1300MST 1330MST			0	0	0	0	High Wind (	G50)
	Non-conv	vective wind g	usts measure	ed to 50 kts/5	8mph at the S	t. Johns	airport. No	damage	reported	
Yavapai County										
10 NE Camp Verde	25	1120MST 1230MST			0	0	0	0	Thunderstor	m Wind (G62)
	Thunders	torm wind gus	sts experienc	ed at Lake M	Iontezuma.					
AZZ011		ado River Va	lley							
	25	1600MST 1630MST			0	0			High Wind (	G <b>59</b> )
	Non-conv		gusted in ex	cess of 50 kt	s/58 mph mea	sured a	t the St. Joh	ın's airpor	t. Peak gust of 59	kts/68 mph occurred
	at 16:40.									
ARIZONA, Northwest										
	NONE R	REPORTED.								
ARIZONA, South										
AZZ026	Cochise Co	unty								
	17	1100MST 1800MST			0	0	50K		High Wind (	G <b>56</b> )
	A dry col		g through th	e area broug	ht widespread	strong	winds to so	utheast A	rizona. Low visibi	lities in blowing dust
	•			_		_			riculuture shed ne	-
ARIZONA, Southwest										
AZZ015	Lower Colo 17	rado River V 0730MST	alley		0	0			High Wind	
	1/	0745MST			Ū	J			mgn wind	

Strong gradient winds associated with a vigorous storm system produced wind damage in Poston. Three power poles snapped and

several trees blew over.

		Time	Doth	D-4-	M	her of	P-41	otad		1005
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		ber of sons Injured	Estim Dam Property	ated age Crops	Character of Storm	January 1996
ARIZONA, Southwest		Standard	(Wines)	(Tarus)	Timeu	mjarea	Troperty	Crops	Character of Storm	
AZZ019		etro/Central l	Deserts							
	17 Blowing	1220MST	visibility to n	ear zero whic	<b>0</b> ch caused 2	17 25 vehicles	s to pile up	on Interstat	<b>Dust Storm</b> te 10 about 10 miles s	outh of Phoenix
ARKANSAS, Central a	-						FF			
ARZ003>007-012>016- 020>024-030-037>038- 040		arion - Baxter eburne - Loga			on - Searc	y - Stone	- Izard - I	ndepender	ice - Franklin - John	son - Pope - Van
	01 02	2200CST 1900CST			0	0			<b>Heavy Snow</b>	
	Heavy si Accumu	now fell over p	6 inches we	re common, v	with locall	y heavier	amounts of		n the 1st until late afte ches, especially in hig	
Hot Spring County Bonnerdale	18 Some tre	0315CST ees were blowr	ı down.		0	0			Thunderstorm \	Wind (G50)
Garland County Hot Spgs	18 Thunder	0325CST storm winds de	owned severa	al trees. Some	<b>0</b> e buildings	0 s also sust	ained roof d	lamage.	Thunderstorm \	Wind (G50)
Pope County Russellville	18	0340CST			0	0			Thunderstorm \	Wind (G50)
Pope County Atkins	18	0350CST			0	0			Thunderstorm \	Wind (G50)
Conway County Morrilton	18	0405CST trees were know			0	0	damage		Thunderstorm V	Wind (G50)
Saline County Benton	18	0410CST in Benton sust			0	0	uumuge.		Thunderstorm \	Wind (G50)
Conway County Center Ridge	18	0415CST buildings susta			0	0			Thunderstorm \	Wind (G50)
Baxter County Mountain Home	18	0415CST estorm winds g			0	0	nac		Thunderstorm \	Wind (G43)
Van Buren County Clinton	18	0420CST			0	0		oothers S	Thunderstorm vome trees were also b	
Faulkner County Conway	<b>18</b> Thunder 5 airplan	0430CST estorm winds cases receiving so from the trailer	aused signific	cant damage i	<b>0</b> in part of t railer park	3 he city of had 4 mo	Conway. T	wo hangar destroyed,	Thunderstorm viscome damaged at the with 6 or 7 sustaining ort, also had several by	Wind (G50) e airport, with 4 to g heavy damage. 3
White County Rose Bud	18 A few tr	0500CST ees were blown	n down onto	a building.	0	0			Thunderstorm '	Wind (G50)
Cleburne County Heber Spgs	18 Several t	0505CST trees were know	cked down.		0	0			Thunderstorm \	Wind (G50)
White County 5 N Searcy	18 Thunder	0520CST	lew down a t	ree onto a ho	0 use and car	0 mper traile	er. Both the	e house and	Thunderstorm V	
Prairie County Slovac	18	0545CST			0	0			Thunderstorm \	
Prairie County Des Arc	18	0600CST			0	0			Thunderstorm \	Wind (G50)
Woodruff County Augusta	18	0615CST		•	0	0			Thunderstorm \	Wind (G50)
Woodruff County Mc Crory	18	0630CST trailer was des	·		0	0			Thunderstorm \	Wind (G50)

		Time	Path	Path	Number	of	Estimated	January 1996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Person Killed I	s njured	Damage Property Crops	•
ARKANSAS, Central and	l North C	<u>entral</u>						
Jackson County 10 ESE Newport	18 Thunder	0630CST storm winds dar	maged 4 hou	ses and seve	<b>0</b> eral outbuildin	0 ngs.		Thunderstorm Wind (G50)
ARKANSAS, East								
Lawrence County 7 SW Hoxie to 6.5 SW Hoxie	18	0655CST 0657CST	0.5	25	0	0	10K	Tornado (F0)
		do touched dow rees and power		ghway 228 I	between Mint	turn and	Clover Bend. Tw	vo buildings were blown over along with
Cross County 5 E Hickory Ridge to	18	0700CST			0	0	10K	Thunderstorm Wind
5 E Tilton	A few to Hickory		ked down ea	st of Tilton	. One tree fel	lonan	nobile home. Five	power poles were knocked down east of
Randolph County	•	C						
Pocahontas	18 Several p	0705CST 0710CST power lines were	e blown dow	'n.	0	0	5K	Thunderstorm Wind
Lawrence County								
Walnut Ridge	18	0715CST			0	0	5K	Thunderstorm Wind
	Several p	0720CST power lines were	e knocked do	own.				
Poinsett County 6 SE Harrisburg	18	0715CST			0	0	0.50K	Tstm Wind/Hail
USE Harrisburg		0720CST mall trees were	lamaged.		v	v	U.SUX	Istii Wiitali
St. Francis Country								
St. Francis County Hughes	18	0720CST 0725CST	1	50	0	0	50K	Tornado (F1)
	debris in	to a nearby pic	kup truck. A	lumber cor	npany lost its	roof. Se	everal outbuildings	two service bays and sending some of the s near the high school's football field were rous trees and power lines were downed as
Phillips County	40	0 <b>=</b> 20 CCT		25			2017	
4 W Marvell to 2 W Marvell	18 A mobile	0730CST 0735CST e home was lift	2 ed off its for	25 Indation and	0 carried 30 fe	3 et befor	30K e. rolling over three	Tornado (F1) e times. Three persons in the mobile home
		ured. Two home						F
Poinsett County 3 SW Lepanto to 1 SW Lepanto	18	0740CST 0745CST	2	50	0	0	50K	Tornado (F0)
-		ial wind dama	-		•			maged as were some storage sheds and s and power lines were downed.
Crittenden County West Memphis	18	0745CST 0750CST			0	0	10K	Thunderstorm Wind
	Several t	trees and power	lines were b	lown down.	One house w	as dama	ged.	
Craighead County Jonesboro	18	0750CST 0755CST			0	0	20K	Thunderstorm Wind
		us buildings in I		_			0	nor roof damage. Several storage buildings wer lines were downed.
Greene County Paragould	18	0750CST			0	0	5K	Thunderstorm Wind
	The roof	0800CST of a tavern was	partially blo	own off. A b	illboard was b	olown in	to a few storage bu	ildings.
Clay County	10	0010 <i>C</i> CT			0	0	20K	Thursdonetown Wind
Rector	18	0810CST 0815CST	22		0	0	20K	Thunderstorm Wind
Mississippi County	Several a	awnings were to	orn off some	businesses.	A few homes	were da	maged as well. Sev	veral power lines were blown down.
Burdette	18	0810CST 0815CST			0	0	70K	Thunderstorm Wind
	A home	under construct	ion was dest	royed. Num	erous farm an	a outbu	ildings were destro	byed. Many other buildings were damaged.

	Storm	Data	and U	nusua	ai We	eath	er Ph	enoi	mena	
	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		ber of sons Injured	Estima Dama Property		Character of Storm	January 1996
_		Stardard	()	(Turus)		,	Troperty	Сторы		

		Time Local/	Path Length	Path Width	Number Person		Estima Dama		January 199
Location	Date	Standard	(Miles)	(Yards)		Injured	Property	Crops	Character of Storm
ARKANSAS, East									
	Numero	ous trees and pov	wer lines we	re knocked d	own.				
ARKANSAS, Northwest									
ARZ001>002-010>011- 019-029		Carroll - Washi	ngton - Ma	lison - Crav					
	01 02	2000CST 0600CST			0	0			Heavy Snow
			across nort	hwest Arkan	sas durino tl	he evenir	ng of Ianu	arv 1st an	d continued into the early morning
		2nd. Snowfall			_		_	•	up to 12 inches in extreme northw
Washington County									
Fayetteville	17 A sever	2045CST e thunderstorm	produced str	ong winds w	0 hich downed	0 street sig	1K gns, trees, a	and power	Thunderstorm Wind lines in Fayetteville.
Benton County									
Siloam Spgs	17	2355CST			0	0			Thunderstorm Wind (G52)
Benton County									
2 S Gravette	18	0015CST			0	0	1.5K		Thunderstorm Wind
Benton County	40	00000000							
Bentonville	18	0030CST			0	0			Thunderstorm Wind (G52)
Sebastian County Midland	18	0050CST			0	0	4K		Thunderstorm Wind
Midiand			noved into n	orthwest Arl	onese durine	•		f Ionuary 1	17th and early morning of January 18
	Strong t damage	hunderstorm wi	nds blew a l	arge flagpole	down onto S	State Hig	hway 59 2	miles sout	th of Gravette. Strong winds caused to 60 miles an hour in Siloam Sprin
ARKANSAS, Southeast									

NONE REPORTED.

ARKANSAS, Southwest

Little River County Ashdown

Thunderstorm Wind (G60) 18 0145CST 0155CST Several trees blown over.

**Miller County** 

0150CST 0200CST 1 S Kiblah to Kiblah 18 0 Thunderstorm Wind (G58)

Trees were reported to have fallen across power lines knocking out power to customers in Kiblah.

**Miller County** 

5 S Texarkana to 0200CST 0 Thunderstorm Wind (G65) Texarkana 0215CST

Several trees were blown down across Hwy 71.

#### **CALIFORNIA**, Extreme Southeast

NONE REPORTED.

CALIFORNIA, North Central

CAZ006-009 Sacramento Valley - Northern Sierra Nevada-West Slopes

2300PST 0 Winter Storm

A strong Pacific storm full of subtropical moisture left 12 to 18 inches of snow above the 7000 foot level in the Sierra Nevada. Winds in the Sierra Nevada gusted to more than 50 kt. At lower elevations, some minor flooding occurred in Solano County with valley locations reporting winds as strong as 30 kt.

Sacramento Valley - Northern Sierra Nevada-West Slopes CAZ006-009

0400PST 18 19 0 Winter Storm 0600PST

A very powerful Gulf of Alaska storm brought very cold air to the Sacramento valley, with snow reported as low as 500 feet. WSO Redding had 5.4 inches accumulate. Strong winds also accompanied the storm with gusts to 46kt as far south as Yuba County Airport with even higher gusts north of the airport. In the Sierra Nevada, winds gusted to 60kt along the ridges.

CAZ006-009 Sacramento Valley - Northern Sierra Nevada-West Slopes

0 23 24 0400PST

A storm that originated in the Gulf of Alaska rotated two fronts through northern California, eventually bringing snow levels to the 1500 foot level with large accumulations in the Sierra Nevada. The second front was much stronger with 3-foot accumulations in the mountains and winds strong enough to cause white-out conditions. Interstate 80 and other major roads where closed by

		Time Local/	Path Length	Path Width	Number Persons	of	Estimate Damag	ed e		January 1996
Location	Date	Standard	Length (Miles)	(Yards)			Property	Crops	Character of Storm	•
CALIFORNIA, North C	<u>entral</u>									
	transpor	tation officials, a	and the US F	Forest Service	e issued avala	inche wai	rnings due t	he heavy	, fast snowfall.	
CAZ006-009	Sacrament	o Valley - Nortl	hern Sierra	Nevada-Wo	est Slopes					
	26	2100PST			0	0			Winter Storm	
	27 This Pac	1800PST rific storm carrie	ed abundant	amounts of	subtropical m	oisture a	nd packed	winds of	65kt in the Sierra No	evada Snowfall ir
									ere closed during th	
									noist air riding over	
		sed a freak snov of vehicle accide						ches of s	snow. The surprise	snowfall caused a
	number	or venicle accide	ents in the ci	ty of Reddin	g and the sun	ounding	area.			
CALIFORNIA, Northea	<u>st</u>									
	NONE	DEDODTED								
CALIFORNIA, Northwo		REPORTED.								
CAZ001	Northwest	California								
	18	0600PST			0	0			High Wind (G6	1)
	Strong v	1800PST	with a Pacif	ic cold front	downed num	erous tre	es and caus	ed many	power outages. Peal	wind speeds were
		at Maple Creek							power outages. Tear	wind speeds were
<b>Del Norte County</b>	_	_		_						
1 NW Smith River to .7 NW Smith River	20	1130PST 1133PST	0.3	30	0	0	2K	0	Tornado (F0)	
.7 IVV Sintil River	A water		ore near the	mouth of the	Smith River	. About	two dozen	trees wer	e snapped off at the	20 foot level. The
	largest ti	rees were up to t	wo feet in d	iameter. A p	ortion of one	tree fell	on the porc	h of a res	idence, demolishing	the porch.
Del Norte County .3 W Crescent City to	20	1200PST	0.1	20	0	0	1K	0	Tornado (F0)	
.2 W Crescent City to		1202PST							` '	
				•		homes,	across a v	acant lot	and up the middle	of a street before
CAZ001	Northwest	ng. A wood fen	ce in the vac	ant lot was c	iamgea.					
CAZ001	20	1200PST			0	0			High Wind (G5	(0)
		1700PST								,
		vinds from a Pac at Maple Creek :					orth Coast.	Peak wi	nds included: 51 m	ph at Shelter Cove
CAZ001	Northwest	-	anu 46 mpn	at the Eurek	a IN W S Office	•				
C.12001	23	1400PST			0	0	1M		Flood	
	24	1500PST	l1.l4 D			1	h		M	
									nt. Numerous roads by, Freshwater and	
	water wi	tur considerable	damage to ti	ic road surra	cc. The sirea	ms mam	ly affected	were sacc	by, i resirwater and	Jannon Creeks.
CAZ001	Northwest	California								
	24	1900PST			0	0			Flood	
	25 Heavy r	0900PST	streams in	Mendocino (	County to rise	e over the	eir hanks	Hiohway	175 was closed in H	Ionland when Felia
	•	ooded. Highway			•				173 was closed in 1	topiana when renz
CAZ001	Northwest	California								
	27 28	1500PST 0300PST			0	0			Flood	
		and Freshwater C	Creeks flood	ed southeast	of Arcata.					
CALIFORNIA, South C	-									
	NONE	REPORTED.								
CALIFORNIA, Southea		KLI OKTED.								
CAZ019		alley/Mojave D	Desert/Deatl	ı Valley						
		1400PST		•	•	Λ	10K		High Wind	

Antelope Valley/Mojave Desert/Death Valley
16 1400PST
2300PST

16 1400PST 0 0 10K High Wind

A cold front moving through San Bernadino County produced gusty winds which caused property damage in Barstow including downed power poles, tattered signs and broken windows.

#### **CALIFORNIA**, Southwest

NONE REPORTED.

	ъ.	Time Local/	Path Length	Path Width	Numb Pers	ons	Estima Dama	age		January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	
CALIFORNIA, Upper										
	NONE	REPORTED.								
CALIFORNIA, West So										
CAZ011>013-015>017-	Southern (	California Coa	stal Valleys	Southern (	California	Intermed	liate Valley	s - Southe	rn California Mou	ntain Areas -
020>021-023	Beach To I 01	Mexican Bord 0000PST 1500PST	er Coastal A	rea - Santa (	Clarita Va 0	lley - San 0	ta Barbar	a-Mountai	ge Co. Metropolita ns And Interior Va High Wind (G8 to produce powerfu	alleys 87)
CAZ011>013-020	Gusts of lines we fires. Ir poles sn Southern C Laguna Be	f 100 mph were ore damaged or in Orange, fire apped off. In M California Coa each To Mexic	e measured at blown down spread from a Montrose, a st astal Valleys	La Canada vin many area flaming palorage barn lo  Southern (	with gusts t as, knockin m tree to a est its roof a	to 75 mph ng out pow a nearby thand some Intermed	over the C ver to some two story d businesses	ajon Pass a 200,000 re uplex while in the area vs - Southe	and Fremont Canyon esidences, and igniti e at the Mall of Ora had windows blown rn California Mou	n. Trees and powering numerous sma ange, twelve power out.
	02	0100PST 1000PST			0	0		1M	High Wind (G	50)
		many farmers							Premature fruit wa used two minor fires	
CAZ012		California Inte	ermediate Va	lleys						
	10 Gusty w	0900PST rinds in Fontana	a tipped over	a mobile hon	<b>0</b> ne parked o	0 on the sho	ulder of I-1	5 near Dun	High Wind can Canyon Road.	
CAZ013	-	California Mo			re parties o	, in the 5110		o near Dan	oun cumy on reduci	
	section of		ite the fact th						Fog the southbound lane by Patrol. Six people	
CAZ013-023	Southern (	California Mo 1000PST 0900PST	untain Areas	- Santa Bar	bara-Mou 0	intains A 0	nd Interior 10K	· Valleys	High Wind (G	73)
	the north	hern deserts an	nd in the mou Diego County	ntains. Buri	s Canyon	in the Ea	st San Berr	nardino mo	California. Higher untains logged a gu 5 miles northeast of	st to 82 mph whi
CAZ013		California Mo	untain Areas							
	22 23	1000PST 1500PST			0	0			Heavy Snow	
		e conditions as: damage and a							rs, and gusty winds. with 6000 foot Lag	
Riverside County	22	1.C20DCT			0	0			TL 14	W 1 (C(1)
15 W Twentynine Pal	ms 22	1630PST 1730PST			0	0			Thunderstorm	Willa (G01)
		erstorm produc	ed a wind gu	st to 70 mph	at the Josh	ua Tree N	ational Par	k visitor ce	nter.	
<u>CALIFORNIA, Westeri</u>	<u>1</u>									
	NONE	REPORTED.								
COLORADO, Central a										
COZ033>036-039>040	Rabbit Ear	rs & Medicine	oothills/Upp	er Laramie	And Cach	e La Pou	dre River l	Basins - So	Mosquito Range/In uthern Front Rang	
		in - Eastern B	oulder Coun	tv/Boulder A	and Vicini	tv - Denv	er Metron	olitan Are	a	

Foothills with lesser amounts along western and southern sections of the the Urban Corridor.

Some of the more impressive totals included: 16 inches at Loveland Ski Area, 14 inches at Conifer, 11 inches at Evergreen and Keystone, 10 inches at Berthoud Pass, Winter Park and Eldora. Elsewhere the snowfall generally ranged from 4 to 9 inches.

COZ035>036-038>040

Northern Front Range Foothills/Upper Laramie And Cache La Poudre River Basins - Southern Front Range Foothills/Clear Creek Basin - Eastern Larimer And Northwestern Weld Counties - Eastern Boulder County/Boulder And Vicinity - Denver

 Metropolitan Area
 03
 0700MST
 0
 3
 150K
 High Wind

Very strong chinook winds gusting to 104 mph (90 kts) blasted across the Front Range Foothills and portions of the Urban Corridor. Three people were injured in separate incidents. One man was injured when strong crosswinds toppled his moving van into oncoming traffic along highway 93, south of Boulder. Two other people received minor injuries from flying debris. At the Rocky Flats Environmental Test Facility, eleven hazardous waste storage facilities were damaged. Initial estimates indicated at

	D-4	Time Local/	Path Length	Path Width	Per	ber of sons	Dan		<b>~</b>	January 1996
ocation COLORADO, Central a	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	
COLORADO, Centrar a			to the shelte	rs. In addition	on, several	power lin	nes were do	owned leavi	ng 3,000 homes and	businesses withou
	power. I	Hundreds of ca	rs windows v	vere also blo	wn out and	l several s	igns ripped	l off buildin	gs.	
	Some of	the strongest v	wind gusts in	cluded: 90 l	kts at the	Boulder M	Iunicipal A	irport, 85 k	ts at South Boulder,	83 kts at Jefferso
						eric Rese	arch (NCA	R) southwe	st of Boulder, 79 kts	at the Rocky Flat
COZ033>034		nental Test Fac s & Medicine	•			tional Pa	rk - Sumn	nit County/	Mosquito Range/In	dian Peaks
0020007001	03 05	0800MST	Dow Runge	, 100 mg 1,10	0	0		0	Heavy Snow	diuii i cuis
		1500MST trong west to r	orthwesterly	flow over th	ne state co	mbined w	ith a series	of upper le	evel disturbances to p	produce very heav
									gh Country over a tv	* 1
									avalanche buried ar t Winter Park before	
	cleared o	•						<i>y</i>		
	The mos	t impressive sr	nowfall totals	included: 4	13 inches a	nt Kevstor	ne. 42 inch	es at Lovela	and Ski Area, 35 incl	hes at Winter Par
	34 inche	s at Arapahoe l	Basin and Bro	eckenridge, 2	29 inches a	t Copper	Mountain a	and 18 inche	es at Eldora.	
COZ035>036-039>040		'ront Range F n - Eastern Bo							outhern Front Rang	ge Foothills/Clear
	04	0800MST	Juluel Couli	ty/Doulder 2	O O	0 0	ver ivietro,	ontan Are	Heavy Snow	
	05 Heavy si	0030MST now finally be	gan falling a	cross the Fr	ont Range	Foothills	and portion	ons of the U	Jrban Corridor on th	ne 4th. Allenspar
	picked u	p 10 inches of	snow with m	ost other loca	ations repo	orting any	where fron	14 to 6 inch	es. Icy roads and blo	owing snow cause
		pileup along Iı n 8 mile back-ı			d exit. Al	but one of	of the north	ibound lane	s were closed. As a	result, the accider
COZ040		tropolitan Ar		nours.						
	10	1000MST 1600MST			0	0		0	High Wind (G5	<b>56</b> )
	_	orthwest winds						•	ortheast Colorado. A	A peak wind gust t
COZ035>036	-	(56 kts) was red Front Range F		-			•		ounty. outhern Front Rang	re Foothills/Clear
CO20337030	Creek Basi	n	оосииз/Срр	ci Laranne	And Cac		iure iuver			
	11	0300MST 0400MST			0	0		0	High Wind (G8	33)
	•	-				-	ls. Peak w	ind gusts to	o 85 mph (74 kts) ar	nd 95 mph (83 kts
COZ042>044-048		orded at Golde: <b>rn Weld Cour</b>	•		•	•	Vicinity - N	Morgan Co	unty/Fort Morgan	And Vicinity -
	Logan Cou	nty/Sterling A	-			•	•			·
	17	1200MST 1900MST			U	0		0	Winter Storm	
									inds gusting at an est along with several tr	
			_	,		U			ctic air to create da	
	temperat	ures from 45 to	55 degrees	below zero.	As a resul	t, area sch	ools were f	forced to clo	ose early.	
	Other str	ong wind gusts	s included: 7	0 kts at Haxt	un, 62 kts	at Greele	y, and 58 k	ts at New R	aymer and Sterling.	
COZ033>034			Bow Range	s/Rocky Mo					Mosquito Range/In	dian Peaks
	18 19	1800MST 1500MST			0	0	0	0	Heavy Snow	
		winter storm s com 6 to 8 inch	•	l more snow	to an alr	eady heav	y snowpac	k in the No	orthern Mountains.	Snowfall generall
COZ035>036	U			er Laramie	And Cac	ıe La Poı	ıdre River	Basins - So	outhern Front Rang	ge Foothills/Clear
	Creek Basi 20	n 1300MST			0	0		0	High Wind (C5	(8)
		1700MST							High Wind (G7	,
									evel disturbance that aph (73 kts) atop Squ	
	Idaho Sp	rings.	•	Ü	•	,	C			
COZ033>034	Rabbit Ear 24	s & Medicine 1800MST	Bow Range	s/Rocky Mo	untain Na	itional Pa 0	rk - Sumn	nit County/ 0	Mosquito Range/In Heavy Snow	dian Peaks
	25	2030MST			U				•	
		•							to 1 1/2 feet of fres inches at Loveland	
	at Winter	r Park, and 10	inches at Eld	ora and Gran	by			•		
COZ035>036-038>040									outhern Front Rang	
	Metropolita		ai iiiier And	NOTHIWESTEI	in weia C	ounties -	Eastern B	ouiuer Col	unty/Boulder And V	icinity - Denver
	25	0600MST			Δ.	0		0	Heavy Snow	

		Time Local/	Path Length	Path Width	Numbe Perso		Estim Dama	ated age		January 1996
Location	Date	Standard	(Miles)	(Yards)			Property	Crops	Character of Storm	
COLORADO, Central a			. 1 .1	E . D	E 431				G :1 4 254	4 . 0 . 1
		ow began tall from Interstat							Corridor on the 25th where.	1. 4 to 8 inches of
COZ033>034					_				Mosquito Range/In	dian Peaks
	27	1800MST			0	0		0	Heavy Snow	
	28 Another fa	0600MST	cific storm s	vstem dronn	ed 7 to 9 incl	hes of add	itional sno	owfall in th	e Northern Mountair	s
COZ035>036-039>040				•					outhern Front Rang	
	Creek Basin	- Eastern Bo							a	
	27 28	2100MST 1730MST			0	0		0	High Wind (G1	05)
	Hurricane	Force winds				_			pacific storm system	
									e other reports inclu	
		erson County	•	search (NCA	R) southwes	st of Bould	ier, /5 Kts	atop Squa	w Mountain near Ida	ino Springs and 6:
COZ033>036		•		s/Rocky Mo	untain Nati	ional Park	c - Summ	it County/	Mosquito Range/In	dian Peaks -
		ont Range F							outhern Front Rang	
	30	0800MST			0	0		0	Heavy Snow	
	31	1159MST	f a managed ma	anth in the C	olomodo III o	h Counter	haonaht		v anavy to the North	am Mayataina an
									y snow to the North ads and passes. In th	
									ches at Loveland Ski	
	-		-			lora. In th	e foothills	s, Allenspa	ark and Estes Park re	gistered 18 and 10
COLORADO, East Cen		pectively, wit	n 5 to 8 inch	es reported e	isewnere.					
COZ090>092		ty - Kit Cars	on County	- Chevenne	County					
	17	1100MST	•	•	0	0			High Wind (G5	6)
	18 High wind	0300MST ds and extrem	e cold hit the	e area around	midday and	l continue	l until ear	ly morning	. Wind chills were d	lown to 60 degree
	below zero		e cold int th	e area aroane	midday and	. commue	a unun cun	ij morning	. Willia cillis were c	lowin to oo degree
COLORADO, South Co	entral and So	outheast								
COZ070-072-074			rn El Paso (	County/Mon	ument Ridg 0		Huerfan	o River Ba	asin/Walsenburg A	nd Vicinity
	01 02	1300MST 0900MST			U	0			Heavy Snow	
							_		of snow from Colorac	
		Mexico borde iere 7 to 10 in	-			ed in the F	almer Di	vide area a	nd in the Wet mount	ains to the Spanish
COZ071>072						Northern	El Paso (	County/Mo	nument Ridge	
	03	1100MST			Õ	0			High Wind (G6	0)
	A strong r	1600MST pressure gradi	ent produced	l wind gusts t	o 60 knots i	n the extre	me weste	rn portions	of El Paso County.	
COZ060>061-065>068-				_					tains - Southern Sa	ngre De Cristo
070-072>075-077									n Custer Counties -	
	Northern El River Basin/	Paso County Walsenburg	y/Monumen And Vicini	it Kidge - Pu tv - Unner P	eblo And E urgatoire R	astern Fr River Basii	emont Co n/Trinida	ounties/Puo d And Vic	eblo And Vicinity - inity - Eastern Las	Upper Huertano Animas County
	17	0100MST	ina viemi	су оррег 1	0	0	,	u mu vic	Winter Storm	Timinus County
	A notent v	2200MST	hrought heav	vy snow and	strong wind	s to south	central a	nd southeas	st Colorado. Snow a	mounts were from
			-	•	-				Mountains collected	
					iountains. 1			_	11 / / 37 37	
			*			_	tended fro	om near Pu	edio to the New Me	xico border during
CO7070, 091	the late aft	ternoon and e	vening.	es, and near	blizzard con	ditions ex				`
COZ070>081	the late aft Wet Mounta	ternoon and e	vening. rn El Paso (	es, and near County/Colo	blizzard con rado Spring	ditions ex	cinity - N	orthern E	l Paso County/Mon	ument Ridge -
COZ070>081	the late aft Wet Mounta Pueblo And Purgatoire F	ternoon and e ains - Southe Eastern Frei River Basin/I	vening. rn El Paso ( mont Count rinidad An	es, and near County/Colo ies/Pueblo A d Vicinity -	blizzard con rado Spring .nd Vicinity Crowley Ar	ditions ex  gs And Vi  - Upper I  nd Otero (	cinity - N Huerfand Counties/	orthern E River Bas La Junta A	l Paso County/Mon sin/Walsenburg And And Vicinity - Easte	ument Ridge - l Vicinity - Uppe rn Las Animas
COZ070>081	the late aft Wet Mounta Pueblo And Purgatoire F County - Kid	ternoon and e ains - Souther Eastern Frei River Basin/I owa County	vening. rn El Paso ( mont Count Frinidad An - Bent Cour	es, and near County/Colo ies/Pueblo A d Vicinity -	blizzard con rado Spring .nd Vicinity Crowley Ar	ditions ex  gs And Vi  - Upper I  nd Otero (	cinity - N Huerfand Counties/	orthern E River Bas La Junta A	l Paso County/Mon sin/Walsenburg And	ument Ridge - l Vicinity - Uppe rn Las Animas
COZ070>081	the late aft Wet Mounta Pueblo And Purgatoire F	ternoon and e ains - Souther Eastern Frei River Basin/I owa County	vening. rn El Paso ( mont Count Frinidad An - Bent Cour	es, and near County/Colo ies/Pueblo A d Vicinity -	blizzard con rado Spring .nd Vicinity Crowley Ar	ditions ex  gs And Vi  - Upper I  nd Otero (	cinity - N Huerfand Counties/	orthern E River Bas La Junta A	l Paso County/Mon sin/Walsenburg And And Vicinity - Easte ar And Vicinity - B	ument Ridge - d Vicinity - Uppe rn Las Animas aca
COZ070>081	the late aft Wet Mounta Pueblo And Purgatoire F County - Kic County/Spri 17 18	ternoon and e ains - Souther Eastern Fren River Basin/Towa County ingfield And 1900MST 0800MST	vening. rn El Paso ( mont Count l'rinidad An - Bent Cour Vicinity	es, and near County/Colo ies/Pueblo A d Vicinity - ity/Las Anin	blizzard con rado Spring .nd Vicinity Crowley Ar nas And Vic	gs And Vi y - Upper l nd Otero ( cinity - Pr	cinity - N Huerfano Counties/ owers Co	orthern E River Bas La Junta A unty/Lam	l Paso County/Mon sin/Walsenburg And And Vicinity - Easte ar And Vicinity - Ba Extreme Windo	ument Ridge - 1 Vicinity - Uppe rn Las Animas aca
COZ070>081	the late aff Wet Mounta Pueblo And Purgatoire F County - Kic County/Spri 17 18 Behind a	ternoon and e ains - Souther Eastern Free River Basin/I owa County ingfield And 1900MST 0800MST potent winter	vening. rn El Paso ( mont Count rinidad An - Bent Cour Vicinity  storm, stror	es, and near County/Colo ies/Pueblo A d Vicinity - nty/Las Anin	rado Spring nd Vicinity Crowley Ar nas And Vic	gs And Vi - Upper l nd Otero ( cinity - Pr 0 emperature	cinity - N Huerfand Counties/ owers Co	orthern E River Bas La Junta A unty/Lam	I Paso County/Monsin/Walsenburg And And Vicinity - Easte ar And Vicinity - Bar Extreme Windouce dangerously low	ument Ridge - 1 Vicinity - Uppe rn Las Animas aca
COZ070>081  COZ060>061	the late aff Wet Mounta Pueblo And Purgatoire F County - Kic County/Spri 17 18 Behind a	ternoon and e ains - Souther Eastern Free River Basin/I owa County ingfield And 1900MST 0800MST potent winter degree range	vening. rn El Paso ( mont Count l'rinidad An - Bent Cour Vicinity  storm, stror from Colora	es, and near County/Colo ies/Pueblo A d Vicinity - ity/Las Anin ag north wind do Springs s	blizzard con rado Spring nd Vicinity Crowley Ar nas And Vic  0  Is and low to outh to the N	gs And Vi - Upper l nd Otero ( cinity - Pr 0 emperature	cinity - N Huerfand Counties/ owers Co	orthern E River Bas La Junta A unty/Lam	l Paso County/Mon sin/Walsenburg And And Vicinity - Easte ar And Vicinity - Ba Extreme Windo	ument Ridge - 1 Vicinity - Uppe rn Las Animas aca
	the late aff Wet Mounta Pueblo And Purgatoire F County - Kic County/Spri 17 18 Behind a -30 to -50 La Garita M 22	ternoon and e ains - Souther Eastern Free River Basin/I owa County ingfield And 1900MST 0800MST potent winter degree range Iountains - E 0100MST	vening. rn El Paso ( mont Count l'rinidad An - Bent Cour Vicinity  storm, stror from Colora	es, and near County/Colo ies/Pueblo A d Vicinity - ity/Las Anin ag north wind do Springs s	blizzard con rado Spring nd Vicinity Crowley Ar nas And Vic  0  Is and low to outh to the N	gs And Vi - Upper l nd Otero ( cinity - Pr 0 emperature	cinity - N Huerfand Counties/ owers Co	orthern E River Bas La Junta A unty/Lam	I Paso County/Monsin/Walsenburg And And Vicinity - Easte ar And Vicinity - Bar Extreme Windouce dangerously low	ument Ridge - 1 Vicinity - Uppe rn Las Animas aca
	the late aff Wet Mounta Pueblo And Purgatoire F County - Kie County/Spri 17 18 Behind a p -30 to -50 La Garita M 22 23	ternoon and e ains - Souther Eastern Free River Basin/I owa County ingfield And 1900MST 0800MST potent winter degree range Iountains - E 0100MST 0200MST	vening. rn El Paso ( mont Count rinidad An - Bent Cour Vicinity  storm, stror from Colora astern San	es, and near County/Colo ies/Pueblo A d Vicinity - ity/Las Anin ag north wind do Springs s Juan Mount	blizzard con rado Spring nd Vicinity Crowley Ar nas And Vic  0 ds and low to bouth to the N ains 0	gs And Vi - Upper I nd Otero ( cinity - Pr  0 emperatur New Mexic	cinity - N Huerfand Counties/ owers Co es combir co border	orthern E River Bas La Junta A unty/Lam and to prod and east to	I Paso County/Monsin/Walsenburg And And Vicinity - Easte ar And Vicinity - Barteme Windouce dangerously low the Kansas border.  Heavy Snow	d Vicinity - Uppern Las Animas aca hill wind chills in the
	the late aff Wet Mounta Pueblo And Purgatoire F County - Kie County/Spri 17 18 Behind a p -30 to -50 La Garita M 22 23 A moist w	ternoon and e ains - Souther Eastern Free River Basin/I owa County ingfield And 1900MST 0800MST potent winter degree range Iountains - E 0100MST 0200MST	vening. rn El Paso ( mont Count rinidad An - Bent Cour Vicinity  storm, stror from Colora astern San	es, and near County/Colo ies/Pueblo A d Vicinity - ity/Las Anin ag north wind do Springs s Juan Mount	blizzard con rado Spring nd Vicinity Crowley Ar nas And Vic  0 ds and low to bouth to the N ains 0	gs And Vi - Upper I nd Otero ( cinity - Pr  0 emperatur New Mexic	cinity - N Huerfand Counties/ owers Co es combir co border	orthern E River Bas La Junta A unty/Lam and to prod and east to	I Paso County/Monsin/Walsenburg And And Vicinity - Easte ar And Vicinity - B.  Extreme Windouce dangerously low the Kansas border.	ument Ridge - I Vicinity - Uppe rn Las Animas aca hill wind chills in the
	the late aff Wet Mounta Pueblo And Purgatoire F County - Kie County/Spri 17 18 Behind a p -30 to -50 La Garita M 22 23 A moist w southwest Teller Count	ternoon and e ains - Souther Eastern Free River Basin/I owa County ingfield And 1900MST 0800MST potent winter degree range Iountains - E 0100MST vest-southwes Colorado. ty/Rampart I	vening. rn El Paso ( mont Count rinidad An - Bent Cour Vicinity  storm, stror from Colora astern San  terly airflow Range/Pikes	es, and near  County/Colo ies/Pueblo A d Vicinity - ity/Las Anin ag north wind do Springs s Juan Mount brought stro	rado Spring nd Vicinity Crowley Ar nas And Vic  0  Is and low to bouth to the N ains  0  ong winds an	gs And Vi y - Upper I nd Otero ( cinity - Pr 0 emperature New Mexico 0 and 6 to 12	cinity - N Huerfand Counties/ owers Co es combir to border inches of	forthern E River Bas La Junta A Junty/Lam and to prod and east to snow to th	I Paso County/Monsin/Walsenburg And And Vicinity - Easte ar And Vicinity - Barteme Windouce dangerously low the Kansas border.  Heavy Snow	ument Ridge - I Vicinity - Uppe rn Las Animas aca hill wind chills in the
COZ060>061	the late aff Wet Mounta Pueblo And Purgatoire F County - Kic County/Spri 17 18 Behind a p -30 to -50 La Garita M 22 23 A moist w southwest	ternoon and e ains - Souther Eastern Free River Basin/I owa County ingfield And 1900MST 0800MST potent winter degree range Iountains - E 0100MST vest-southwes Colorado. ty/Rampart I	vening. rn El Paso ( mont Count rinidad An - Bent Cour Vicinity  storm, stror from Colora astern San  terly airflow Range/Pikes	es, and near  County/Colo ies/Pueblo A d Vicinity - ity/Las Anin ag north wind do Springs s Juan Mount brought stro	rado Spring nd Vicinity Crowley Ar nas And Vic  0  Is and low to bouth to the N ains  0  ong winds an	gs And Vi y - Upper I nd Otero ( cinity - Pr 0 emperature New Mexico 0 and 6 to 12	cinity - N Huerfand Counties/ owers Co es combir to border inches of	forthern E River Bas La Junta A Junty/Lam and to prod and east to snow to th	I Paso County/Monsin/Walsenburg And And Vicinity - Easte ar And Vicinity - B.  Extreme Windouce dangerously low the Kansas border.  Heavy Snow e San Juan and La G	ument Ridge - I Vicinity - Uppe rn Las Animas aca hill wind chills in the arita Mountains o hern El Paso

		Time Local/	Path Length	Path Width	Num	ber of sons	Estimated Damage	January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property Cro	ops Character of Storm
COLORADO, South C								
		g northwest flo Colorado Sprir	_	igh winds, v	vith gusts	between :	52 and 62 knots,	, to western sections of El Paso County and
COZ060>061-065>067- 070	Mountains	- Teller Coun				Vet Mour		Mountains - Southern Sangre De Cristo
	25 26 A potent	0100MST 0200MST t winter storm	brought stron	ng winds and	6 to 12 inc	thes of sn	ow in the San Jua	Winter Storm an and La Garita Mountains and 4 to 6 inches
COZ060>061	of snow	to the Sangre I <b>Mountains - F</b>	De Cristo and	Wet Mount	ains and R			
COZ000>001	27 29	0200MST 0100MST	Zastei II Saii (	Juan Mount	0	0		Heavy Snow
		nged period of thes of snow, a			outhwest a	irflow oc	curred over the S	an Juan and La Garita Mountains, dumping 5
COZ065>068-070>081	Western F Vicinity - N Huerfano I Counties/L	remont And N Northern El Pa River Basin/W	Northern Cua aso County/Nalsenburg A Vicinity - Ea	ster Countie Monument I And Vicinity Istern Las A	s - Wet M Ridge - Pu - Upper F nimas Co	ountains eblo And urgatoir inty - Ki	- Southern El P l Eastern Fremo e River Basin/Tr owa County - Be	eller County/Rampart Range/Pikes Peak - Paso County/Colorado Springs And ont Counties/Pueblo And Vicinity - Upper rinidad And Vicinity - Crowley And Otero ent County/Las Animas And Vicinity -
	27 28	2200MST 1700MST		,	0	0		High Wind (G68)
					_	_	-	are De Cristo and Wet Mountains and to the to near 50 knots in the southeast plains.
COZ060>061	La Garita	Mountains - F 0200MST 2359MST	Eastern San	Juan Mount	ains 0	0		Heavy Snow
	-	g and moist airl		_			heavy snow to the as of southwest Co	e San Juan and La Garita Mountains. As the olorado.
COLORADO, West COZ004>005-009>010- 012-017>019	Grand And	d Battlement I Iountains/Tay	Mesas - Gore	e Ând Elk M	lountains/	Central I	Mountain Valley	r Basin/Steamboat Springs And Vicinity - s/Aspen And Vicinity - West Elk And Mountains - Southwestern San Juan
	02 05	1200MST 1500MST	. J. 37-11 46 to	-l Ct	0	0	har Darray Cons	Heavy Snow
	Cooper	ski area 19 incl	hes, Monarch	Pass 13 inch	nes, Creste	d Butte 1	1 inches, and the	k 38 inches, Arrowhead ski resort 30 inches, Grand Mesa with 11 inches.
COZ010-012-017>019- 021>022	Uncompah		Northwester	n San Juan	Mountain	s - South	western San Jua	k And Sawatch Mountains/Taylor Park - an Mountains - Four Corners/Upper
	17 18	0000MST 0600MST	-		0	0	•	Winter Storm
	Mesa wi Butte. T hazardou	ith 36 inches, 2 The weight of us driving cond	29 inches at the snow dov litions. Num	Telluride, 15 wned some p erous accider	inches at ower lines ats were re	Ouray, 8 in Durar ported.	inches at Duran ngo. Blowing an	untains. Specific reports included the Grand go and Dove Creek, and 6 inches at Crested d drifting snow in the mountains resulted in
COZ004>005-009>010- 012-017>019	Grand And	d Battlement I Iountains/Tay	Mesas - Goro	e And Elk M	[ountains/	Central I	Mountain Valley	r Basin/Steamboat Springs And Vicinity - zs/Aspen And Vicinity - West Elk And Mountains - Southwestern San Juan
	22 23	1200MST 0300MST			0	0		Winter Storm
	Snowfal	l totals include nches, Snowm					-	geway 12 inches, Marble 10 inches, Monarch ffting snow in the mountains with numerous
		_		_				

COZ002-004>005-Central Yampa River Basin/Craig-Hayden And Vicinity - Elkhead And Park Mountains/Flat Tops/White River Plateau -Upper Yampa River Basin/Steamboat Springs And Vicinity - Central Colorado River Basin/Eagle And Vicinity - Grand And Battlement Mesas - Gore And Elk Mountains/Central Mountain Valleys/Aspen And Vicinity - West Elk And Sawatch Mountains/Taylor Park

008>010-012

1800MST 1800MST Winter Storm 24 25

Snowfall totals included: 24 inches on Rabbit Ears Pass, 16 inches at Steamboat Springs, 15 inches at Craig, 15 inches at Hayden, 14 inches on the Grand Mesa, 13 inches at Marble, and 5 inches at Eagle. Blowing and drifting snow in the mountains added to the driving hazard. There were many accidents.

	Storm	Data a	nd Unusı	ual Wea	ther F	Phenom	iena
Location	Date	Time Local/ Standard	Path Path Length Width (Miles) (Yards)	Number o Persons Killed Inj		Estimated Damage rty Crops	January 1996 Character of Storm
COLORADO, West							
COZ002-004>005- 009>010-012-017>019	Upper Yan Mountains, Plateau - N 30 31 Snowfall Pass 19 i	npa River Basin Central Mount forthwestern Sa 0000MST 2359MST totals included: nches, Beaver C	/Steamboat Springs ain Valleys/Aspen A In Juan Mountains - Steamboat Springs 2 Preek 18 inches, Gran	And Vicinity - 0 and Vicinity - W Southwestern S 0 26 inches, Creste d Mesa 16 inches	Grand And I est Elk And ian Juan Mo 0 d Butte 25 in s, Hayden 14	Battlement Mesa Sawatch Mounts Jountains Joches, Yule Creek Joches, Telluride	winter Storm  24 inches, Vail 23 inches, Monarcl 12 inches, Eagle 12 inches, Craig 12
			0 inches. Brisk win	ds resulted in bl	owing and di	rifting snow in th	e mountains. There were numerous
	traffic ac	cidents.					
CONNECTICUT, Nor	<u>theast</u>						
CTZ002>004	02 03 A strong southeas some lig 14.0 incl inches.	t of Cape Cod.  ht snow that fell hes; Vernon and The heaviest sn	vstem moved from To This system produced late on the 3rd into t Union, 10.8 inches;	heavy snow with he early morning E. Granby, 9.5 orly morning hou	n totals in the of the 4th in inches; Avoi	e range of 7 to 14 cluded: Bradley I n, 8.5 inches; Ma	Heavy Snow  ast off the New Jersey coast, passing inches. Storm totals, which included international Airport, Windsor Locks insfield, 7.3 inches; and Putnam, 6.3 a difficult morning commute. Mos
CTZ002>004	Hartford - 07	Tolland - Wind 1600EST	ham	0	0		Heavy Snow
	close to England However and north inches. Windhar	40 degrees Nort in the past 20 yr, by National Wheast portions of New Britain had in County, 22.5 i	h and 70 degrees We years and was named leather Service definition that the state ranged from 18 inches and Wether	est. This storm value is the "Blizzard of tion, no actual ben 15 to 23 incher ersfield, 15.3 inches storm disrupted	was one of the of '96" from lizzard condings. In Hartfor hes. In Tolla	ne most significant the Middle Atlantions occurred in d County, Bradle and County, there on systems and cl	ng the coast of the Carolinas and then the winter storms to hit southern New England the state. Snowfall across the north y International Airport recorded 18.3 was 22.5 inches in Mansfield and in osed schools and businesses. A barrock
CTZ002>004		Tolland - Wind 1400EST 1830EST	•	0	0		High Wind (G50)
Hartford County Hartford	19	1800EST 2100EST		0	0		Flash Flood
CTZ002	Hartford	2200EST		0	0		Flood

0 20 24 Flood 2300EST 1300EST

Strong south winds with gusts to 40 to 60 mph and isolated gusts to hurricane force preceded a sharp cold front, which was approaching the region from the west. Peak wind gusts to 58 mph were recorded at both Bradley International Airport in Windsor Locks and at Glastonbury. There were scattered reports of wind damage including downed trees, downed tree limbs, and scattered power outages. Part of a roof of a Hartford apartment building was damaged, displacing about 15 people. Power outages affected up to 41,000 electric customers statewide, with the most people affected in the northeast corner of the state, where 11,000 electric customers lost power. The high winds also brought a strong January thaw with temperatures rising into the 50s. This combined with rain and melting snow to cause some street flooding.

Flash flooding occurred in West Hartford and Hartford, where homes flooded and roads washed out along the upper portion of the South Branch of the Park River and also along the North Branch of the Park River in the parking lots at the University of Hartford and Hartford Community College. The South Branch crested at 10.9 feet at 6 PM on the 19th; flood stage is 10.0 feet. Flooding occurred on the North Branch of the Park River, which reached 11.8 feet at 10 PM on the 20th; flood stage is 8.0 feet. The Connecticut River crested at 17.2 feet at Hartford at 1:30 PM on the 21st; flood stage is 16.0 feet.

CTZ002>004	Hartford -	Tolland - Windham			
	27	1200EST 1800EST	0	0	High Wind (G53)
CTZ002	Hartford				
	27 29	1400EST 1700EST	0	0	Flood
CTZ002	Hartford				
	27 28	1900EST 0100EST	0	0	Flood
CTZ002	Hartford				
	28 29	0500EST 1400EST	0	0	Flood
CTZ002	Hartford				
	28 30	0700EST 0100EST	0	0	Flood

Gale force south winds with gusts to 60 mph, heavy rainfall of from 1 to 2 inches, and very mild temperatures rising into the 50s

	Oto I III	Data and	a Ollaca	a: 110c		1 110110	mona	
oastion	Date	Local/ Le	oth Path ength Width	Number of Persons		Estimated Damage	Character of Starra	January 199
ocation CONNECTICUT		Standard (N	Miles) (Yards)	Killed In	jured Pr	operty Crops	Character of Storm	
ONNECTICOT	preceded gust to 60 house wa town of 7	0 mph was reported as blown down. In '	l in East Hartford, b Windham County, t several roads. Fallin	ooth in Hartfor rees were blow ng trees and tre	d County. n down, b	In New Britain, locking several re	mph was reported in a brick facade of a s bads. Street flooding er outages throughou	ix family apartment was reported in the
	at 8:30 P 6 PM on 16 feet. River cre	M on the 28th; floo the 28th at 5.7 feet	d stage is 8.0 feet.; flood stage is 5 fe iver crested at Sime	Flooding occur et. At Hartfor sbury at 1 AM	rred along d, a crest of on the 29	the Connecticut For 20.7 feet occurrent at 13.7 feet; floor	ver in Hartford, whice River at Thompsonvi red at 10 AM on the lood stage is 12.0 fe	lle, which crested 29th; flood stage
CONNECTICUT								
CTZ001	Litchfield 02 03	2000EST 2000EST		0	0		Heavy Snow	
	A major	winter storm develo	•		-		theast along the east all ranging from 10 t	
CTZ001	Litchfield 07	1400EST		0	0	80K	Heavy Snow	
	on Mond power ou	lay January 8th and stages and several re	into Nova Scotia	by the 9th. He	eavy snow	fell across Litch	em moved northeast field County Connec nches in New Hartfo	cticut causing man
CTZ001	Harwinto Litchfield							
	12 13 A winter	1200EST 0300EST storm formed off th	ne coast of North C	0 arolina on Janu	0 arv 12th a	nd moved norther	Heavy Snow ast along the coast th	rough January 13t
		ow fell across Litch			•		-	rough vulluary 150
CTZ001	Litchfield 19	0800EST	•	0	0	10K	High Wind	
	across Li of downe	•	nnecticut. This sto		-		January 19th production flow which resulted	
CTZ001	Litchfield 19	1845EST		0	0	300K	Flood	
	unseason addition numerou River. Id	ably warm temperate to the rapid snowms reports of flooding	tures, high dewpoin nelt one to three ind g across Litchfield C curred at Cornwall	its and strong vectors of rain fectors. County including the Hou	vinds. Thi Il as the syng many s satonic Ri	s resulted in rapid ystem moved nor mall streams, the ver and a mudslice	Friday morning Jan melting of one to the theast along the coar Housatonic River and de damaged a house age.	ree feet of snow. I st. This resulted i d the East Aspetuc
CTZ001	Litchfield 24	1800EST		0	0	50K	Flood	
	<b>25</b> A low pr already g	1100EST ressure system whice	on. This created me	e northern Gre ore runoff which	at Lakes o	on the 24th of Jan	uary produced additi ear New Milford cau	
CTZ001	Litchfield 27	0700EST		0	0	20K	High Wind	
	Lakes by		tem produced dama	aging winds ac	ross Litch	field County Con	nd tracked northeast necticut from Saturda this area.	
CTZ001	Litchfield 27	1545EST		0	0	200K	Flood	
	30 A low pr Connecti	1800EST ressure system over	of rainfall on alread	Lakes produce y saturated soi	d a genera l brought	al rainfall of one	to two inches acros	
CONNECTICUT								
CTZ005	Northern F	airfield 0400EST		0	0		Heavy Snow	
CTZ006	Northern N	lew Haven						

0

**Heavy Snow** 

CTZ006

Northern New Haven

03

0400EST

		Time	Path	Path	Number of		Estimated	January 1996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed Inj	jured	Damage Property Crops	Character of Storm
CONNECTICUT, South	<u>hern</u>							_
CTZ007	Northern M 03	liddlesex 0400EST			0	0		Heavy Snow
CTZ008	Northern N				U	U		Heavy Show
	03	0400EST			0	. 0		Heavy Snow
CT7005		•	moved northe	ast across th	ne area and pro	duced s	some heavy snow. Sn	nowfall ranged from 6 to 8 inches.
CTZ005	Northern Fa	1600EST			0	0		Blizzard
CITITADA C	08	1500EST						
CTZ006	Northern N 07	ew Haven 1600EST			0	0		Blizzard
	08	1500EST			v	v		Dilzzard
CTZ007	Northern M 07	liddlesex 1600EST			0	0		Diagond
	08	1500EST			U	U		Blizzard
CTZ008	Northern N							
	07 08	1600EST 1500EST			0	0		Blizzard
CTZ009	Southern Fa	airfield						
	07 08	1600EST 1500EST			0	0		Blizzard
CTZ010	Southern N							
	07	1600EST			0	0		Blizzard
CTZ011	08 Southern M	1500EST iddlesex						
012011	07	1600EST			0	0		Blizzard
CTZ012	08 Southern N	1500EST						
C12012	07	1600EST			0	0		Blizzard
	08	1500EST	nortion move	l northoast s	aross the regio	n Eve	romaly hoovy enous o	accompanied this storm. Snowfall totals
								ccompanied this storm. Snowfall totals combined with strong winds to create
	blizzard o	conditions for	several hours	. All forms	of transportati	ion wer	re crippled. All area	airports were closed, some for a couple
	•			•				t for area businesses that had to close.
			-	-			rea during the next se BLIZZARD OF '96.	veral days as numerous roofs collapsed
Fairfield County		,	•					
Southern Fairfield	12	1900EST 2100EST			0	0		Urban/Sml Stream Fld
Middlesex County		2100151						
Southern Middlesex	12	1900EST			0	0		Urban/Sml Stream Fld
New Haven County		2100EST						
Southern New Haven	12	1900EST			0	0		Urban/Sml Stream Fld
New London County		2100EST						
Southern New London	n 12	1900EST			0	0		Urban/Sml Stream Fld
	A low pr	2100EST	over Virginia	during the	morning mou	ad aara	os Coutharn Navy En	aland during the evening. The form of
		•	_	_	_			gland during the evening. The form of melting snowpack from the blizzard a
					ooding problen	•	•	
CTZ005>012						sex - No	orthern New Londor	- Southern Fairfield - Southern
	New Haven	- Southern N 0900EST	iluulesex - So	oumern Ne	w London O	0		High Wind
		1400EST						•
CTZ012	Southern N	ew London 0900EST			0	0		High Wind
		1400EST						
	_	•			MPH produced ied as winds co			across the region. Most of the damage
CTZ005>011		-		-		•		- Southern Fairfield - Southern
	New Haven	- Southern M						
	19 20	1400EST 1400EST			0	0		Flood
CTZ012	Southern N							
	19	1400EST			0	0		Flood
	20 Strong so	1400EST outherly winds	s ushered ver	y mild and	moisture lader	n air int	to the region. Street	and poor drainage flooding became a
	major pro	blem early or	due to the ra	ins and sign	ificant snowm	elt. Riv	ver and stream flooding	ng occurred later in the afternoon of the
	19th and	continued wel	l into the next	day. Sever	al roofs collap	sed dur	ring the next few days	in response to an extremely heavy load

		Time Local/	Path Length	Path Width	Numb Pers	per of	Estim Dam	ated	Jan	uary 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	
CONNECTICUT, South						·		·		
		brought on by s the DELUGE		lizzard and tl	he heavy ra	ains. Flo	oding was	so widesp	read and severe that this e	vent became
Fairfield County Countywide	19	1507EST			0	1			Thunderstorm Wind	(G53)
<b>New London County</b>										
Countywide	19	1715EST			. 0	0			Thunderstorm Wind	
		f thunderstorm by a tree limb tl				d winds th	nat downed	numerous	s trees and power lines. A	motorist was
CTZ005>011		•				dlocov N	Ionthorn N	ow I ondo	on - Southern Fairfield - So	autham
C1Z005>011		rairfieid - Nor 1 - Southern M		naven - Nori	mern Mid	uiesex - iv	ormern N	ew Londo	ni - Southern Fairneid - So	oumern
	27	0800EST			0	0			High Wind	
		1900EST							Ü	
CTZ012		New London			0	0			TT* 1 XX/* 1	
	27	0800EST 1900EST			0	0			High Wind	
	A strong	southerly win	d, at times in	excess of 50	MPH, cau	sed nume	rous trees a	nd power	lines to fall.	
<b>Fairfield County</b>										
Southern Fairfield	27	1300EST			0	0			Urban/Sml Stream F	ld
Middlesov County	28	0000EST								
Middlesex County Southern Middlesex	27	1300EST			0	0			Urban/Sml Stream F	ld
Southern Middlesex	28	0000EST			v	v			Orban/Sim Stream F	ıu
<b>New Haven County</b>										
Southern New Haven	27	1300EST			0	0			Urban/Sml Stream F	ld
	28 Heavy ra	0000EST	) inches caus	ed extensive	and severe	flooding	of roads no	or drainac	ge areas, and small streams.	
CTZ006	Northern N		z menes caus	ica catchisive	and severe	Hooding	or roads, po	or dramag	c areas, and sman streams.	
C12000	27	1300EST			0	0			Flood	
	28	0000EST								
						Pomeraug	River near	r Southbui	ry. Numerous roads becam	e impassable
DEL AWADE	and some	e evacuations of	occurred alor	ig Floodridge	Road.					
	Vont Inla	nd Guagary D	olowone Dec	.oh.aa						
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DEZ003>004			e Beacnes		n	0	2М		Freeign/Cetl Flood	
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The Blizzard of '96, the second coined "STORM OF THE CENTURY" of this decade, brought record breaking snow to the northern half of Delaware and paralyzed the state for a couple of days and caused most municipalities to exceed their annual snow budgets during this one storm. Its high winds caused 5,000 homes to lose power, suspended operations on the Cape May-Lewes Ferry for five days, caused directly or indirectly 10 deaths and numerous injuries and produced moderate flooding with moderate to severe beach erosion along the shore. All the deaths were caused by persons shoveling, using snow blowers or trying to walk through the snow.

The number of deaths and injuries was reduced by the storm starting before dawn on Sunday with blizzard conditions in full force in northern areas during the afternoon. The storm formed in the Gulf of Mexico on the morning of the 6th, moved south of Alabama the evening of the 6th, reached Savannah Georgia the morning of the 7th, Cape Hatteras the evening of the 7th, moved just to the west of the Delaware Bay Buoy the morning of the 8th before reaching the Southern New England Coastal Waters the evening of the 8th. This was a classic track for a Nor'easter. Precipitation was mainly snow in New Castle County; fell as snow and sleet through sunset on the 7th, then some freezing rain the night of the 7th before changing back to snow before ending on the 8th in Kent County; it started as snow, but changed to sleet and freezing rain and then rain for a while Sunday evening (7th) before ending as snow the morning of the 8th in Sussex County. Snow began falling around Midnight in Sussex County and spread through the rest of the state during the predawn hours on the 7th and became heavy at times by sunrise. Blizzard conditions developed during the afternoon and evening in New Castle County as strong northeast winds developed around the intensifying low. Precipitation was lighter after midnight on the 8th, before some wraparound snow returned during the daylight hours.

A state of emergency was declared by Governor Carper on the 7th, was replaced by a limited state of emergency the morning of the 9th and was not lifted completely until the evening of the 10th. The state was also declared a disaster area with storm related costs topping 4 million dollars, \$725,000 within Wilmington. This damage estimate did not include the amount of sand lost by erosion. Some colleges started opening on Wednesday the 10th with some elementary schools opening on the 11th. The National Guard helped with snow removal and four wheel drive vehicles were used to transport medical personnel and patients to and from

		Time Local/	Path Length	Path Width		ber of sons	Estima Dama			January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	

#### DELAWARE

hospitals. The high winds and powdery snow made it very difficult for road crews to keep roadways open. Drifts reached around 6 feet. The weight of the snow caused several building collapses, one of the worst was the roof collapse of the Talleyville Shopping Center on the 10th.

Snowfall accumulations averaged 18 to 24 inches in New Castle County, 12 to 20 inches in Kent County and 6 to 16 inches in Sussex County with the highest amounts well inland. The 22.7 inches of snow that fell at the New Castle County Airport set a new 24 hour snowfall and all-time single storm snow record. Other accumulations from around the state included 24 inches in Odessa and Prices Corner, 22 inches in Middletown and Newark, 20 inches in Pennyhill and Smyrna, 18 inches in Newark and Harrington, 11.5 inches in Georgetown, 10 inches in Lewes and Bridgeville and 8 inches in Dewey Beach.

In addition to the heavy snow, wind gusts reached hurricane force along the coast during the evening of the 7th. An 84 mph gust was recorded at the Pilot Tower at Cape Henlopen and wind gusts reached 60 mph in Bethany Beach. The strong winds helped topple power lines in Sussex County and the freezing rain caused some power outages in Kent County. The Delaware Electric Cooperative reported about 5,000 homes without power mainly between 7 pm and midnight on the 7th. The wind was strong enough to overturn a tractor trailer in Sussex County.

While accumulations were lighter along the shore, the strong northeast flow around the low produced moderate tidal flooding around the high tide the evening of the 7th. Tides were three to four feet above normal. Luckily this did not coincide with spring tides or the higher of the two high tides for the day. Dunes were breached in Dewey Beach, South Bethany Beach and along "the curve" just north of Fenwick Island. In Dewey Beach there was a washover onto Delaware State Route 1. Debris clogged the roadway. Flooding from both the ocean and Assawoman Bay closed both Delaware State Routes 1 and 54. Tidal flooding from Assawoman Bay flooded side streets on Fenwick Island and South Bethany Beach. Two feet of water was reported along side streets in Bethany Beach. Northwest winds Monday morning prevented tidal flooding from getting worse.

The worst problem was the severe beach erosion, especially on the ocean side of Sussex County. In Dewey Beach, 75 percent of a \$3 million dollar beach replenishment project was washed away. In South Bethany the erosion rivaled the January 1992 storm. In Bethany Beach a \$23,000 plastic mesh fence was ruined. Seven staircases and two wave bulkheads were damaged. The sea wall in Rehobeth Beach was damaged and a set of stairs were washed away.

The state was declared a disaster area on the 16th.

#### DEZ001

#### New Castle

12 0600EST 0 0 Heavy Snow 1500EST

For the second time within a week heavy snow moved into Northern Delaware. Fortunately this second storm was weaker than its predecessor. The storm moved from the Lower Tennessee Valley on the evening of the 11th, to eastern North Carolina the morning of the 12th and passed just to the east of New Jersey during the late afternoon of the 12th into Southern New England on the 13th. Less cold air was in place than with the blizzard and although precipitation started as snow during the early morning of the 12th, it changed to rain by the afternoon. Accumulations averaged three to four inches in New Castle County, around 2 inches in Kent County and 2 inches or less in Sussex County. The weight of the snow from the two recent storms caused a 35 foot section of a roof to collapse at the Border's Book Store near the Christina Mall.

#### DEZ001>002

#### New Castle - Kent

19 0800EST 0 0 High Wind (G52) 1400EST

Strong southerly winds preceding and westerly winds accompanying a cold front brought down large tree limbs and power lines in Kent and New Castle Counties. A peak wind gust of 60 mph was recorded in Harrington.

New Castle County Northern

#### 19 0900EST 0 0 Flash Flood 1900EST

The combination of snowmelt from the previous week's two snowstorms, the unseasonably warm temperatures and one to two inches of additional rain all combined to produce flash flooding of roads and streams in the northern half of the county. The Christina River reached flood stage at 9 a.m. on the 19th. After a squall line moved through the region around noon, a steady stream of cars stuck in high water began. One of the more dramatic rescues occurred at 4 p.m. when a Hickory Hill woman and her two children were rescued near the flooded Red Clay Creek near the NVF plant. Numerous roads were closed including Delaware State Route 82 and Delaware State Route 273 in Christina. Ice jams compounded the flooding along the Brandywine Creek. Thirteen Wilmington persons were made temporarily homeless by the flooding.

#### DEZ001

#### New Castle

19 1900EST 0 0 Floo 20 1200EST

While the small stream and roadway flooding subsided during the early evening of the 19th, the major rivers and streams remained above flood stage throughout the night. The Christina River at Cooch's Bridge crested at 11.8 feet at 6 p.m. on the 19th. Flood stage is 9 feet. It was back within its banks around 3 a.m. on the 20th. The White Clay Creek at Delaware Park in Newark reached its flood stage of 13 feet around 11 a.m. on the 19th, crested at 15.9 feet at 11 p.m. on the 19th and was back within its banks at noon on the 20th. The Brandywine Creek in Wilmington crested at 12.72 feet at 4 a.m. on the 20th. Flood stage is 11 feet. The Red Clay Creek at Woodale crested at 8.98 feet at 7 p.m. on the 19th. Flood stage is 5.5 feet.

	·	Time Local/	Path Length	Path Width		ber of sons	Estim Dam		_	January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	
<b>DELAWARE</b>										
DEZ003	Inland Sus	ssex								
	24	1805EST			0	0			High Wind	

fence in Georgetown. **DEZ001-004** New Castle - Delaware Beaches

27 1200EST 0 0 High Wind 1600EST

High winds preceding a cold front downed trees and power lines along State Highway 141 in New Castle County. Wind gusts also reached 65 mph at the Pilot Tower in Cape Henlopen.

A strong cold front was accompanied by damaging wind gusts and blew over several fences and mail boxes and ripped off one

#### DISTRICT OF COLUMBIA

DCZ001 District Of Columbia

07 0300EST 0 0 Blizzard

An historic winter storm, known as the "Blizzard of '96", crippled the Greater Washington, DC metropolitan region during the first full weekend of January. In general, snow totals ranged from 17.1 inches at Washington/National airport (DCA) to 21 inches in Northwest Washington. Gusty winds produced drifts to 5 feet in some places. The storm produced the largest storm total since the "Megalopolitan Storm" of February 11th, 1983. Numerous 24-hour accumulation records were shattered at airports from southwest Virginia through New England. For the city as a whole, the storm ranked 4th all-time; for modern records (taken at DCA), the storm ranked 2nd, with only the "Presidents Day" storm of February 18th-19th, 1979, dumping more (18.7 inches).

The storm was induced by a digging upper level trough over the eastern Great Plains. At the surface, an inverted trough extended from the Gulf of Mexico through the Deep South. Surface pressures began falling as the upper trough approached on the afternoon of the 7th. Meanwhile, confluent flow, behind an upper-level arctic vortex over the Canadian Maritimes, maintained strong (1034 mb) surface high pressure over northern New York state. As the upper-level trough approached the southeast U.S. on the 8th, a new surface low developed along the Georgia coast. The low deepened explosively while the arctic high remained in place. Copious Gulf of Mexico and Atlantic moisture was entrained into the system, producing heavy snow; the increasing gradient between the intensifying low and the arctic high caused winds to strengthen to 25 mph with gusts to 35 mph.

The system moved slowly from South Carolina to the mouth of the Chesapeake Bay overnight on the 7th. The slow movement prolonged near-blizzard conditions into the 8th. The storm finally moved towards New England later on the 8th, ending the snow but maintaining gusty north winds (and substantial blowing and drifting snow) until evening.

All major highways were effectively closed through the 7th, as snow removal equipment fought a losing battle with the considerable blowing and drifting snow. However, residential areas remained unplowed for up to one week following the storm; FEMA provided funding for additional snow removal equipment to clear the streets by the weekend of the 13th/14th. Subway transit was impacted as well, as the Washington subway system was effectively shut down through Tuesday, and above-ground stations opened sporadically throughout the following work week. The combination of warming temperatures and concerted snow removal efforts opened all roads by the 17th.

All federal, state, and local governments, as well as public schools, wer closed Monday (the 8th) and Tuesday (the 9th). Road damage - especially from potholes and related pavement failures - was excessive. Estimated commercial losses to the northeastern U.S. for the week of January 7-13 were between \$7 and \$10 billion - this on top of a sluggish holiday season and federal government shutdowns.

#### DCZ001 District Of Columbia

9 1500EST 0 0 Heavy Snow 1700EST

Low- and mid-level lift ahead of an "Alberta Clipper" added insult to injury only a day after the "Blizzard of '96" ended, dumping 4 more inches of snow in a 4-hour period on the beleaguered city. The snow forced road crews to re-double their efforts on main highways, keeping most residential streets unplowed for yet another day.

#### DCZ001 District Of Columbia

12 0900EST 0 0 Heavy Snow

Less than one week after the crippling "Blizzard of '96", a new winter storm dumped substantial snow on the city. Additional snowfall totalled generally 5 to 6 inches, with lesser amounts (4 inches) along the Potomac and Anacostia Rivers. The weekly snowfall of 23.9 inches at DCA broke the all-time record at that location, and ranked it second (since official city records have been kept) behind the famous "Knickerbocker" storm of January 25-27, 1922.

The storm developed as an area of low pressure in the midwest, which became an elongated trough extending from the Tennessee Valley through southeastern North Carolina. As the upper-level trough approached the North Carolina low became dominant, intensifying slowly as it moved through the mouth of the Chesapeake Bay by midday, then off the Delaware coast, by late afternoon. Unlike the "Blizzard of '96", a lack of cold air behind the surface low, combined with the somewhat weaker and more progressive upper-level trough, kept the surface low from intensifying rapidly.

Travel was hampered yet again, and federal offices closed for a record fourth day in one week. Numerous residential streets remained unplowed, and main arteries continued to have only one of two lanes (per right-of-way) open. The storm forced the

ocation	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number Person Killed I	s	Estimate Damage Property	ed e Crops	Character of Storm	January 199
ISTRICT OF COLUM		Standard	(Mines)	(Tarus)			Troperty	Сторз	Character of Storm	
	Federal	Emergency Ma into the Potom		gency (FEMA	A) to release	funds to	help with si	now remo	oval. Some of the s	now was reported
	Several into the		orted "ice dan	ns" at the bas	e of roofs. S	ome ice o	lams caused	l gutters t	o collapse; others fo	orced water leaka
District Of Columbia										
All	19	1100EST 1300EST			0	0			Flash Flood	
	rain in a rapid sno 3 to 6 in	ually intense so two-hour perio ow melt, produc	od during the cing flash flo	e late mornin oods througho	g of the 19th out the city. I	. The ra During th	in fell on o	versatura hours, th	dumped between 0 ted soil, a result of e remaining water-l peratures and near	the previous niglogged snow pack
	to the ra clogged causing	pid snow melt. storm drains, the closure of I	. Substantial began around Beach Drive	flash flooding 1100EST a and the Rock	ng, in the for nd continued Creek Park	m of ove into the way over	rflowed cre early aftern much of its	eks and s noon. Ros route th	otomac Rivers were streams and high sta ock Creek sustained rough the city. The y Bottom and Georg	anding water due the most floodi the flash flooding a
DCZ001	District Of	'Columbia								
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Brevard County Melbourne  Brevard County Melbourne  LORIDA, Northeaster Clay County Orange Park to Camp Blndg	once the below flexible once the below flexible of the below flexible or the below flexi	stage surpasse ood stage (7 fee closure of so ge. Portions o o, were closed dence Avenue a A family of 7 d  1225EST 1230EST F-0 tornado to e and lifted as ed a large trave 2223EST e thunderstorm I.  1130EST 1145EST us reports of lar 1230EST 1300EST	dd 10 feet. Tet) by the 23rd to the 23rd to the waterfrom the George on the 22nd and Water St leer was was leer was was leer was was leer trailer.	the river crested.  ed to Georget on property for Washington and causing the reet SW, Wished through to the same through the	ted at 13.88 f frown, Foggy for several da Memorial P morning con consin Aven the streets of land O Gallie area of River Lagor O and damaged at O intes blown an	Bottom, ys, dama arkway, mmute frue and K ower Geo	and the Hai ged homes as well as r om the wes Street NW orgetown be  40K me near U.S ornado blev gn. Melbour	nes Point and busin amps to stern substitute (Georget effore make v down to the true Internal of the Internal of th	Wer Georgetown) on Washington Marin nesses, and brought the Memorial Bridgarbs to back up for own), and the Jeffer ing it to dry land.  Tornado (F0)  Ty 1. It moved east rees on top of houses the mational Airport reports.	n the 21st, dropper a area. High was heavy debris to ge and Clara Barmiles. Portions soon Memorial was northeast about es and garages  Wind (G45) orted a wind gus  Wind (G55)
Brevard County Melbourne  Brevard County Melbourne  LORIDA, Northeaster Clay County Orange Park to Camp Blndg  Clay County Middleburg to Camp Blndg	once the below flexible once the below flexible of the below flexible or the below flexi	stage surpasse ood stage (7 fee ooding in the cine closure of so ge. Portions o o, were closed dence Avenue a A family of 7 d  1225EST 1230EST F-0 tornado to e and lifted as ed a large trave  2223EST e thunderstorm i.  1130EST 1145EST us reports of lar	dd 10 feet. Tet) by the 23rd to the 23rd to the waterfrom the George on the 22nd and Water St leer was was leer was was leer was was leer trailer.	the river crested.  ed to Georget on property for Washington and causing the reet SW, Wished through to the same through the	ted at 13.88 f frown, Foggy for several da Memorial P morning con consin Aven the streets of land O Gallie area of River Lagor O and damaged at O intes blown an	Bottom, ys, dama arkway, mmute frue and K ower Geo	and the Hai ged homes as well as r om the wes Street NW orgetown be  40K ne near U.S ornado blev  1.5K entire count	nes Point and busin amps to stern substitute (Georget effore make of the control	Wer Georgetown) on Washington Marin nesses, and brought the Memorial Bridg irbs to back up for own), and the Jeffer ing it to dry land.  Tornado (F0)  By 1. It moved east rees on top of hous the mational Airport reports the mation and the m	n the 21st, dropp a area. High was heavy debris to ge and Clara Ban miles. Portion reson Memorial was northeast about es and garages  Wind (G45) orted a wind gus  Wind (G55)
Brevard County Melbourne  Brevard County Melbourne  LORIDA, Northeaster Clay County Orange Park to Camp Blndg  Clay County Middleburg to	once the below flexible forced the city's ed Parkway Independent closed.  1	stage surpasse ood stage (7 fee closure of so ge. Portions o o, were closed dence Avenue a A family of 7 d  1225EST 1230EST F-0 tornado to e and lifted as ed a large trave 2223EST e thunderstorm I.  1130EST 1145EST us reports of lar 1230EST 1300EST	dd 10 feet. Tet) by the 23rd to the 23rd to the waterfrom the George on the 22nd and Water St leer was was leer was was leer was was leer trailer.	the river crested.  ed to Georget on property for Washington and causing the reet SW, Wished through to the same through the	ted at 13.88 forcown, Foggy or several da Memorial P morning conconsin Aven the streets of lates area of River Lagoon damaged at the blown are blown as the blown are the streets of lates area of the streets of lates are as the streets of lates are a	Bottom, ys, dama arkway, mmute frue and K ower Geo	and the Hai ged homes as well as r om the wes Street NW orgetown be  40K ne near U.S ornado blev  1.5K entire count	nes Point and busin amps to stern substitute (Georget effore make of the control	Wer Georgetown) on Washington Marin nesses, and brought the Memorial Bridg irbs to back up for own), and the Jeffer ing it to dry land.  Tornado (F0)  By 1. It moved east rees on top of hous the mational Airport reports the mation and the m	n the 21st, dropp a area. High wa heavy debris to ge and Clara Bar miles. Portions sson Memorial w  northeast about es and garages  Wind (G45) orted a wind gus  Wind (G55)

1.5K

Thunderstorm Wind (G55)

St. Johns County 2 N Sampson to 8 SE Hastings

1400EST 1430EST

02

		Time Local/	Path Length	Path Width	Numb Perso		Estima Dama	ited ge		January 1996
ocation	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	
FLORIDA, Northeastern	I area tra	a limbs and no	war linas wa	ro blown dow	· •					
	Large tre	ee limbs and po	wer illies we	re blowii dow	/11.					
Flagler County										
10 NW Palm Coast to	02	1415EST			0	0	3.5K	0	Thunderstorm	Wind (G55)
12 S Bunnell	Numeroi	1430EST us reports of lar	ge tree limbs	s and power l	ines blown	down.				
		F	8	F						
LORIDA, Northwest										
	NONE I	REPORTED.								
LORIDA, Southern										
Dade County	02	ASAFECE	7	40	0	0	1 234		T 1 (F1)	
12 SW (Mia)Miami Intl to	03	0807EST 0812EST	7	40	U	9	1.2M		Tornado (F1)	
5 SW (Mia)Miami Intl										
									A bow echo develop	
									with the bow echo nado's path was inter	
									where it lifted, on the	
									ensity was rated as I	
	-								intensified to a stron	
									hout its lifetime, the e persons were inju	
									e rolled. Major dam	
									ter also sustained da	0
									Power lines were b	
	20,000 u	sers without ele	ectricity for t	up to 12 hour	S.					
Broward County	02	0040565	0.4	10	0	•	10077	0	T 1 (TO)	
7 SW (Fll)Ft Laudrdl Intl to	03	0840EST 0842EST	0.4	10	0	0	100K	0	Tornado (F0)	
6.5 SW (Fll)Ft Laudrdl										
Intl	TTI.		11 .1 .	1 1.1 151		D 1 22		1. 1	1 50 1 1	
									uced an F0 tornado i S.W. 7 Street and 6	
									ard at 6 Street. Tw	
		•							least two large trees	
	utility lir	nes were blown	down, cuttir	g service to a	about 1500	users.				
Dade County		0.44 # FEGT			0	•	1077			177 1 (050)
7 NNE (Mia)Miami Intl		0615EST st Guard report	ed a severe t	hunderstorm	0 wind oust	0 estimated	10K Lat 50 knot	s blew do	Thunderstorm own a six foot high o	
	Locka A		icu a severe i	nunderstorm	wind gust,	Cstillatec	at 50 knot	s, orew uc	own a six foot ingil c	oncrete wan at Op
FLZ077		iddle Keys								
	07	1600EST			0	1	5K		High Wind (G	35)
	08 Strong g	1200EST	did minor d	amaga ta car	aral sailbo	ate in the	middle ke	ve and a	parasailer was injur	ad whan a tow lin
		. Two men were							parasaner was mjur	ed when a tow iii
FLZ068	Coastal Pal									
	08	1100EST			0	5	20K	0	High Wind (G	
	_	•		l-foot high ci	nder block	wall at a	construction	on site at	Woodfield Country	Club. Five worker
Dodo County	were ınjı	ared, one critica	ally.							
Dade County 45 E (Mia)Miami Intl	29	1630EST			0	0			Waterspout	
io E (viiii)iviiiiiii iiiii		1640EST				v			Waterspour	
	An aircra	aft reported a w	aterspout 10	miles west o	f Bimini.					
TODIDA WAGAA										
FLORIDA, West Central										
Highlands County Lake Placid	01	1345EST			0	0	5K		Tstm Wind/Ha	. <del>:</del> 1
Lake I laciu			timated at ne	ar 45 mph da				n trimmin	ig and screen enclosi	
	Lake Jun			1	Ü	•				
	Hills are	a.								
Polk County		1545500			•	Δ	1017		m 4 **** ***	••
2 N Lake Wales to	01	1545EST			0	0	10K		Tstm Wind/Ha	nil
	01		timated at ne	ar 45 mph da				n trimmin	Tstm Wind/Ha	

		Time	Path	Path	Number		Estima	ted		January 1996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Person: Killed Ir	s njured	Dama; Property	ge Crops	Character of Storm	
FLORIDA, West Centr	<u>al</u>									
Pinellas County St. Petersburg	01	2300EST			0	0			Urban/Sml Str	eam Fld
	<b>02</b> Heavy r	0200EST ain of up to for	ır inches in l	ess than an ho	our caused sta	nding w	ater six incl	nes deen in	parts of St. Petersl	ourg.
Polk County	•	•								
Winter Haven	02	0210EST 0230EST			0	0	50K		Thunderstorm	
	homes,	two sheds and	a screen enc	losure were al	so damaged b	y thund	lerstorm wi	nds. Most	of the damage occu	en. Twelve mobile arred on North Lake d over a four block
Sumter County Lake Panasoffkee	02	1845EST			0	0	2K		Thunderstorm	Wind
Lake I aliasofikee		1955EST	,						Thunderstorm	Willia
Pasco County	Thunder	rstorm winds da	amaged a car	rport in the vi	cinity of Lake	Panaso	ffkee.			
Zephyrhills		1930EST rstorm winds e of the roof.	stimated at	45 mph caug	0 ht a large ove	<b>0</b> erhangir	3K ag eave of a	a single sto	Tstm Wind/Ha	il ted and damaged a
FLZ039-048>049	-	rnando - Pasco	)						G	
	08	0510EST 0535EST			0	0			Snow	
FLZ039-042>043- 048>049-051>052- 055>057-061>062-065		urries were rep rus - Sumter -							chlands - De Soto	· Charlotte - Lee
	09	0100EST 0900EST			0	0	8M		Damaging Fre	eze
	In Hern Electric In Hills up to si	Co-op which e borough county x hours. The e	emperatures eliminated se entry, several tro- estimated los	in the low 20 rvice to nearly opical fish farms to tropical f	0's for up to o y 8,000 homeous ms lost over 5 farms was 5.5	eight ho owners i 0 percen million	ours caused in Weeki W nt of their h	an electric achee and farvest due fuch of the	Γimber Pines for two temperatures in	the middle 20's for othern Hillsborough
FY 7050 050		•	•	and 400 acres	of cucumbers	where l	killed by up	to eight ho	ours of sub-freezing	temperatures.
FLZ050>052	Pinellas - I 31	Hillsborough - 0400EST 0800EST	Polk		0	0			Fog	
FLORIDA, West Panha		og reduced visi	bilities to as	low as 200 ya	ards for severa	ıl hours	over a broa	d area of W	est Central Florida	•
Santa Rosa County	andic.									
Pace		1320CST NING STRUC NING ALSO W						E CORNEI	<b>Lightning</b> R OF THE MOB	LE HOME. THE
Escambia County Pensacola Regional	24	1114CST 1115CST			0	0			Thunderstorm	Wind (G50)
EORGIA, East Centr	<u>al</u>									
Burke County Keysville	02	1738EST			0	0			Hail (1.75)	
Richmond County	02	15 40 DOT			0	0			, ,	
8 S Augusta Richmond County	02	1740EST			0	0			Hail (1.75)	
Augusta Airport Richmond County	02	1745EST			0	0			Hail (1.00)	
West Augusta		0822EST of severe thund tern part of Aug				0 hmond	county and	took down	Thunderstorm powerlines causing	Wind (G50) ag power outages in
Mcduffie County 5 N Mcduffie	27	0240EST reports a severe			0	<b>0</b> way 10 1	north of Mc	Duffie.	Thunderstorm	Wind (G50)
Columbia County Appling	27	0249EST			0	0			Thunderstorm	Wind (G50)

		Time Local/	Path Length	Path Width	Number Person	S	Estimated Damage		January 199
ocation	Date	Standard	(Miles)	(Yards)	Killed I	njured	Property Crops	Character of Storm	
GEORGIA, East Centra			a a aarrama tla	domotomos la	malra off lamas	tuo o 11 ma	he and took darrin no		
GEORGIA, Lower	Offility C	company report	s s severe tn	understorm b	roke on large	tree nm	bs and took down po	wernnes.	
BONGIN; BOWEL									
		REPORTED.							
GEORGIA, North and G	<u>Central</u>								
Lamar County 6 NE Barnesville	02	1545EST			0	0	0.20K	Thunderstorm V	Vind
	Thunde	rstorm winds up	prooted and	broke several	trees.				
Washington County	02	1600EST			0	0		Hail (0.75)	
Deepstep Wilkinson County	02	1000E51			U	U		Hail (0.75)	
Gordon	02	1610EST			0	0	0.50K	Hail (0.75)	
	Hail dar	maged automati	ic doors.						
Washington County Sandersville	02	1650EST			0	0		Hail (0.75)	
Glascock County	<b>02</b>	1000101			v	v		11411 (01/2)	
Mitchell	02	1650EST			0	0		Hail (0.75)	
Jefferson County 1 NE Wrens	02	1705EST			0	0	60K	Thunderstorm V	Vind
TIME WICHS			estroyed 4 n	nobile homes	and 2 RVs in	-		of Wrens on Highway	
GAZ001>009-011>016-				d - Murray -	Fannin - Gilı	mer - U	nion - Towns - Cha	ttooga - Gordon - Picl	kens - Dawson
019	-	- White - Floyd	i		0	0	1017	Winter Storm	
	06 07	1500EST 1500EST			U	0	10K	winter Storm	
		L						d across Georgia and t	
								ion in Georgia began o	
							ne neavy snow track	was generally north of	
	10 1000				ethicact and n	orth can	tral Georgia but ince	reneed to 3 to 6 inches	in Union Town
	and Rak							reased to 3 to 6 inches	
		bun counties of	northeast C	Georgia. From	7 to 12 inch	es were	reported on the grou	and in the higher eleva-	tions of northea
	Georgia	bun counties of a by mid- aftern	northeast C	Georgia. From 7th. A state	7 to 12 inches of emergency	es were was de	reported on the grou clared in Habershan	and in the higher elevan, Rabun, Stephens, an	tions of northea d White counti
	Georgia where p	bun counties of a by mid- aftern property damage	northeast C noon on the e was repor	Georgia. From 7th. A state ted. 2500 hor	7 to 12 inches of emergency nes in norther	es were was de ast Geor	reported on the ground clared in Habersham gia were without po	and in the higher eleva-	tions of northea d White counti ulating snow a
	Georgia where p falling t enough	bun counties of a by mid- aftern property damag trees knocking of to cause traffic	northeast C noon on the e was report down power problems.	Georgia. From 7th. A state ted. 2500 hor r lines. Snow	7 to 12 inches of emergency mes in norther fell in the Atl	es were was de ast Geor anta and	reported on the grou clared in Habershan gia were without po I Athens areas but ar	and in the higher eleva n, Rabun, Stephens, an ower because of accum mounted to only an incl	tions of northea d White counti- ulating snow ar h, which was st
GAZ001>009-011>016	Georgia where p falling t enough <b>Dade - W</b> a	bun counties of a by mid- aftern property damage trees knocking of to cause traffic alker - Catoosa	northeast C noon on the e was report down power problems.	Georgia. From 7th. A state ted. 2500 hor r lines. Snow	7 to 12 inches of emergency mes in norther fell in the Atl	es were was de ast Geor anta and	reported on the grou clared in Habershan gia were without po I Athens areas but ar	and in the higher eleva n, Rabun, Stephens, an ower because of accum	tions of northea d White counti- ulating snow ar h, which was st
GAZ001>009-011>016	Georgia where p falling t enough	bun counties of a by mid- aftern property damage trees knocking of to cause traffic alker - Catoosa	northeast C noon on the e was report down power problems.	Georgia. From 7th. A state ted. 2500 hor r lines. Snow	7 to 12 inches of emergency mes in norther fell in the Atl	es were was de ast Geor anta and	reported on the grou clared in Habershan gia were without po I Athens areas but ar	and in the higher elevan, Rabun, Stephens, an ower because of accummounted to only an incittooga - Gordon - Pick	tions of northea d White counti- ulating snow ar h, which was st
GAZ001>009-011>016	Georgia where p falling t enough  Dade - Wa Lumpkin - 11 12	bun counties of a by mid- aftern property damage trees knocking of to cause traffic alker - Catoosa - White 1600EST 0200EST	northeast C noon on the e was repor down power problems.	Georgia. From 7th. A state tted. 2500 hor r lines. Snow d - Murray -	7 to 12 inche of emergency mes in norther fell in the Atl  Fannin - Gili	es were was de ast Geor anta and mer - U	reported on the ground and the ground and the clared in Habershan argin were without post Athens areas but ar aron - Towns - Charles	and in the higher eleva n, Rabun, Stephens, an ower because of accum mounted to only an inci ttooga - Gordon - Pick Heavy Snow	tions of northea ad White counti- ulating snow ar h, which was st kens - Dawson
GAZ001>009-011>016	Georgia where p falling t enough  Dade - Wa  Lumpkin - 11 12 A mixtu	bun counties of a by mid- aftern property damage trees knocking of to cause traffic alker - Catoosa - White 1600EST 0200EST ure of snow and	northeast C noon on the e was report down power problems. a - Whitfield	Georgia. From 7th. A state ted. 2500 hor r lines. Snow d - Murray -	of 7 to 12 inche of emergency mes in norther fell in the Atl  Fannin - Gilu  0  raffic acciden	es were was de ast Geor anta and mer - U: 0  tts and c	reported on the group clared in Habersham gia were without pot d Athens areas but an nion - Towns - Char losed some roads in	and in the higher elevan, Rabun, Stephens, an ower because of accummounted to only an incittooga - Gordon - Pick	tions of northea ad White counti- ulating snow ar h, which was st kens - Dawson
	Georgia where p falling t enough  Dade - Wa  Lumpkin - 11 12 A mixtu	bun counties of a by mid- aftern property damage trees knocking of to cause traffic alker - Catoosa - White 1600EST 0200EST	northeast C noon on the e was report down power problems. a - Whitfield	Georgia. From 7th. A state ted. 2500 hor r lines. Snow d - Murray -	of 7 to 12 inche of emergency mes in norther fell in the Atl  Fannin - Gilu  0  raffic acciden	es were was de ast Geor anta and mer - U: 0  tts and c	reported on the group clared in Habersham gia were without pot d Athens areas but an nion - Towns - Char losed some roads in	and in the higher eleva n, Rabun, Stephens, an ower because of accum mounted to only an inci ttooga - Gordon - Pick Heavy Snow	tions of norther ad White counti- ulating snow ar h, which was st kens - Dawson
	Georgia where p falling t enough Dade - Wa Lumpkin - 11 12 A mixtu around 2	bun counties of a by mid- afternoroperty damage trees knocking of to cause traffic alker - Catoosa - White 1600EST 0200EST are of snow and 2 inches, but 6 in 1910EST	northeast C noon on the e was report down power problems. a - Whitfield It sleet cause inches were	Georgia. From 7th. A state ted. 2500 hor r lines. Snow d - Murray - ed numerous t reported in C	of 7 to 12 inche of emergency mes in norther fell in the Atl  Fannin - Gili  O  raffic acciden layton in Rabi	was de ast Georanta and cun Coun	reported on the group clared in Habersham gia were without post Athens areas but an inion - Towns - Charles some roads in tty.	and in the higher eleva n, Rabun, Stephens, an ower because of accum mounted to only an inci ttooga - Gordon - Pick Heavy Snow	tions of northead White counti- ulating snow as h, which was st kens - Dawson
Chattooga County Lyerly	Georgia where p falling t enough Dade - Wa Lumpkin - 11 12 A mixtu around 2	bun counties of a by mid- afternoroperty damage trees knocking of to cause traffic alker - Catoosa - White 1600EST 0200EST are of snow and 2 inches, but 6 in 1910EST	northeast C noon on the e was report down power problems. a - Whitfield It sleet cause inches were	Georgia. From 7th. A state ted. 2500 hor r lines. Snow d - Murray - ed numerous t reported in C	of 7 to 12 inche of emergency mes in norther fell in the Atl  Fannin - Gili  O  raffic acciden layton in Rabi	was de ast Georanta and cun Coun	reported on the group clared in Habersham gia were without pot d Athens areas but an nion - Towns - Char losed some roads in tty.	and in the higher eleva n, Rabun, Stephens, an ower because of accum mounted to only an inci- ttooga - Gordon - Pick Heavy Snow north Georgia. Amoun	tions of northead White counti- ulating snow as h, which was st kens - Dawson
Chattooga County Lyerly Gilmer County	Georgia where p falling t enough  Dade - Wa  Lumpkin - 11 12 A mixtu around 2  Thunder	bun counties of a by mid- afternoroperty damage trees knocking of to cause traffic alker - Catoosa - White 1600EST 0200EST are of snow and 2 inches, but 6 in 1910EST restorm winds defined a positive of the state o	northeast C noon on the e was report down power problems. a - Whitfield It sleet cause inches were	Georgia. From 7th. A state ted. 2500 hor r lines. Snow d - Murray - ed numerous t reported in C	of 7 to 12 inche of emergency mes in norther fell in the Atl  Fannin - Gili  O  raffic acciden layton in Rabi  O  nd a car. 25 to	was de ast Georganta and anta and cun Coun  0  0  0  0  35 tree	reported on the group clared in Habersham gia were without post Athens areas but an inion - Towns - Charles some roads in tty.  15K s were downed.	and in the higher elevan, Rabun, Stephens, an ower because of accummounted to only an incittooga - Gordon - Pick Heavy Snow north Georgia. Amoun	tions of northead White counti- ulating snow and h, which was stokens - Dawson at the were general Wind
Chattooga County	Georgia where p falling t enough  Dade - Wa  Lumpkin - 11 12 A mixtu around 2  18 Thunder	bun counties of a by mid- afternoroperty damage trees knocking of to cause traffic alker - Catoosa - White 1600EST 0200EST are of snow and 2 inches, but 6 in 1910EST	northeast C noon on the e was report down power problems.  - Whitfield  I sleet cause inches were	Georgia. From 7th. A state tted. 2500 hor r lines. Snow d - Murray - ed numerous t reported in C	of 7 to 12 inche of emergency mes in norther fell in the Atl  Fannin - Gili  O  raffic acciden layton in Rabi  O  nd a car. 25 to	es were v was de ast Geor anta anc mer - U  0  ts and c un Coun  0  35 tree	reported on the group clared in Habersham gia were without post Athens areas but an inion - Towns - Charles some roads in tty.	and in the higher eleva n, Rabun, Stephens, an ower because of accum mounted to only an inci- ttooga - Gordon - Pick Heavy Snow north Georgia. Amoun	tions of northead White counti- ulating snow and h, which was stokens - Dawson at the were general Wind
Chattooga County Lyerly Gilmer County Ellijay	Georgia where p falling t enough  Dade - Wa  Lumpkin - 11 12 A mixtu around 2  18 Thunder	bun counties of a by mid- afternoroperty damage trees knocking of to cause traffic alker - Catoosa - White 1600EST 0200EST are of snow and 2 inches, but 6 in 1910EST restorm winds de 2100EST	northeast C noon on the e was report down power problems.  - Whitfield  I sleet cause inches were	Georgia. From 7th. A state tted. 2500 hor r lines. Snow d - Murray - ed numerous t reported in C	of 7 to 12 inche of emergency mes in norther fell in the Atl  Fannin - Gili  O  raffic acciden layton in Rabi  O  nd a car. 25 to	es were v was de ast Geor anta anc mer - U  0  ts and c un Coun  0  35 tree	reported on the group clared in Habersham gia were without por Athens areas but an anion - Towns - Charles some roads in tty.  15K s were downed.  0.50K	and in the higher elevan, Rabun, Stephens, an ower because of accummounted to only an incittooga - Gordon - Pick Heavy Snow north Georgia. Amoun	tions of northead White counti- ulating snow as h, which was st kens - Dawson ats were general
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Thunderstorms dumped over 3 inches of rain in the Rome area.

Several roads were closed and 2 families were evacuated from apartments on West Butler street.

		Time	Path	Path	Number		Estimated	January 1996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed In	s ijured	Damage Property Crops	Character of Storm
GEORGIA, North and C	<u>entral</u>							
Chattooga County	26	1500000				•		
Summersville	26	1700EST 2100EST			0	0		Flash Flood
	•		-	many as 20	roads, many	of the	m secondary. Flood	waters forced the evacuation of several
Fannin County	people fro	om their home	S.					
Countywide	26	1800EST			0	0	30K	Flash Flood
	Flood wa	2100EST	house to coll	ance Humnh	rev Mill and	Mohile	roads were washed	out and several other roads were closed.
		s caused by he			•	1410011C	Todds were washed	out and several other roads were closed.
<b>Gordon County</b>								
Calhoun	26	1800EST 2115EST			0	0		Flash Flood
	Flood wa		roads county	-wide. 12 pe	ople were eva	cuated	from apartments in C	Calhoun.
Lumpkin County Countywide	26	1900EST			0	0		Flash Flood
County wide		ters covered se	everal roadwa	ays.	U	U		Flash Flood
<b>Gilmer County</b>								
Countywide	26	1900EST 2100EST			0	0	20K	Flash Flood
	Flood wa	ters washed or	ıt culverts, a	road, and a b	ridge.			
Catoosa County	26	2050EST			0	0		Flash Flood
Ringgold		nent complex	was evacuate	ed due to high		U		Flasii Flood
White County	-	•						
Helen	26	2100EST	v 120 was ev	racuated due	0 to flood water	0 re Seve	20K eral roads were close	Flash Flood d county-wide when they suffered bridge
		r had culverts		acuated duc	to 1100a water	is. Beve	orar roads were crose	d county wide when they surfered bridge
Pickens County								
Whitestone	26 Flood wa	2200EST ters caused 4 p	people to be e	evacuated fro	0 m their home	0		Flash Flood
Cherokee County	11000	iors caused . I	copie to ou c	, acade a		•		
Countywide	26	2200EST 2300EST			0	0	10K	Flash Flood
	Flood wa		ads in the so	outhern part	of the county.	. Sever	al cars were washed	off the road in the northern part of the
a	county.							
Carroll County Carrollton	26	2243EST			0	0		Flash Flood
Currenton			at 4 Notch, S	trickland, and			rch roads. Several se	condary roads were also flooded.
Cobb County	26	2255ECT			0	0		Final Final
Austell	26 Flooding	2255EST caused a muds	slide.		U	0		Flash Flood
<b>Union County</b>								
Blairsville	26 27	2300EST 0000EST			0	0		Flash Flood
		es due to heavy			lairsville.			
Correte Country	Most cree	eks were out of	f their banks.					
Coweta County Grantville	26	2330EST			0	0	10K	Flash Flood
			in caused the	e concrete blo	ock basement	wall of	f a home to collapse.	The wall had been previously weakened
Harris County	by Hurric	ane Opal.						
Mulberry Grove	26	2337EST			0	0	0.30K	Thunderstorm Wind
	Thunders	torm winds kn	ocked down	3 trees near	Highway 315.			
Lumpkin County Countywide	27	0000EST			0	0		Flash Flood
,		0115EST			D:41 4-	Cl C	· · · · · · · · · · · · · · · · · · ·	
Meriwether County	F1000 Wa	ters caused mu	idslides on O	akgrove and	Kidley roads.	Clay C	Creek road was closed	i due to flooding.
Durand	27	0005EST			0	0	0.50K	Thunderstorm Wind
<b>M</b> 1 a G 4	Thunders	torm winds kn	ocked a few	trees down n	ear Perry road	d and A	ugust road.	
Meriwether County Warm Spgs	27	0030EST			0	0	10K	Thunderstorm Wind
		were damage	d by thunder	storm winds.		-		
Fannin County Blue Ridge	27	0030EST			0	0	1K	Flash Flood
Diuc Muge			lies to be eva	cuated at Ca				I several mudslides were reported.

		Time	Path	Path	Number of Persons		Estimated Damage	January 19	996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)		jured	Property Crops	Character of Storm	
GEORGIA, North and	<u>Central</u>								
Fayette County Countywide	27	0030EST 0115EST			0	0		Flash Flood	
	Heritage closed.		d White Roa	nd near Highv	vay 92 in Fay	etteville	e were closed due to f	looding. Crabapple Lane in Tyrone	was
Polk County									
Cedartown	27	0100EST 0230EST	<b>5</b>		0	0		Flash Flood	
GEORGIA, Northeast	A mobile	home park on	Benedict So	chool Road w	as evacuated.	6 roads	were closed.		
GAZ010	Rabun								
	06 07	0900EST 0600EST			0	0		Heavy Snow	
	Heavy sr		•			area. 1	By mid day 5 to 7 in	ches had accumulated in part of Ra	ıbun
GAZ010-017	Rabun - Ha	bersham							
	06 07	2100EST 0700EST			0	0		Heavy Snow	
	•		•				maximum accumulat l along with minor in	ions in Habersham and Rabun coururies.	ıties
GAZ018-026-028>029	_	Franklin - Ha	rt - Elbert		0	0		<b>33</b> 17 4 C4	
	06 07	2100EST 0800EST				-		Winter Storm	
	counties	to 2 to 3 inche	s in Franklin	and Stephen	s counties. Ex	tremely	y cold weather and w	from an inch or two in Hart and E indy conditions followed the snow i	
GAZ028	or nortne  Hart	ast Georgia. w	inas chilis a	ropped to 20	degrees below	zero o	or colder in the mount	ains.	
G112020	07	1200EST			1	0		Extreme Cold	
	and walk	ted, apparently	to seek hel	p, toward the	Ranger station	on. He	was found later. It is	near Hartwell Dam. He escaped the not clear how the car ended up in	the
		cold with free					was reported to be ab	out 48 degrees. the weather was w	may
GAZ010-017>018-026- 028>029		abersham - St	-	_	•				
	11	1800EST 2200EST			0	0		Heavy Snow	
	Heavy sn		all late in the	afternoon an	d early in the	evening	g. This snow only fell	for about four hours but accumulate	d to
								ties. The snow was a little later and	
								nixed in. However, a number of tr blem as the storm earlier in the w	
		y warm weath	•				•		
GAZ010-017>018		abersham - St	ephens		0	0	117	H:-L-W:1 (C(0)	
	18	2000EST 2100EST			-	0	1K	High Wind (G60)	
		, .			•			rty damage across the mountains. Po	
								s developed and boosted gradient w in the downtown area. Trees and po	
	lines wer	e also reported		-	•			reported, except in Rabun county w	
CA7010		eams flooded.							
GAZ010	Rabun 18	2330EST 2359EST			0	0		Flood	
	Several in	nches of rain fo	ell but no sig	nificant flood	ling was repor	ted, ex	cept in Rabun county	where small streams flooded.	
GAZ010	Rabun	1100ECT			0	0		In Starm	
	26	1100EST 1500EST						Ice Storm	
	morning	and early after		•			was a relatively brief cumulations on trees a	period of freezing rain during the nd power lines.	late
GAZ010-017	Rabun - Ha 26	abersham 2330EST			0	0		Flood	
	27	1300EST	1 10	1.					*.1
	_	d heavy rain p ds and bridges		-			mountains. The water	r continued to rise during the night	with
GAZ010	Rabun	as and oriages		5 50110U5 110U	ang occurre				
	29	0500EST			0	0		Heavy Snow	
	Light sno	1800EST ow accumulate	d on roads c	ausing some i	cy spots.				

	otor III	Dala d	and U	nusua	ai vved	ıııe	r Pheno	omena	
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number Persons Killed Ir		Estimated Damage Property Crops	Character of Storm	January 1996
GEORGIA, Southeast									
GEORGIA, Southwest	NONE I	REPORTED.							
		REPORTED.							
GEORGIA, West Centr		Cl 44 l 1	G <sub>4</sub> 4	0.4					
GAZ089>090-102-120	Muscogee -	· Chattahooch 0000EST 2359EST	ee - Stewart	- Quitman	0	0		Extreme Cold	
		of Arctic air est eury fell to 19 d					e west-central por	tion of Georgia. At the	e Columbus airport,
<u>HAWAII</u>									
HIZ002-004	Oahu - Isla 10 12	nd Of Hawaii 2100HST 1800HST			0	0	150K	High Surf	
	An inten	se storm over toccurred along	the north sh	nore of Oahu	. Many cour	ity and s	state beach parks	ranging from 10 to 20 were closed along the Orive in Kailua Kona.	
Hawaii County	24	1.4.4.ETT.CIT			0	0			
Kohala, South Kona	24 Flash flo	1445HST 1700HST	closed the K	ohala Mounta	0 nin Road No	0 orth Koh:	ala received 2.8 in	Flash Flood nches of rain, easing th	e ongoing drought
							Kona District.	ienes of ram, easing a	e ongoing drought.
<b>Honolulu County</b>									
.5 S Diamond Head	<b>24</b> Funnel c	1505HST loud south of E	Diamond Hea	d observed by	0 y weather spo	tter.		Funnel Cloud	
Maui County 10 E Kaunakakai	24 Funnel c	1550HST	neast Moloka	i	0	0		Funnel Cloud	
Maui County	1 dillier c	loud over south	icast Woloka	1.					
East Molokai	24 Three wa	1610HST aterspouts obse	erved north of	f Molokai.	0	0		Waterspout	
Hawaii County		4 <b>=</b> 00 <b>*</b> 70 <b>*</b>							
Volcano	<b>24</b> Funnel c	1700HST loud observed a	above village	of Volcano.	0	0		Funnel Cloud	
Honolulu County Windward Oahu	25	0200HST 0600HST			0	0	800K	Flash Flood	
	Storm Robegan a (inches) Waiman Kakaina of Maun water clo	elative Velocity slow drift south included: 9.02 alo residents w and Mekia Stra awili Valley. osed the Kapaa	y products in h over Oahu. at Olomana, ere evacuate eets in Waim Mudslides c	dicated cyclo Heavy rains 9.00 at Kailo d as flooding analo. A brid	nic circulations occurred over at Manager and mudslided ge over the lift Highway, a	n from 1 er windv nunawili es closec Makawac major t	5 to 20 thousand a vard Oahu as the land the following of the land	the 24th just north of Confect. After 0100 HST of ow moved over the isl. 4.48 at Punaluu, and 20 Oahu roads. 15 home hed out, isolating 30 recen windward Oahu arekili Highway.	on the 25th, the low and. Rainfall totals 5.00 at Kahuku. 60 s were damaged on sidents near the top
HIZ004	Island Of I 25 26	0600HST			0	0		Heavy Snow	
	Heavy sı	0600HST now accumulate to the 13,796	-		s to 50 mph c	ausing c	onsiderable driftir	ng snow of 4 to 6 feet c	losed the road from
Maui County Haleakala		0115HST g struck the Mion panel. Thre					<b>10K</b> nmit of Haleakal	<b>Lightning</b> a sparking an electric	al fire in a power
Hawaii County Kau, Lower Puna	26	0400HST			0	0		Lightning	
Hawaii Causts	Lightnin	g that struck el	ectric lines c	aused power	outages in the	Kau and	d lower Puna Distr	ncts.	
Hawaii County 5 SE Hilo	<b>27</b> Funnel c	1520HST loud southeast	of Hilo Airn	ort.	0	0		Funnel Cloud	
Honolulu County Pearl Harbor	27	1630HST	or rino rinp	ort.	0	0	2K	Thunderstorm	Wind
HIZ001-004	Two war	rehouse roofs w	_	l at Pearl Har		v		- manaci 5001 III	
	30 31	1130HST 2300HST	_		0	0		High Wind (G	30)

	Storm	Data a	and U	nusu	al Wea	the	er Pho	enor	nena	
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed In		Estimat Damag Property		Character of Storm	January 1996
HAWAII									Hawaiian Islands pr	
		r the summits celerated betw					oa. High w	inds also	buffeted Waimea a	nd Kamuela where
Kauai County	20	15201107			0	0	4017	2017	771 J 4	**** 1
West Kauai	30	1530HST 1600HST			0	0	40K	20K	Thunderstorm	
		st of Kauai rep							Range Facility at Beather. Winds at Ko	
<b>Honolulu County</b>	1									
Kaneohe Bay	30 Waterspo	1850HST out stationary of	on Kaneohe I	Bay.	0	0			Waterspout	
Honolulu County Oahu	30	1915HST			0	0			Thunderstorm	Wind (G40)
Oanu		1945HST	were reporte	d at Barbers	-		r snotters in	Honoluli	ı, Kailua, and Kahu	, ,
	_	ay near Kuolo		d at Darbers	omit, and by	weather	spoucis in	Honorun	i, Kanua, and Kanu	iuu. Trees uowiieu
IDAHO, Extreme South	<u>east</u>									
	NONE F	REPORTED.								
IDAHO, North										
	NONE E	REPORTED.								
IDAHO, Northwest	NONE	CEI OKTED.								
,	NONE	EDODTED								
IDAHO, Southeast	NONE F	REPORTED.								
IDAHO, Southwest	NONE F	REPORTED.								
IDZ003	Upper Snak 05	te River Valle 1300MST 1600MST	<b>ey</b>		0	0			Fog	
TD (7000		g formed in the	e Sage Juncti	ion Port of E	itry reducing v	isibility	to one-eigl	nth of a m	ile.	
IDZ002	Magic Valle	ey 1800MST			0	0	10K		High Wind	
	A gold fr	2200MST	augh Cautha	m Idaha day	sing trace and	norvorli	inas in Cass	io County	8	
IDZ002	Magic Valle	ont moved thro ev	Jugii Soutilei	ii idano dow	inig trees and	powern	illes III Cass	ia County		
	16	2000MST 1200MST			0	0	6K		<b>Heavy Snow</b>	
	17 A storm		8 inches of	snow closing	Interstate 84	and the	e Interstate	84-86 Jui	nction. In the Mini	-Cassia area, some
						ernight	at St. Anth	ony dropp	ping power lines cau	ising several power
IDZ001-003-006-010-012	-	Several schoo allev - Upper				Iountai	ns - East C	entral M	ountains - Upper S	nake Highlands
122001 002 000 010 012	18 19	0600MST 1000MST	Shune Hive	· valley vv	0	0	ns Eust C	citi ui ivi	Heavy Snow	nunc Ingmunus
	received across the	9 to 14 inches e state include	, Idaho City ed 5-7 inche	reported 10 is in the Mag	nches, and Ca ric Valley at	scade in Gooding	n Valley Co g, Burley, J	unty rece erome, ar	nountains, Placervilli ived 7 inches. Other and Hagerman. In the	r amounts reported he Treasure Valley
	Southeast inchesI	t Higlands red sland Park and	ceived 18 in d Palisades E	ches. Other Dam 4 inches	locations inVictor, Pebb	Southea le Creel	st Idaho re k, and Arco	porting h	ey received 6 inchest eavy snowfall were with a spotter 4 mile of the Idaho Borde	: Arbon Valley 5 es east of Pocatello
IDZ003>004-010-012		ce River Valle 0800MST 1200MST								

Overnight, snow combined with gusty winds decreasing visibilities and creating dangerous driving situations. Snow totals and snow drift sizes included: Island Park 17 inches new with 4 to 6 foot drifts. Victor 9 inches...Blackfoot and Soda Springs 4 to 6 inches new with 2 to 4 foot drifts...Arco 5 inches new...Rigby and Idaho Falls 2-3 inches new with visibilities reduced to one-quarter of a mile.

IDZ002>005-010-012 Magic Valley - Upper Snake River Valley - Southeast Highlands - Southwest Highlands - East Central Mountains - Upper **Snake Highlands** 

23 24 0700MST  $\mathbf{0}$ 18K Winter Storm 1400MST

A strong cold front produced snow and areas of blowing and drifting snow across the state. The areas most affected were in Southern Idaho and in the West Central Mountains. Snow totals included Delamar Mines 12-14 inches with 6 to 8 foot drifts...12 inches at Placerville...10 inches at Idaho City and Ketchum...9 inches at Powell...7 inches at McCall...5 inches Elk River...18

		Time	Path	Path	Number	of	Estimated		January 1996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed In		Damage operty Crops	Character of Storm	•
IDAHO, Southwest									
IDZ003-006-012	3-4 inche Interstate periods o <b>Upper Snak</b>	s at Stone, Bas 84 and 86 w f times. Stron te River Valle	nncroft, Drigg were closed for ag winds asso	gs and Victor or over 8 hor ciated with t	r. Schools in surs while a nu he storm also tains - Upper	several are mber of st destoyed a <b>Snake Hi</b>	as were closed or ate highways and sign in Burley an	n the 24th due to ne smaller roads were d downed power po	rings and Inkom and w snow and drifting. closed for extended les in the Malta area.
	27 28	1300MST 0800MST			0	0		High Wind	
	20 to 30 Palisades period.	ont swept thro miles per hou Dam and 2 m	r with gusts niles northeas ere reduced to	to 45 miles p st of Pocatell o zero closin	oer hour in So o. Blowing ar g roads at time	utheast Ida d drifting	snow created pro	st gusts, 68 miles m blems in Southeast	er produced winds at ph, were recorded at Idaho throughout the Schools were closed
ILLINOIS, Central	D IIII D					35 1/1	<b>D</b> 1 G1	F1 (1)	
ILZ043>046-052>057- 061>063-066>068- 071>073					tian - Macon Richland - La		e - Douglas - Cole	es - Edgar - Shelby	- Cumberland -
	02 03	0200CST 0300CST			0	4	0	Winter Storm	ı
	The seco inches of condition accidents	nd major win snow across s, making tra resulted in 4	the area. Al avel hazardo serious injuri	so, gusty no us, and clos es.	rthwest winds ing numerous	from 30 t roads. T	o 40 mph accomp	cous minor acciden	orm dumped up to 8 eating near whiteout ts, though only two
ILZ027>031-036>038- 040>057-061>063- 066>068-071>073	Champaign	- Vermilion elby - Cumbe 0300CST	- Cass - Mei	nard - Scott	- Morgan - Sa	ngamon	•	Mason - Logan - De con - Moultrie - Do d - Lawrence Winter Storm	uglas - Coles -
									ois on January 4th. major injuries were
ILZ027>031-036>038- 040>057-061>063- 066>068-071>073	Knox - Star Champaign Edgar - She 18	- Vermilion elby - Cumbe 1000CST	- Cass - Mei	nard - Scott	- Morgan - Sa	ngamon		Mason - Logan - De con - Moultrie - Do d - Lawrence Winter Storm	uglas - Coles -
	the late n drop over were inju	norning and ear a 12 hour per red when the	arly afternoon riod. The raid driver of the	n hours. Aft n changed to RV lost con	erward, tempe ice than snow trol of the vehi	ratures be causing n cle when	gan to drop quick umerous power of a strong gust of w	ly. Most locations a utages and minor ac	ough the area during recorded a 60 degree cidents. Two people the Farmer City area I Illinois.
Shelby County 1 SE Shelbyville	18 Thunders	1045CST torm winds bl	ew down sev	veral signs 15	<b>0</b> SE of Shelbyvi	0 lle.	0	Thunderstorn	n Wind
De Witt County Kenney/Clinton/ to	18	1050CST		C	0	0		Thunderstorn	n Wind (G52)
Wapella		torm winds b destroyed 1 N			n Kenney and	DeWitt C	ounty ESDA repo	orted 60 mph winds	in Clinton. Also, a
Mclean County Bloomington/Mclean/ to Heyworth	o 18	1100CST			0	0		Thunderstorn	n Wind (G58)
	59 mph v	winds were re ls also blew o	ported at Mo	Lean Count	y Airport and	67 mph w	inds were reporte	ed by the ESDA off	ne in McLean. Also, ice in Bloomington. Inder construction in
Macon County Warrensburg/Forsyth t Decatur/Maroa	to 18	1100CST			0	0	0	Thunderstorn	n Wind
2 CONTRACTOR ON	Thunders	torm winds bl	lew down nu	merous trees	, tree limbs an	d power li	nes in Warrensbur	g, Forsyth, Decatur	, and Maroa.
Effingham County 1 E Montrose					<b>0</b> ek wall of a ba hed was destro		0 1E of Montrose.	Thunderstorn Also, a gasoline ta	<b>n Wind</b> nk was blown over a
Piatt County 1 W Milmine/Cerro Gordo	18	1120CST			0	0	0	Thunderstorn	n Wind
-	Thunders	torm winds bl	lew down nu	merous powe	er lines and po	wer poles	n Cerro Gordo an	d 1 W of Milmine.	

		Time	Path	Path	Number		Estima	ated	January 1996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Person Killed I	s njured	Dama Property	age Crops	Character of Storm
ILLINOIS, Central								•	
De Witt County									
Farmer City	18 Thunder	1120CST storm winds de	estroyed seve	eral sheds in	<b>0</b> Farmer City.	0		0	Thunderstorm Wind
Mclean County			•		·				
Cooksville	18 Thunder	1135CST storm winds bl	lew a large T	V antenna of	0 If of a house in	0 n Cooks	ville.	0	<b>Thunderstorm Wind</b>
Douglas County									
Atwood/Arcola	<b>18</b> Thunder	1140CST estorm winds up	prooted a tree	e in Atwood	0 and blew dow	0 n severa	ıl power po	0 les in Arco	Thunderstorm Wind
Champaign County									
Mahomet/Champaign	18 Thunder	1157CST storm winds b	lew down a l	arge tree in N	0 Mahomet and g	0 gusted to	o 71 mph a	t Champaiş	Thunderstorm Wind (G61) gn County Airport.
Edgar County									
3 NW Chrisman		1230CST estorm winds ricated on the fa		roof of a lar	oge frame barr	0 n and blo	ew down a	large tree.	Thunderstorm Wind, which broke out several windows in a
Vermilion County									
1 W Ridge Farm/Danville/ to Hoopeston	18	1245CST			0	0		0	Thunderstorm Wind
Поорезия	Thunder	storm winds b	olew down n	umerous tree	es and power	lines 1	W of Ridg	ge Farm, in	n Danville and in Hoopeston. Also, a
	carport r	oof was blown	off of one h	ome in Danv	ille.				
<b>ILLINOIS, Northeast</b>									
<b>Grundy County</b>									
Morris	18	1210CST			0	0			Thunderstorm Wind (G50)
Livingston County									
Dwight	18 A 65 mm	1220CST oh wind gust w	as reported a	t Dwight Air	oport.	0			Thunderstorm Wind (G56)
Will County					r				
Joliet	18 A NWS	1253CST employee on t	he west side	of Joliet repo	0 orted a wind gr	<b>0</b> ust to 63	3 mph.		Thunderstorm Wind (G55)
Will County		1 3		1	Ü		1		
(Jot) Joliet Distric	18	1257CST			0	0			Thunderstorm Wind (G52)
Will County									
Bolingbrook	18 The stee	1300CST ple of a church	was toppled	l by winds	0	0			Thunderstorm Wind
Will County	The stee	pre or a charer	. was toppied	. oj minas.					
Lockport	18	1310CST 1315CST			0	0		0	Thunderstorm Wind
									orn off a house in Homer Township east rindows were broken in another house.
Will County	•			-					
Frankfort	18 The roof	1310CST was peeled of	f in industria	l building on	0 highway 45 n	0 near Frai	45K nkfort.	0	Thunderstorm Wind
Iroquois County		-		_					
Gilman	<b>18</b> Winds k	1315CST nocked down 2	23 power pol	es along U.S	<b>0</b> . 24 near Gilm	<b>0</b> nan. Tre	10K e limbs and	0 I sheds wer	Thunderstorm Wind re also damaged.
Kankakee County									-
Momence	18 Large tre	1315CST ee branches we	re blown dov	wn.	0	0			Thunderstorm Wind
Cook County Palwaukee Airport	18	1340CST			0	0			Thunderstorm Wind (G53)
ILLINOIS, Northwest ILZ001>002-007-009- 015>018-024>026-		- Stephenson Mcdonough	- Carroll - V	Whiteside - I	Rock Island -	Henry	- Bureau -	Putnam -	Mercer - Henderson - Warren -
034>035	18	0430CST 2000CST			0	0			Winter Storm
		rful cold front							s 20 degrees in less than half an hour. below zero that night. 1 to 3 inches of

A powerful cold front steamed through the region around sunrise dropping temperatures 20 degrees in less than half an hour. Temperatures fell from the mid 50s into the teens within a few hours and the single digits below zero that night. 1 to 3 inches of freezing rain, sleet, and snow fell and caused icy roads and disruption of electrical power. Most Schools canceled classes or dismissed early. Many others had trouble getting home with icy roads and difficulty just getting into there cars due to doors and door locks being iced over. Glaze was so thick that Muscatine Postmaster Dyann Roby said "most of the 35 collection boxes were frozen shut"; however other mail services continued.

Storm	Data and	Unusual	Weather	Phenomena
JUIII	Dala allu	Uniusuai	v v Eau i Ei	i ileiluileila

Location	Date	Time Local/	Path Length (Miles)	Path Width	Number Persons Killed Ir	8	Estimated Damage Property Crop	s Character of Storn	January 1996
ILLINOIS, Northwest	Dute	Standard	(Miles)	(Yards)	Killed II	ijureu	Property Crop	s Character of Stori	1
ILZ001>002-007-009- 015-024	Jo Daviess	- Stephenson	- Carroll - V	Whiteside -	Rock Island -	Mercer			
	26 27	0400CST			0	0		Winter Storm	ı
		0400CST r storm system	moving nor	theast over	the Mississippi	river br	ought 1 to 3 incl	nes of rain, sleet, and s	now to northwestern
	Illinois.	Significant tra	wel problem	s occurred d	lue to a layer of	glaze w	hich came down	first and was then cov	
				_	and drifting and				
ILZ001>002-007-009- 015>018-024>026- 034>035		- Stephenson Mcdonough	- Carroll - V	Whiteside -	Rock Island -	Henry -	Bureau - Putna	ım - Mercer - Hender	son - Warren -
	30 31	2000CST 2359CST			0	0		Extreme Cold	
	pushed of temperat	over the area of tures occurred	on the 30th a at many loc	and took tem ations durin	peratures belov	w zero tł d. Reco	hrough the first	orth of I80. A re-enforce days of February. From -25 to -32 for 2 to	All time record low
<b>ILLINOIS, South</b>									
ILZ075-080>082-			klin - Hamil	ton - Jacks	on - Williamso	n - Salir	ne - Union - Joh	nson - Pope - Hardin	- Alexander -
084>086-088>094	Pulaski - M 02	1000CST			0	0		Winter Storm	ı
	A major	2300CST winter storm	affected par	ts of southe	ern Illinois, Sno	owfall at	mounts increase	from south to north,	with up to 8 inches
	reported an inch of had 3 incholiday to none with the follow	at Mount Ver of snow was n ches, and Pinc travelers seeki th serious injur	non. Warme neasured in r kneyville re- ng to avoid ies. A schoo asty winds a	r temperatur northern Pop ported 4 inc dangerous to I bus carryir	res closer to the se County, less hes. In the most ravel conditions ag 30 students s	than 20 st affecters. In Jeff slid into a	ky border result miles from the C ed areas, includin ferson County al a ditch, but nobo	ded in a mixture of preceding Mount Vernon, hote one, 36 weather-related dy was hurt. Most schoal efforts. Winds gust	ipitation types. Only orted 5 inches, Anna ls were booked with d accidents occurred, ols cancelled classes
ILZ075-080>082-				ton - Jacks	on - Williamso	n - Salir	ne - Union - Joh	nson - Pope - Hardin	- Alexander -
084>086-088>094	Pulaski - M	<b>I</b> assac						•	
	06	0400CST 2300CST			0	0		Winter Storm	l
	57 near shovellir open far	Mount Vernoring snow. Five	n. Several pe people were one southeast	cople were is treated for s	njured in this n lip-and-fall inju	nishap. A uries, inc	A man in Benton luding three frac	a van that slid into a go a suffered a fatal heart tures. The deep drifts v te Highway 161 was re	attack while he was were over car roofs in
Alexander County									
5 W Tatumville	18 Two tree	0940CST			0	0		Thunderstorr	n Wind
<b>Union County</b>	1 wo dec	os down.							
2 S Anna	18	0945CST			0	0	5K	Thunderstorn	n Wind
Pulaski County	Power po	oles were brok	en.						
1 SE Wetaug	18	0955CST			0	0	10K	Thunderstorn	n Wind
· ·	A machi	ne shed was b	lown across	a road. Debr	is from the she	d damag	ed a house traile	:.	
Massac County	18	1008CST			0	0	40K	Thunderstorn	. Wind
3 E Brookport			mostly barns	s, were dam	aged or destroy		40K	Thunderstori	ii vviiiu
			·						
Johnson County									
.5 S Vienna	18 Trees on	1015CST ad power lines	wara down n	ear Vienna	0	0		Thunderstorn	n Wind
	rices an	iu powei illies	were down n	leai vieillia.					
Pope County									
.2 W Homberg	18	1017CST			0	0		Thunderstorn	n Wind
	Trees we	ere down on po	ower lines.						
Saline County .2 N Raleigh	18	1030CST			0	0	20K	Thunderstorn	n Wind
		vas blown dow	n near Ralei	gh.	v	·		- manuci 5:011	
Hardin County	40	1020 000			^		<b>FT</b> 7	701	***
.5 N Rosiclare	18	1030CST			0	0	5K	Thunderstorn	n Wind

od wave down the O iver crested 3 to 5 f od stage there is 37 f neluding some roads - Jersey - Madison 200CST moved east into w drifting snow resulti	wer lines.  ew England and Dhio River. This feet above flood feet. Most of the s and recreations at - St. Clair - Mest central and ing in the closin attributed to slied by strong windown a few trees dipower lines also dipo	d the Mid-Atls in turn sent d stage. At Lore flooding war all equipment.  Ionroe  0  I southwest II ng of many corick roads and nds.  0  and power line	0 lantic aro backwate ock and I as confin 0 linois, dr ounty roa 1 poor dr	er up many of the so Dam 52 near Brooled to bottomlands. Topping from 6 to ds. Classes were criving conditions.	Thunderstorm Wind (G5
Pulaski - Massac 100CST 159CST of '96 that fell in No od wave down the O iver crested 3 to 5 f od stage there is 37 f ncluding some roads - Jersey - Madison 100CST	The England and Ohio River. This feet above flood feet. Most of the sand recreations a - St. Clair - Movest central and ing in the closin attributed to slied by strong wir own a few trees d power lines ald	d the Mid-Atls in turn sent d stage. At Lo de flooding was all equipment.  Ionroe  0  I southwest II ng of many cocick roads and nds.  0  and power line 0	obackwate ock and I as confin o linois, drounty road I poor dromes and to o	ropping from 6 to ds. Classes were criving conditions.	to melt towards the middle of the maller rivers that feed into the O kport, IL, the river crested at 43.8 Portions of Fort Massac State Power Storm  10 inches of snow. Strong wind ancelled at many area schools on Some power outages in Bellevi  Thunderstorm Wind (G5 me roofs.
Pulaski - Massac 100CST 159CST of '96 that fell in No od wave down the O iver crested 3 to 5 f od stage there is 37 f ncluding some roads - Jersey - Madison 100CST	The England and Ohio River. This feet above flood feet. Most of the sand recreations a - St. Clair - Movest central and ing in the closin attributed to slied by strong wir own a few trees d power lines ald	d the Mid-Atls in turn sent d stage. At Lo de flooding was all equipment.  Ionroe  0  I southwest II ng of many cocick roads and nds.  0  and power line 0	obackwate ock and I as confin o linois, drounty road I poor dromes and to o	ropping from 6 to ds. Classes were criving conditions.	to melt towards the middle of the maller rivers that feed into the O kport, IL, the river crested at 43.8 Portions of Fort Massac State Power Storm  10 inches of snow. Strong wind ancelled at many area schools on Some power outages in Bellevi  Thunderstorm Wind (G5 me roofs.
oodCST is9CST of '96 that fell in No od wave down the O iver crested 3 to 5 f od stage there is 37 f including some roads  - Jersey - Madison OOCST owed east into w drifting snow resulti to accidents were a Columbia were cause OMCST in wind gusts blew do  OMST in wind gusts downed	Ohio River. This feet above flood feet. Most of the s and recreation:  a - St. Clair - Movest central and ing in the closin attributed to slied by strong windown a few trees.  d power lines ald power lines ald	d the Mid-Atls in turn sent d stage. At Lo de flooding was all equipment.  Ionroe  0  I southwest II ng of many cocick roads and nds.  0  and power line 0	obackwate ock and I as confin o linois, drounty road I poor dromes and to o	ropping from 6 to ds. Classes were criving conditions.	to melt towards the middle of the maller rivers that feed into the O kport, IL, the river crested at 43.8 Portions of Fort Massac State Power Storm  10 inches of snow. Strong wind ancelled at many area schools on Some power outages in Bellevi  Thunderstorm Wind (G5 me roofs.
of '96 that fell in No od wave down the Odiver crested 3 to 5 feld stage there is 37 feld s	Ohio River. This feet above flood feet. Most of the s and recreation:  a - St. Clair - Movest central and ing in the closin attributed to slied by strong windown a few trees.  d power lines ald power lines ald	d the Mid-Atls in turn sent d stage. At Lo de flooding was all equipment.  Ionroe  0  I southwest II ng of many cocick roads and nds.  0  and power line 0	obackwate ock and I as confin o linois, drounty road I poor dromes and to o	ropping from 6 to ds. Classes were criving conditions.	to melt towards the middle of the maller rivers that feed into the O kport, IL, the river crested at 43.8 Portions of Fort Massac State Power Storm  10 inches of snow. Strong wind ancelled at many area schools on Some power outages in Bellevi  Thunderstorm Wind (G5 me roofs.
od wave down the O iver crested 3 to 5 f od stage there is 37 f od od stage od o	Ohio River. This feet above flood feet. Most of the s and recreation:  a - St. Clair - Movest central and ing in the closin attributed to slied by strong windown a few trees.  d power lines ald power lines ald	s in turn sent d stage. At Lo e flooding wa al equipment.  Ionroe 0 I southwest II ng of many co ick roads and nds. 0 and power lin	backwate ock and I as confin  0 linois, dr bunty roa 1 poor di  0 mes and to	er up many of the so Dam 52 near Brooled to bottomlands. Topping from 6 to ds. Classes were criving conditions.	winter Storm  One of Storm  Winter Storm  One of Storm  One of Storm  Winter Storm  One of Storm  Winter Storm  Thunderstorm Wind (G5)  me roofs.
iver crested 3 to 5 ft d stage there is 37 ft d stage there is 37 ft deluding some roads  - Jersey - Madison 200CST moved east into we drifting snow resultito accidents were a columbia were cause 230CST a wind gusts blew do 245CST a wind gusts downed 255CST	feet above flood feet. Most of the s and recreations a - St. Clair - Movest central and ing in the closin attributed to sli ed by strong windown a few trees d power lines also	d stage. At Lea e flooding was all equipment.  Ionroe  0  I southwest II ng of many colick roads and nds.  0  and power line	ock and I as confin  0 linois, dr bunty roa 1 poor di  0 mes and to	Dam 52 near Brooled to bottomlands.  Topping from 6 to ds. Classes were criving conditions.	Winter Storm  10 inches of snow. Strong wind ancelled at many area schools on Some power outages in Bellevi.  Thunderstorm Wind (G5 me roofs.
d stage there is 37 factuding some roads  - Jersey - Madison 200CST 600CST moved east into we drifting snow resulting accidents were a columbia were cause 230CST a wind gusts blew do 245CST a wind gusts downed	feet. Most of the sand recreations at - St. Clair - Movest central and ing in the closin attributed to slied by strong windown a few trees dipower lines also dipower	le flooding was all equipment.  Ionroe  0  I southwest II ag of many colick roads and nods.  0  and power line  0	0 linois, drounty roa 1 poor dr	ropping from 6 to ds. Classes were criving conditions.	Winter Storm  10 inches of snow. Strong wind ancelled at many area schools on Some power outages in Bellevi  Thunderstorm Wind (G5 me roofs.
- Jersey - Madison 200CST 100CST 200CST 200C	vest central and ing in the closin attributed to sli ed by strong win own a few trees	Ionroe 0 southwest III ng of many co ick roads and nds. 0 and power lin	0 linois, drounty roa l poor dr  0 nes and to	ds. Classes were criving conditions.	10 inches of snow. Strong wind ancelled at many area schools on Some power outages in Bellevi  Thunderstorm Wind (G5 me roofs.  Thunderstorm Wind (G5
200CST 100CST moved east into w drifting snow resulti to accidents were a Columbia were cause 230CST a wind gusts blew do 245CST a wind gusts downed	vest central and ing in the closin attributed to sli ed by strong win own a few trees	o southwest III ag of many colock roads and nds.  o and power line	linois, dr pounty roa 1 poor dr 0 nes and to	ds. Classes were criving conditions.	10 inches of snow. Strong wind ancelled at many area schools on Some power outages in Bellevi  Thunderstorm Wind (G5 me roofs.  Thunderstorm Wind (G5
200CST 100CST moved east into w drifting snow resulti to accidents were a Columbia were cause 230CST a wind gusts blew do 245CST a wind gusts downed	vest central and ing in the closin attributed to sli ed by strong win own a few trees	o southwest III ag of many colock roads and nds.  o and power line	linois, dr pounty roa 1 poor dr 0 nes and to	ds. Classes were criving conditions.	10 inches of snow. Strong wind ancelled at many area schools on Some power outages in Bellevi  Thunderstorm Wind (G5 me roofs.  Thunderstorm Wind (G5
moved east into wed rifting snow resultito accidents were a columbia were cause 230CST a wind gusts blew do 245CST a wind gusts downed 255CST	ing in the closin attributed to sli ed by strong win own a few trees d power lines ald	ng of many coick roads and nds.  0 and power lin 0	ounty road poor di	ds. Classes were criving conditions.	10 inches of snow. Strong wind ancelled at many area schools on Some power outages in Bellevi  Thunderstorm Wind (G5 me roofs.  Thunderstorm Wind (G5
drifting snow resulti to accidents were a Columbia were cause  30CST a wind gusts blew do  45CST a wind gusts downed	ing in the closin attributed to sli ed by strong win own a few trees d power lines ald	ng of many coick roads and nds.  0 and power lin 0	ounty road poor di	ds. Classes were criving conditions.	ancelled at many area schools on Some power outages in Bellevi Thunderstorm Wind (G5 me roofs.
nto accidents were a Columbia were cause 230CST In wind gusts blew do 245CST In wind gusts downed 255CST	attributed to sli ed by strong wir own a few trees d power lines ald	ick roads and nds.  0 and power lin 0	0 nes and to	riving conditions.	Thunderstorm Wind (G5 me roofs.
030CST In wind gusts blew do 045CST In wind gusts downed 055CST	own a few trees	0 and power lin	nes and to	-	me roofs.  Thunderstorm Wind (G5
n wind gusts blew do  45CST  n wind gusts downed  955CST	d power lines ald	and power lin	nes and to	-	me roofs.  Thunderstorm Wind (G5
n wind gusts blew do  45CST  n wind gusts downed  955CST	d power lines ald	and power lin	nes and to	-	me roofs.  Thunderstorm Wind (G5
045CST in wind gusts downed 055CST	d power lines ald	0	0	-	Thunderstorm Wind (G5
n wind gusts downed		0 ong Route 16		n Adeville and Ok	
955CST		ong Route 16	0 betwee	n Adeville and Ok:	ouvilla
	oen numerous tr			and Ok	awvine.
	oen numerous tr	0	0		Thunderstorm Wind (G5
		rees in the No	komis ar	ea.	11111111111111111111111111111111111111
10 CC					m 1
110CST  I wind gusts blew sh	ningles off a roo	<b>0</b>	0		Thunderstorm Wind (G5
wind gusts ofew sin	migies on a roo	71.			
20CST		0	0		Thunderstorm Wind (G5
wind gusts downed	d trees and power	er lines in Va	ndalia. T	he roof of a car wa	sh was also blown off.
Miami - Warren -	Tinnecanoe - (	Clinton - Ho	ward - F	'ountain - Montgo	mery - Boone - Tipton - Hamilt
					Hancock - Henry - Vigo - Clay
	sh - Sullivan - (	Greene - Mo	nroe - Bi	rown - Bartholom	ew - Decatur - Knox - Daviess -
ckson - Jennings 100EST		0	0		Winter Storm
00EST					
snowstorm of 1996 it ty four counties decl			diana.	In central sections	, snowfall amounts averaged six t
			ward - F	ountain - Montgo	mery - Boone - Tipton - Hamilt
					Hancock - Henry - Vigo - Clay
	sh - Sullivan - C	Greene - Mo	nroe - Bi	rown - Bartholom	ew - Decatur - Knox - Daviess -
_		0	0		Winter Storm
300EST					
		-			mus also caused timee to ten re
Miami - Clinton -	Howard - Tipt	ton			
CONFIGUR		0	0		XXII 4 G4
BOOEST BOOEST		U	U		Winter Storm
ving snowstorm spr					komo and Indianapolis. One to f
rred in the Indianap					M D 1
24 II '14	waaison - Par	rke - Putnam	ı - Mario	on - Clay - Owen -	viorgan - Bartholomew
inton - Hamilton -					
linton - Hamilton -		0	0	21.5K	High Wind (G60)
315EST			. 25		
i i	ckson - Jennings 00EST 00EST er storm produced in south central In roads impassable. S Miami - Clinton - 00EST 00EST ving snowstorm sp rred in the Indianap linton - Hamilton -	ckson - Jennings 00EST 00EST ere storm produced one to ten inc in south central Indiana from Blc roads impassable. Snow emergence Miami - Clinton - Howard - Tip 00EST 00EST ving snowstorm spread six inch so rred in the Indianapolis area and th inton - Hamilton - Madison - Pa	ckson - Jennings 100EST 0 100E	ckson - Jennings 100EST	## 100EST

and frequent gusts to 40 mph. A line of showers ahead of a cold front moved east across the state producing wind gusts from 35 to 70 mph with most counties receiving 60 mph wind gusts.

		Time	Path	Path	Numbe	er of	Estimate	·d		January 1996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Perso		Damag Property		Character of Storm	January 1990
INDIANA, Central							1 ,	•		
<b>Vermillion County</b>										
Newport	18	1345EST 1350EST			0	0			Hail (1.75)	
Tippecanoe County		1000251								
8 NW Lafayette to	18	1430EST	3.5	50	0	0			Tornado (F0)	
7 N Lafayette	Weak to:	1435EST rnado damageo	l several barı	ns and homes	and also ove	erturned t	wo tractor tr	ailors on I-	65. No injuries or	fatalities.
INZ047	Marion									
	18	1519EST 1522EST			1	0	0.01K		High Wind	
	A tree fe		Indianapolis	during a brie	f peak gust v	which occ	urred within	a longer d	uration high wind	event. M48OU
INZ064-071		ew - Jackson								
	19 21	0100EST 1800EST			0	0			Flood	
			ious days co	mbined with	melting sno	ow to bri	ng the East	Fork of the	White River to	each over four feet
	above flo	ood stage. This	impacted fa	rm fields and	rquired clos	sing of so	me roads alo	ng the rive	rs edge.	
INDIANA, Northeast	A 11									
INZ018	Allen 02	0700EST			0	0			Winter Storm	
	03	1200EST	4.11	G . 14	11.601		11.15	. 337		
										ort from 7 AM EST ous school closings
	were rep	•	on sandary 3	. I tumerous	accidents we	ere report	ed in the Ci	ly of Fort	wayne and numer	ous senoor crosnigs
	_									
INZ024	Wabash									
	02 03	0700EST 1200EST			0	0			Winter Storm	
			now fell acro	ss Wabash C	County on Jai	nuary 2 th	rough the m	orning hou	rs of January 3 pr	ompting the closing
	of schoo	ls and resulting	g in a numbe	r of accidents						
INZ026	Wells 02	0700EST			0	0			Winter Storm	
	03	1200EST			-					
										January 3. Drifts to
										e county declared a e to the limitation of
		traffic only be						r	, ,	
INZ027	Adams									
	02 03	0700EST 1200EST			0	0			Winter Storm	
	Eight inc	ches of snow fe								mergency with only
										ng of January 3 left
		ty virtually at with due to the abs								w related accidents
INZ032	Grant	due to the up.	sense of mot	on the r	oud due to ti	ne snow e	mergency e	incu by co.	anty officials.	
	02	0700EST			0	0			Winter Storm	
	03 Seven in	1200EST	fell across C	Frant County	causing the	closing	of all school	s and prod	ucing a number o	f minor automobile
		s. The snow be		•	_	_			8	
INZ033	Blackford	OF OFFICE							**** . G.	
	02 03	0700EST 1200EST			0	0			Winter Storm	
		he worst snow								morning of January
										feet being reported.
		vy snow promp vel virtually in	-						except emergency	vehicles. The snow
INZ034	Jay		T							
	02	0700EST			0	0			Winter Storm	
	03 Ten inch	1200EST nes of snow fel	l across Jay	County durin	g a 30 hours	s period s	hutting dow	n schools, i	ndustries and bus	inesses. Traffic was
										owed. Drifts to nine
777004		epth were repo	rted.							
INZ024	Wabash 18	1400FST			0	Λ	30K	0	High Wind	
	18	1400EST 1800EST			U	0	JUK	0	High Wind	
	_	nds gusting to			-			vith 70 foo	t of roof blown o	ff Swingset Inc. on

Indiana 15 north of LaFontaine. Also, trees and lines were reported down.

		Time Local/	Path Length	Path Width	Number Person	S	Estimated Damage		January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed I	njured	Property Crops	Character of Storm	
INDIANA, Northwest									
Jasper County									
Remington	18 Barne v	1348CST rere damaged at	nd antannas i	vere blown d	0	0		Thunderstorm	Wind
Jasper County	Dailis w	ere damaged ai	iu amemias	were blown u	OWII.				
Rensselaer Jasper Ar	18	1348CST			0	0		Thunderstorm	Wind (G52)
Porter County									(002)
Kouts	18	1350CST			0	0		Thunderstorm	Wind
	Tree lin	nbs were blown	down south	and east of K	Couts.				
Starke County									
North Judson	18	1415CST f of a house wa	a damagad b	v wind	0	0		Thunderstorm	Wind
Ponton County	1116 100	i oi a nouse wa	s damaged o	y willu.					
Benton County Fowler	18	1424EST			0	0		Thunderstorm	Wind (G64)
White County	10	1121201			v	Ü			(001)
8 NW Lafayette to .5 W Brookston	18	1430EST 1438EST	6	50	0	0		Tornado (F0)	
	Brookst large pi	on. There was	also damage pped. A TV	to a shed an antenna was	nd a swing se s blown off a	t overtu house o	r damage to the siding urned. At a nearby fa on the southwest side	ırm several buildings	were damaged. A
White County	report is	or information (	m damage m	om ms toma	do in Tippeed	moc co	unty.		
Monticello	18	1440EST 1450EST			0	0		Thunderstorm	Wind
	Tree lin	nbs and power l	ines were kn	ocked down	throughout the	e county	у.		
Pulaski County		_			-				
Medaryville	18	1515EST			0	0		Thunderstorm	Wind
	Trees w	ere blown dowi	n.						
Marshall County	10	1 <i>5 45</i> DOD			0	0		TDI I 4	W. 1 (C.52)
Plymouth	18	1545EST			0	0		Thunderstorm	Wind (G53)
St. Joseph County North Liberty	18	1550EST			0	0	0	Thunderstorm	Wind
1101011 210010		nbs and power l	ines were blo	own down in	the southwest	t part of		111111111111111111111111111111111111111	***************************************
<b>Fulton County</b>									
Delong	18	1557EST			0	0		Thunderstorm	Wind
	Trees w	ere blown dowi	n.						
Elkhart County	18	1/20ECT			0	0		Th 1 4	W: 1 (C(2)
Elkhart	A wind	1620EST gust to 69 mph ere damaged.	was reporte	d at the Elkh	•	•	at to 73 mph occured	Thunderstorm at a radio station. Tre	
INDIANA, South Centra		re damaged.							
INZ076>079-083>084- 089>092	_	Washington - S	Scott - Jeffei	son - Dubois	s - Crawford	- Perry	y - Harrison - Floyd	- Clark	
007/07/2	06 07	1500EST 0600EST			0	0		Heavy Snow	
	A major in the L	snow storm hi ouisville CWA	before it sto	pped Sunday	afternoon. Th	he heav	The snow began around y snow began around oved from the Gulf st	1500 est on the 6th a	and ended around 6

A major snow storm hit south central Indiana on January 6-7, 1996. The snow began around noon est and effected all the counties in the Louisville CWA before it stopped Sunday afternoon. The heavy snow began around 1500 est on the 6th and ended around 6 am est on the 7th. A strong double-barreled low pressure system moved from the Gulf states on the 6th to Georgia and then the South Carolina coast by the afternoon of the 7th. The snow became light and moved East of the Louisville CWA by 0000 est on the 8TH. By 6 am est January 7, accumulations ranged from 6 inches across Jefferson and Floyd counties to 14 inches across Orange County.

INZ079

Jefferson
17 0700EST
18 0730EST

Heavy rain and snowmelt caused minor flooding on the Mucatatuck River near Deputy, Indiana. The river crested at 17.4 feet at 530 pm on January 17. Flood stage is 15 feet.

INZ091

Floyd
18 1315EST
0 0 0
High Wind (G45)
Power lines down from gradient winds in New Albany.

INZ091

Floyd
18 1315EST
0 0 0
High Wind (G45)
Power lines down across the county due to gradient winds.

		Time Local/	Path Length	Path Width	Number of Persons		Estimated Damage	January 1996			
Location	Date	Standard	(Miles)	(Yards)	Killed I	njured	Property Crops	Character of Storm			
INDIANA, South Centra	<u>al</u>										
INZ090	Harrison	1.41.513073			0			H* 1 W* 1 (C45)			
	18	1415EST 1430EST			0	0		High Wind (G45)			
	Power lin	nes were down	across the c	ounty. report	from the She	riff's O	ffice.				
INZ090	Harrison										
	18	1455EST	~ 1 1	. 1 . 1	0	0		High Wind (G53)			
FI 10 4	Harrison	County High	School repor	tea a wina gi	ist to 53 mpn	•					
Floyd County Floyds Knobs	18	1530EST			0	0		Thunderstorm Wind (G50)			
rioyus ixiiobs		d power lines v	were down fr	om thunders	torm winds.	Ū		Thunderstorm vind (650)			
INZ092	Clark	-									
	18	1600EST			0	0		High Wind (G45)			
	Power lines down across State Road 362 due to gradient winds.										
INZ079	Jefferson 19	0220EST			0	0		Flood			
	19	0330EST 2000EST			U	U		Flood			
	The Muscatatuck River near Deputy went over flood stage due to snowmelt and heavy rain. The river crested at 21.1 feet at 8 am										
	on January 19. Only minor flooding was reported.										
INZ079-084-090>092		Crawford - H	arrison - Fl	oyd - Clark	0	0		TO 1			
	22 31	0700EST 1159EST			0	0		Flood			
	Snowme	lt and heavy	rain caused	widespread f	looding all	along th	he Ohio River. Floo	ding approached moderate levels near			
	Louisville and was the worst in 5 years. By the end of the month, the river remained above flood stage at most locations. McAlpine										
	Lock crested at 59.4 feet on the lower gauge at 8 am on January 26(4.4 feet above flood stage). The upper gauge crested at 28.1 feet on January 26 at 5 am(5.1 feet above flood stage). Many homes along the river reported substantial flooding, but no injuries										
	were rep	•	am(5.1 feet	above 1100d	stage). Many	nomes	along the river repor	ted substantial flooding, but no injuries			
INZ079	Jefferson	ortea.									
I (EU)	23	0900EST			0	0		Flood			
	24	2245EST	-								
					to heavy rai	n and si	nowmelt. The river cre	ested at 20.6 feet on January 24, 1996 at			
INDIANA, Southeast	3 am. On	nly minor flood	ing was repo	rted.							
INZ050-058>059-066-073	Wayne - Fa	vette - Union	- Franklin .	Rinley							
I (2030-030/03)-000-073	02	1200EST	- I I dilkimi	Ripicy	0	0	200K	Winter Storm			
	03	1200EST		_							
		-	-					heaviest snow fell across East Central			
					-			ditions. Wind gusts up to 40 mph were Union counties. Roads oriented east to			
								ly after the roads were plowed. Snow			
	amounts	dropped off ra	pidly to the	south as rain	and mixed p	recipita	ntion preceded the sno	wfall. Parts of Northern Ripley county			
	reported	8 inches of sno	ow, while in	the southern	part of the co	unty the	ere was only 3 inches	reported.			
INZ050-058>059-066-	Wayne - Fa	yette - Union	- Franklin	Ripley - De	arborn - Oh	io - Sw	itzerland				
073>075-080	06	1400EST			0	0	1.1M	Winter Storm			
	08	0100EST			v	Ū	1.11/1	Winter Storm			
	This massive storm system developed in the Gulf Coast and moved up the East Coast. The heaviest snow fell acro										
	Indiana where up to a foot of snow occurred near the Kentucky border. Farther north, around 6 inches fell in Wayne county. Strong winds caused significant blowing and drifting snow, especially to the north where the snow was lighter and more powdery.										
Fayette County	Suong w	ilius causeu si	giiiiicani bio	wing and dri	ung snow, es	peciany	to the north where th	le snow was righter and more powdery.			
Connersville	18	1643EST			0	0	2K	Thunderstorm Wind (G50)			
		e limbs blown	down.								
Ripley County											
Batesville	18	1654EST			0	0	2K	Thunderstorm Wind (G50)			
W C	Power po	oles and lines b	lown down.								
Wayne County Richmond	18	1710EST			0	0	2K	Thunderstorm Wind (G50)			
Richmonu		own down.			v	v	211	Thunderstorm Wind (650)			
INZ050-058>059-066	Wayne - Fa	yette - Union	- Franklin								
	18	1800EST			0	0	0	Flood			
	20 1200EST  The combination of prior snow cover, unusually mild temperatures and recent rain produced flooding on the Whitewater river. The										
							stage is 12 feet.	a mooding on the willtewater river. The			
INZ050-058>059-066-		yette - Union	•		-		•				
074>075-080	, III I'	., С			J D.111		-				
	24	1200EST			0	0	300K	Flood			
	30 On the 2	1200EST 3rd_many_area	s received a	round an incl	n of rainfall v	hich n	ished the Whitewater	river back into flood. The river crested			

On the 23rd, many areas received around an inch of rainfall which pushed the Whitewater river back into flood. The river crested at Alpine at 12.3 feet where the flood stage is 12 feet. The worst flooding occurred on the Ohio river. Markland Dam which is

		Time Local/	Path Length	Path Width	Number of Persons		Estimated Damage			January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	

#### INDIANA, Southeast

downstream from Cincinnati, crested at 51.8 feet and flood stage is 51 feet. However, points between Markland and Cincinnati suffered from significant flooding.

#### **INDIANA**, Southwest

NONE REPORTED.

#### IOWA, Central IAZ004>006-015

Emmet - Kossuth - Winnebago - Palo Alto

17 1200CST 25K **Ice Storm** 

An arctic cold front sagged slowly south into Iowa during the day on the 17th. Since this front moved south ahead of a major developing storm system, the intrusion of Arctic air was very shallow. Temperatures dropped into the upper teens and 20s in the wake of the front. Rain developed during the afternoon to the south of the front and moved north into the area of colder temperatures. Freezing rain became widespread during the afternoon with upwards of 1/4 to 1/2 inch of freezing rain reported in the Estherville area. Most of the rest of the area received under 1/4 inch. Roads became slippery wth numerous accidents reported. No major damage was reported, however a few areas lost power briefly due to branches falling onto power lines.

IAZ004>011-015>019-023>029-033>039-044>050-057>062-070>075-081>086-092>097

Emmet - Kossuth - Winnebago - Worth - Mitchell - Howard - Winneshiek - Allamakee - Palo Alto - Hancock - Cerro Gordo -Floyd - Chickasaw - Pocahontas - Humboldt - Wright - Franklin - Butler - Bremer - Fayette - 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 - Wapello - Taylor - Ringgold - Decatur - Wayne - Appanoose - Davis

High Wind (G55) 2100CST 0100CST 17 19

IAZ004>011-015>019-023>029-033>039-044>050-057>062-070>075-081>086-

092>096

IAZ004>011-015>019-023>029-033>039-044>050-057>062-070>075-081>086-092>097

IAZ009>011-019-028>029-039-050

Emmet - Kossuth - Winnebago - Worth - Mitchell - Howard - Winneshiek - Allamakee - Palo Alto - Hancock - Cerro Gordo -Floyd - Chickasaw - Pocahontas - Humboldt - Wright - Franklin - Butler - Bremer - Fayette - 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 - Wapello - Taylor - Ringgold - Decatur - Wayne - Appanoose

0800CST

Emmet - Kossuth - Winnebago - Worth - Mitchell - Howard - Winneshiek - Allamakee - Palo Alto - Hancock - Cerro Gordo -Floyd - Chickasaw - Pocahontas - Humboldt - Wright - Franklin - Butler - Bremer - Fayette - 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 - Wapello - Taylor - Ringgold - Decatur - Wayne - Appanoose - Davis

0900CST 2100CST 18 Blizzard

M72OU

Howard - Winneshiek - Allamakee - Chickasaw - Bremer - Fayette - Black Hawk - Tama

40K 1100CST 2200CST **Heavy Snow** 

A major winter storm system moved through the central U.S. duing the night of the 17th and into the day on the 18th. Actually, there were two storm centers which affected Iowa. The first developed over the Rockies and advanced across Kansas before turning northeast across western Iowa. Later on, during the 18th, a second low developed over Arkansas and southern Missouri, then advanced northeast through Illinois before merging with the parent low ove northeast Wisconsin. A very sharp Arctic front moved across the state during the early morning hours of the 18th. Ahead of this front, very warm air was drawn north with surface temperatures near 60 degrees F. and dew point temperatures in the middle 50s. Thunderstorms boke out over most of the east half of the state. Behind the cold front, temperatures fell quickly into the single digits above zero on very strong northwest winds. Rain changed to freezing rain and sleet briefly before changing to snow. Icing was not a major problem due to the short period of freezing rain. High winds became a problem for all of Iowa during the predawn and morning hours of the 18th. Winds were sustained in the 30 to 45 MPH range through the entire day with numerous gusts over 55 MPH. Some of the strongest winds were reported at Sioux City with several gusts to 63 MPH. Other high gusts included 60 MPH at Algona, 59 MPH at Mason City, and 54 MPH at Waterloo and Storm Lake. Most places were buffeted by winds in excess of 50 MPH. Though not extreme, some damage occurred due to the high winds. Scattered reports were received of minor tree damage and power outages. The heaviest damage was over the northwest part of the state were trees were already ice coated from the freezing rain of the previous day. The combination of strong winds and falling temperatures lead to very cold wind chill values. Wind chill values dropped to between 45 and 65 degrees below zero over all of Iowa by the later afternoon hours. One death occurred in Butler County near Bristow. A 72 year old man became stranded and died of exposure as he attempted to walk to a nearby house for help. Snow fall across much of the state, though amounts were generally light with 1 to 4 inch amounts common. During the day, as the secondary low pressure moved northeast, heavy snow fell over the northeast counties of the state. Anywhere from 5 to 8 inches fell in a band extending from east of Marshalltown, through Waterloo, to Decorah. Some of the heavier amounts included 8.3 inches in Waterloo, 7 inches at New Hampton, and 6 inches at both Postville and Dorchester. The main problem was not the snow, which was fairly light in consistency, but the wind and cold. High winds produced blizzard conditions over all of Iowa with visibility reduced to under 1/8 mile in most areas. Many reports of whiteout conditions and near zero visibility were received from rural aras. The blizzard conditions resulted in the cancellation of most events during the afternoon and evening hours. Travel became nearly impossible across the state.

		Time Local/	Path Length	Path Width	Number of Persons		f Estimated Damage			January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	

IOWA, Central

IAZ006>011

Winnebago - Worth - Mitchell - Howard - Winneshiek - Allamakee

25 0100CST 0 0 10K Heavy Snow

A fairly weak storm system moved across northern Iowa. Actually, most of the snowfall from the storm fell to the north of the state, however heavy snowfall brushed the north tier of counties from north central into northeast Iowa. Snowfall in these areas was generally right around the 6 inch range along the Minnesota border. The heaviest total was in Decorah, with 8 inches of new snow. The snow was of the light and fluffy variety, so travel problems were minimul.

IAZ007>011-016>019-024>029-033>039-044>050-057>062-070>075-081>086-092>097 Worth - Mitchell - Howard - Winneshiek - Allamakee - Hancock - Cerro Gordo - Floyd - Chickasaw - Humboldt - Wright - Franklin - Butler - Bremer - Fayette - 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 - Wapello - Taylor - Ringgold - Decatur - Wayne - Appanoose - Davis

26 0000CST 2 0 600K Heavy Snow 2300CST

M24VE, M19VE

IAZ004>011-015>019-023>029-033>039-044>050-057>062-070>075-081>086-092>097 Emmet - Kossuth - Winnebago - Worth - Mitchell - Howard - Winneshiek - Allamakee - Palo Alto - Hancock - Cerro Gordo - Floyd - Chickasaw - Pocahontas - Humboldt - Wright - Franklin - Butler - Bremer - Fayette - 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 - Wapello - Taylor - Ringgold - Decatur - Wayne - Appanoose - Davis

 26
 1200CST
 0
 0
 50K
 Blizzard

 26
 1254CST
 0
 0
 5K
 Thunderstorm Wind (G56)

 26
 1500CST
 0
 1K
 Thunderstorm Wind (G51)

Polk County Ankeny Airport Polk County Ankeny Airport

A strong low pressure area developed over the Texas Panhandl and tracked northeast across Missouri, through southeast Iowa. Very strong dynamics were in place with the low and the result was a rather explosive development of the precipitation shield. An Arctic cold front had passed through the state the previous day, setting the stage for an extended period of over running snow. Snow broke out during the the early morning hours of the 26th and expanded rapidly over the southeast three quarters of Iowa. During the mid day hours, thunderstorms developed in many areas, especially over the central part of the state. The most intense thunderstorm activity was centered in the Des Moines area. Thunderstorms produced hail up to one half inch in diameter in Ankeny and produced a wind gust of 64 MPH just before 1300 CST. A second storm producd a 59 MPH wind gust around 1500 CST in Ankeny. Snowfall around the thunderstorms accumulated at the rate of nearly 3 inches pe hour. A broad band of heavy snow fell over southwest, into central, and northeast Iowa. The heaviest band was about 35 miles wide and extended from southwest of Des Moines, northeast to just south of Waterloo, to north of Dubuque. Snowfall in excess of 12 inches occured in this are. Some of the heavier totals included 17 inches at Derby, 15 inches in Calmar and Cascade, 14.5 inches in Lowden, 14 inches at Cascade, 13.7 inches at Johnston, Ankeny, and Webster City, and 13 inches at Carlisle, Strawberry Point, and Conrad. Many places reported around a foot of new snow. Snow tapered off on either side of the heavy snow band, however all areas received at least 4 to 6 inches, even outside of the heavy snow area. The only part of the state that received less was a small area in west central Iowa where amounts were in the 2 to 4 inch range. There were some reports of roof collapses due to the heavy accumulation of snow. One was the roof of the Vogal Paint Center in Waterloo. A 20 x 30 foot section of the roof collapsed under the weight of the snow causing an estimated \$200,000 in damage. Blizzard conditions developed by the mid day hour. North winds of 30 to 40 MPH were reported statewide, with occasional gusts to between 50 and 55 MPH. Whiteouts were reported everywhere with visibility no greater than 1/8 mile anywhere in the state. All school districts were closed, most businesses closed early, and travel became impossible. Thousands of cars and trucks were in the ditches with many thousands of people stranded or in shelters. By evening, most highways were impassible and road crews were called off the roads. Interstate 35 ws closed from Ames north to the Minnesota border. Interstate 80 was closed east of Grinnell. The Governor declared a state of emergency at 1745 CST. Snow drifts of 6 to 8 feet were common, with several reports of drifts 10 to 15 feet high. By the evening of the 26th, nearly all activity in the southeast half of the state had ceased. The storm claimed two lives near Grinnell. Two males became stranded in deep snow out on the highway. Attempting to keep out of the elements and avoid freezing to death, they succumbed to carbon monoxide poisoning. The engine of the car subsequently started on fire and they burned to death.

IAZ004>011-015>019-023>029-033>039-044>050-057>062-070>075-081>086-092>097 Emmet - Kossuth - Winnebago - Worth - Mitchell - Howard - Winneshiek - Allamakee - Palo Alto - Hancock - Cerro Gordo - Floyd - Chickasaw - Pocahontas - Humboldt - Wright - Franklin - Butler - Bremer - Fayette - 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 - Wapello - Taylor - Ringgold - Decatur - Wayne - Appanoose - Davis

28 2000CST 0 0 50K Blizzard

A strong Arctic cold front dropped southeast across Iowa during the late afternoon and evening hours. At the same time, low pressure intensified to the northeast of Iowa producing a strong pressure gradient. Some light snow fell with the passage of the cold front, but amounts wee under one quarter inch. The main problem was the high winds in the Arctic air. Winds of 30 to 45 MPH were common with occasional gusts over 50 MPH. The National Weather Service Forecast Office in Johnston for example recorded a wind gust of 53 MPH. The entire state was under a blanket of deep snow, most of which was loose. The winds picked up the snow resulting in blizzard conditions. Temperatures fell to the single digits with visibility down to 50 feet at times and wind chill values below -50 degrees F. Roads became very dangerous within a short period of time and most of the county roads and

		Time Local/	Path Length	Path Width		ber of sons	Estim Dam	age		January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	

### IOWA, Central

highways drifted shut. By morning, the situation had become bad enuogh that many school districts and some businesses across the state were closed for the day.

#### IOWA, East Central and Southeast

IAZ040>042-051>054-063>068-076>078-087>089-098>099 Buchanan - Delaware - Dubuque - Benton - Linn - Jones - Jackson - Iowa - Johnson - Cedar - Clinton - Muscatine - Scott - Keokuk - Washington - Louisa - Jefferson - Henry - Des Moines - Van Buren - Lee

18 0430CST 2000CST 0

Heavy Snow

A powerful cold front steamed through the region around sunrise dropping temperatures 20 degrees in less than half an hour. Temperatures fell from the mid 50s into the teens within a few hours and into the single digits below zero that night. Near "white-out" conditions occurred with 3-6 inches of snow. The greatest snowfall occurred across central Iowa with lesser amounts toward the Mississippi. Strong winds throughout the day dropped wind chill temperatures into the 40 to 50 below zero range.

The heavy, blowing, and drifting snow caused most schools to close with many businesses and shopping malls closing early. Surprisingly few accidents occurred on the 18th "because with all the cancellations many people have been staying in", said Sgt. Craig Lihs of the Iowa City Police Dept.

IAZ040>042-051>054-063>067-076>078-087>089-098>099 Buchanan - Delaware - Dubuque - Benton - Linn - Jones - Jackson - Iowa - Johnson - Cedar - Clinton - Muscatine - Keokuk - Washington - Louisa - Jefferson - Henry - Des Moines - Van Buren - Lee

26 0400CST 0400CST 0 0

Winter Stori

A winter storm system moving northeast over the Mississippi river brought nearly 10 inches of snow to portions of east central Iowa, with snowfall diminishing to 3-6 inches near the Mississippi river. Schools were cancelled due to extreme blowing and drifting of snow. During the afternoon and evening winds of 20 to 30 mph became even stronger and the Winter Storm Warning was upgraded to a Blizzard Warning for many Iowa counties. Numerous motorists were stranded on highways and interstates and a State of Emergency was declared, by the Governor. The State of Emergency mobilized National Guard units to assist local Law Enforcement in the rescue of stranded motorists.

In Cedar Rapids this Winter Storm was followed by a 3 day clean up. This effort was estimated by Don Thomas, the Cedar Rapids Commissioner of Streets, to have cost \$100,000 and required 60 persons to work around the clock.

Schools were either closed early or cancelled on this Friday the 26th, and despite massive clean up efforts, most schools remained closed on Monday. Those schools that did try to go on the 26th experienced significant problems. In Mount Vernon, schools were on a delayed start. The busses where then sent out but as the weather continued to worsen, the decission was made to cancel school. So before the busses made it to school they were returning children to their homes. One bus, after cancellation, about 845 am slid off the snowy road into the ditch. No children were injured and a second bus was sent out to take them home.

IAZ040>042-051>054-063>064 Buchanan - Delaware - Dubuque - Benton - Linn - Jones - Jackson - Iowa - Johnson

26 1410CST 27 0400CST 0 0

Blizzard

A Blizzard Warning was issued in the middle of a major winter storm as winds which had been 20-30 mph were forecast to increase into the 30 to 40 mph range with gusts to 50 mph. This combinded with continued heavy snow (see the Winter Storm for the same time) produced extreme blowing and drifting of snow. A State of Emergency was issued by the Governor of Iowa. This brought the aid of the Iowa National Gaurd to local Law Enforcement, which was already involved in rescuing numerous stranded motorists.

Mount Vernon tried to go with a late start on schools. While the busses where out to pick up the children, the weather continued to worsen. Before the children made it to school, school was cancelled and all the busses were told to begin to take the children back home. At about 845 am, while trying to stop at the intersection, one school bus slid off the snow-covered road into the ditch. No children were injured and a second bus was sent to take the children home.

Iowa State Climatologist, Harry Hillaker, called this the worst blizzard for central Iowa since April 8-9th 1973.

Cedar Rapids was hard hit by the blizzard and a three day, round the clock, clean up effort followed after the blizzard. Don Thomas, the Cedar Rapids Commissioner of Streets, estimated the cost of the clean up at \$100,000.

IAZ040>042-051>054-063>068-076>078-087>089-098>099 Buchanan - Delaware - Dubuque - Benton - Linn - Jones - Jackson - Iowa - Johnson - Cedar - Clinton - Muscatine - Scott - Keokuk - Washington - Louisa - Jefferson - Henry - Des Moines - Van Buren - Lee

30 2000CST 31 2359CST 0 0

**Extreme Cold** 

After major winter storms on the 19th and 26th a blanket of thick snow lay across much of the area. A re-enforcing shot of cold air pushed over the area on the 30th and took temperatures below zero through the first few days of February. All time record low temperatures occurred at many locations during a 6 day period. Record lows ranged from -25 to -32 for 2 to 3 nights, with highs reaching only -10 to -15 degrees during the day for 2 to 3 days.

### IOWA, Northeast

		Time	Path	Path	Number	of	Estimated	January 1996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed In		Damage Property Crops	Character of Storm
IOWA, Northwest		Stundard	()	(14145)			roperty crops	
IAZ001>003-012>013-	Lyon - Osc	eola - Dickins	on - Sioux -	O'Brien - I	Plymouth			
	17	1700CST			0	0	230K	Ice Storm
	failures, forced th	including brok nose without po	ken pipes. So wer and hear	trong winds t to seek oth	following the er shelter.	freezing	rain added to the	irect damage occurred because of power e damage. Very cold wind chill readings
IAZ001>003-012>014- 020>022-031>032	Lyon - Osc	eola - Dickins	on - Sioux -	O'Brien - (	Clay - Plymout		rokee - Buena Vis	sta - Woodbury - Ida
	29 31	0900CST 2359CST	ana winda as	ambinad to a	0	0	es as asld as 70 hal	Extreme Windchill
IOWA, Southwest	Bitterry	colu ali aliu su	ong winds co	ombined to c	reate wind cim	ii reading	gs as cold as 70 bel	low zero.
IAZ043-055>056-069- 079>080-090>091	Monona - l	Harrison - She	elby - Pottav	vattamie - I	Mills - Montgo	mery - I	Fremont - Page	
0.22 000 020 021	17 19	1900CST 0300CST			0	0		Extreme Windchill
	around f temperat temperat	of Arctic air invercezing. By lactures in the 50 cures and was a	te afternoon, s over much accompanied	a large tem of extreme by sustaine	perature gradie southwestern d winds from 3	nt had be Iowa. 7 30 to 40	een established wi The strong cold fr mph with gusts to	arted out with dense fog and temperatures th freezing drizzle at Missouri Valley and ont moved through the area plummeting of 60 mph. Light rain preceded the frontal ersisted for 30 hours.
KANSAS, East KSZ008>012-020>024- 026-034>040-054>056-	Republic -	Washington -	Marshall -	Nemaha - I	Brown - Cloud	- Clay -	Riley - Pottawat	omie - Jackson - Jefferson - Ottawa - in - Coffey - Anderson
058>059	17	2000CST			0	0		Winter Storm
	18 The wor	2200CST	in veere ble	etad across	northcentral an	d northe	act Kancac haginn	ing Wednesday night and continuing into
	consider temperat readings business	able drifting s tures in the 50s ranged from 4	and 60s ahe to 60 belooth Thursda	vinds continated of the coow zero. Truey and again	nued well after ld front plumm avel was diffic Friday, the 19	r the sno ented int cult, if no	ow had ended ca to the teens about a ot impossible in s	lizzard conditions with zero visibility and ausing blowing and drifting snow. Mild an hour later. At the same time, wind chill ome rural areas while many schools and urred to roofs, buildings and homes with
KSZ039	Shawnee							
	17	2130CST 2132CST			0	0	75K	High Wind (G55)
	an adjac front has	nds accompany ent roller ring mpered cleanu	near 10th ar	nd Fairlawn I more dama	Freezing rainage to plants, f	, sleet, si lowers a	now and rapidly o	caused roof damage to a green house and dropping temperatures in the wake of the objects. Near blizzard conditions lingered 60 below at times.
KSZ008	Republic	1100 CCT			0	0	<b>501</b> 7	H' 1 W' 1 (052)
	buuildin of the fr	gs. Scattered pont. The cold to	ower outage emperatures	es were also and wind cl	reported. Blizz nills of 40 to 60	ard cond ) below:	itions and rapidly zero caused water	High Wind (G52)  ns and causing roof damage to a some falling temperatures occurred in the wake pipes to freeze in several areas including I in other locations around the county.
KSZ012	Brown							
	_							<b>High Wind (G50)</b> aused damage to some homes, buildings, elow zero at times, as winds gusted to 60
KANSAS, Extreme Soi	-							
•		REPORTED.						
KANSAS, North Centr								
KSZ005>007-017>019	17 18 A very s	-	orm brought	blizzard co	0 nditions to parts			Blizzard Only 4 or less inches of snow fell across
	readings	near zero. Thi	is produced v	wind chills o	of 50 to 60 belo	w. Most	of the snowfall w	0 degrees at the beginning of the event to as over during the early morning hours of erious injuries were directly related to this

KANSAS, Northeast

blizzard.

	_	Time Local/	Path Length	Path Width	Per	ber of sons	Estin Dan	age	January
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm
KANSAS, Northeast KANSAS, Northwest									
KSZ001>004-013>016-	Chevenne -	. Rawling - De	ecatur - Nort	ton - Sherma	n - Thom	as - Sheri	dan - Gral	ham <b>-</b> Wall	ace - Logan - Gove - Greeley -
027>029-041>042	Wichita	- Rawins - De	- 11011	ion - Sherma	1110111	us - Silci i	uan - Ora		ace - Logan - Gove - Greency -
	17 18	1200CST			0	0			High Wind (G56)
		0300CST nds and extren	ne cold hit th	ne area during	midday	and lasted	through ea	rly morning	g. Winds over 60 mph damaged
	-	es, and fences					_		
TZANICAC Constitution									
KANSAS, Southeast KSZ083	Sedgwick								
KOZ003	02	1800CST			1	1	8K	0	Winter Storm
	F20VE								
KANSAS, Southwest	m raus	· G 44 T	N. D		4 17	T-1	** 1	D	
KSZ030>031-043>046- 061>066-074>081-						•			vnee - Stafford - Stanton - Grar Clark - Comanche - Barber
084>090		1014 1	24,,414,5		1,101,011	500,011	50	1,100,00	omin committee burser
	17 18	1700CST 0900CST			1	0	200K		High Wind (G61)
			own off the ro	oad. Many str	uctures wi	ith roof da	mage. Nur	nerous pow	er outages. F23VE
KSZ063-078-080-090	•	ord - Kiowa -	Barber						
	28	1824CST 2300CST			0	0			High Wind (G61)
	Lots of to	opsoil blown a	way.						
KENTUCKY, Central									
KYZ023>068-070>085				•					n - Trimble - Henry - Shelby -
			-						olas - Fleming - Nelson - Washir arrard - Madison - Estill - Pow
			aaik - miuni					-	
	Menifee - E	Butler - Edmo	nson - Hart	- Green - Ta					gan - Warren - Simpson - Allen
	Menifee - E Barren - M	Butler - Edmo Ionroe - Metca	nson - Hart	- Green - Ta	ılaski - La	aurel - Cu			Wayne - Mccreary - Whitley
	Menifee - E	Butler - Edmo	nson - Hart	- Green - Ta					
	Menifee - F Barren - M 06 07 A major	Butler - Edmo lonroe - Metca 1500EST 0600EST snow storm h	nson - Hart alfe - Adair it Kentucky	- Green - Ta - Russell - Pt on January 6	llaski - La 0 -7, 1996.	aurel - Cu 0 The snow	mberland began arou	- Clinton -	Wayne - Mccreary - Whitley Heavy Snow at and effected all of the counties
	Menifee - F Barren - M 06 07 A major Louisvill	Butler - Edmo Ionroe - Metca 1500EST 0600EST snow storm h le CWA before	nson - Hart alfe - Adair it Kentucky e it stopped S	- Green - Ta - Russell - Pu on January 6 Sunday afterno	llaski - La 0 -7, 1996.	The snow neavy snow	mberland began arou v began aro	- Clinton - and noon esound 1500 e	Wayne - Mccreary - Whitley Heavy Snow at and effected all of the counties st on the 6th and ended around 6
	Menifee - F Barren - M 06 07 A major Louisvill on the 7	Sutler - Edmo Ionroe - Metca 1500EST 0600EST snow storm h le CWA before th. A strong de	nson - Hart alfe - Adair it Kentucky e it stopped S ouble-barrele	- Green - Ta - Russell - Pu on January 6 Sunday afterned low pressu	11aski - La 0 -7, 1996. 2000. The hare system	The snow neavy snow moved fr	mberland began arou began arou began arou om the Gu	- Clinton - and noon es bund 1500 e	Wayne - Mccreary - Whitley Heavy Snow at and effected all of the counties
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	Menifee - E Barren - M 06 07 A major Louisvill on the 7 Carolina and 6 inc	Butler - Edmo lonroe - Metca 1500EST 0600EST snow storm h le CWA before th. A strong de coast by the a ches of snow fe across their re	nson - Hart alfe - Adair it Kentucky e it stopped S ouble-barrele fternoon of t ell across the spective cour	- Green - Ta - Russell - Pu on January 6- Sunday afterned dol low pressu he 7th. The si c CWA by 200 nties, while S	-7, 1996. The hare system now because 30 est. Me pencer Co	The snow neavy snow moved from light areade, Brechounty led the	began aroust began aroust began aroust began aroust began aroust began aroust began the Guid moved Exinridge, Lue way with	and noon es bund 1500 e If states on Cast of the Carue, Bullitt 17 inches o	Wayne - Mccreary - Whitley Heavy Snow  It and effected all of the counties st on the 6th and ended around 6 is the 6th to Georgia and then the EWA by 0000 est on the 8th. Between the and Hardin Counties all reported f accumulation. By 0200 est, between
	Menifee - E Barren - M 06 07 A major Louisvill on the 7 Carolina and 6 inc 6 inches and 12 in	Butler - Edmo lonroe - Metca 1500EST 0600EST snow storm h le CWA before th. A strong d coast by the a ches of snow fe across their re nech total accur	nson - Hart alfe - Adair it Kentucky e it stopped S ouble-barrele fternoon of t ell across the spective coun	on January 6- Sunday afterneed low pressure the 7th. The size CWA by 200 nties, while S re reported. C	-7, 1996. oon. The hare system now becan 30 est. Me pencer Co Green and	The snow neavy snow moved from light areade, Brechunty led the Laurel country led to the same same same same same same same sam	began aroust began aroust began aroust began aroust began aroust distributed by the way with anties had	- Clinton - and noon es bund 1500 e If states on east of the C arue, Bullitt 17 inches o 12 inches. E	Wayne - Mccreary - Whitley Heavy Snow  It and effected all of the counties st on the 6th and ended around 6 is the 6th to Georgia and then the EWA by 0000 est on the 8th. Between the and Hardin Counties all reported f accumulation. By 0200 est, between By 0600 est on the 7th, totals were
	Menifee - E Barren - M 06 07 A major Louisvill on the 7 Carolina and 6 inc 6 inches and 12 in 6 inches	Butler - Edmo lonroe - Metca 1500EST 0600EST snow storm h le CWA before the A strong d coast by the a ches of snow fe across their re nech total accur at several loca	nson - Hart alfe - Adair it Kentucky e it stopped S ouble-barrele ffernoon of t ell across the spective coun nulations we ttions to 16 in	on January 6- Sunday afterneed low pressure he 7th. The site CWA by 20: nties, while S re reported. Conches in Laur	-7, 1996. Soon. The Bure system now because 30 est. Me pencer Co Green and el County	The snow neavy snow moved fr ne light areade, Brechounty led the Laurel course. Totals we	began aroust began	and noon esound 1500 e lf states on east of the Carue, Bullitt 17 inches o 12 inches. Et to 12 inches	Wayne - Mccreary - Whitley Heavy Snow  It and effected all of the counties st on the 6th and ended around 6 is the 6th to Georgia and then the EWA by 0000 est on the 8th. Between the and Hardin Counties all reported f accumulation. By 0200 est, between
	Menifee - E Barren - M 06 07 A major Louisvill on the 7 Carolina and 6 inc 6 inches and 12 in 6 inches inches ac	Butler - Edmo lonroe - Metca 1500EST 0600EST snow storm h le CWA before the A strong d coast by the a ches of snow fe across their re nech total accur at several loca	nson - Hart alfe - Adair it Kentucky e it stopped S ouble-barrele fiternoon of t ell across the spective counulations we utions to 16 in ntral Kentuc	on January 6-Sunday afterneed low pressure he 7th. The site CWA by 200 nties, while S re reported. Conches in Laurky to 6 to 12	-7, 1996. coon. The bure system now becar 30 est. Me pencer Co Green and el County tinches ac	The snow neavy snow moved from light an eade, Brechounty led the Laurel cook. Totals we cross north	began aroust began	and noon esound 1500 e lf states on east of the Carue, Bullitt 17 inches o 12 inches. Et to 12 inches	the and effected all of the counties st on the 6th and ended around 6 the 6th to Georgia and then the 6th to Georgia and then the 6th was 40000 est on the 8th. Between the 6th CWA by 0000 est on the 8th. Between the 6th CWA by 0000 est on the 8th. Between the 6th CWA by 0000 est on the 7th, totals were started with the 6th CWA by 0600 est on the 7th, totals were started when the 6th CWA by 0600 est on the 7th, totals were started when the 6th CWA by 0600 est on the 7th, totals were started when the 6th CWA by 0600 est on the 7th, totals were started when the 6th CWA by 0600 est on the 7th, totals were started when the 6th CWA by 0600 est on the 7th, totals were started when the 6th CWA by 0600 est on the 7th, totals were started when the 6th CWA by 0600 est on the 7th, totals were started when the 6th CWA by 0600 est on the 7th, totals were started when the 6th CWA by 0600 est on the 7th, totals were started when the 6th CWA by 0600 est on the 6th CWA by 0600 est on the 8th CWA
KY <b>7</b> 029	Menifee - E Barren - M 06 07 A major Louisvill on the 7 Carolina and 6 inc 6 inches and 12 ir 6 inches inches ac 0600 est.	Butler - Edmo lonroe - Metca 1500EST 0600EST snow storm h le CWA before th. A strong d coast by the a ches of snow fe across their re net total accur at several loca cross south ce	nson - Hart alfe - Adair it Kentucky e it stopped S ouble-barrele fiternoon of t ell across the spective counulations we utions to 16 in ntral Kentuc	on January 6-Sunday afterneed low pressure he 7th. The site CWA by 200 nties, while S re reported. Conches in Laurky to 6 to 12	-7, 1996. coon. The bure system now becar 30 est. Me pencer Co Green and el County tinches ac	The snow neavy snow moved from light an eade, Brechounty led the Laurel cook. Totals we cross north	began aroust began	and noon esound 1500 e lf states on east of the Carue, Bullitt 17 inches o 12 inches. Et to 12 inches	the Accreary - Whitley Heavy Snow  It and effected all of the counties st on the 6th and ended around 6 at the 6th to Georgia and then the EWA by 0000 est on the 8th. Betw thand Hardin Counties all reported f accumulation. By 0200 est, betw By 0600 est on the 7th, totals were st across east central Kentucky to 7
KYZ029	Menifee - E Barren - M 06 07 A major Louisvill on the 7 Carolina and 6 inc 6 inches and 12 in 6 inches inches ac	Butler - Edmo lonroe - Metca 1500EST 0600EST snow storm h le CWA before th. A strong d coast by the a ches of snow fe across their re net total accur at several loca cross south ce	nson - Hart alfe - Adair it Kentucky e it stopped S ouble-barrele fiternoon of t ell across the spective counulations we utions to 16 in ntral Kentuc	on January 6-Sunday afterneed low pressure he 7th. The site CWA by 200 nties, while S re reported. Conches in Laurky to 6 to 12	-7, 1996. coon. The bure system now becar 30 est. Me pencer Co Green and el County tinches ac	The snow neavy snow moved from light an eade, Brechounty led the Laurel cook. Totals we cross north	began aroust began	and noon esound 1500 e lf states on east of the Carue, Bullitt 17 inches o 12 inches. Et to 12 inches	the Accreary - Whitley Heavy Snow  It and effected all of the counties st on the 6th and ended around 6 at the 6th to Georgia and then the EWA by 0000 est on the 8th. Betw thand Hardin Counties all reported f accumulation. By 0200 est, betw By 0600 est on the 7th, totals were st across east central Kentucky to 7
	Menifee - E Barren - M 06 07 A major Louisvill on the 7 Carolina and 6 inc 6 inches and 12 ir 6 inches inches ac 0600 est.  Bullitt 18	Butler - Edmo Ionroe - Metca 1500EST 0600EST snow storm h le CWA before th. A strong d coast by the a ches of snow fe across their re nch total accur at several loca cross south ce Laurel Count	nson - Hart alfe - Adair it Kentucky e it stopped S ouble-barrele fternoon of t ell across the spective coun nulations we ations to 16 in ntral Kentuc y still led the	on January 6-Sunday afterneed low pressure he 7th. The site CWA by 200 nties, while S re reported. Conches in Laurky to 6 to 12	-7, 1996. oon. The horn system now becan 30 est. Me pencer Correen and el County inches an inches in	The snow neavy snoved from light an eade, Breclounty led the Laurel control of the control of th	began aroust began	and noon esound 1500 e lf states on east of the Carue, Bullitt 17 inches o 12 inches. Et to 12 inches	Wayne - Mccreary - Whitley Heavy Snow  It and effected all of the counties st on the 6th and ended around 6 a the 6th to Georgia and then the TWA by 0000 est on the 8th. Betw t and Hardin Counties all reported f accumulation. By 0200 est, betw By 0600 est on the 7th, totals were st across east central Kentucky to 7 title additional snow was reported
KYZ029 KYZ054	Menifee - E Barren - M 06 07 A major Louisvill on the 7 Carolina and 6 inches and 12 ir 6 inches inches ac 0600 est.  Bullitt 18 47 mph g Marion	Butler - Edmo lonroe - Metca 1500EST 0600EST snow storm h le CWA before th. A strong de coast by the a ches of snow for across their re nech total accur at several loca cross south ce Laurel County	nson - Hart alfe - Adair it Kentucky e it stopped S ouble-barrele fternoon of t ell across the spective coun nulations we ations to 16 in ntral Kentuc y still led the	on January 6-Sunday afterneed low pressure he 7th. The site CWA by 200 nties, while S re reported. Conches in Laurky to 6 to 12	-7, 1996. oon. The horn re system now becan 30 est. Me pencer Co freen and el County tinches au inches in	The snow neavy snove moved from light are reade, Brechounty led the Laurel cook. Totals we cross north spots.	began aroust began	and noon esound 1500 e lf states on east of the Carue, Bullitt 17 inches o 12 inches. Et to 12 inches	Wayne - Mccreary - Whitley Heavy Snow  It and effected all of the counties st on the 6th and ended around 6: the 6th to Georgia and then the EWA by 0000 est on the 8th. Betw and Hardin Counties all reported f accumulation. By 0200 est, betw By 0600 est on the 7th, totals were st across east central Kentucky to 7 title additional snow was reported  High Wind (G41)
	Menifee - E Barren - M 06 07 A major Louisvill on the 7 Carolina and 6 inches and 12 ir 6 inches inches ac 0600 est.  Bullitt 18 47 mph g Marion 18	Butler - Edmo lonroe - Metca 1500EST 0600EST snow storm h le CWA before th. A strong d coast by the a ches of snow fo across their re neth total accur at several loca cross south ce Laurel County  1245EST gust from grad	it Kentucky e it stopped S ouble-barrele fternoon of t ell across the spective coun nulations we ations to 16 in ntral Kentuc y still led the	on January 6-Sunday afterned low pressure 7th. The site CWA by 20 inties, while Stre reported. Conches in Laurky to 6 to 12 way with 16	1-7, 1996. On The Fore system now becar 30 est. Me pencer Co Green and el County d'inches au inches in	The snow neavy snow moved from light are tade, Brechounty led the Laurel control of the tage of tage o	began aroust	- Clinton - und noon es ound 1500 e If states on East of the C arue, Bullitt 17 inches o 12 inches. E to 12 inches entucky. Li	Wayne - Mccreary - Whitley Heavy Snow  It and effected all of the counties st on the 6th and ended around 6 is the 6th to Georgia and then the EWA by 0000 est on the 8th. Between the and Hardin Counties all reported f accumulation. By 0200 est, between By 0600 est on the 7th, totals were stacross east central Kentucky to 7 ittle additional snow was reported  High Wind (G41)  High Wind (G50)
	Menifee - E Barren - M 06 07 A major Louisvill on the 7 Carolina and 6 inches and 12 ir 6 inches inches ac 0600 est.  Bullitt 18 47 mph g Marion 18	Butler - Edmo lonroe - Metca 1500EST 0600EST snow storm h le CWA before th. A strong d coast by the a ches of snow fo across their re neth total accur at several loca cross south ce Laurel County  1245EST gust from grad	it Kentucky e it stopped S ouble-barrele fternoon of t ell across the spective coun nulations we ations to 16 in ntral Kentuc y still led the	on January 6-Sunday afterned low pressure 7th. The site CWA by 20 inties, while Stre reported. Conches in Laurky to 6 to 12 way with 16	1-7, 1996. On The Fore system now becar 30 est. Me pencer Co Green and el County d'inches au inches in	The snow neavy snow moved from light are tade, Brechounty led the Laurel control of the tage of tage o	began aroust	- Clinton - und noon es ound 1500 e If states on East of the C arue, Bullitt 17 inches o 12 inches. E to 12 inches entucky. Li	Wayne - Mccreary - Whitley Heavy Snow  It and effected all of the counties st on the 6th and ended around 6: the 6th to Georgia and then the EWA by 0000 est on the 8th. Betw and Hardin Counties all reported f accumulation. By 0200 est, betw By 0600 est on the 7th, totals were st across east central Kentucky to 7 title additional snow was reported  High Wind (G41)
KYZ054	Menifee - E Barren - M 06 07 A major Louisvill on the 7 Carolina and 6 inc 6 inches and 12 in 6 inches inches ac 0600 est.  Bullitt 18 47 mph g Marion 18 A tree fe Marion 18	Butler - Edmo lonroe - Metca 1500EST 0600EST snow storm h le CWA before th. A strong de coast by the a ches of snow fe across their re nech total accur- at several local cross south ce Laurel County  1245EST gust from grad  1255EST ll on two mobi-	it Kentucky e it stopped S ouble-barrele fternoon of t ell across the spective coun nulations we titions to 16 in ntral Kentuc y still led the ient wind	- Green - Ta - Russell - Pu on January 6 Gunday afterneed low pressu he 7th. The si c CWA by 20 nties, while S re reported. C nches in Laur ky to 6 to 12 c way with 16	1-1, 1996. 1-2, 1996.	The snow neavy snow moved from light are tade, Brechounty led the Laurel control of the tage of tage o	began aroust	- Clinton - und noon es ound 1500 e If states on East of the C arue, Bullitt 17 inches o 12 inches. E to 12 inches entucky. Li	Wayne - Mccreary - Whitley Heavy Snow  It and effected all of the counties st on the 6th and ended around 6 is the 6th to Georgia and then the EWA by 0000 est on the 8th. Between the and Hardin Counties all reported f accumulation. By 0200 est, between By 0600 est on the 7th, totals were stacross east central Kentucky to 7 ittle additional snow was reported  High Wind (G41)  High Wind (G50)
KYZ054 KYZ054	Menifee - E Barren - M 06 07 A major Louisvill on the 7 Carolina and 6 inc 6 inches and 12 in 6 inches inches ac 0600 est.  Bullitt 18 47 mph g Marion 18 A tree fe Marion 18 Power of	Butler - Edmo lonroe - Metca 1500EST 0600EST snow storm h le CWA before th. A strong de coast by the a ches of snow for across their re nech total accur at several loca cross south ce Laurel County  1245EST gust from grad  1255EST ll on two mobil	it Kentucky e it stopped S ouble-barrele fternoon of t ell across the spective coun nulations we titions to 16 in ntral Kentuc y still led the ient wind	- Green - Ta - Russell - Pu on January 6 Gunday afterneed low pressu he 7th. The si c CWA by 20 nties, while S re reported. C nches in Laur ky to 6 to 12 c way with 16	1-1, 1996. 1-2, 1996.	The snow neavy snow moved from light are tade, Brechounty led the Laurel control of the taurel controls we cross north spots.	began aroust	- Clinton - und noon es ound 1500 e If states on East of the C arue, Bullitt 17 inches o 12 inches. E to 12 inches entucky. Li	Wayne - Mccreary - Whitley Heavy Snow  It and effected all of the counties st on the 6th and ended around 6 is the 6th to Georgia and then the EWA by 0000 est on the 8th. Between the and Hardin Counties all reported f accumulation. By 0200 est, between By 0600 est on the 7th, totals were st across east central Kentucky to 7 title additional snow was reported  High Wind (G41)  High Wind (G50) wn. Relayed from county dispatch
KYZ054	Menifee - E Barren - M 06 07 A major Louisvill on the 7 Carolina and 6 inc 6 inches and 12 in 6 inches inches ac 0600 est.  Bullitt 18 47 mph g Marion 18 A tree fe Marion 18	Butler - Edmo lonroe - Metca 1500EST 0600EST snow storm h le CWA before th. A strong de coast by the a ches of snow fe across their re nech total accurat several local cross south ce Laurel Count  1245EST gust from grad  1255EST Il on two mobil  1315EST utages associat	it Kentucky e it stopped S ouble-barrele fternoon of t ell across the spective coun nulations we titions to 16 in ntral Kentuc y still led the ient wind	- Green - Ta - Russell - Pu on January 6 Gunday afterneed low pressu he 7th. The si c CWA by 20 nties, while S re reported. C nches in Laur ky to 6 to 12 c way with 16	1-1, 1996. 1-2, 1996.	The snow neavy snow moved from light are tade, Brechounty led the Laurel control of the taurel controls we cross north spots.	began aroust	- Clinton - und noon es ound 1500 e If states on East of the C arue, Bullitt 17 inches o 12 inches. E to 12 inches entucky. Li	Wayne - Mccreary - Whitley Heavy Snow  It and effected all of the counties set on the 6th and ended around 6 is the 6th to Georgia and then the EWA by 0000 est on the 8th. Between the and Hardin Counties all reported fraccumulation. By 0200 est, between By 0600 est on the 7th, totals were set across east central Kentucky to 2 title additional snow was reported  High Wind (G41)  High Wind (G50) wn. Relayed from county dispatch  High Wind (G40)
KYZ054 KYZ054	Menifee - E Barren - M 06 07 A major Louisvill on the 7 Carolina and 6 inc 6 inches and 12 in 6 inches inches ac 0600 est.  Bullitt 18 47 mph g Marion 18 A tree fe Marion 18 Power of Taylor 18	Butler - Edmo lonroe - Metca 1500EST 0600EST snow storm h le CWA before th. A strong de coast by the a ches of snow fe across their re nech total accur- at several local cross south ce Laurel County  1245EST gust from grad  1255EST ll on two mobi-	it Kentucky e it stopped S ouble-barrele fternoon of t ell across the spective coun nulations we ttions to 16 in ntral Kentuc y still led the ient wind ite homes and	- Green - Ta - Russell - Pu on January 6- Gunday afterne ed low pressu he 7th. The si e CWA by 20 nties, while S re reported. C nches in Laur ky to 6 to 12 e way with 16	-7, 1996. Ooon. The horn system now becars 30 est. Me pencer Co Green and el County inches ac inches in 0 m over. P	The snow neavy snow moved from light areade, Breclounty led the Laurel control of the control of	began aroust	- Clinton - und noon es ound 1500 e If states on East of the C arue, Bullitt 17 inches o 12 inches. E to 12 inches entucky. Li	Wayne - Mccreary - Whitley Heavy Snow  It and effected all of the counties st on the 6th and ended around 6 is the 6th to Georgia and then the EWA by 0000 est on the 8th. Between the and Hardin Counties all reported f accumulation. By 0200 est, between By 0600 est on the 7th, totals were st across east central Kentucky to 7 title additional snow was reported  High Wind (G41)  High Wind (G50) wn. Relayed from county dispatch
KYZ054 KYZ054	Menifee - E Barren - M 06 07 A major Louisvill on the 7 Carolina and 6 inc 6 inches and 12 in 6 inches inches ac 0600 est.  Bullitt 18 47 mph g Marion 18 Power of Taylor 18 Gradient Hardin	Butler - Edmo lonroe - Metca 1500EST 0600EST snow storm h le CWA before th. A strong decoast by the a ches of snow fe across their re- nech total accur- at several local cross south ce. Laurel County  1245EST gust from grad  1255EST that ages associat  1315EST winds knocke	it Kentucky e it stopped S ouble-barrele fternoon of t ell across the spective coun nulations we ttions to 16 in ntral Kentuc y still led the ient wind ite homes and	- Green - Ta - Russell - Pu on January 6- Gunday afterne ed low pressu he 7th. The si e CWA by 20 nties, while S re reported. C nches in Laur ky to 6 to 12 e way with 16	llaski - La 0  -7, 1996. 'oon. The hare system now became to be care and the county of	The snow heavy snow heavy snow and the light are heade, Breclaunty led the Laurel control of the light and the light are heade, Breclaunty led the Laurel control of the light are headed. Totals we cross north spots.	began aroust	- Clinton - und noon es ound 1500 e If states on East of the C arue, Bullitt 17 inches o 12 inches. E to 12 inches entucky. Li	Wayne - Mccreary - Whitley Heavy Snow  It and effected all of the counties set on the 6th and ended around 6 is the 6th to Georgia and then the EWA by 0000 est on the 8th. Between the and Hardin Counties all reported for accumulation. By 0200 est, between the set of accumulation in the first of the set of t
KYZ054  KYZ054  KYZ065	Menifee - E Barren - M 06 07 A major Louisvill on the 7 Carolina and 6 inches and 12 ir 6 inches inches ac 0600 est.  Bullitt 18 47 mph g Marion 18 A tree fe Marion 18 Power or Taylor 18 Gradient Hardin 18	Butler - Edmo lonroe - Metca 1500EST 0600EST snow storm h le CWA before th. A strong decoast by the a ches of snow for across their re nech total accur at several loca cross south ce Laurel County  1245EST gust from grad  1255EST utages associat  1315EST winds knocke  1330EST	it Kentucky e it stopped S ouble-barrele fternoon of t ell across the spective coun nulations we ations to 16 in nural Kentuc y still led the ient wind ide homes and	- Green - Ta - Russell - Pu on January 6 Sunday afternood low pressulate 7th. The site CWA by 20 nties, while S re reported. Concerns in Laure ky to 6 to 12 way with 16 d knocked the y gradient wire er lines.	on. The hard seems of the seems	The snow heavy snow heavy snow moved from light are heade, Breclannty led the Laurel control of the control of	began aroust	- Clinton - und noon es ound 1500 e If states on East of the C arue, Bullitt 17 inches o 12 inches. E to 12 inches entucky. Li	Wayne - Mccreary - Whitley Heavy Snow  It and effected all of the counties set on the 6th and ended around 6 is the 6th to Georgia and then the EWA by 0000 est on the 8th. Between the and Hardin Counties all reported fraccumulation. By 0200 est, between By 0600 est on the 7th, totals were set across east central Kentucky to 2 title additional snow was reported  High Wind (G41)  High Wind (G50) wn. Relayed from county dispatch  High Wind (G40)
KYZ054  KYZ054  KYZ065	Menifee - E Barren - M 06 07 A major Louisvill on the 7 Carolina and 6 inches and 12 ir 6 inches inches ac 0600 est.  Bullitt 18 47 mph g Marion 18 A tree fe Marion 18 Power or Taylor 18 Gradient Hardin 18	Butler - Edmo Ionroe - Metca 1500EST 0600EST snow storm h le CWA before th. A strong decoast by the a ches of snow for across their re each total accur at several loca cross south ce. Laurel County 1245EST gust from grad 1255EST It on two mobil 1315EST utages associat 1315EST winds knocke 1330EST blown off roo	it Kentucky e it stopped S ouble-barrele fternoon of t ell across the spective coun nulations we ations to 16 in nural Kentuc y still led the ient wind ide homes and	- Green - Ta - Russell - Pu on January 6 Sunday afternood low pressulate 7th. The site CWA by 20 nties, while S re reported. Concerns in Laure ky to 6 to 12 way with 16 d knocked the y gradient wire er lines.	on. The hard seems of the seems	The snow heavy snow heavy snow moved from light are heade, Breclannty led the Laurel control of the control of	began aroust	- Clinton - und noon es ound 1500 e If states on East of the C arue, Bullitt 17 inches o 12 inches. E to 12 inches entucky. Li	Wayne - Mccreary - Whitley Heavy Snow  It and effected all of the counties set on the 6th and ended around 6 is the 6th to Georgia and then the EWA by 0000 est on the 8th. Between the and Hardin Counties all reported for accumulation. By 0200 est, between the set of accumulation in the first of the set of t
KYZ054  KYZ054  KYZ065  KYZ028	Menifee - E Barren - M 06 07 A major Louisvill on the 7 Carolina and 6 inches and 12 ir 6 inches inches ac 0600 est.  Bullitt 18 47 mph g Marion 18 A tree fe Marion 18 Power or Taylor 18 Gradient Hardin 18 Shingles Breckinridg 18	Butler - Edmo Ionroe - Metca 1500EST 0600EST snow storm h le CWA before th. A strong decoast by the a ches of snow for across their result total accurate several locators south ce. Laurel County 1245EST gust from grad 1255EST Ill on two mobil 1315EST winds knocke 1330EST blown off roo ge 1340EST	it Kentucky e it stopped S ouble-barrele fternoon of t ell across the spective coun nulations we ations to 16 in ntral Kentuc y still led the ient wind ide homes and red with gusty d down power f by gradient	- Green - Ta - Russell - Pu on January 6 Gunday afterned low pressu he 7th. The si c CWA by 20 nties, while S re reported. C nches in Laur ky to 6 to 12 c way with 16 d knocked the y gradient wir er lines.	1-7, 1996. On The Fore system now because of the pencer Co Green and el County de inches au inches in the pencer Polymer of the pencer of the pencer Co Green and el County de inches au inches in the pencer Polymer of the pencer of the pence	The snow neavy snow moved from light are tade, Brechounty led the Laurel control of the tage of tage o	began aroust	- Clinton - und noon es ound 1500 e If states on East of the C arue, Bullitt 17 inches o 12 inches. E to 12 inches entucky. Li	Wayne - Mccreary - Whitley Heavy Snow  It and effected all of the counties set on the 6th and ended around 6 is the 6th to Georgia and then the EWA by 0000 est on the 8th. Between the and Hardin Counties all reported for accumulation. By 0200 est, between the set of accumulation in the first of the set of t
KYZ054  KYZ054  KYZ065  KYZ028	Menifee - E Barren - M 06 07 A major Louisvill on the 7 Carolina and 6 inches and 12 ir 6 inches inches ac 0600 est.  Bullitt 18 47 mph g Marion 18 A tree fe Marion 18 Power or Taylor 18 Gradient Hardin 18 Shingles Breckinridg 18	Butler - Edmo Ionroe - Metca 1500EST 0600EST snow storm h le CWA before th. A strong decoast by the a ches of snow for across their re each total accur at several loca cross south ce. Laurel County  1245EST gust from grad  1255EST Ill on two mobil  1315EST winds knocke  1330EST blown off roo ge	it Kentucky e it stopped S ouble-barrele fternoon of t ell across the spective coun nulations we ations to 16 in ntral Kentuc y still led the ient wind ide homes and red with gusty d down power f by gradient	- Green - Ta - Russell - Pu on January 6 Gunday afterned low pressu he 7th. The si c CWA by 20 nties, while S re reported. C nches in Laur ky to 6 to 12 c way with 16 d knocked the y gradient wir er lines.	1-7, 1996. On The Fore system now because of the pencer Co Green and el County de inches au inches in the pencer Polymer of the pencer of the pencer Co Green and el County de inches au inches in the pencer Polymer of the pencer of the pence	The snow neavy snow moved from light are tade, Brechounty led the Laurel control of the tage of tage o	began aroust	- Clinton - und noon es ound 1500 e If states on East of the C arue, Bullitt 17 inches o 12 inches. E to 12 inches entucky. Li	Wayne - Mccreary - Whitley Heavy Snow  It and effected all of the counties st on the 6th and ended around 6 is the 6th to Georgia and then the EWA by 0000 est on the 8th. Between the and Hardin Counties all reported for accumulation. By 0200 est, between the accumulation. By 0200 est, between the accumulation and the first of the formal series across east central Kentucky to 6 title additional snow was reported  High Wind (G41)  High Wind (G40)  High Wind (G45)  High Wind (G45)  High Wind (G45)
KYZ054  KYZ054  KYZ065  KYZ028  KYZ024	Menifee - E Barren - M 06 07 A major Louisvill on the 7 Carolina and 6 inches and 12 ir 6 inches inches ac 0600 est.  Bullitt 18 47 mph g Marion 18 A tree fe Marion 18 Power of Taylor 18 Gradient Hardin 18 Shingles Breckinridg 18 Several t	Butler - Edmo Ionroe - Metca 1500EST 0600EST snow storm h le CWA before th. A strong decoast by the a ches of snow for across their result total accurate several locators south ce. Laurel County 1245EST gust from grad 1255EST Ill on two mobil 1315EST winds knocke 1330EST blown off roo ge 1340EST	it Kentucky e it stopped S ouble-barrele fternoon of t ell across the spective coun nulations we ations to 16 in ntral Kentuc y still led the ient wind ide homes and red with gusty d down power f by gradient	- Green - Ta - Russell - Pu on January 6 Gunday afterned low pressu he 7th. The si c CWA by 20 nties, while S re reported. C nches in Laur ky to 6 to 12 c way with 16 d knocked the y gradient wir er lines.	1-7, 1996. On The Fore system now because of the pencer Co Green and el County de inches au inches in the pencer Polymer of the pencer of the pencer Co Green and el County de inches au inches in the pencer Polymer of the pencer of the pence	The snow neavy snow moved from light are tade, Brechounty led the Laurel control of the tage of tage o	began aroust	- Clinton - und noon es ound 1500 e If states on East of the C arue, Bullitt 17 inches o 12 inches. E to 12 inches entucky. Li	Wayne - Mccreary - Whitley Heavy Snow  It and effected all of the counties st on the 6th and ended around 6 is the 6th to Georgia and then the EWA by 0000 est on the 8th. Between the and Hardin Counties all reported for accumulation. By 0200 est, between the accumulation. By 0200 est, between the accumulation and the first of the formal series across east central Kentucky to 6 title additional snow was reported  High Wind (G41)  High Wind (G40)  High Wind (G45)  High Wind (G45)  High Wind (G45)
KYZ054  KYZ054  KYZ065  KYZ028	Menifee - E Barren - M 06 07 A major Louisvill on the 7 Carolina and 6 inches and 12 ir 6 inches inches ac 0600 est.  Bullitt 18 47 mph g Marion 18 A tree fe Marion 18 Power or Taylor 18 Gradient Hardin 18 Shingles Breckinridg 18	Butler - Edmo Ionroe - Metca 1500EST 0600EST snow storm h le CWA before th. A strong decoast by the a ches of snow for across their result total accurate several locators south ce. Laurel County 1245EST gust from grad 1255EST Ill on two mobil 1315EST winds knocke 1330EST blown off roo ge 1340EST	it Kentucky e it stopped S ouble-barrele fternoon of t ell across the spective coun nulations we ations to 16 in ntral Kentuc y still led the ient wind ide homes and red with gusty d down power f by gradient	- Green - Ta - Russell - Pu on January 6 Gunday afterned low pressu he 7th. The si c CWA by 20 nties, while S re reported. C nches in Laur ky to 6 to 12 c way with 16 d knocked the y gradient wir er lines.	1-7, 1996. On The Fore system now because of the pencer Co Green and el County de inches au inches in the pencer Polymer of the pencer of the pencer Co Green and el County de inches au inches in the pencer Polymer of the pencer of the pence	The snow neavy snow moved from light are tade, Brechounty led the Laurel control of the tage of tage o	began aroust	- Clinton - und noon es ound 1500 e If states on East of the C arue, Bullitt 17 inches o 12 inches. E to 12 inches entucky. Li	Wayne - Mccreary - Whitley Heavy Snow  It and effected all of the counties st on the 6th and ended around 6 is the 6th to Georgia and then the EWA by 0000 est on the 8th. Between the and Hardin Counties all reported f accumulation. By 0200 est, between the by 0600 est on the 7th, totals were f accross east central Kentucky to 7 title additional snow was reported  High Wind (G41)  High Wind (G40)  High Wind (G40)  High Wind (G45)  High Wind (G50)  High Wind (G50)  High Wind (G50)
KYZ054  KYZ054  KYZ065  KYZ028  KYZ024	Menifee - E Barren - M 06 07 A major Louisvill on the 7 Carolina and 6 inches and 12 ir 6 inches inches ac 0600 est.  Bullitt 18 47 mph g Marion 18 A tree fe Marion 18 Gradient Hardin 18 Shingles Breckinrid 18 Several t	Butler - Edmo Ionroe - Metca 1500EST 0600EST snow storm h le CWA before th. A strong decoast by the a ches of snow for across their result total accurate several locators south ce. Laurel County 1245EST gust from grad 1255EST Ill on two mobil 1315EST tutages associat 1315EST winds knocke 1330EST blown off roo ge 1340EST rees blown do	it Kentucky e it stopped S ouble-barrele ffernoon of t ell across the spective coun nulations we attions to 16 in ntral Kentuc y still led the ient wind ile homes and ted with gusty d down powe f by gradient wn. A windo	- Green - Ta - Russell - Pu on January 6 Gunday afterned low pressu he 7th. The si c CWA by 20 nties, while S re reported. C nches in Laur ky to 6 to 12 c way with 16 d knocked the y gradient wir er lines.	out at a b	The snow neavy snow moved from light are tade, Brechounty led the Laurel control of the tage of tage o	began aroust	- Clinton - und noon es ound 1500 e If states on East of the C arue, Bullitt 17 inches o 12 inches. E to 12 inches entucky. Li	Wayne - Mccreary - Whitley Heavy Snow  It and effected all of the counties st on the 6th and ended around 6 is the 6th to Georgia and then the EWA by 0000 est on the 8th. Between the and Hardin Counties all reported for accumulation. By 0200 est, between the accumulation. By 0200 est, between the accumulation and the first of the formal series across east central Kentucky to 6 title additional snow was reported  High Wind (G41)  High Wind (G40)  High Wind (G45)  High Wind (G45)  High Wind (G45)
KYZ054  KYZ054  KYZ065  KYZ028  KYZ024	Menifee - E Barren - M 06 07 A major Louisvill on the 7 Carolina and 6 inches and 12 ir 6 inches inches ac 0600 est.  Bullitt 18 47 mph g Marion 18 A tree fe Marion 18 Gradient Hardin 18 Shingles Breckinrid 18 Several t	Butler - Edmo lonroe - Metca 1500EST 0600EST snow storm h le CWA before th. A strong decoast by the a ches of snow for across their re each total accur at several loca cross south ce. Laurel County  1245EST gust from grad  1255EST ll on two mobi  1315EST utages associat  1315EST winds knocke  1330EST blown off roo ge 1340EST rees blown door	it Kentucky e it stopped S ouble-barrele ffernoon of t ell across the spective coun nulations we attions to 16 in ntral Kentuc y still led the ient wind ile homes and ted with gusty d down powe f by gradient wn. A windo	- Green - Ta - Russell - Pu on January 6 Gunday afterned low pressu he 7th. The si c CWA by 20 nties, while S re reported. C nches in Laur ky to 6 to 12 c way with 16 d knocked the y gradient wir er lines.	out at a b	The snow neavy snow moved from light are tade, Brechounty led the Laurel control of the tage of tage o	began aroust	- Clinton - und noon es ound 1500 e If states on East of the C arue, Bullitt 17 inches o 12 inches. E to 12 inches entucky. Li	Wayne - Mccreary - Whitley Heavy Snow  It and effected all of the counties st on the 6th and ended around 6 is the 6th to Georgia and then the EWA by 0000 est on the 8th. Between the and Hardin Counties all reported f accumulation. By 0200 est, between the by 0600 est on the 7th, totals were f accross east central Kentucky to 7 title additional snow was reported  High Wind (G41)  High Wind (G40)  High Wind (G40)  High Wind (G45)  High Wind (G50)  High Wind (G50)  High Wind (G50)

		Time	Path	Path	Number o	f	Estimated	January 1996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons		Damage Property Crops	Character of Storm
KENTUCKY, Central		Standard	()	(14143)	J		rioperty crops	
KYZ034	Shelby							
	18	1500EST			0	0		High Wind (G45)
1/3//2020		as down on Hi	ghway 12 due	e to gradient	winds.			
KYZ029	Bullitt 18	1523EST			0	0		High Wind (G50)
			n 7 miles sou	th of Sheper	rdsville, and tre		ower lines were dov	
KYZ028	Hardin							
	18	1550EST	1 1 1:4		0	0		High Wind (G50)
KYZ028	Hardin	ak trees downed	i by gradient	winds.				
K12020	18	1550EST			0	0		High Wind (G45)
	3 trees d	lowned by grad	ient winds.					
KYZ077	Adair	4 < 2 0 77 0 77					4077	
	18 Roofs b	1630EST	ile homes on	Rte 704 in	0 couthern Adair	0	10K  Relayed from DES.	High Wind (G40)
KYZ043>044	Nicholas -		ne nomes on	Ktc. 704 III	southern Adam	county.	. Kelayed Holli DES.	•
11120107011	19	0700EST			0	0		Flood
	Minor fl	1900EST	carved on the	Licking Div	var in Rhua Lick	Spring	e due to enovemelt a	nd heavy rainfall. The river crested at 24
		am est. This is				Spring	s due to showmen ai	nd neavy rannan. The river crested at 24
KYZ024>025-028>032				_	on - Oldham -	Trimb	le	
	22	0700EST			0	0		Flood
	31 Snowme	1159EST	rain caused	widespread	flooding all a	long the	e Ohio River Floo	ding approached moderate levels near
								flood stage at most locations. McAlpine
								stage). The upper gauge crested at 28.1
		•	am(5.1 feet	above flood	stage). Many	homes a	along the river repor	rted substantial flooding, but no injuries
VV7042	were rep Nicholas	orted.						
KYZ043	Nicholas 24	0700EST			0	0		Flood
	26	0700EST						
*******		king River at B	lue Lick Spri	ngs crested	at 28.5 on Janua	ary 25 a	t 7 pm est. This is 6.	.5 feet above flood stage.
KYZ044	Fleming 24	0700EST			0	0		Flood
	26	0700EST			v	v		11000
		king River at B	lue Lick Sprii	ngs river cre	ested at 28.5 fee	t on Jan	nuary 25 at 7 pm est.	This is 6.5 feet above flood stage.
KYZ045	Nelson	0 <b>7</b> 00EST			0	0		Flood
	25 27	0700EST 0700EST			U	U		F100d
								rk of the Salt River. The river crested at
KENTUCKY, Eastern	37.6 fee	t, which is 2.6 i	feet above flo	od stage, or	January 26 at	3 am est	t.	
KYZ069-086>088-106-	Iackson - l	Knov - Roll - H	Iarlan - Mor	gan - Wolfe	a - Magoffin - i	Floyd -	I oo - Rroathitt - K	nott - Owsley - Perry - Clay - Leslie -
108>118-120	Letcher - I		tarian - Moi	gan - won	c - Magorini -	rioyu -	Lee - Breatmit - K	nott - Owsicy - I city - Clay - Lesiic -
	06	1500EST			0	0		Heavy Snow
	07 A maior	1730EST winter storm b	rought heavy	snow to al	l of southeast K	Centucky	v By noon EST on t	the 6th, 3 to 5 inches of snow had faller
							•	les were on the ground. Amateur radio
					•			inches by 2300 EST. By 1100 EST or
							0	the area by 1300 EST. Total snowfall
				0			eraged between 6 an	mounts in Pike County. Where rain and 14 inches
KYZ069-086>088-106-	U	•					U	nott - Owsley - Perry - Clay - Leslie -
108>118-120	Letcher - I			<b>6</b>				
	11 12	2000EST 1100EST			0	0		Heavy Snow
			nes occurred	across south	neast Kentucky	. Snowf	all totals at 1036 ES	ST on the 12th ranged from 4 inches in
							d Pike Counties.	6
<b>KENTUCKY</b> , Northeas	<u>it</u>							
KYZ101>105-107-119		-	- Elliott - La	awrence - J	ohnson - Mart		1077	W G.
	06 08	1600EST 0200EST			0	0	10K	Winter Storm
		long storm resu	lted in snow	depths of 12	to 15 inches			
	across C	reenup, Carter	Boyd, and E	lliott Count	ies. For examp	le,		
		measured 12 i				1		
			-		artin Counties, the ground pri			

15 to 20 inches were common. No snow was on the ground prior to the storm. National Guard units helped in snow removal and

		Time	Path	Path	Number o	f	Estimated		January 1996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed Inj	ured	Damage Property Crops	Character of Storm	January 1990
KENTUCKY, Northeast	<u>t</u>			, ,			1 7 1		
		r medicine. The lin the Globe a			l roller rink				
KYZ101>105-107-119	Greenup - 0 11 12	Carter - Boyd 2100EST 0800EST	- Elliott - La	awrence - J	ohnson - Mart 0	tin 0		Winter Storm	
		inches of new 0 to 20 inch ra							
KYZ101-103	Greenup - 1	-					4077		
	20 23	1900EST 1800EST alt of rain and n	altad enovy	in Donneylye	0 onia West	0	40K	Flood	
	Virginia,	and western M	aryland, the	Ohio River	crested 1 to				
	while Gr	ove flood stage eenup peaked a	t 55.3 feet.	Flooding had	d lessened on th	nis			
		the Ohio River, eers flood contr							
	caused m	inor flooding o	n smaller tri	butaries, eve					
KENTUCKY, Northern	-	the Sandy Kive	i at Nacoon.						
KYZ089>100	Carroll - G	allatin - Boone 1400EST	- Kenton -	Campbell -	Owen - Gran	t - Pend	lleton - Bracken 2.9M	- Robertson - Mason Winter Storm	- Lewis
	08	0100EST		4 6 16 4	v				11
								This massive system be greatest 24 hour snow	
								cation normally receive the weight of the snow	
								this was the worst win	
KYZ100	Blizzard <b>Lewis</b>	of '78.							
K1Z100	11	1800EST			0	0	1K	Heavy Snow	
	12 A fast m	1000EST noving low pre	ssure systen	n tracked fr	om the Mid-M	Iississip	pi Valley to the	Kentucky-Tennessee b	oorder. This storm
<b>5</b>		a fairly wet sno	•			1		·	
Boone County Verona	18	1730EST			0	0	2K	Thunderstorm	Wind (G50)
Kenton County	Trees blo	own down in Ve	erona.						
Erlanger	18	1730EST			0	0	2K	Thunderstorm	Wind (G50)
Campbell County	Trees blo	own down.							
Ft Thomas	18	1756EST			0	0	2K	Thunderstorm	Wind (G50)
KYZ089>093-096>097-		nes blown dowr <b>allatin - Boon</b> e		Campbell -	· Pendleton - B	racken	- Mason - Lewi	s	
099>100			- 11011011	Cumpoun					
	23 30	1200EST 1200EST			0	0	180K	Flood	
		_			•			nt rainfall led to widespr sville crested at 54 fee	
							hio side of the riv		, , , , , , , , , , , , , , , , , , , ,
Mason County Countywide	24	0300EST			0	0	5K	Flash Flood	
·	Persisten	0700EST t heavy rainfall	caused cree	ks to overflo	ow their banks a	and caus	sed many roads to	be closed	
<b>Lewis County</b>			caased cree						
Countywide	24	0300EST 0700EST			0	0	5K	Flash Flood	
KENTUCKY, Southwes		t heavy rainfall	caused road	s to be close	ed due to creeks	s rising	out of their banks	i.	
KYZ001>013	_	ckman - Carli	sle - Ballard	- Mccrack	en - Graves - 1	Livingst	ton - Marshall -	Calloway - Crittenden	- Lyon - Trigg -
	Caldwell 02	1700CST			0	0		Snow	
		2300CST	een 1 and 3	Sinches on	-		ning There were	several accidents and	a couple of minor
	injuries.								_
KYZ001>013	Fulton - Hi Caldwell	ckman - Carlis	sle - Ballard	- Mccrack	en - Graves - I	Livingst	ton - Marshall -	Calloway - Crittenden	- Lyon - Trigg -
	06	0400CST 2300CST			0	0		Winter Storm	

_ocation	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number o Persons Killed In		Estimated Damage Property Crop	January 1996 S Character of Storm
KENTUCKY, Southwest	A weeken	d snowstorm o	dumped fror	m 3 to 6 inch	es over far w	estern K	entucky. The lig	ghtest amounts, near 3 inches, were west of Princeton, Fulton, Murray, and Mayfield
	Paducah r rural road Crittender deep occu crews wer temperatu- storm. On on the inte	eported 4 inch s drifted shut a County, the a rred in Graves re hampered b res in the sing the evening p	nes of dry pot t in spots. It rescue squad a County. The py strong wingle digits at prior to this s including a se	owdery snow in Trigg Cou I freed a fam e Kentucky S inds causing night. Most snowstorm, a fatality near	Strong gusty nty, snow re ily whose vel tate Police ha blowing and schools rema dusting of sn	north w moval ed nicle was andled 74 drifting nined clo ow cause	vinds up to 30 M quipment got s s stranded in snot accidents over of the snow. S sed until Wedn ed icy patches o	MPH piled the snow into deep drifts. A fe tuck several times in waist-high drifts, by drifts for three hours. Drifts up to 3 fe the weekend in far western Kentucky. Roa alt was relatively ineffective due to friguesday or Thursday following the weeker in Interstate 24. The result was 20 accident by an each woman whose vehicle struck a standard
Fulton County Cayce	18 An awning	0925CST g was blown o	ff and a 4 fo	ot diameter ti	0 ree was blowr	0 n over.	5K	Thunderstorm Wind
Hickman County 4 E Clinton	18 A loaded o	0940CST	as overturned	l. A barn in tl	0 ne same area v	<b>0</b> was blow	10K n over.	Thunderstorm Wind
Ballard County .5 NW La Center	18 Six roofs v	0942CST were damaged	in and arou	nd La Center	0	0	3K	Thunderstorm Wind
Carlisle County 2 ESE Cunningham	18	0955CST			0	0		Thunderstorm Wind
Graves County 2 W Symsonia	18 Three mol	1010CST bile homes we	ere blown ov	er and a roof				Thunderstorm Wind as of one of the mobile homes were injured use was done to awnings and outbuildings.
Mccracken County 4 SE Paducah	18 A barn and	1010CST	destroyed, a	front porch v	<b>0</b> vas blown aw	<b>0</b> ay, and 1	<b>50K</b> 15 to 20 trees we	Thunderstorm Windere downed.
Livingston County .5 W Ledbetter	18 A roof wa	1010CST s blown off an	auction bar	n. A nearby h	0 ouse was par	<b>0</b> tially unr	<b>20K</b> roofed.	Thunderstorm Wind
Mccracken County	10	1012CCT	4	50		2	751/	T d- (F1)
.5 S Paducah to .5 SE Paducah	an auto bo		ch was dest	royed. Two	workers who	torms cau	ide received mi	Tornado (F1) two businesses. Most of the damage was a nor cuts and bruises. A large window of
Calloway County .5 SE New Concord	18 Many tree	1020CST s were blown	down.		0	0		Thunderstorm Wind (G50)
Crittenden County 3 SW Marion	<b>18</b> Six buildir	1030CST	roof damage		0	0	10K	Thunderstorm Wind
Lyon County 1 W Eddyville	18 Shingles v	1030CST were blown off	f 5 buildings	near Eddyvil	0 le and Kuttaw	<b>0</b>	6K	Thunderstorm Wind
Marshall County 5 NE Benton	18 Trees were	1032CST e downed in se	everal areas	around the co	0 ounty. Winds	0 were esti	mated between	<b>Thunderstorm Wind (G50)</b> 55 and 60 MPH.
					0	0	10K	Thunderstorm Wind
Trigg County 1.5 NE Cadiz	18 A dugout,	1040CST ticket office, a	and bleacher	s were damaş				munderstorm vvind
Trigg County 1.5 NE Cadiz  Caldwell County 1 E Fredonia	A dugout,							Thunderstorm Wind

		Time	Path	Path	Number Persons		Estimate		January 1996					
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)		ijured	Damag Property	e Crops	Character of Storm					
KENTUCKY, Southwest  LOUISIANA, Northeast	lower Oh	sending a flood wave down the Ohio River. This in turn sent backwater up many of the smaller rivers that feed into the Ohio. The lower Ohio River crested 3 to 5 feet above flood stage. At Paducah, where the flood stage is 39 feet, the river reached 42.0 feet on the last day of the month. Portions of the riverfront park at Paducah were underwater. Most of the flooding was confined to bottomlands.												
	Concordia													
	18	0740CST			0	0	10K	0	High Wind (G50)					
	High win	d not associated	d with a thur	derstorm bu	ıt gradient win	d over	turned a mob	oile home	e in Vidalia.					
<b>LOUISIANA</b> , Northwest														
Claiborne Parish	10	0.400.000				•	0	•	TI 1 (CC)					
5 NE Summerfield to 5.5 NE Summerfield	18	0400CST 0405CST			0	0	0	0	Thunderstorm Wind (G60)					
	Numerou	s trees blown d	own.											
Claiborne Parish														
.1 S Junction City	18	0415CST 0420CST			0	0	2K	0	Thunderstorm Wind (G60)					
	Gas pump	s from a local	gas station v	vere blown o	out of their for	ındatior	ns.							
Caddo Parish														
Shreveport	23	1438CST	7	400	0	30	5M		Tornado (F2)					
		1500CST												
Bossier Parish Bossier City	23	1500CST	0.5	100	0	0			Tornado (F2)					
Bossier City	23	1506CST	0.5	100	U	U			Tornado (F2)					
D. G. , D. U.	across the Thirty uti	e southeast sec lity poles were	tion of the destroyed l	city. Severa eaving 10,0	al retirement h 00 customers	omes a	and numerou t power. Th	s housing e tornado	oss the airport and continued northeast g subdivisions were severely damaged. In the moved across the Red River into couple of barns then dissipated.					
De Soto Parish	22	1 <i>524C</i> CT			0	0	0	0	Heil (0.75)					
Logansport	23	1536CST 1541CST			U	U	U	U	Hail (0.75)					
Bossier Parish														
<b>Bossier City</b>	23	1702CST			0	0			Hail (0.50)					
LOUISIANA, Southeast Orleans Parish		1710CST												
(New)Lkfrnt Arpt New	24 A 53 knot	0219CST wind gust was	s reported at	Lakefront A	0 airport.	0			Thunderstorm Wind (G53)					
St. Bernard Parish Chalmette	24 Sheriff's (	0240CST Office reported	half of a sur	er market's	0 roof was blow	0 n off.	1K		Thunderstorm Wind					
LOUISIANA, Southwest		•												
Beauregard Parish														
Longville	01 2 men we men. M3		a roof when	n lightning s	1 struck a tree n	1 earby.	The bolt of l	ightning	<b>Lightning</b> travelled through the tree and hit the 2					
Calcasieu Parish														
2 S Lake Charles	01	1800CST			0	0			Hail (0.75)					
Rapides Parish 10 S (Aex)England Afb Alx	06	0430CST			0	0			Hail (0.75)					
St. Landry Parish														
Leonville	23	2359CST			0	0			Thunderstorm Wind (G50)					
	Trees blov	wn down on Hi	ighway 31.											
St. Martin Parish Breaux Bridge	24 Numerous	0030CST	er lines blov	vn down.	0	0	5K		Thunderstorm Wind (G50)					
Calcasieu Parish														
Lake Charles	26	0830CST			0	0			Hail (0.75)					
Calcasieu Parish														
10 N Lake Charles	26 Mobile ho	0900CST ome had roof b	lown off.		0	0	10K		Thunderstorm Wind (G50)					
Evangeline Parish Chataignier	26	0935CST	1	20	0	3	15K		Tornado (F1)					
6		0940CST						1.1 1	• •					
	5 hunters	sought shelter	ın a barn wh	en they saw	the tornado.	The torr	nado flattene	the bar	n, causing 3 of the men to be injuried.					

•	3101111	Dala	ariu U	musu.	ai vve	atrit	Filend	Jillella	
ocation	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number Person Killed I		Estimated Damage Property Crops	Character of Storm	January 1996
<u>MAINE</u> MEZ012>030	Interior You Sagadahoo 03  Up to on	ork - Interior c - Lincoln - K 0100EST 2000EST	Cumberland Cnox - Coasts	d - Androsco al Waldo - C	oggin - Kenno oastal Hanco 0	ebec - In ock - Coa 0	terior Waldo - C astal Washingtor	terior Hancock - Interoastal York - Coastal Heavy Snow ystem moved up the A	Cumberland -
MEZ018>020-023>030	Coastal Woods  Southern moved to	aldo - Coastal 1000EST 2300EST n and coastal sup the East Co	Hancock - sections of Moast before t	Coastal Was  Iaine receive urning out to	thington 0  d up to a footo sea south of	0 t of snow f New E	wfall in the north	rland - Sagadahoc - L Heavy Snow ern fringes of an intens rm had earlier deposite	se winter storm tha
MEZ024	Coastal Cu 10	0500EST 1600EST			0	0		Heavy Snow	
	southern Freeport	n New Englan t.	d and out o	ver the open	water. Slic	k driving	g conditions conti	Maine as it moved souributed to a 13-car acc	cident on I-95 nea
MEZ007>015-018>025	Southern I Kennebec 12 13 From 6 through	Franklin - Sou - Interior Wa 1545EST 0900EST to 12 inches of the Gulf of M	thern Some ldo - Coasta of snow fell a laine, just off	erset - Souther I York - Coa across the so I the east coa	ern Penobsco stal Cumber 0 uthern two-th st. The adde	t - Inter land - Sa 0 irds of M d weight	ior York - Interionage of this snowfall	ntral Penobscot - Sou or Cumberland - And Heavy Snow low pressure center m to the previous ones co- equipment and antique	roscoggin - oved northeastware dlapsed the roofs o
MEZ007>030	Northern C Southern I Interior C Lincoln - I 20 Strong s and pow	Oxford - Nort Franklin - Sou umberland - A Knox - Coasta 1500EST 0300EST south to southe ver lines in scal	hern Frankl athern Some Androscoggi I Waldo - Co east winds ahottered areas a	lin - Central rset - Southe n - Kennebe oastal Hanco ead of an inte	Somerset - Sern Penobsco c - Interior V ock - Coastal 0 ense low press thern two-thin	outhern t - Inter Valdo - ( Washin 0  sure cent	Piscataquis - Ce ior Hancock - In Coastal York - C gton	ntral Penobscot - Sou terior Washington - It oastal Cumberland - S High Wind theast out of the Great up to 120 mph were rec	thern Oxford - nterior York - Sagadahoc - Lakes downed tree
MEZ002 Frenchville	Northeast 19 20 Torrenti	1800EST 0000EST	hed out the h	pedding unde	0 r a section of	4	track near French	Torrential Rai	
MEZ007>015-019>022- 024>028	Northern C Southern I Waldo - Co 19 22 Heavy r Great La	l minor injuries Oxford - Nort Franklin - Sou oastal Cumbe 2000EST 0200EST ains assosiated akes combined	s as two loco hern Frankl ithern Some crland - Saga I with strong d with snowi	motives and silin - Central creet - South adahoc - Line south to south melt caused by	5 cars went do Somerset - S ern Penobsco coln - Knox - 0 neast winds al by unseasonal	own an er outhern t - Inter Coastal 1 nead of a	mbankment.  Piscataquis - Ce ior Cumberland Waldo 594K  n intense low pres n air caused flood	ntral Penobscot - Sou - Androscoggin - Ken Flood ssure center that moved ling along rivers and s ater sent the Kennebec,	thern Oxford - nebec - Interior northeast out of the treams, washed ou
	Piscataq							washed down a culver	
MEZ005>011	Northern I - Central F 24 25		outheast Arc	oostook - No	rthern Oxfor 0	d - Nort 0	hern Franklin - 0 231K	Central Somerset - So Flood	uthern Piscataqui
	Runoff f particula winds tr Great La	from 1 to 2 inc arly in norther ransporting mo akes. This was	n Penobscot pisture and u	County, who	ere culverts w warm air wer	ere floor e caused	ded and roads we by a low pressur	Maine. Several communities washed out. Strong the center moving north	g south to southeas
MEZ018	Interior Yo 27	ork 0800EST 0830EST			0	0		Freezing Rain	

		Time Local/	Path Length	Path Width		ber of sons	Estima Dama			January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	

### MAINE

County over a short period of time. One accident near Sanford resulted in one death and four injuries.

MEZ013>017-020>023-025>030 Southern Franklin - Southern Somerset - Southern Penobscot - Interior Hancock - Interior Washington - Androscoggin - Kennebec - Interior Waldo - Coastal York - Sagadahoc - Lincoln - Knox - Coastal Waldo - Coastal Hancock - Coastal Washington

27 1600EST 28 0400EST 0 200K High Wind (G68)

Damaging winds were produced over much of Maine by the last, and most intense, of three low pressure systems moving northeastward out of the Great Lakes. South to southeast flow brought moist and unseasonably warm air into the area. The high winds mainly affected central and eastern Maine, downing trees and power lines, and causing some structural damage. About 40,000 customers lost power. Gusts over 70 mph were common. The highest official gust was 78 mph at Eastport, where one large tugboat sank and another was heavily damaged. Unofficial gusts of 124 mph were reported in an elevated location nearby. In Searsport, winds and waves did \$200,000 damage to the town warf.

MEZ002-005>015-020>022-025>026 Northeast Aroostook - Northern Penobscot - Southeast Aroostook - Northern Oxford - Northern Franklin - Central Somerset - Southern Piscataquis - Central Penobscot - Southern Oxford - Southern Franklin - Southern Somerset - Southern

Penobscot - Androscoggin - Kennebec - Interior Waldo - Sagadahoc - Lincoln

27 1900EST 30 2300EST 0 561K

Flood

Flooding was produced over sections of Maine when the last and most intense storm in a series of three low pressure centers moved northeastward from the Great Lakes. South to southeast winds brought warm temperatures and heavy rainfall to the area. Rainfall from the storm exceeded 4 inches in the western Maine mountains, with 2 to 3 inches common over much of central Maine. High runoff and ice jams caused flooding on many rivers and streams from the western mountains to the northeastern corner of the state. The Kennebec, Androscoggin, Piscataquis, and Penobscot were among the major rivers flooding. About 150 people had to be evacuated from a trailer park in Milford after an ice jam on the Penobscot River flooded the area on the 30th.

Much of Maine qualified for disaster relief from the three storms. Damage to public property alone was \$1.4 million, with private losses likely much higher.

MARYLAND, Central MDZ002>007-009>011-013>014-016>018

Allegany - Washington - Frederick - Carroll - Northern Baltimore - Harford - Montgomery - Howard - Southern Baltimore - Prince Georges - Anne Arundel - Charles - St. Mary'S - Calvert

07 0200EST 2 150 160K Blizzard 08 1300EST

An historic winter storm, known as the "Blizzard of '96", crippled all of Maryland west of the Chesapeake Bay during the first full weekend of January. In general, snow totals were as follows: 20 inches in lower southern Maryland (MDZ016>018), 20 to 26 inches in central Maryland (MDZ009>011, 013), and 26 to 36 inches to over the northern tier (MDZ002>007). To complicate matters, winds gusting in excess of 35 mph produced drifts of 4 to 7 feet, except over 10 feet in the mountains. The storm produced the larges statewide storm totals since the "Megalopolitan Storm" of February 11th, 1983. Numerous 24-hour accumulation records were shattered at airports from southwest Virginia through New England; Baltimore/Washington International (BWI; MDZ011) nearly equalled its record of 22.8 inches in 24 hours (22.5 inches fell), set in 1983.

The storm was induced by a digging upper level trough over the eastern Great Plains. At the surface, an inverted trough extended from the Gulf of Mexico through the Deep South. Surface pressures began falling as the upper trough approached on the afternoon of the 7th. Meanwhile, confluent flow, behind an upper-level arctic vortex over the Canadian Maritimes, maintained strong (1034 mb) surface high pressure over northern New York state. As the upper-level trough approached the southeast U.S. on the 8th, a new surface low developed along the Georgia coast. The low deepened explosively while the arctic high remained in place. Copious Gulf of Mexico and Atlantic moisture was entrained into the system, producing heavy snow; the increasing gradient between the intensifying low and the arctic high caused winds to strengthen to 25 mph with gusts to 35 mph.

The system moved slowly from South Carolina to the mouth of the Chesapeake Bay overnight on the 7th. The slow movement prolonged near-blizzard conditions into the 8th. The storm finally moved towards New England later on the 8th, ending the snow but maintaining gusty north winds (and substantial blowing and drifting snow) until evening.

The storm effectively closed all major highways on the 7th, but interstates were "open" by the 8th, even though snow removal equipment fought a losing battle with the considerable blowing and drifting snow. The Washington subway system suffered several above-ground mishaps in Maryland. Shortly after the onset of the storm, a train, with three persons aboard (including the driver), slid into another in central Montgomery Co (MDZ009), killing the driver. The following evening, 80 passengers were stranded when a train got stuck between stations. Many above-ground stations remained closed throughout the following work week.

Two persons perished directly from hypothermia the day after the blizzard. Over 150 injuries were reported at area hospitals and clinics shortly after the blizzard, most due to over-exertion from shoveling snow, but some due to slipping on ice.

All federal, state, and local governments were closed Monday (the 8th) and Tuesday (the 9th). Most school districts remained closed for the week. A federal state of emergency was declared the following Friday (the 12th). Snow removal/damage costs exceeded \$70 million (state and county combined), a state record for an individual winter storm. The vast majority was incurred by snow removal operations; another \$3.7 million was budgeted for repairs to highways including potholes, guard rails, and side banks.

The weight of the snow caused several area roofs to collapse. In Clinton (MDZ013), the roof of a nursing home dining room caved

		Time Local/	Path Length	Path Width		ber of sons	Estim Dam	age		January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	

### MARYLAND, Central

in at 0730 EST on the 8th, displacing up to 120 residents. Fortunately, disaster was averted because breakfast was served in the dormitories rather than in the dining room due to staff shortages. No injuries were reported. In Frederick Co (MDZ004), a barn collapsed, killing 100 cows and injuring about 100 more. Two barns collapsed in Clear Spring (MDZ003), and 100 cows escaped unharmed.

M500U, M520U

MDZ006>007-011-013>014-016>017 Northern Baltimore - Harford - Southern Baltimore - Prince Georges - Anne Arundel - Charles - St. Mary'S

09 1400EST 0 0 Heavy Snow

Low- and mid-level lift ahead of an "Alberta Clipper" added insult to injury only a day after the "Blizzard of '96," dumping 4 to 6 inches of snow in a 5-hour period from lower southern Maryland through the northern suburbs of Baltimore. The additional snowfall produced total snow depths similar to those over the Maryland and Virginia piedmont.

MDZ002>007-009>011-013>014-016>018 Allegany - Washington - Frederick - Carroll - Northern Baltimore - Harford - Montgomery - Howard - Southern Baltimore - Prince Georges - Anne Arundel - Charles - St. Mary'S - Calvert

12 0700EST 0 0 100K Heavy Snow

Less than one week after the crippling "Blizzard of '96," a new winter storm dumped substantial snow across Maryland west of the Chesapeake Bay. The snow changed to freezing rain and sleet from the Chesapeake Bay through the eastern and southern suburbs of the Baltimore/Washington area before tapering off. The changeover suppressed accumulations to 4 to 6 inches in this region. Elsewhere in Maryland, snow amounts ranged from 6 to 8 inches, with amounts up to 1 foot at higher elevations in Frederick and Washington Cos (MDZ003>004).

The storm developed as an area of low pressure in the midwest, which became an elongated trough extending from the Tennessee Valley through southeastern North Carolina. As the upper-level trough approached, the North Carolina low became dominant, intensifying slowly as it moved through the mouth of the Chesapeake Bay, then off the Delaware coast by late afternoon. Unlike the "Blizzard of '96," a lack of cold air behind the surface low, combined with the fact that the upper-level trough was significantly weaker and more progressive, kept the surface low from rapidly intensifying. Nonetheless, west-central Maryland received some of the highest snow totals in the Eastern U.S.

Travel was slowed yet again, but by evening main arteries were cleared. Excessive speed contributed to numerous accidents, the most impressive on the Capital Beltway in Montgomery Co (MDZ009) which involved four tractor-trailers. Most local, state, and federal offices were closed. School districts remained closed, giving children an extra week of winter vacation. Unfortunately, the week of storms also wiped out their allotment of snow days.

The additional snow load caused several structures to partially fail. In Westminster (MDZ005), a bowling alley was damaged when an exterior wall caved in. In Bethesda (MDZ009), a roof partially failed at a printing center. A tire warehouse in Upper Marlboro (MDZ013) collapsed, and another warehouse in nearby Beltsville had a sagging roof. Gutters were torn from numerous homes as a result of "ice dams," which also caused interior leaks.

Allegany County All

Washington County All

19	0300EST 1200EST	0	0	<b>7M</b>	Flash Flood
19	0500EST 1200EST ***Flood/Flash Flood***	0	0	1M	Flash Flood

An unprecedented combination, in recent history, of unseasonably warm, humid air overriding a dense snow pack estimated between 12 and 18 inches (but up to 2 feet or more at higher elevations) caused nearly all of the pack to vanish in a 12-hour period. The unseasonably warm air was drawn northward around the circulation of a deepening storm west of the Appalachians late on the 18th and early on the 19th. The melting snow and heavy rains caused widespread, and in some cases, catastrophic flooding and flash flooding on the 19th.

Strong low-level southeast flow developed by late afternoon on the 18th. Initially, colder temperatures in sheltered valleys slowed the rate of snow melt while the warm moist air mass attacked the snow pack at higher elevations. By mid-evening, however, even lower elevations were warming rapidly. Flash flooding began at around the same time as the onset of heavy pre-frontal rains. These heavier showers fell repeatedly over the region between 0400 and 0800EST, causing acute and widespread flooding and flash flooding. Some areas received between 2 and 4 inches of rain during this period.

Some of the most pronounced damage occurred in Allegany Co, where an estimated \$7 million in damage was reported from the initial floods alone. Two permanent homes were destroyed, 20 had major damage, and 205 had minor damage. Two mobile homes were destroyed, and 8 others had major damage; several apartments were flooded, and 32 businesses were damaged. Washington Co estimated over \$1 million dollars in damage from flood waters. Five single-family homes had major damage; 2 had minor damage. Eleven mobile homes in Funkstown sustained major damage, 13 had minor damage; 2 apartments had major damage and 3 minor damage. An oil spill also occurred in Williamsport.

		Time Local/	Path Length	Path Width	Numbe Perso		Estima Dama	nted		January 1996
Location	Date	Standard	(Miles)	(Yards)		Injured	Property	Crops	Character of Storm	
MARYLAND, Central										
Frederick County										
All	19	0700EST 1300EST			0	0	500K		Flash Flood	
Carroll County										
All	19	0700EST 1300EST			0	0	300K		Flash Flood	
Montgomery County										
All	19	0900EST 1300EST			0	1			Flash Flood	
	*** C	ontinuation of t	his event (seve	eral flood/fl	ash flood co	ounties gr	ouped toget	her) conti	nues after the following	ng ***
<b>Howard County</b>										
All	19	0900EST 1300EST			0	0	5K		Flash Flood	
<b>Baltimore County</b>										
All	19	0900EST 1300EST			0	0			Flash Flood	
Harford County										
All	19	0900EST 1500EST			0	0	5K		Flash Flood	
MDZ002>004-009	Allegany - 19 22	Washington - 0900EST 2200EST *** River	Frederick - M		y 0	0	60M		Flood	

High dew point temperatures melted most of the snow on the ground within 12 hours, with liquid water equivalent ranging from 1 to 3 inches. Snowmelt combined with 1 to 3 inches of rain (some locations received 5 inches) to produce, in some cases, catastrophic river flooding. The flooding was the worst in the region since 1985. River flooding began during the flood/flash flood event along the headwaters of the basins and continued downstream through the 22nd. Crests ranged from 3 to 21 feet above flood stage. Record flooding occurred on Wills Creek near Cumberland (MDZ002), damaging all dwellings in the town of Locust Grove. Almost all dwellings in the town of Point of Rocks (MDZ004) were damaged by the flood waters in some way.

Unfortunately, the National Park Service's C&O Canal and towpath was also severely damaged. Improvements made since the 1972 flooding (Tropical Storm Agnes) and 1985 were virtually destroyed once again. Damage was estimated at \$20 million for the park that runs along the Potomac from western Maryland the Washington, DC. Largest losses were sustained just outside of Cumberland and along the southernmost stretch from Great Falls into Northwest Washington (MDZ009). Flood waters covered 80 percent of the 184.5 mile canal. Helicopter rescues continued for 24 hours across much of the state during the onset through peak flooding. Antietam Battlefield National Park (MDZ003) estimated \$11 thousand damage along Antietam Creek.

There were several water and sewage plant failures. Water line breaks occurred in Lavale (MDZ002), and failures at Sharpsburg and Hagerstown (MDZ003) forced residents to boil water for 3 to 5 days (thousands of others were without water for 1 to 2 days). The plants in Brunswick (MDZ004) and Havre De Grace (MDZ007) were shut down for 1 to 3 days due to flood waters and high turbidity.

There was structural damage to several bridges which cross the Potomac. Three counties in central Maryland were declared under a federal state of emergency: Washington, Allegany, and Frederick.

Refer to the narrative on Flood/Flash Flood for a more detailed breakdown of damage estimates.

Prince George'S County						
All	19	1000EST 1400EST	0	0		Flash Flood
Anne Arundel County						
All	19	1100EST	0	0	5K	Flash Flood
		1500EST				
Baltimore City (C)						
All	19	1100EST	0	0		Flash Flood
		1500EST				
		*** Flood/Flash Flood Summary ***				

A waterlogged snow pack, ranging (roughly) in depth from 3 to 12 inches, was eaten away when subtropical moisture fed into the region ahead of a strong cold front. The warm moist air mass contained temperatures in the upper 50s and lower 60s, along with relative humidity near 100 percent. A deepening storm moving north through the Ohio Valley drew the subtropical air into the region. Minor flash flooding began during the pre-dawn hours, but more significant flooding occurred with the passage of an intense and unusual squall line, which moved through between 0900 and 1200EST. The squall line dumped rainfall amounts of 1.5 to 2.5 inches in less than 3 hours at any one location. Streams quickly overflowed their banks, and water ponded quickly from clogged storm drains and saturated ground.

		Time Local/	Path Length	Path Width		ber of sons	Estima Dama			January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	

### MARYLAND, Central

Flash flooding, due to streams and creeks out of their banks, began in northern Montgomery, western Carroll, and much of Frederick Co around 0700EST. The onset of heavy rains, between 0900 and 1000EST over the piedmont, and 1000 and 1200EST elsewhere, produced more substantial flash flooding. In Frederick Co, flash floods caused mud slides, knocked down trees, and closed roads. Numerous rescues were undertaken, mostly due to stranded vehicles. At the height of the storm, 52 roads were closed. Three hundred seventy-eight homes sustained flood-related damage. Fortunately, there were no fatalities, but there were a number of minor injuries. Rapid flooding of the Monocacy River (Frederick Co) caused problems, and there was flooding reported at Point of Rocks. In Carroll Co, 75 acres were reported under water, and several homes were evacuated in Detour, a result of a flood-related HAZMAT incident. Another oil spill also occurred at Owings Mills in Baltimore Co.

In Montgomery Co, an elderly woman was in fair condition after her car was submerged along White's Ferry Road near Poolesville. Numerous creeks and streams were out of their banks countywide, including Rock Creek near Kensington. The flooded creek left large deposits of sediment in its wake. In Prince George's Co, over a dozen cars were towed out of high water along federal highway 1, which was temporarily closed.

Farther east, in the Baltimore vicinity, several water rescues were reported. Just south of Baltimore City, Interstate 695 was closed briefly near Arbutus. An automobile was swept away in Harford Co.

**MDZ004** 

**MDZ008** 

Frederick

28 0000EST 0 0 Flood 29 0500EST

\*\*\* River Flooding \*\*\*

As river levels receded after the snow melt/rainfall on the 19th, additional rainfall on the 28th caused portions of the Lower Potomac basin to flood once again. Rainfall totals ranging from 0.7 to 3.5 inches over the Potomac Highlands brought crests between 0.5 and 1.5 feet above flood stage.

### MARYLAND, Northeast

MDZ012-015-019>020

Kent - Queen Annes - Talbot - Caroline

 06
 2300EST
 0
 Winter Storm

 08
 1000EST
 0
 Winter Storm

 Cecil

 07
 0100EST
 0
 0
 Blizzard

A winter storm and blizzard of near record proportions affected the entire Middle Atlantic States on January 7th and 8th. The storm formed along the Gulf Coast on Saturday morning the 6th, moved to Alabama the evening of the 6th, reached Savannah the morning of the 7th, Cape Hatteras the evening of the 7th, passed just to the west of the Delaware Buoy the morning of the 8th, before reaching coastal New England the evening of the 8th.

Snow began around midnight on the 7th and became very heavy by the morning 7th. Increasing northeast winds produced blizzard conditions in Cecil County and near blizzard conditions elsewhere along the Maryland Eastern Shore. Warmer air above the ground helped change the snow to sleet across southern parts of the Eastern Shore and held down accumulations. Accumulations averaged 12 to 18 inches in Talbot County, 12 to 24 inches in Caroline, Kent and Queen Anne's Counties and around 24 inches in Cecil County. There was a lull in the precipitation for a while after midnight on the 8th, before a final parting shot came across the region that morning.

A state of emergency was declared noon on Sunday throughout Maryland and the state received disaster area declaration on Wednesday the 10th. Estimates of the clean-up costs and damaged caused by the storm for the state was \$48,000,000. Two-thirds of all schools were still closed on Wednesday. It was fortunate that the snow began falling on a weekend day and by Sunday morning (the 7th) it was obvious that it was going to be a bad storm. This cut down considerably on accidents and rescues as most people were already trapped in their homes. Four wheel drive vehicles were deployed to get emergency personnel to and from work and to bring seriously ill patients to hospitals. Humvees were used to help plow and clear roadways. There was only one reported weather related death along the Eastern Shore, a Cecil County man suffered a heart attack and died after shoveling snow.

MDZ008-012-015

Cecil - Kent - Queen Annes

12 0500EST 0 0 Heavy Snow 1500EST

For the second time within a week heavy snow moved into the Maryland Eastern Shore. Fortunately this second storm was weaker than its predecessor. The storm moved from the Lower Tennessee Valley on the evening of the 11th, to eastern North Carolina the morning of the 12th and passed just to the east of New Jersey during the late afternoon of the 12th and into Southern New England on the 13th. Less cold air was in place than with the blizzard and although precipitation started as snow during the early morning of the 12th, it changed to rain by the afternoon. Accumulations averaged three inches in Caroline and Talbot Counties, three to four inches in Queen Anne's County, four and a half inches in Kent County and 5 to 6 inches in Cecil County.

Cecil County Countywide

19 1200EST 0 0 Flash Flood

The combination of the melting snow from the previous week's storms, unseasonably warm temperatures and an additional one to two inches of rain caused the flash flooding of several streams throughout the county. Hardest hit were Elkton (Farr Creek overflowed.), North East (Little North East Creek overflowed.) and Rising Sun. Dozens of people were rescued from stalled

Local/ Length With Persons Daniage			Time Local/	Path Langth	Path Width	Number Person		Estimated Damage	January 1996
Saligness was a notice with growing or mode in Elkton were closed due to flooding. It is referrably to the federably of a severe thunderstorm blew down the chimney from a home in Federabburg.    Part	Location	Date		(Miles)					
Rising Sum a housek wall collapsed   Parcel Foreign County   Procession   Process	MARYLAND, Northeast	t							
Pederabs   19   120EST   19   130EST   19	,					East was clo	sed and	four major roads	s in Elkton were closed due to flooding. In
This content   This		Rising St	ın a house's wa	all collapsed.					
Caroline County Denton  19	Caroline County								
Denton   D	Federalsburg					-			Thunderstorm Wind
MDZ008   19		A severe	thunderstorm	blew down tl	ne chimney f	rom a home i	n Federa	lsburg.	
MDZ008  Cecil  20 1600EST 0 2 Flood ploom to Open about 40 of 52 flood gates. This surge of water flooded Port Deposit starting around 4 p.m. on the 20th. About 700 residents we executed (almost the whole rown, 250 sayed at Red Cross shelters. There were 28 water rescues that involving 80 persons are two were hospitalized for exposure and hypothermia. The initial evacuation was north of Main Street on Saturday (20th), between executed to the south side of two non Stunday (21st). Evacuations also occurred along U.S. Route 222 from the dam to the Poposit line. In all 105 homes were damaged affecting [21 families.] Also, 100 condominums at Tome's Landing suffers extensive duringe and six large suihous and years when the property of the propert	Caroline County								
MDZ008   Cecl   20	Denton					-	1		Lightning
Process		A person	was struck an	d injured by	lightning in I	Denton.			
Process									
100EST	MDZ008		1.00ECT			0	2		File - A
Flooding along the Susquehanna River in Pennsylvania and an approaching ice dam forced officials at the Conowingo Dam to ope about 40 of 52 flood gates. This surge of water flooded Prot Depois starting around 4 p.m. on the 20th. About 700 residents we evacuated (almost the whole town), 250 stayed at Red Cross shelters. There were 28 water rescues that involving 80 persons at two were hospitalized for exposure and hypothermia. The initial evacuation was north off and in the Proposit line. In all 105 homes were damaged affecting 121 families. Also, 100 condominiums at Tome's Landing suffer extensive damage and six large sailboats and yachts were smashed.  Cecil County Northern  27						U	2		Flood
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Northern  27 1100EST 1800EST									
Northern   27   1100EST									•
MARYLAND, South   MIDZ021	Cecil County		-	_	-				
Heavy rains once again produced small stream flooding, especially in the northern half of the county. The Big Elk Creek floods in Elkton forcing the closure of Delaware Avenue and Howard Street. The creek also caused further damage to Meadow Park.    MDZ021	Northern	27	1100EST			0	0		Flash Flood
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			1900EST						

Moderate rains and a melting snow cover (15-25 inches in the Maryland mountains) on saturated soil released an estimated 3.50 to 4.50 inches of runoff into area streams. The runoff also caused major flooding on the Casselman River in Garrett County. The Casselman River flows into the Youghiogheny River, in southwest Pennsylvania and subsequently caused near record flooding downstream on the Youghiogheny River. Damages in the county totaled around \$3 million. Seventy-five to 100 homes were damaged, as well as, bridges, roads, and water treatment plants.

		Time Local/	Path Length	Path Width	Numb Pers		Estima Dama			January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	
MARYLAND, West										
Garrett County										
Oakland	24	0845EST 1500EST			0	0			Flash Flood	
			went out o	of their bar	nks across	the county	. Roads v	vere closed	d in and near Oakl	and, Gorman, and
	Bittinger.									
MDZ001	Garrett									
	27	1011EST			0	0			High Wind (G5	6)
	A wind gus	st to 64 miles ar	n hour was n	neasured at	McHenry	in Garrett C	ounty.			

### MASSACHUSETTS, Central and East

MAZ002>019

Western Franklin - Eastern Franklin - Northern Worcester - Western Middlesex - Western Essex - Eastern Essex - Western Hampshire - Western Hampden - Eastern Hampshire - Eastern Hampden - Southern Worcester - Western Norfolk - Southeast Middlesex - Suffolk - Eastern Norfolk - Northern Bristol - Western Plymouth - Eastern Plymouth

02 2100EST 0 0 Heavy Snow 03 0900EST

A strong low pressure system moved from Tennessee to the Virginia coast and then northeast off the New Jersey coast passing southeast of Cape Cod. This system produced heavy snow across the state, except along the south coast in extreme southern Plymouth and Bristol Counties and over Cape Cod and the Islands. Snowfall totals ranged from 8 to 12 inches. A small area of from 12 to 16 inches was reported in the southwest suburbs of Boston in the Milton-Randolph area. Also, in south-central Worcester County there was a small area that received 12 to 14 inches. The heaviest snow occurred during the early morning hours of the 3rd and made for a difficult commute, especially in the Boston area. The two busiest highways in the state were left poorly plowed at peak travel time. Most schools and some businesses were closed on the 3rd. Some final storm totals, which include light snow that fell late on the 3rd and during the early morning hours of the 4th are as follows: Boston, 13.1 inches; North Amherst, 11.9 inches; Westborough, 11 inches; Springfield, 8 inches; Fall River, 4 inches; New Bedford, 6 inches; Plymouth, 7 inches; and Provincetown, 1 inch.

MAZ002>024

Western Franklin - Eastern Franklin - Northern Worcester - Western Middlesex - Western Essex - Eastern Essex - Hampshire - Western Hampshire - Eastern Hampshire - Southern Worcester - Western Norfolk - Southeast Middlesex - Suffolk - Eastern Norfolk - Northern Bristol - Western Plymouth - Eastern Plymouth - Southern Bristol - Southern Plymouth - Barnstable - Dukes - Nantucket

07 1700EST 0 0 32M Heavy Snov 08 1700EST

An intense East Coast low pressure system moved northeast from eastern Georgia passing along the coast of the Carolinas and then close to 40 degrees North and 70 degrees West. This storm was one of the most significant winter storms to hit southern New England in the past 20 years and was named "The Blizzard of '96" as it dumped record snowfalls from the mid-Atlantic states to southern New England. Technically, this storm only reached a true blizzard by National Weather Service criteria for a few hours in a small section of eastern Massachusetts around South Weymouth during the early morning hours on January 8th. Very heavy snowfall, which was measured in feet, was the main effect of this storm. It was the most region-wide heavy snowfall since the "Blizzard of '78." Totals ranged from 15 to 25 inches, with many totals of 20 to 25 inches in parts of Plymouth and Bristol Counties. Totals of 13 to 18 inches were reported from Cape Cod and the Islands. There was a brief change to rain on parts of the Cape. More than 20 inches were reported in parts of Hampden and Hampshire Counties of western Massachusetts with more than 30 inches in some places in the Berkshires. Snowfall from this storm totalled 18 inches at Boston and the total snow depth on the ground hit 30 inches, breaking the all-time record of 29 inches set at the end of the "Blizzard of '78."

Strong to gale force northeast winds along the coast threatened to bring coastal flooding, but a wind shift to the north and parallel to the Massachusetts east coast resulted in a decreasing storm surge from around 2.7 feet to 1.9 feet at the Boston tide gauge by the time of the early afternoon high tide on January 8th. Only a few coastal roads were closed due to flooding. However, on the eastern shore of Nantucket Island, high waves and stronger than usual ocean currents eroded sand dunes and did an estimated \$200,000 damage to cottages in an area that suffered damage from previous nor'easters. A building inspector on Nantucket stated that the Gulf Stream had been displaced farther to the north than usual and that greater sea surface temperature differences caused faster currents along the shore. The main impact of this storm, though, was the closure of schools, businesses, airports, and transportation systems for a long duration.

The Massachusetts Emergency Management Agency reported damage claims of \$32 million from approximately 350 communities, mostly for the costs of snow removal (see damage figures above).

The combination of this snowfall, earlier snowfalls, and subsequent rainfall events resulted in the collapse of many roofs within a week to two weeks after the storm. In Whitman, a section of a skating rink roof collapsed, injuring four women. In Foxborough, on January 12th, after several more inches of snow and then some heavy rain, a roof collapsed at one of the water department buildings. On January 13th, a woman was evacuated from her mobile home in Marlborough after the roof collapsed. More than 70 people were evacuated from a condominium in Framingham after the roof cracked and then caved in. In Franklin, a house suffered structural damage from the weight of the snow, while in Townsend a barn roof collapsed killing 8 dairy cows. Other roof collapses were reported at a church in Chelmsford, a business in Tyngsborough, and at a mall in Tewksbury. On January 14th, the roof of a two-story house collapsed in West Springfield, resulting in an estimated \$150,000 damage to the structure. The roof of a garage in Northampton collapsed. The building was reported to be a total loss. In Monson, a barn roof collapsed. A number of people were injured when they fell while clearing snow from their roofs. On January 19th, the roof of a barn collapsed in Framingham, killing two horses.

MAZ005-007-013-019

Western Middlesex - Eastern Essex - Western Norfolk - Eastern Plymouth

10 0000EST 0 0 Heavy Snow 1800EST

	Time Local/	Path Path Length Width	Number Persons		timated amage	January 1996
ocation	Date Standard	(Miles) (Yards	Y7*** 1 Y	jured Propert		rm
MASSACHUSETTS, C						
MAZ022	Barnstable 10 0000EST		0	0	Heavy Snow	,
	2200EST	ma of 4 to 9 imphas year			•	
					tion of the state, including Cap I crews which were still clearin	
	of snow left by the "	Blizzard of '96" just t	wo days earlier.	Snow on the g	round reach two to three feet	and all communities
		• • • • • •		•	ston had 5.4 inches and the sno inches on February 7, 1978.	-
			•		d 35 inches at Maynard. At F	•
				-	ecord of 31 inches set on Febru	•
	•		•		es. On Cape Cod, Barnstable r na's Vineyard, there was 4 inch	-
	In northeast Massachi				hes. Southwest of Boston, We	•
MA7002-007-008-012	inches.	4 F N4b-	<b>XX</b> /	W4 M:11	l W4 F W4-	II
MAZ002>006-008>012	Western Franklin - Eas Western Hampden - Ea				lesex - Western Essex - Weste orcester	ern Hampsnire -
	12 1400EST		Ô	0	Heavy Snow	,
	2300EST An intensifying low	pressure system move	ed northeast fron	n the mid-Atla	ntic coast with its center pas	sing across southea
	Massachusetts into C	ape Cod Bay near Ply	mouth around 11	PM on the 12	th. This storm brought still as	nother in a seemingl
		•			were reported from the slopes Counties. Somewhat higher total	
					field and Worthington. Along	•
	•		•		nly a couple of inches accumula	
MAZ002>024					lesex - Western Essex - Easte Southern Worcester - Wester	
	_	-	-	_	n Plymouth - Eastern Plymou	
	Bristol - Southern Plym 19 1315EST	outh - Barnstable - D	ukes - Nantucket	t O	High Wind	
	1930EST		v	v	nigh white	
Hampshire County Huntington	19 1900EST		0	0	Flash Flood	
Huntington	2200EST					
		-	-		gusts to hurricane force prece	•
	•	•	-		eat Lakes region. Some peak nouth, 63 mph; Norwood Airpo	-
		•		-	ayland, telephone poles were kr	-
					ng an unknown amount of dam t a strong January thaw with te	
	- 1			_	of street flooding. In Worcesto	
					e 31. In western Massachusetts	
	•	rith a crest of 9.9 feet; t		-	a flash flood along the West Br	ranch of the westrie
MAZ002	Western Franklin		C			
	20 1700EST 21 1400EST		0	0	Flood	
MAZ016-022	Eastern Norfolk - Barn	stable				
	24 1300EST 1900EST		0	0	High Wind (	(G71)
	A strong low pressure				akes region and its accompany	
					st wind gusts of 60 mph and n	
					feet, recorded the highest peak 58 mph was reported from Ca	
MAZ002>024					lesex - Western Essex - Easte	
					Southern Worcester - Wester n Plymouth - Eastern Plymou	
	Bristol - Southern Plym			t	n i i jinoutii Lustein i i jinot	atii Southern
	27 1400EST 2100EST		0	0	High Wind	
MAZ013	Western Norfolk					
	27 2300EST 28 1600EST		0	0	Flood	
MAZ012	Southern Worcester					
	28 0500EST 1200EST		0	0	Flood	
MAZ005	Western Middlesex					
	29 0100EST		0	0	Flood	
	30 1600EST		U	U	rioou	

		Time Local/	Path Length	Path Width		ber of sons	Estim Dam			January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	

### MASSACHUSETTS, Central and East

heavy rainfall of 1 to 2 inches, and very mild temperatures rising into the 50s occurred. There were many wind gusts reported in the range of 50 to 70 mph with isolated gusts to 80 to 90 mph. A peak gust to 67 mph was recorded at the Blue Hill Observatory in Milton at an elevation of 660 feet. This was the strongest wind gust at this weather station since Hurricane Gloria in September, 1985

There were numerous trees and tree limbs being blown down, causing scattered power outages. There also were many reports of property damage, including an 80-foot section of roof torn from a hangar at Worcester Municipal Airport, where a gust to 52 mph was recorded by the automated weather station. In Tyngsboro, a large tree limb crashed down, crushing and destroying two automobiles and narrowly missing the driver of one of those vehicles. In Newton, a 100-foot by 20-foot section of roof blew off an office building and a tree crashed into the second story of a house. In Quincy, an exterior wall was ripped from a condominium but the building remained habitable. In Marlboro, a large sign broke loose, downing a power cable.

Street flooding was reported in many areas during the heavy rain as snow and ice clogged catch basins. Rainfall totals ranged from 1.5 to 2.0 inches in the Greater Boston area. Minor flooding occurred along several rivers within 12 to 48 hours following the heavy rainfall. Three rivers in eastern Massachusetts had minor flooding, including the Charles, Blackstone, and Nashua. The Charles river crested at 5.1 feet at Dover at 8 AM on the 28thh and again at 5.1 feet at 7 PM on the 30th; flood stage there is 5.0 feet. The Blackstone River crested at 9.2 feet at Northbridge at 6 AM on the 28th; flood stage is 9.0 feet. The Nashua River crested at East Pepperell on the 29th at 10 PM at 8.5 feet; flood stage is 8.0 feet.

#### MASSACHUSETTS, West

MAZ001

Berkshire

02 2000EST 03 2000EST 0 0

**Heavy Snow** 

A major winter storm developed over the Gulf coast states on January 2nd and tracked northeast along the eastern seaboard during January 3rd. Heavy snow fell across Berkshire County Massachusetts with the average snowfall ranging from 10 to 12 inches.

MAZ001

Berkshire

07 1400EST

0 80

Heavy Sno

An intense winter storm formed off the coast of South Carolina on January 7th. The system moved northeast along the east coast on Monday January 8th and into Nova Scotia by the 9th. Heavy snow fell across Berkshire County Massachusetts causing many power outages and several roofs to collapse. Some specific snowfall amounts included 32 inches in Great Barrington and 24 inches in Pittsfield.

MAZ001

Berkshire

1200EST 0300EST 0 0

**Heavy Snow** 

A winter storm formed off the coast of North Carolina on January 12th and moved northeast along the coast through January 13th. Heavy snow fell across Berkshire County Massachusetts with snowfall totals ranging from 6 to 10 inches.

10K

500K

MAZ001

Berkshire

0800EST 1900EST 0 0

**High Wind** 

An intense area of low pressure located over the Mid-Atlantic Region on Friday morning January 19th produced damaging winds across Berkshire County Massachusetts. This storm was associated with a strong southerly flow which resulted in scattered reports of downed trees, limbs and power lines.

MAZ001

Berkshire

19 1500EST

0 0

Flood

An intense area of low pressure which was located over the Mid-Atlantic region on Friday morning January 19th produced unseasonably warm temperatures, high dewpoints and strong winds. This resulted in rapid melting of one to three feet of snow. In addition to the rapid snowmelt one to three inches of rain fell as the system moved northeast along the coast. This resulted in the flooding of many small streams across Berkshire County. The Green River also flooded which washed out some side roads and the Williams River flooded some farmland.

MAZ001

Berkshire

2100EST

0 0 20K

High Wind

A strong low pressure system developed over the Great Plains on Friday January 26th and tracked northeast to the upper Great Lakes by the 27th. This system produced damaging winds across Berkshire County Massachusetts from Saturday morning through the evening hours. The damaging winds downed many trees, limbs and power lines across this area.

<b>MICHIG</b>	AN,	<b>East</b>
Lamarraa	Com	

Lenawee County						
Morenci	18	1838EST	(	0	0	Thunderstorm Wind (G50)
Saginaw County						
St Charles	18	1855EST	(	0	0	Hail (0.75)
Shiawassee County						
Corunna	18	1900EST	(	0	0	Hail (1.00)
Wayne County						
Countywide	18	1940EST	(	0	0	Thunderstorm Wind (G50)
	A stuces	s atomos tugalrad fuoms th	sa aameual mlaima mauthaaat	to mouth	ann Michigan an tha 10th	The storm decord a sold front of

A strong storm tracked from the central plains northeast to northern Michigan on the 18th. The storm dragged a cold front across southeast Michigan late on the 18th. With the passage of the front, temperatures fell from the 50s during the evening on the 18th, to the teens by late morning on the 19th. Fast-moving thunderstorms ahead of the front during the early evening on the 18th

		Time Local/	Path Length	Path Width		ber of sons	Estim Dam			January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	

### MICHIGAN, East

uprooted trees in Lenawee county, downed powerlines in Wayne county, and produced large hail in Saginaw and Shiawassee counties.

### **MICHIGAN, Extreme Southwest**

NONE REPORTED.

MICHIGAN, North

NONE REPORTED.

### MICHIGAN, Upper MIZ001>007-009>014

Keweenaw - Ontonagon - Houghton - Baraga - Marquette - Alger - Luce - Gogebic - Iron - Dickinson - Menominee - Delta - Schoolcraft

18 0000EST 0 0 Winter Storm 20 0800EST

A complex synoptic situation lead to a wide variety of precipitation across Upper Michigan. Low pressure moved north into Northern Wisconsin during the morning of the 18th. An associated warm front moved northwest out of Lake Michigan and Lower Michigan reaching as far west as Iron River, Baraga and Keweenaw Bay in Lake Superior before stalling around 6 am on the 18th. Ahead of the

warm front, the precipitation was a mixture of sleet and freezing rain that changed over to rain as the front passed. Areas that remained west of the warm front received a mix of heavy snow, sleet and freezing rain. Between 8 and 10 am on the 18th, the low over Northern Wisconsin weakened and was absorbed into a developing low pressure system over Northern Illinois. The front across Upper Michigan began to move east as a cold front, changing the rain into freezing rain and sleet over Central Upper Michigan. Considerable street flooding was reported in Iron Mountain, Escanaba and Marquette as snow and ice clogged sewer drains. At the same time, Arctic air moved in behind the cold front creating, near blizzard conditions between Ironwood, Ontonagon, Houghton and Copper Harbor. The mixed precipitation over Central Upper Michigan changed to all snow by 1 am on the 19th. As the system snow moved out on the morning of the 19th, lake effect snow remained over the Keweenaw Peninsula and Alger and Luce Counties until the morning of the 20th.

In West Upper Michigan, where the precipitation was mostly snow, 44 inches fell at Silver City and 40 inches fell at Ontonagon. Other snow reports included 26 inches at Houghton, 23 inches at Copper Harbor, 21 inches at Pelkie, 16 inches at Ironwood, 13 inches at L'anse and 11 inches at Watersmeet.

Over 2 inches of rain and freezing rain fell over parts of South Central Upper Michigan on the 18th. Amounts included 2.70 inches at Spaulding, 2.30 inches at Cornell, 2.20 inches at Stephenson, 2.15 inches at Iron Mountain and 2.12 inches at Fayette.

Over North Central Upper Michigan, a combined total of 10 to 12 inches of snow and ice pellets fell between Champion, Marquette and

Skandia during the afternoon and evening of the 18th.

Further east, Alger and Luce Counties received between 1 and 1.5 inches of rain and freezing rain on the 18th. After the precipitation changed to snow during the evening of the 18th, the area received 5 to 9 inches of snow with the heaviest snow at Pine Stump Junction, 15 miles north of Newberry.

### MIZ001>007-009>014

Keweenaw - Ontonagon - Houghton - Baraga - Marquette - Alger - Luce - Gogebic - Iron - Dickinson - Menominee - Delta - Schoolcraft

26 2000EST 0 0 Heavy Snow

Low pressure moved across Eastern Wisconsin, Northern Lake Michigan and Eastern Upper Michigan on the 27th. Heavy snow developed over Central Upper Michigan around 8 pm on the 26th and spread to West Upper Michigan during the night. Strong northeast winds brought lake-enhanced snow from Lake Superior to Central Upper Michigan. This significantly increased snowfall amounts over

Marquette County where 28 inches of snow fell at Champion and Skandia, 25 inches fell at Marquette and 20 inches fell at Gwinn. Most locations across West and Central Upper Michigan had storm totals between 8 and 14 inches. Wind gusts of 40 to 50 mph created blizzard conditions during the day on the 27th, closing major highways, most businesses and forcing plows off the roads. Several motorists were stranded for a few hours during the late morning and early afternoon, due to blowing and drifting snow, on US41 between Marquette and Harvey.

### MIZ001>007-009>014

Keweenaw - Ontonagon - Houghton - Baraga - Marquette - Alger - Luce - Gogebic - Iron - Dickinson - Menominee - Delta - Schoolcraft

29 0600EST 0 0 25K Blizzard 31 0600EST

Low pressure moved east from Minnesota through Upper Michigan during the day on the 29th. At the same time a strong cold front moved through the region. Behind the cold front, strong west winds between 25 and 35 mph developed. The result was whiteout conditions due to blowing and drifting snow across the region on the afternoon and evening of the 29th. Peak wind gusts included 51 mph at the Marquette County Airport, and 45 mph at Escanaba and Houghton.

After the winds settled during the early morning of the 30th, Arctic air blowing over the relatively warmer waters of Lake Superior brought heavy lake-effect snow to the Keweenaw Peninsula and to Alger and Luce Counties in North Central Upper Michigan. The snow continued through the morning of the 31st. Snow totals included 28 inches at Silver city, 22 inches at Bumbletown (15NE of Houghton), 21 inches at Rockland, 16 inches at Munising, Pelkie and Pine Stump Junction and 14 inches at Ontonagon.

		Time	Path	Path	Number		Estimate			January 1996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed In	jured	Damage Property		eter of Storm	
MICHIGAN, Upper										
MIZ002>005-009>012	Ontonagon 31 An Arcti- River,	- Houghton - 0000EST 1200EST c airmass bro	- Baraga - M	larquette - (	Gogebic - Iron 0	- Dick 0 chigan.	Some low to	emperatures incl	reme Cold	east of Houghton.  Amasa, -40 at Iron
MICHIGAN, West Cass County			r	,						
Union	18 Spotter re	1625EST eported trees b	olown down l	y thundersto	orm winds.	0		Thu	nderstorm	Wind (G62)
St. Joseph County 4 N Three Rivers to Three Rivers	18 Spotter re	1645EST	oh wind gust :	at Three Rive	<b>0</b> ers with large t	0 ree liml	bs blown dow		nderstorm	Wind (G63)
Allegan County 5.4 NE Plainwell	18	1655EST			0 d to be remove	0		Thu	nderstorm	Wind (G52)
Kalamazoo County Richland	The wind down abo	l lifted a 10' b	y 12' metal st om its origin	torage shed t al position.	hat had been ti Contents of the	ed with	guy wires, c	ng between his h arried it over a 4	foot chain li	neighboring house. ink fence, and set it ver, bikes, and yard
Calhoun County Battle Creek	18	1715EST 1716EST			0	0 Wind	over to 60 mm	Thu		Wind (G52)
Eaton County	A dozen	nees wini pov	verimes down	i on the sout	ii side oi towii.	willa ş	gust to oo mp	in reported by fin	z departmen	l <b>.</b>
Grand Ledge	18	1755EST 1756EST			0	0	0.50K	Thu	nderstorm	Wind (G52)
	Trees we	re blown dow	n, one of the	m onto a hou	se.					
Clinton County St Johns	18 Spotter n	1807EST 1808EST neasured 58 m	nnh wind gus	•	0	0		Thu	nderstorm	Wind (G50)
MIZ056>057-064>065- 072>073	•	ent - Allegan			Calhoun					
0/2/0/3	and prom	pted the closi	ng of many r	oads, includi	ng Interstate 9	4 betwe	en Kalamazo	gerous driving co	ek and U.S.	oughout the region, 131 north of Grand snow.
MIZ037>040	29 30	ke - Osceola 0700EST 0700EST			0	0			nter Storm	
MINNESOTA, Central	_		5 inch snowf	all combined	to create drifts	s of 2 to	3 feet and cu	artailed transport	ation across	the region.
MNZ058>063-065>070- 074>079-083>086		-	_	-	- Washington - Blue Earth 0			Dodge	er - Scott - I vy Snow	Dakota - Brown -
		n of Stewart 1	received 7 in	ches while 6	5 inches of sno	ow was	measured at	Chanhassen, Sa	vage, Mank	ato, Litchfield and
MNZ041>045-047>059- 064>066-073>074	Qui Parle - 17 18	Swift - Chip 0900CST 1800CST	pewa - Kand	liyohi - Mee	ker - Wright · 1	· Yellov 0	w Medicine -		od - Redwo zard	od - Brown
	foot or m 60 mph o closed or from New became 1	nore in Little l on the 18th als on the 18th. No w Ulm to Sle	Falls, Melros so resulted in ear Blizzard c epy Eye was teout condition	e, Alexandri dangerous veonditions we closed for ons. His boo	a and Staples wind chills of a cree found as fa time due to	with 6 to 70 belov r south drifting	o 11 inches in w to western as Fairmont of snow. One	n St. Cloud, Ben Minnesota. Mar despite significar man left his car	son and Can ny schools an ntly less snow after hitting	Snowfall reached a aby. Wind gusts to and businesses were wfall. Highway 14 g a snowbank, and a and about 2 miles

north of the town of Foley. M56OU

		Time Local/	Path Length	Path Width	Number o Persons		Estimated Damage	January 1996
Location	Date	Standard	(Miles)	(Yards)		ured Prope		Character of Storm
MINNESOTA, Central	and South (	<u>Central</u>						
MNZ060>063-067>070- 075>076-082>083	Hennepin -	Anoka - Rams	sey - Washi	ngton - Sib	ley - Carver - S	Scott - Dako	ta - Nicollet - L	e Sueur - Watonwan - Blue Earth
	17 18	1400CST 0100CST			0	0		Ice Storm
	Minnesot inch thick outages. the 22nd. metro are the night	aded period of a. Over 1 inch k ice accumula More than 180 The entire tove a to assist peop of the 17th cha	n of rain occ ations over 0,000 metro wn of Lafay ple who we nging the ra	curred over a much of the residents we ette in Nicol re forced fro in to light sa	much of the are e Minneapolis/Sere without pow llet County was om their homes now and caused	a resulting in St. Paul metror for some without pow due to a lack one foot thick	n street flooding ro area resulted part of the storr ver for a time. 5 k of heat. Sign ck ice to form or	
MNZ077>078-084>088- 093>096	Rice - Good	lhue - Waseca	- Steele - D	odge - Olm	sted - Winona	- Freeborn	- Mower - Filln	nore - Houston
	17	1400CST			0	0		Heavy Snow
	below fre accumula brought n	eezing resulting ations of 4 to 8 hear whiteout co	g in widesp inches. Ro onditions at	read icing a chester rece times. Scho	and glaze. In a sived 7 inches wools were closed	ddition, sno hile Lanesb Thursday.	ow redeveloped oro and Winona	weather. Temperatures dropped rapidly in the early morning of the 18th with a both received 6 inches. Strong winds
MNZ041>045-047>070- 073>078-082>085- 091>093	Qui Parle - Renville - M	Swift - Chippe	ewa - Kand - Carver -	iyohi - Mee Scott - Dak	ker - Wright - tota - Redwood	Hennepin -	Anoka - Rams	herburne - Isanti - Chisago - Lac ey - Washington - Yellow Medicine - eur - Rice - Goodhue - Watonwan -
	18	1800CST	eie - Mai u	ıı - Fai iyau	0	0		Extreme Windchill
	19 More the	1700CST	including t	nose in the	Minneanolie/St	Daul matro	area were close	ed due to extreme cold and wind chill
	which lin winds dir	gered from the	18th when	very cold ai	r overspread the	e region. Wi	nd chills were fi	requently 50 below zero or colder. The Many locations neared record cold the
MNZ074>079-082>088-							ue Earth - Was	eca - Steele - Dodge - Olmsted -
091>096	Winona - M 25	lartin - Fariba 0200CST	ult - Freeb	orn - Mowe	er - Fillmore - 1 0	Houston 0		Heavy Snow
		1100CST	c .1	3.6"		136 1	. 16: 1	•
MNZ079-086>088-					ota. Rochester a - Fillmore - Ho		received 6 inch	es while Albert Lea received 8 inches.
094>096	26	1100CST			0	0		Blizzard
	<b>27</b> Heavy sn Lanesbor	0300CST now and strong to and Winona,	8 inches at	Rochester a	d conditions to	a portion of ny roads we	re closed in Sou	donia reported 14 inches, 10 inches at atheast Minnesota due to blowing snow
MNZ041>044-047>049		-		-	s - Pope - Stea			
	28 29	0400CST 0500CST			0	0		Heavy Snow
								snowfall to much of central Minnesota. rose, Isle and Morris.
MNZ041-047>048- 054>057-064>065- 073>078-082>088- 091>096	Douglas - Si Nicollet - Lo	tevens - Pope -	- Lac Qui P - Goodhue	arle - Swift - Watonwa	: - Chippewa - I n - Blue Earth	Kandiyohi -	Yellow Medici	ine - Renville - Redwood - Brown - - Olmsted - Winona - Martin -
0912090	28	2300CST			0	0		Blizzard
	of wester	n and southern ar Austin for a	Minnesota.	Visibilities	were frequentl	y near zero i	in the open coun	sulted in blizzard conditions over much try due to blowing snow. Interstate 90 chester resulted in setting new January
MNZ041>045-047>070- 073>079-082>088- 091>096	Qui Parle - Renville - M Watonwan	Swift - Chippo Icleod - Sibley	ewa - Kand - Carver -	iyohi - Mee Scott - Dak	ker - Wright - tota - Redwood	Hennepin -   - Brown -	Anoka - Rams Nicollet - Le Su	herburne - Isanti - Chisago - Lac ey - Washington - Yellow Medicine - eur - Rice - Goodhue - Wabasha - ılt - Freeborn - Mower - Fillmore -
	Houston 31	0400CST 2300CST			0	0		Extreme Cold
		y cold air settl			•			ugh February 4th. A new record low

temperatures were set during the period at St. Cloud, Rochester and the Twin Cities. Minneapolis/St. Paul set three new record low temperatures as well as recording the second coldest day on record on 2/2. A mean temperature of 25 degrees below zero was measured that day with a high of 17 below and a low of 32 degrees below zero. This was within two degrees of tying the all-time record low temperature set in the Twin Cities and the coldest temperature recorded this century. Many central and southern

		Time Local/	Path Length	Path Width		ber of sons	Estima Dama			January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	

### MINNESOTA, Central and South Central

Minnesota locations set new record low temperatures the morning of the 2nd. The governor closed all schools that day.

### MINNESOTA, Northeast

MNZ012-018>021-025>026-033>038 Northern Cook / Northern Lake - Northern Itasca - Central St. Louis - Southern Lake - Southern Cook - Northern Cass - Southern Itasca - Southern Cass - Crow Wing - Northern Aitkin - Southern Aitkin - Southern St. Louis / Carlton - Pine

17 1800CST 0 0 Heavy Snow 19 0500CST

An intense winter storm moved across the central plains, toward the Great Lakes, producing a variety of severe winter weather over northeast Minnesota and creating what many considered to be the worst storm since the Halloween Blizzard of 1991. Warm air moved into the region ahead of the storm, causing precipitation initially in the form of freezing rain. The freezing rain then changed over to snow, eventually producing from 9 to 18 inches, with the heavier amounts in the Arrowhead region of extreme northeast Minnesota. Duluth received 14.9 inches. As the storm moved away from the region, northwest winds increased, gusting to over 40 mph and causing near-blizzard conditions and wind chills as low as 70 below zero. Many roads were closed by snow that drifted as deep as 5 feet in places. The extreme weather conditions caused the closing of schools and curtailed mail delivery, bus service, and airport operations.

MNZ012-018>021-025>026-033>038 Northern Cook / Northern Lake - Northern Itasca - Central St. Louis - Southern Lake - Southern Cook - Northern Cass - Southern Itasca - Southern Cass - Crow Wing - Northern Aitkin - Southern Aitkin - Southern St. Louis / Carlton - Pine

A strong winter storm moving through the upper Midwest produced heavy snowfalls over northcentral and northeast Minnesota, ranging from 6 to 16 inches. The heavier amounts fell along the north shore of Lake Superior where wind flow off the lake and terrain effects helped enhance the snowfall. Finland had 16 inches, Grand Marais received 14 inches, and a foot of snow fell on Silver Bay. After the center of the storm passed to the east, strong northwest winds created near-blizzard conditions and wind chills as low as 70 below zero.

### MINNESOTA, Northwest

MNZ001>005-007>008-013>015-022-027-029>030 West Polk - Norman - Clay - Kittson - Roseau - West Marshall - East Marshall - Pennington - Red Lake - East Polk - Mahnomen - West Becker - Wilkin - West Otter Tail

17 1500CST 0 0 Blizzard 18 1400CST

A strong low pressure system over the Central Plains brought a combination of heavy snow, strong wind, and subzero temperatures to northwest Minnesota. 16 inches of snow fell in Moorhead with most areas reporting 8 to 13 inches. A northwest wind gusting up to 55 mph created drifts up to 10 feet high. Law enforcement officials advised no travel and closed Interstate 94 from Moorhead to Fergus Falls, US Highway 10 from Moorhead to Detroit Lakes, and US Highway 2 from East Grand Forks to Crookston. The Clay County Sheriff threatened to arrest any non-emergency travellers. At the height of the blizzard, a National Guard tank was dispatched from Crookston to find a missing snowmobiler and a motorist. 4 people in 3 vehicles were stranded on the night of the 17th. The 4 occupants survived unharmed for several hours before they were found. Many schools closed at noon on the 17th and did not re-open until the 22nd. Several minor power outages were reported in Clay County.

### MINNESOTA, Southeast

NONE REPORTED.

### **MINNESOTA**, Southwest

MNZ071>072-080>081-089>090-097>098 Lincoln - Lyon - Murray - Cottonwood - Nobles - Jackson - Pipestone - Rock

17 1600CST 0 0 90K Blizzard 18 1900CST

A blizzard moved over the area from the northwest with snow and winds up to 45 mph. New snowfall was generally 2 to 4 inches, but schools, businesses, and other activities were brought to a halt and travel was impossible at times with zero visibility and blocked roads. Damage was mainly some downed power lines and broken pipes where furnaces failed.

MNZ081-089>090 Cottonwood - Nobles - Jackson

17 1700CST 0 0 350K Ice Storm

Freezing rain caused severe icing which resulted in damage to trees and power lines. The damage was increased by strong winds which developed as the freezing rain changed to snow. Damage from a building fire near Mountain Lake was aggravated by the inability of firefighters to respond quickly due to the icy roads. Icing of furnace regulators also occurred resulting in furnace shutdowns.

MNZ089>090-097>098 Nobles - Jackson - Pipestone - Rock

24 2300CST 0 0 8K Heavy Snow 25 1000CST

Snow accumulating 5 to 10 inches fell over the southwest corner of Minnesota from Pipestone and Luverne east to the Jackson area. Minor drifting accompanied the snow. The only reported damage resulted from a non-injury collision between a semi and a snowplow on Interstate 90 near Beaver Creek.

MNZ071>072-080>081- Lincoln - Lyon - Murray - Cottonwood - Nobles - Jackson - Pipestone - Rock 089>090-097>098

29 0900CST 0 0 5K Extreme Windchill 31 2359CST

Bitterly cold air and strong winds caused wind chill readings as cold as 80 below zero. The extreme wind chills cancelled some schools and other activities and contributed to a water main break in Marshall.

			<u> </u>		<u> </u>			
	_	Time Local/	Path Length	Path Width	Number Persons	8	Estimated Damage	January 1
ocation	Date	Standard	(Miles)	(Yards)	Killed Ir	ijured ]	Property Crops	Character of Storm
MINNESOTA, West								
	NONE	REPORTED.						
MINNESOTA, West C								
MNZ039-046	Traverse - 10	Big Stone 1000CST			0	0		Ice Storm
		1400CST						
		ead freezing ra vas significantly			from the mic	ldle mori	ning to the early af	ternoon, laying down a thin layer of
MNZ039-046	Traverse -		y slowed as	a resuit.				
	17	1500CST			0	0		Blizzard
	18 Twelve	1800CST to 15 inches of	snow, high	winds from 4	40 to 60 mph.	and cold	arctic air resulted	in blizzard conditions and extreme
								evening of the 18th. Schools and
								icult with the near zero visibility.
		to eight foot on, Clinton, and		ces with some	roads blocke	d. Snow	raii amounts includ	ed, 12 inches at Ortonville, 15 incl
MNZ039-046	Traverse -							
	28 29	2200CST 2300CST			0	0		Extreme Windchill
			50 below t	o 70 below d	eveloped from	the late	evening of the 28t	h to the late evening of the 29th as
		r moved in and						-
MNZ039-046	Traverse - 29	Big Stone 0400CST			0	0		Blizzard
		1000CST						
								e middle morning of the 29th. Bli
MISSISSIPPI, Central		ns developed if	i the early h	norning of the	29th as cold a	ircue air	moved in and north	west winds increased to 25 to 45 m
MSZ018	Bolivar							
	18	0745CST			0	0	5K	High Wind (G40)
		buildings recei ciated with thu		mage. Three	vehicles were	damage	d and one destroye	d. Winds were estimated at 40 mp.
MSZ035	Humphrey		ilderstorins.					
	18	0825CST			0	1	10K	High Wind (G40)
	-	nd flipped a tra and was release		on Highway	49. One perso	on was in	ijured and taken to	the hospital. The person required
Marion County	suiches	and was release	zu.					
Columbia	18	0930CST			0	0	10K	Tstm Wind/Hail
1.507.000	_	-	half and fe	ll on a house	causing extens	sive dama	age. Several other to	rees were blown down.
MSZ028	Montgome 18	ery 0945CST			0	0	50K	High Wind (G40)
			re store wa	as destroyed.	The roofs of	-		blown off and there was water da
2.5050.45		ds. Several oth	er trees wer	e blown down	in Kilmichae	l.		
MSZ045	Neshoba 18	1030CST			0	0	4K	High Wind (G45)
			ne to the roo	ofs of two hou				occured 9 miles south of Philadelph
	•	oad 248 off sta	te road 15.					
MSZ057	Jasper 18	1216CST			0	0	5K	High Wind (G40)
		nes were blows	n down on H	Highway 18 no			JK.	Ingh White (G40)
Scott County								
10 NW Forest to Forest	18	1500CST			0	0		Hail (0.75)
Scott County								
Forest	18	1530CST			0	0		Hail (0.75)
Neshoba County 5 S Philadelphia	18	1540CST			0	0		Hail (1.75)
Newton County	10	1540051			U	U		Hall (1.75)
Union	18	1540CST			0	0		Hail (0.75)
Washington County	22	2020.CCT			Δ	Λ	5V	T-4 117 1/11 **
Hollandale	23 Eight po	2030CST ower poles were	blown dow	n and numero	ous trees were	0 blown do	5K own. Several buildi	Tstm Wind/Hail ngs were damaged.
<b>Newton County</b>	o Po	1 2223 310						<u></u>
Chunky	26	0700CST			0	0		Hail (0.75)
Hinds County	26	0725CCT			Δ	Λ	40V	Thundanstone Wind (C50)
Jackson	26 The root	0725CST fs of four build	ings were d	amaged and a	0 n observatory	was dam	<b>40K</b> naged a Millsaps Co	Thunderstorm Wind (G50) ollege. Several trees and power line
	blown d		.o u		y	Juli		

		Time	Path	Path	Number	of	Estimated	January 1006
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Person		Damage Property Crops	January 1996 Character of Storm
MISSISSIPPI, Central		Standard	(Mines)	(Tarus)		,	Troperty Crops	Character of Blothi
Hinds County								
Jackson	26	1300CST 1500CST			0	0		Flash Flood
	Numero	ous streets were	flooded alon	g with small	creeks.			
Rankin County Brandon	26	1300CST 1500CST			0	0		Flash Flood
	Several	small creeks ov	erflowed the	eir banks and	numerous str	eets wei	re flooded.	
Marion County								
Columbia Marion Arpt	<b>26</b> Several	1455CST trees were blow	n down.		0	0	1K	Thunderstorm Wind (G50)
Jones County	26	1505CCT			0	0		11-31 (0.75)
5 W Laurel	26	1505CST			0	U		Hail (0.75)
Covington County Collins	26	1520CST			0	0		Hail (1.00)
Jones County Ellisville	26	1530CST			0	0		Hail (1.00)
Jefferson Davis County	20	1550C51			U	U		Hall (1.00)
Melba	26	1544CST			0	0		Hail (1.00)
Rankin County								((
Pelahatchie	26	1600CST			0	0		Flash Flood
		1730CST						
	Many s	treets and road	were underw	ater.				
Marion County	26	1/22 CCT			0	0		T 1 (1 77)
Sandy Hook	26	1623CST			0	0		Hail (1.75)
Lamar County 4 NE Oak Grove to Oak Grove	26	1702CST			0	0		Hail (0.75)
Forrest County								
Hattiesburg	26 Numero	1730CST ous windows we	ere broken ou	it and numer	0 ous automobil	0 les were	250K damaged.	Hail (2.75)
Lauderdale County								
Meridian	30	1735CST			0	0		Hail (0.75)
Simpson County								
Mendenhall	30	1827CST	11	11 1	0	. 0	1K	Tstm Wind/Hail
V 1 1 G	A coup	le of trees and p	ower lines w	ere blown do	own and a trai	ier nad	minor damage.	
Neshoba County 5 NE Philadelphia	20	1940CCT			0	0		Heil (0.75)
	30	1840CST			U	U		Hail (0.75)
Hinds County Clinton	30	1930CST			0	0		Hail (0.75)
	30	1930CS1			U	U		Hall (0.75)
Rankin County Sand Hill	30	2000CST			0	0	30K	Thunderstorm Wind (G50)
Sanu IIII		hicken houses v	vere totally d	estroved.	Ū	U	3011	Thunderstorm Wind (G50)
Rankin County				<i>j</i>				
2 SE Cross Roads	30	2045CST			0	0		Thunderstorm Wind (G55)
	Numero	ous trees were b	lown down.	Tin was blov	vn off the roof	f of a vo	lunteer fire departme	nt. A barn was totally destroyed.
Kemper County								
Porterville	30	2125CST			0	0		Hail (0.88)
MISSISSIPPI, North								
De Soto County								
South Haven	18	0850CST 0855CST			0	0	10K	Thunderstorm Wind
	Numero	ous trees and po	wer lines we	re blown dox	x/n			
Tallahatchie County	rvaniere	ous trees und po	wer mies we	ic olown do	.,			
Leverett	18	0850CST			0	0	10K	Thunderstorm Wind
Deveren		0855CST						
				ffered roof a	nd other dama	age. On	e tree was uprooted.	Several tree limbs, antennas and power
	lines we	ere knocked dov	vn.					
Marshall County	40	000500	^ -	*^	^	^	0.0517	T 1 (TO)
Byhalia	18	0905CST 0906CST	0.1	10	0	0	0.05K	Tornado (F0)
	A torna	do briefly touch	ed down pro	ducing little	damage.			
Pontotoc County		, ,	- F-0	<i>5</i>				
5 SE Pontotoc to	18	1040CST	1	25	0	1	30K	Tornado (F0)
4 SE Pontotoc		1045CST	actroved at t	he Blook 7:	on Communit	v nace l	Pontotoe One weems	n sustained minor cuts and bruises. Six
	4 1 111001	no nome was u	couvyou at t	III DIACK CIC	Communit	, iicai i	ontotoe. One wollid	n sastanica minor cuts and bruises. SIX

A mobile home was destroyed at the Black Zion Community near Pontotoc. One woman sustained minor cuts and bruises. Six other mobile homes were damaged. Trees and power lines were also blown down.

		Time	Path	Path	Number		Estimated		January 1996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed Ir	s ijured	Damage Property Crops	Character of Storm	January 1990
MISSISSIPPI, North									
Lee County Tupelo Arpt	18	1045CST 1050CST			0	0	10K	Thunderstorm	Wind
	A roof w	as blown off a	maintenance	shed at the	Tupelo Airpor	t.			
Itawamba County Fulton	18	1100CST 1105CST			0	0	5K	Thunderstorm	Wind
	A shed w	as damaged. S	Several trees	and power li	nes were knoc	ked dov	vn.		
Prentiss County									
Booneville	18	1113CST 1118CST ees were blown	n down		0	0	5K	Thunderstorm	Wind
Lee County	A lew tre	ees were brown	ii uowii.						
Tupelo	18	1115CST 1120CST			0	0	5K	Thunderstorm	Wind
	Several s	mall buildings	s near a Wal-l	Mart were bl	own away. A	diesel tr	ruck was overturned.		
Lowndes County Columbus	18	1135CST			0	0	5K	Thunderstorm	Wind
Columbus		1140CST igns were blow	wn down. A l	arge tree was				Thunderstorm	Willu
<b>Monroe County</b>		C							
Smithville	18	1140CST 1145CST ees were blown	n down		0	0	2K	Thunderstorm	Wind
	A lew ite	ses were blown	ii dowii.						
Tishomingo County Iuka	18	1153CST			0	0	2K	Thunderstorm	Wind
	Como tuo	1158CST	ad darrm						
MISSISSIPPI, South	Some tre	es were knock	lea down.						
Hancock County									
Pearlington	18 A tin roo	1315CST f was blown o	ff a marina.		0	0	8.5K	Thunderstorm	Wind
Hancock County									
Waveland	18 Lightnin	1345CST g struck a trans	sformer and i	nterrupted el	ectric service	0 to sever	1K ral customers.	Lightning	
Harrison County	10	1.410.CCT			0	0	0.501/	Th 1 4	XX/2 J
10 N Gulfport to Gulfport	18	1410CST e home sustain	ed minor dan	nage	0	0	0.50K	Thunderstorm	wina
Jackson County	71 moone	nome sustam	ica minor dan	nuge.					
Hurley	18 The publ	1520CST ic reported tha	<b>0.1</b> at a tornado to	10 ouched down	0 momentarily	0 without	causing any damage	Tornado (F0)	
Hancock County		0.04 F.CCC					477		
15 N Kiln to Kiln	24	0215CST			0	0	1K	Thunderstorm	Wind
	Trees we	ere downed on	Wolfe Creek	Road in Sta	ndard Commu	nity.			
Hancock County 10 N Kiln to Kiln	24	0230CST			0	0	3K	Thunderstorm	Wind
KIIII	Trees we	ere downed on	Wolfe Creek	Road in Sta	ndard Commu	nity.			
<b>Harrison County</b>						•			
Biloxi	<b>24</b> Highway	0330CST lights were bl	lown over on	Mississippi	<b>0</b> State Highway	<b>0</b> 7 90.	7K	Thunderstorm	Wind
Amite County Gillsburg	26	1210CST			0	0		Hail (1.75)	
	Civil De	fense reported	hail covered	the ground.					
Pike County Chatawa	26	1225CST	d a funnal ald	and One hel	0	0	ed in Magnolia.	<b>Funnel Cloud</b>	
Amite County	51101111 8	Office reporte	a a ruilliei Cl	Jua. One na	ıı incii ilali wa	s report	ca in magnona.		
Liberty	26 Trees do	1230CST wned on Bean	Road.		0	0	2K	Thunderstorm	Wind
Pike County									
Mc Comb	<b>26</b> Quarter s	1235CST size hail was re	eported.		0	0		Hail (1.00)	

		Time	Path	Path	Numl	per of	Estimat	ed		January 1996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Pers Killed	sons Injured	Damag Property		Character of Storm	January 1770
MISSISSIPPI, South										
Pike County										
Fernwood	26 Golf ball	1330CST size hail was r	enorted by	Sivil Dafanca	0	0			<b>Hail</b> (1.25)	
Walthall County	Gon ban	size iiaii was i	eported by C	Jivii Delelise.						
8 N Salem	<b>26</b> Nickel si	1410CST ize hail was rep	orted.		0	0			Hail (0.88)	
		··								
Jackson County 10 NNE Pascagoula	26	1500CST			0	0	0.50K		Thunderstorm	Wind
8		storm winds da	maged a mo	bile home roo		Ů	0.0011		Thunder 5001 m	· · · · · · · · · · · · · · · · · · ·
Pike County 5 NNW Osyka	<b>26</b> Sheriff's	1800CST Office reported	l a house an	d two sheds d	<b>0</b> amage, a b	0 parn destro	75K byed and a fe	w trees do	Thunderstorm wned.	Wind
MISSISSIPPI, Southeast George County	4									
Lucedale	26	1655CST 1656CST			0	0	2K		Thunderstorm	Wind (G50)
	SEVERA	AL TREES AN	D POWER	LINES WERI	E BLOWN	DOWN .	JUST EAST	OF LUCE	EDALE.	
Wayne County Clara	26	1825CST			0	0	2K		Thunderstorm	Wind (G50)
	SEVERA	1826CST AL TREES AN	D POWER	LINES WERI	E BLOWN	DOWN I	NEAR CLAI	RA.		, ,
Perry County										YY 1 (C.50)
New Augusta	26	1945CST 1946CST			0	0	2K		Thunderstorm	, ,
MISSOURI, East	SEVERA	AL TREES AN	D POWER	LINES WERI	E BLOWN	DOWN	OFF OF US	HWY 98.	JUST NORTH OF I	NEW AUGUSTA.
MOZ041>042-047>052- 059>065-072>075- 084>085-099									nde - Warren - St. ieve - Iron - Madis	Charles - Franklin on - Reynolds
	02	0300CST 2300CST			0	0			Winter Storm	
	were kil occurred	led in an auto . More than 16 anuary 2nd afte	mobile cras 50 airline fl	h on a snow ights were ca	y road ne ncelled ou	ar Mexicont of Lam	o MO in A	udrain Co in St. Lou	unty. Numerous m is. Most schools so	e area. Two persons inor accidents also cheduled to resume remained closed for
MOZ026>027-034>036-	Shelby - M	arion - Monro	e - Ralls - I	Pike - Roone .	. Callaway	v - Lincol	n - Warren	- St. Chai	rles - Franklin - St.	Louis - St Louis
041-050-052-060>064	(C)		2 2 2 2 2	200110	0	0	. ,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	500 01101		Zouis Su Zouis
	03 04	1600CST 1124CST					. 1	.1 .	Winter Storm	' d
	3rd and inches o	morning of the f snow fell acr	4th. Heavie	r snow fell in with the gre	western Natest amou	Missouri b unts along	out the storm g the Mississ	weakened sippi river	slightly as it move in eastern Marion	ouri the night of the d east. Two to four and Ralls counties. abert Airport on the
St. Charles County St Peters	18	0720CST			0	0	200K		Thunderstorm	Wind (G93)
	Thunder				lamaged a			Peters. Sev		nd associated walls
St. Francois County			na siunig da	mage occurre					_	
Farmington									Thunderstorm old Fredericktown R	Wind (G48) oad in Farmington.
MISSOURI, Lower	The driv	er suffered min	or injuries.	Other trees we	ere downed	a along Co	ounty Road I	Ν.		
<b>Pemiscot County</b>	10	AQAE/CCT	2	50	0	0	50K		Tormada (E1)	
12 W Caruthersville to 10 W Caruthersville		0805CST 0811CST						m form 1	Tornado (F1)	o with laws - f
	equiptme		ver the area	Several hous						se with large farm ocked down. Some

		Time	Path	Path	Numb	er of	Estima	ated	January 1004
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Perso Killed	ons Injured	Dama Property		January 1996 Character of Storm
MISSOURI, Lower		Startage	(2-2223)	(14145)			Troperty	Сторь	
<b>Pemiscot County</b>									
1 N Wardell	18	0830CST 0835CST			0	0	2K		Thunderstorm Wind
	A satelli	te dish was pu	lled out of the	e ground. A r	oof was par	tially dan	naged.		
Pemiscot County									
Mccarty	18	0830CST 0835CST			0	1	20K		Thunderstorm Wind
	A mobile		erturned. On	e child inside	e the mobile	sustaine	d minor inju	ıries. Two	automobiles were also damaged.
MISSOURI, Northwest									
	NONE	REPORTED.							
MISSOURI, Southeast	Downey Dol	llingon Cono	Cinandaan	Warma Ca	autan Dini	low Dutl	on Stadda	ud Coots	
MOZ076-086>087-100- 107>111	Perry - Boi	llinger - Cape	Girardeau	· wayne - Ca	arter - Kipi	iey - Buu	er - Stoda	ıra - Scou	Į.
	02	0800CST 2200CST			0	0			Winter Storm
									as driving conditions. Snowfall amount
									and Carter Counties. Southeast of there early as road conditions deteriorated
	Numero		ccurred, but						ri escaped a more serious snowfall tha
MOZ076-086>087-100-				- Wayne - Ca	arter - Ripl	ley - Butl	ler - Stodda	ard - Scot	t - Mississippi - New Madrid
107>112-114	06	0400CST			0	0			Snow
	Δ light t	2300CST	owfall reculte	d in Q accide	nte Snowfa	ll amoun	te incressed	from wee	t to east. Generally 2 to 4 inches fell eas
		r Bluff, and an					is increased	mom wes	to east. Generally 2 to 4 menes len eas
Carter County									
2 W Elsinore	18 Roofs w	0745CST ere blown off	and trees wer	e down.	0	0			Thunderstorm Wind
Ripley County 8 WSW Doniphan	18	0745CST			0	0	8K		Thunderstorm Wind
o wow Domphan		ees were down	ı <b>.</b>		v	v	OIX		Thunderstorm wind
Wayne County 3 ENE Piedmont	18	0750CST			0	1	75K		Thursdongtons Wind
5 ENE Pleumont			d a barn we	re heavily da				thundersto	Thunderstorm Wind orm winds. One person sustained mino
	injuries.			•		•	•		•
Ripley County 1 E Naylor	18	0750CST			0	0	8K		Thunderstorm Wind
111/101		ns were damag	ged, and pow	er lines were		Ů	011		Thunderstorm vyma
Butler County	10	0020.000			0	0	10K		Th J W.: J
10 W Poplar Bluff	18 Thunder	0820CST storm winds d	owned trees	and power lir	es.	0	10K		Thunderstorm Wind
Stoddard County									
5 SE Dexter	18	0830CST	1	15	0	0	8K		Thunderstorm Wind
New Madrid County	Large tre	ee limbs were	own on pow	er lines.					
Risco	18	0839CST			0	0	75K		Thunderstorm Wind
N. M. I. I.C.	Part of the	he roof of the I	Risco elemen	tary school w	as blown of	ff. School	l was in sess	sion, but n	obody was hurt.
New Madrid County Matthews	18	0845CST			0	0	5K		Thunderstorm Wind
		oles were snap	ped.						
Perry County	18	0904CST			0	0	2K		Thunderstorm Wind
8 SE Perryville		ity poles were	snapped by v	wind.	v	U	213		THUHUCISWIHI WIHU
Mississive! C 1									
Mississippi County .5 S East Prairie to	18	0907CST	2	50	0	1	750K		Tornado (F1)
1.5 NE East Prairie	The torn	0911CST	h the eastern	edge of the	city Three	business	es includin	g a nonco	rn factory and a tax service office, were

The tornado cut through the eastern edge of the city. Three businesses, including a popcorn factory and a tax service office, were heavily damaged. A welding company was destroyed. Several homes received light to moderate damage, mainly to roofs and windows. Uprooted trees fell on cars and power lines. Residents of the affected area remained without power for 12 to 24 hours. One person sustained minor cuts to her legs when a picture window was blown in. Outside the city limits, a barn was destroyed on Highway 105. This tornado struck the same spot where a young girl was killed by a tornado in the spring of 1981.

		Time	Path	Path	Number	of	Estima	ted	January 1006
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons	3	Dama Property	ge Crops	January 1996 Character of Storm
MISSOURI, Southeast			( 12)	( = ====)				F-	
Cape Girardeau County									
Jackson	18	0914CST			0	0	50K		Thunderstorm Wind
	The Wal-	Mart store los	st part of its r	oof. No injur	ies occurred, a	and the st	tore remain	ned open.	
C44 C4									
Scott County 2 NW Sikeston	18	0925CST			0	0	6K		Thunderstorm Wind
2 IVV SIKESTOII		y poles were s	napped just r	north and wes		U	OIX		Thunderstorm wind
MISSOURI, Southwest MOZ070>071-081>083- 091>092-095>098- 104>105	•		11 3			Christia	an - Doug	las - How	ell - Shannon - Taney - Ozark
10 17 100	01	2200CST			0	0	10K	0	Winter Storm
	02	1700CST	1.1		1 6 4		. 136		
	morning	of the second.	. Twelve inc	hes of snow i		to Housto	on while g	reater than	ng the evening of the first into the early eigth inches fell from Branson to West
<b>Mcdonald County</b>									
Noel	17	1932CST			0	0			Hail (0.88)
Mcdonald County	17	1025 CCT			0	0			H 3 (1.00)
Goodman Christian County	17	1935CST			0	0			Hail (1.00)
Oldfield	17	2245CST			0	0	2K	0	Thunderstorm Wind
Oldineid		storm winds d	owned power	r lines.	v	v		Ü	Thunderstorm vymu
Newton County									
Neosho	17	2315CST			0	0			Hail (0.88)
Jasper County	17	2340CST			0	0			Hail (0.75)
Joplin Christian County	17	2340CS1			U	U			Hall (0.75)
Ozark	18	0200CST			0	0			Thunderstorm Wind (G52)
MONTANA, Central									` '
MTZ003>005	Northwest (	Chinook Zon	e - Southwe	st Montana -	North Centr	al Mont	ana		
	01	0000MST			0	0			Heavy Snow
	<b>02</b> 5 to 7 inc	1600MST thes of snow f	ell at several	spots from N	orth central to	Southw	est Monta	na 12 inch	es was reported at Millegan.
MTZ003>006				_	· North Centr				
	03	0700MST			0	0			Winter Storm
	04	0700MST	4 1			) :l	- C C-	11 41	To
	knocked		or 1800 peop						area. Ice accumulating on power lines Chester. Schools were closed due to
MTZ003	Northwest (	Chinook Zon	e						
	12	0300MST			0	0			High Wind
	_				4 miles south	of Grea	it Falls. V	/ind gusts	of 64 mph at Cut Bank and 52 mph at
MTZ003		ls were record Chinook Zon	U						
W112003	16	0600MST			0	0			Heavy Snow
	17	2000MST							•
3.555500.4	•		he northern r	ockies. St. M	Iary reported 8	3 inches v	while East	Glacier ha	nd 14.
MTZ004	Southwest I				0	0			Haary Chay
	24	0400MST 1500MST			U	U			Heavy Snow
	5 inches	of snow fell a	t Fort Logan	in southwest	Montana.				
MTZ004>006	Southwest I	Montana - No	orth Central	Montana -	Central Mont				
	27 28	0000MST 1200MST			0	0			Heavy Snow
			ell across no	rth central M	ontana with up	to 18 in	ches repor	ted in the	southwestern mountains.
MTZ004	Southwest I				· · · · · · · · · · · · · · · · · · ·				
	28	2100MST			1	0			Extreme Cold
	29	1200MST	: C:- £	.11 :		. 4	1	. 41	
	and died	-	_					_	t of the 28th. She was unable to get up ar, estimated to be between zero and 10
MTZ003>006			e - Southwe	st Montana	North Centr	al Mont	ana - Cen	tral Mon	tana
	30	0300MST 1400MST			0	0			Extreme Cold
MTZ003>006	Northwest 0 30	Chinook Zon 0300MST 1400MST			0	0			

		Time Local/	Path Length	Path Width	Number Person		Estimated Damage		January 1996
Location	Date	Local/ Standard	Length (Miles)	(Yards)			Property Crops	Character of Storm	
MONTANA, Central									
								d Galata, -51 at Lon	na and -55 at Wild
MONTANA, East	norse Sta	uon. winas i	ater in the n	iorning cause	u dangerous v	villa CIIII	s of 80 to 90 below	zeio.	
MTZ008	Northeast M	Iontana							
	03	0120MST			0	0		Heavy Snow	
	Heavy sn	1400MST	rrown hand	from Malta to	n Glasgow A	mounts r	ranged from 5 to 8 ir	nches	
	Heavy sin	ow ien in a na	iiiowii baliu	mom wana u	o Glasgow. A	illoulits i	anged from 5 to 6 fr	iches.	
MTZ008	Northeast M	Tontana .							
	16	2000MST			0	0		Heavy Snow	
	17 Heavy en	1500MST ow fell across	portions of	anstarn Mont	ono Vido ron	orted 5 is	nchas		
	ricavy sin	ow ich across	portions or	castern wiont	ana. vida iep	orted 5 II	iches.		
MTZ008	Northeast M	Tontana .							
	30	0100MST			0	0		Extreme Cold	
	Temperat	1000MST	record and	near-record	lowe across n	ortheast	Montana 30 degree	es below zero was re	norted at Glasgow
							d chill readings range		ported at Glasgow,
		1				•	2 2		
MONTANA, South									
MTZ009	Southeast M				0	0		VV:4 C4	
	01	0600MST 1800MST			U	U		Winter Storm	
	Seven inc	hes of snow f	ell at Powde	rville, northe	ast Powder Ri	ver Coun	ty of southeast Mon	tana.	
MTZ009	Southeast M				0	0		<b>TT</b> " 4 G4	
	03 04	0700MST 0700MST			U	U		Winter Storm	
	Seven inc	hes of snow f	ell at Albion	, in Carter Co	ounty of south	east Mon	tana.		
MTZ007	South Centr								
	03 04	0700MST 0700MST			0	0		Winter Storm	
	Seven inc		ell at Cooke	City, in south	nern Park Cou	nty of so	uth central Montana		
MTZ009	Southeast N								
	03 04	0700MST 0700MST			0	0		Winter Storm	
		es of snow fel	l at Fallon, i	n Prairie Cou	nty of east cer	ntral Mon	itana.		
MTZ007	South Centi								
	03 04	1700MST 0600MST			0	0		Winter Storm	
			l at Rapelje,	in northern S	tillwater Cou	nty of sou	ıth central Montana.		
MTZ007	South Centr								
	04	0000MST 0700MST			0	0		Winter Storm	
	Five inch		l at Nye, in s	southwest Stil	llwater County	y of south	n central Montana.		
MTZ007	South Centr								
	24	0400MST 2200MST			0	0		Winter Storm	
	Five inch		l at Gardine	r, in southern	Park County	of south (	Central Montana.		
MTZ007	South Centi								
	24	1000MST 2200MST			0	0		Winter Storm	
	Six inches		at Rapelje, i	n northern St	illwater Coun	y of sout	h central Montana.		
MTZ007	South Centi								
	25 26	0000MST 2359MST			0	0		Flood	
			led near Sile	esia in northe	ern Carbon Co	ounty of	south central Monta	ana due to ice jams	on the lower Rock
		amage amour	its unknown	•					
MTZ007	South Centi				0	0		Winton Ctour	
	28	0000MST 1200MST			0	0		Winter Storm	
	Five inch		l at Cooke C	ity, southeast	Park County	in south	central Montana.		
MONTANA, West		<b>.</b> . =	. ~						
MTZ001>002	Northwest N 03	Montana - W 0800MST	est Central	Montana	0	0		Heavy Snow	
	03 04	0800MST			U	U		Heavy Show	
		•						Mountain Ski Reso	
								now at Hungry Hors s at Glacier Park Airs	

Kalispell; 8 inches at Marion; 6 inches at Eureka, West Glacier, Essex, and Coram; 5 inches at Glacier Park Airport.

		T:	D.d.	D.	**	h = n = f				¥
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Num Per Killed	ber of sons Injured	Estim Dam Property	age	Character of Storm	January 1996
MONTANA, West	Dute	Standard	(Miles)	(Tarus)	Kineu	Injured	Property	Crops	Character of Storin	
MOTULATIVA, West	In Misso	ula County, 11	inches of ne	ew snow at S	eeley Lake.					
MTZ002	West Centr 18	al Montana 2200MST			0	0			Heavy Snow	
	19	0915MST				v			Heavy Show	
	6 inches	new snow at L	.olo Pass, Mi	issoula Count	ty.					
MTZ001>002	Northwest 1	Montana - W	est Central	Montana						
	19	0800MST			0	0			<b>Heavy Snow</b>	
	<b>20</b> In Flathe	0800MST ad County, 6 i	nches new si	now at Big M	Iountain Sk	i Resort.				
	In Misso	ula County, 5	inches new	snow in one	hour 1015	MST to			miles west of Misson	ula; 10 inches new
	snow at I	Lindberg Lake	; 19 inches a	t Seeley Lake	e. In Miner	al County	, 8 inches n	ew snow a	at St. Regis.	
MTZ001>002	Northwest 1	Montana - W	est Central	Montana						
	20	2100MST			0	0			<b>Heavy Snow</b>	
	21 6 inches	0239MST of new snow a	at Thompson	Falls, Sande	rs County;	at Hamil	ton, in Rava	ılli County	r; at Sula, Ravalli Cou	nty; and at Creston
	in Flathe	ad County. 8	inches new	snow at He					nead County. 15 inches	•
	Potomic	of Missoula C	ounty 1/19-2	21/96.						
MTZ001>002	Northwest 1	Montana - W	est Central	Montana						
	23	2000MST			0	0			<b>Heavy Snow</b>	
	24 8 inches	1955MST new snow at I	Huson and 9	inches at Po	tomic of M	issoula C	County. In F	lathead Co	ounty, 6 inches new sn	ow at Essex and 6
		the base and					•			
MT7002	W4 C4-	-1 M4								
MTZ002	west Centr	al Montana 1000MST			0	0			Heavy Snow	
	25	0925MST	Evere Misse	ula County					·	
	9 menes	new snow at E	evaro, misso	uia County.						
MTZ001>002	Northwest 1	Montana - W	est Central	Montana						
	27 28	0800MST 0700MST			0	0			Heavy Snow	
		ula County, 8.	5 inches of n	ew snow 5 m	niles south	of Lolo;				
		nches new sno St. Ignatius of				•			milton of Ravalli Cou	ınty. 6 inches new
	SHOW at L	ot. Ignatius of	Lake County	. ) menes ne	w snow at	Superior	or mineral c	county.		
NEBRASKA, Central										
NEZ004>005-022>025-		Cherry - Gar hase - Hayes		- Hooker - '	Thomas - A	Arthur -	Mcpherson	- Logan	- Custer - Deuel - Kei	ith - Perkins -
035>038-056>059- 069>071	Lincom - C	nase - mayes	- Frontier							
	17 18	0900MST 2100MST			1	0	230K		Winter Storm	
			with sustaine	d winds of 4	0 mph and	gusts to	65 mph dro	pped 5 to	6 inches of snow over	Sheridan, Cherry,
									ell over Southwest and	
									ls from 45 to 65 belov ala to York was closed	
		thru the morni			_					-
	A 52 yea	r old man was	s found froze	n to death in	his garage	in Arnol	d Ne., Custo	er County	on the 18th. Power lir	nes whipped by the
	high win	ds caused 200	k damage to	a power sul	bstation in	Broken I	Bow, Custer	Co. In I	mperial, Chase County	y, three 21,000 gal
	fiberglass M52PH	s fertilizer sto	orage tanks	were blown	over onto	a pickup	casusing e	extensive	damage to the pickup	and the 3 tanks.
NEBRASKA, East	11102111									
NEZ012-015-030>031-	Cedar - Th	urston - Boon	e - Madisor	- Cuming						
033	17	0400CST			0	0	32K		High Wind (G6	1)
	18	0600CST	eting to 65 -	nnh recultod				lace door		
									a roof, and a portable d destroyed grain bins	
	winds da	maged part o	-	•			-	-	ection and did tree an	_
NEZ006>010-026>029	Thurston Keya Paha	County Boyd - Brov	wn - Rock -	Holt - Rlains	e - Loun - é	Garfield	- Wheeler			
1122000/010-020/027	17	1500CST	WII - RUCK -	LIGIL - DIAIII	0 - Loup - 0	0	10K		Blizzard	
	18	1000CST								

		Data e		musu	ai vve	ati i C	FILETIC		
		Time Local/	Path Length	Path Width	Number Person		Estimated Damage		January 199
Location	Date	Standard	(Miles)	(Yards)			Property Crops	Character of Storm	
NEBRASKA, East	D 1			V	1 1 14	A4! - 1-!			.1: 4:4:
	over No. The new local roa degrees	rth Central Ne v snow and no ads were impas below zero.	braska. Whi orthwest wind ssable. The s All schools a	le most areas ds gusting to strong winds and most busi	received 3 to 60 mph create and single dig nesses were c	5 inches od near-z it temper losed the	of new snow, parts ero visibilities and ratures combined to a 18th. Numerous	southeast to produce to s of Brown County reports snow drifts up to 8 feets produce extreme wind local power outages of hogs in Holt County.	orted 6 to 8 inches et. Highways an d chills of 45 to 6
NEZ030	Boone								
	17 18	1800CST			0	2		Extreme Windo	hill
	In two s traveling spent the	g home when e night in his I up in winter	rain changed truck. A 46	l to snow and year old Tild	l froze his acc len man slid o	elerator off the ro	pedal. After tryin ad and with a froz	1 80 year old man from g to flee his vehicle, here ignition was unabled d frostbite to his feet.	e turned back an to run his heater
NEZ050	Butler								
	<b>17</b> High wi David C		65 mph resu	ulted in a gap	0 oing 32x40 foo	0 t hole in	<b>5K</b> a chicken house r	High Wind (G5) oof and the loss of 300	
NEZ011>012-015>018- 030>034-042>045- 050>053-065>068-078- 088>093	Knox - Ceo Washingto	dar - Thursto	aunders - D		-			ıming - Burt - Platte - Saline - Jefferson - G	_
	17	1900CST			0	0		Extreme Windo	hill
	19	of Arctic air	invaded ess	etarn Nabrael	za durina the	afternoo	on of the 17th T	The day started out w	ith dense for an
	tempera to freezi accompa	tures around fi ing drizzle and anied by susta	reezing. By I Falls City v ined winds f	late afternoon was in the 60 from 30 to 40	n, a large tempts. A strong comph with gus	perature gold front sts to 60	gradient had been moved through th mph. While light	established as Norfolk e area plummeting ten rain preceded the fron legrees persisted for 31	had switched over peratures and wa tal passage, only
NEZ066	Lancaster 19	0100CST 0600CST			0	0	100K	Extreme Cold	
	Pipes fro		lamaging fou	ır floors in an	office buildin	g in Line	oln's Haymarket D	istrict	
NEZ011>012-015>018- 030>034-042>045- 050>053-065>068-078- 088>093	Knox - Ceo Washingto	dar - Thursto	n - Antelope aunders - D	e - Pierce - W	ayne - Boone	- Madis	son - Stanton - Cu	ıming - Burt - Platte - Saline - Jefferson - G	0
	26	0800CST 2000CST			0	0		Winter Storm	
	of snow Papillion than one	nse winter stor fell from Lin n and continue	coln and Au ed into weste 12 hours in	burn northea ern Iowa. In Lincoln and	st to Omaha a addition to the Omaha areas.	nd Teka snow, s Wind c	mah. Heavier am strong winds from	w in its wake. A generounts of 7 to 10 inche 30 to 40 mph reduced 30 to 40 degrees below	s were reported i visibilities to les
NEZ052	Douglas								
	As temr	2300CST peratures appro	pached 20 de	egrees below	o zero, a water	0 main fr	750K roze and burst dan	Extreme Cold naging several hundred	ls of thousands o
		worth of furniti		-			oze and ourse dan	inging several number	or mousurus o
NEBRASKA, Extreme	Northeast								
NEZ013>014	Dixon - Da	kota							
	29	0900CST			0	0		Extreme Windo	hill
	31 Bitterly	2359CST cold air and st	rong winds c	ombined to c	reate wind chi	II reading	gs as cold as 60 bel	ow zero	
NEBRASKA, Extreme	•	void all alla of	rong winds c	0111011104 10 0	reace wind em		50 40 0014 40 00 001	o 2010.	
NEZ079>081		itchcock - Re	d Willow						
	17 18	1100MST 0300MST			0	0		High Wind (G5	6)
	High wi	nds and extrem			d midday and	lasted un	til early morning.	Damage occurred to tr	ees, fences, powe
NIEDDACIZA C. 4 C.		d roofs. Traff	ic was halted	on roads.					
NEBRASKA, South Ce NEZ039>041-046>049- 060>064-072>077- 082>087	Valley - Gi						son - Buffalo - Ha bster - Nuckolls -	ll - Hamilton - York - Thayer	Gosper - Phelps
00M2 001	17	1300CST			0	0		Blizzard	
	18	1200CST		. 1.12			131 1 6 6		6.71
	region b	out this snow	was driven b	oy 60 to 90 i	nph winds.	Temperat	ures fell over 30	y 4 or less inches of si degrees at the beginning was over during the ea	ng of the event t

readings near zero. This produced wind chills of 50 to 70 below zero. Most of the snow was over during the early morning hours

		Time	Path	Path	Number	of	Estimated	January 1996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Person	IS	Damage Property Crops	Character of Storm
NEBRASKA, South Ce	entral			(,			Transport of the second	
	with near	rly 300 vehicl	es. US High	nway 30 was a	_			vas closed until the 19th as it was littered d vehicles. No deaths or serious injuries
NEBRASKA, West	were dire	ectly related to	this blizzard	1.				
NEZ001>003-019>021- 054>055	Sioux - Day	wes - Box But	te - Scotts B	Bluff - Banne	r - Morrill - 1	Kimball	- Cheyenne	
	16	2200MST			0	0		Blizzard
	55 MPH	, creating win	d chill temp	eratures as lo	w as 70 degr	ees belov	w zero. Two to six	ring that time, winds gusted to as high as a inches of snow fell over the panhandle ring snow. Some schools were cancelled
NEVADA, North								
NVZ007	East Centra							
	24 25	1200PST 0900PST			0	0		Winter Storm
			HOUR TOTA	AL 24" SINCI	E NOON 01/2	24/96 AT	CLOVER VALLE	Y, 30E ELKO.
NVZ006	Northeast N				0	0		<b>337</b> 7 4 604
	24 25	1200PST 1000PST			0	0		Winter Storm
		SNOW24	HOUR TOT	AL 11" SIN	CE NOON 0	1/24/96	AT WILDHORSE	RESERVOIR, 60 MILES NORTH OF
NVZ006	ELKO. Northeast 1	Vevada						
111 2000	24	1200PST			0	0		Winter Storm
	25 HEAVY	0900PST SNOW 24 F	HOUR TOTA	ΔΙ 15" ΔΤ SE	PRING CREE	K 15 M	ILES SOUTH OF I	ELKO
NVZ006	Northeast I		100K 1017	113 711 51	MINO CILL	11, 15 141	ills sociii oi i	ELKO.
	24 25	1200PST			0	0		Winter Storm
		<b>0800PST</b> SNOW24 F	HOUR TOTA	AL 8" AT BA	TTLE MOUN	NTAIN, 7	75 MILES WEST C	OF ELKO.
NVZ006	Northeast I	Nevada						
	24 25	1200PST 0900PST			0	0		Winter Storm
			HOUR TOTA	AL 8" AT TU	SCARORA,	25 MILE	S NORTHWEST C	OF ELKO.
NVZ006	Northeast I				0	0		Winter Storm
	25 25	1300PST 0900PST			U	0		winter Storm
<b>&gt;</b>			HOUR TOTA	AL 18" SINCE	E NOON 01/2	24/96 AT	WELLS, 50 MILE	S EAST OF ELKO.
NVZ006	Northeast 1 24	Nevada 1300PST			0	0		Winter Storm
	25	1100PST						
NEVADA, South	HEAVY	SNOW24 F	HOUR TOTA	AL 6" AT JAC	CKPOT, 90 M	IILES NO	ORTHEAST OF EI	LKO.
NVZ009	Extreme So	outhern Neva	da					
	16 17	1600PST			0	0	500K	High Wind (G48)
		1300PST winds associa	ted with a	vigorous colo	d front swep	t across	extreme southern	Nevada causing considerable damage
	Sustained were top	d winds over pled damagin	40 mph aroug cars and h	and the Las Vomes. Areas	egas Valley of blowing d	were rec	orded during the p S Highway 95 betw	eriod. Numerous trees and power poles ween Henderson and Searchlight reduced damage also occurred in the Lake Meac
		on Area where						
NEVADA, West								
NVZ004	West Centr	ral Nevada 0630PST			0	0		High Wind (G53)
		0730PST	orted across	the area with			knots in Gardnervil	le and 46 knots in Windy Hill.
	Suong w	as were rep	0.100 001033	are area with	gu	565 GI TJ .		and to know in tring time.
NVZ004	West Centr	ral Nevada						
NT 17 00 4	15 W 4 G 4	0900PST			0	0		High Wind (G61)
NVZ004	West Centr	ral Nevada 1312PST			0	0		High Wind (G56)
NVZ004	West Centr				v	•		g (300)
	16	1500PST 1700PST			0	0		High Wind (G70)

A strong pacific weather system moved into Northern Nevada bringing very strong west winds along the eastern slopes of the Central Sierra and extreme Western Nevada. Gusts up to 76 knots were reported in Minden where many roofs were damaged along with many trees and fences down. Other strong gusts were 61 knots in Gardnerville, 70 knots in Stead, and 57 knots at Pyramid

Lacation	ъ.	Time Local/	Path Length	Path Width	Number of Persons		Estimated Damage	January 199
Location Wood	Date	Standard	(Miles)	(Yards)	Killed In	jured I	Property Crops	Character of Storm
NEVADA, West	Lake. Winds o	of 52 knots sma	ashed a large	plate glass win	ndow in a stor	e in Cars	son City.	
NVZ001-003	Truckee-T 18	ahoe Area - E	Extreme We	stern Nevada	0	0		High Wind (G84)
	sustaine Gusts 63	d at 35 knots v 3 knots were re	were reported in M	d in the Yering inden. A gust o	gton area. Wi	nds gusti as also re	ng up to 84 knots ported in South Re	ea and Extreme Western Nevada. Wir were reported at the Kirkwood Ski ar no. About 3,000 people in the Stead a s blown down due to the strong winds
NVZ001	Truckee-T 18 Heavy s	1530PST	2 inches was	s reported in In	<b>0</b> cline Village	<b>0</b> near Lak	e Tahoe in a 12 ho	Heavy Snow ur period.
NVZ003	•	Vestern Nevad 0600PST		1	0	0		High Wind (G70)
		-	•	ight strong wir s severely dama		f Westerr	n Nevada. Winds o	f up to 70 knots were reported in Cars
NVZ001>002	Truckee-T 21	ahoe Area - C 0030PST 1700PST	Central Sieri	ra East Slopes	0	0		Heavy Snow
	Slopes.	g Pacific storm Some of the he at Markleeville	eavier snow te, and 13 inc	totals include 1 thes at South I	6-20 inches a Lake Tahoe. \	t Prosser Wind and	Reservoir, 16 inch	uckee areas and the Central Sierra E les at Portola, 14 inches at Sierraville, ibined brought a large tree down onto oken furniture.
NVZ001	Truckee-T 24	ahoe Area 0200PST 0400PST			0	0		High Wind (G65)
		ow pressure sy						as and Extreme Western Nevada. A g same location about 2 hours later.
NVZ001-003	Truckee-T 24	ahoe Area - E 0600PST 2100PST	Extreme We	stern Nevada	0	0		Heavy Snow
	in a 24 l recorded	hour period. M	Mount Rose S Truckee, CA	Ski resort repo	rted 24-32 in	ches of n	ew snow in a 24 h	Ski resort reported 16-26 inches of snour period. 15 inches of new snow w 2 hour time. 6 inches of snow in 4 hour time.
NVZ003	Extreme V 25	Vestern Nevad	la		0	0		High Wind (G87)
	-	0400PST gusting at an es ple in surround		knots caused se	everal power	lines to fa	all in Washoe Vall	ey. This caused power outages for abo
NVZ001-003	Truckee-T 27	ahoe Area - E 0300PST 1700PST	Extreme Wes	stern Nevada	0	0		Heavy Snow
	reported	nse Pacific sto	ch, 12 inches					kee areas. 12 inches of new snow we fenew snow has fallen in the Sugar Bo
EW HAMPSHIRE NHZ002>010-013>01	4 Southern (	Coos - Northe					fton - Southern C	arroll - Sullivan - Merrimack -
	Belknap - 8 02 03	Strafford - In 2300EST 1800EST	terior Kocki	ingham - Coas	stal Rockingl 0	nam 0		Heavy Snow
							e center moved up d central sections of	the Atlantic Coast and then out to sea of the state.
NHZ002	Southern 0	Coos 1415EST			1	1		Avalanche
			from Ouebe	ec got caught in	an avalanch		andering off a hiki	ng trail on the slopes of Mt. Washing

05 1415EST 1 1 Avalanche

A group of four hikers from Quebec got caught in an avalanche after wandering off a hiking trail on the slopes of Mt. Washington.

One hiker was killed while another sustained substantial injuries. M19OT

		Time	Path	Path	Number	of	Estimated		January 1996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Person		Damage Property Crop	s Character of Storr	•
NEW HAMPSHIRE, N	orth and C	<u>entral</u>					1 7 1		
NHZ008>010-013>014		k - Belknap - S	strafford - Iı	nterior Roc	-		ckingham	•••	
	08	0900EST 2100EST			0	0		Heavy Snow	
								es of an intense winter	
			-	sea south o	of New Englan	d. There	were numerous	traffic collisions, inclu	ding a 25 car pile-up
NHZ013	Interior Re	state 95 in Lond ockingham	iondeny.						
1412013	10	0400EST			0	0		Heavy Snow	
	Δn "Δlk	1430EST	storm produc	ed 6 to 8 i	nches of snow	over no	rts of southern N	New Hampshire as it i	moved coutheactward
		southern New 1				over pa	its of southern i	vew Hampsinie as it i	noved souncastward
NHZ003>010-013>014					n Grafton - So	outhern	Carroll - Sulliva	nn - Merrimack - Bell	ınap - Strafford -
	Interior Re	ockingham - C 1430EST	oastal Rock	ingham	0	1	400K	Heavy Snow	
	13	0500EST			v		4001	neavy Snow	
								re as a strong low pr	
								all to previous snowfal l just 45 minutes befor	
		pied by 40 skate	_	_				- J	
NHZ002-004		Coos - Norther	n Carroll						
	19	1200EST 1800EST			0	0		High Wind	
	_		st winds dov	vned trees a	nd power lines	in scatte	ered areas around	the state, cutting power	er to several thousand
NIII/7001, 005 007	custome		C N-	41 C	.64 N41	C	-II G4h C		
NHZ001>005-007	Northern (	1200EST	n Coos - No	rtnern Gra	nton - Nortne 0	rn Carr 0	on - Southern G	rafton - Sullivan Flood	
	21	2330EST		1 6					
								rtheast out of the Gre ont approached from the	
								ross much of New Har	
								acked up water on th	e Connecticut River,
NHZ007	flooding Sullivan	g a trailer park a	ind surround	ing business	ses with severa	I feet of	water.		
NIIZUU/	25	1000EST			0	0		Flood	
	26	0900EST	loca thom a rr	vaals tha Ca	Divy	m arrantl	avvad into Charlo	otovim ofton on ice ioni	formed down stream
								stown after an ice jam ne river level which w	
								nsported by strong sou	
				-				ot as intense as the pre- Highway 12 had to b	
	water.	iting mooding	was not as s	evere as the	e previous eve	iit, soiiie	Toads including	riigiiway 12 ilad to t	e closed due to high
NHZ006-009>010	Southern (	Carroll - Belkn	ap - Straffo	rd					
	27	0715EST 0815EST			0	0		Freezing Rain	1
	Cold ro		ickly iced i	up at the b	eginning of a	heavy	rain event, lead	ing to numerous auto	omobile accidents in
								fter she slipped and f	
		-					nt in New Durna ccurred near Farr	m to offer assistance.	A six-car pile-up in
NHZ002>003-005-007-	_	-		•			oastal Rockingh	•	
014									
	27	1100EST 2030EST			0	0		High Wind	
	_	-						e of a series of three	
		northeast out of one gust of 93 m				es lost p	ower as the high	winds downed trees a	nd power lines in the
NHZ002>003-005-007-		Coos - Norther				ivan - St	rafford		
010									
	27 29	2100EST 0400EST			0	0		Flood	
			the last and	most inten	se of a series o	f three le	ow pressure cente	ers moved northeast ou	t of the Great Lakes.
					-		•	northward. Warm ter	
								eding 2 inches were c to flooding along the	
		-		_				nigewasset River in G	
		was reported a		-	_		2	-	• • • • • • • • • • • • • • • • • • • •

flooding was reported at several locations elsewhere.

NHZ011-012   Cheshire - Hillsborough   Fundamental Communities in Hillsborough   Fundamental Communities   Fundamental C			Time Local/	Path	Path Width	Number Person		Estimated Damage	January 1996					
NHZ011-012    Cheshire - Hillsborough   Q	Location	Date							Character of Storm					
10	<b>NEW HAMPSHIRI</b>	E, Southern												
100EST   Several communities in Hillsborrough   Hillsborroug	NHZ011>012	Cheshire -												
A strong low pressure system moved from Temessee to the Virginia coast and then northeast off the New Jersey coast, per southeast of Cape Cod. This system produced heavy some/all with tools of 8 to 12 inche heaviers smorpful courred of the early morning of the 3rd. Many school systems and some businesses were closed for the day. Some final snowfall with color of the per special property of the day of the 4th were: Francesown, 12 inches; Jaffrey, 11 in Walpole, 10 inches; and Amherst, 9 inches.  NHZ011-012  Cheshire - Hilbsborough  7						0	0		Heavy Snow					
southeast of Cape Cod. This system produced heavy snowfall with totals of 8 to 12 miches. The heaviers snowfall occurred in early morning of the 3rd. Many school systems and some businesses were closed for the day. Some final snowfall which also some light snow that fell late on the 3rd and early on the 4th were: Francestown, 12 inches; Jaffrey, 11 in Walpole, 10 inches, and Amherst, 9 inches.    NHZ011>012   Cheshire - Hill-borough				system move	ed from Ten	nessee to the	Virginia c	coast and then no	rtheast off the New Jers	sev coast, passing				
which also some light snow that fell late on the 3rd and early on the 4th were: Francestown, 12 inches; Jaffrey, 11 in Wajole, 10 inches; and Amberst, 9 inches.  NHZ011>012  Cheshire - Hillsborough 07		-		•			-							
NHZ011-012  Cheshire - Hillsborough 107 1800EST 0 0 0 Heavy Snow 81900EST An intense east coast low pressure system moved northeast from eastern Georgia, passing along the coast of the Carolinas and close to 40 degrees North and 70 degrees West. This storm was one of the most significant winter storms to hit southern England in the past 20 years and was named the "Blizzard of 90" from the Middle Atlantic states to southern New England. storm dropped from 9 to 17 inches of snow on Cheshire and Hillsborough Counties, two selected totals included: Peterbor 16.3 inches; Nashua, 11.8 inches; Hillsborough, 9.0 inches; and Juffrey, 16.5 inches. The total snow depth on the ground re 38 inches at Jaffrey when the snow ended. This storm disrupted transportation systems, closed schools, and closed businesses.  NHZ012  Hillsborough  10 0000EST  Several communities in Hillsborough County reported a moderate snowfall. Six inches fell at Nashua, Greenville, and Te This snowfall occurred just a couple of days after a foot or more had fallen on January 7th-8th. The total snow depth on the grinterseased to more than 30 inches in many locations.  NHZ011-012  Cheshire - Hillsborough  12 1600EST  An intensifying low pressure system moved northeast from the Middle Atlantic coast with its center passing across souther Massachusetts into Cape Cod Bay near Plymouth around 11 PM during the evening of January 12th. This storm brough another in a seemingly endless series of heavy snowfall events. Yet another 6 to 12 canother 6 to 12 canot			_						•					
NHZ011>012  Cheshire - Hillsborough 10 0000EST 10 1000EST 10 0000EST 10 0000E			-			he 3rd and ea	arly on th	e 4th were: Fran	ncestown, 12 inches; Ja	affrey, 11 inches;				
Processing   1800EST	NIII/7011, 012	•		d Amherst, 9	inches.									
108   1900EST   100	NHZ011>012		8			0	0		Heavy Snow					
close to 40 degrees North and 70 degrees West. This storm was one of the most significant winter storms to hit southern Flagland in the past 20 years and was named the "Bitzzard of "96" from the Middle Atlantic states to southern New England. storm dropped from 9 to 17 inches of snow on Cheshire and Hillsborough Counties. A few selected total sincluded: Peterbor 16.3 inches; Nashua, 11.8 inches; Hillsborough, 9.0 inches; and Jaffrey, 16.5 inches. The total snow depth on the ground re 38 inches at Jaffrey when the snow ended. This storm disrupted transportation systems, closed schools, and closed businesses.  NHZ012  **MIIISD012**  **This showfall occurred just a couple of days after a foot or more had failen on January 7th-8th. The total snow depth on the goincreased to more than 30 inches in many locations.  **NHZ011>012**  **Cheshire** Hillsborough**  **Part 13 0000EST**  An intensifying low pressure system moved northeast from the Middle Atlantic coast with its center passing across southern Massachusetts into Cape Cod Bay near Plymouth around 11 PM during the evening of January 12th. This storm brough another in a seemingly endless series of heavy snowfall events. Yet another 6 to 12 inches of snow hit the region. Jaffrey representation to 10 inches. The roof of a house collapsed in Hudson two days after the storm, due to the heavy snowload.  **NHZ011**  **NHZ011**O12**  **Cheshire**  **INBOBEST**  **Strong south winds with gusts to 40 to 60 mph preceded a sharp cold front that was approaching from the west. The strong caused scattered power outages. Heavy rainfall, thawing temperatures, and an ice jam on the Connecticut River extending Bellows Falls, V1 to Charlestown. NH, resulted in flooding along Route 112 in Cheshire County in North Walpole. A flash occurred farther north in Charlestown.  **NHZ011>012**  **Cheshire** Hillsborough*  19 1400EST*  19 1400EST*  10 0 High Wind (G50)  **High Wind						v	v		neavy blow					
England in the past 20 years and was named the "Bilzzard of "96" from the Middle Atlantic states to southern New England. Storm dropped from 90 to 17 inches of snow on Cheshire and Hillsborough. 16.3 inches. Nashua, 11.8 inches; Hillsborough, 9.0 inches; and Jaffrey, 16.5 inches. The total snow depth on the ground read to the store of the past of the p				-	•				-					
storm dropped from 9 to 17 inches of snow on Cheshire and Hillsborough Counties. A Faw selected totals included: Peterboro 16.63 inches; Nashau, 1.18 inches; Hillsborough, 9.0 inches; and Jaffrey, 16.5 inches; now depth on the ground read businesses.  NHZ012  **RIBSOFT**  Several communities in Hillsborough County reported a moderate snowfall. Six inches fell at Nashua, Greenville, and Te This snowfall occurred just a couple of days after a foot or more had fallen on January 7th-8th. The total snow depth on the g increased to more than 30 inches in many locations.  **NHZ011>012  **Cheshire** Hillsborough**  12 1600EST**  An intensifying low pressure system moved northeast from the Middle Atlantic coast with its center passing across souther Massachusetts into Cape Cod Bay near Plymouth around 11 PM during the evening of January 12th. This storm brough another in a seemingly endless series of heavy snowfall events. Yet another 6 to 12 inches of snow this the region Jaffrey reg a total of 11.0 inches and the total snow depth on the ground soared to 46 inches. Peterborough had 12.5 inches and Keen about 10 inches. The roof of a house collapsed in Hudson two days after the storm, due to the heavy snow hint eregion. Jaffrey reg a total of 11.0 inches and the total snow depth on the ground soared to 46 inches. Peterborough had 12.5 inches and Keen about 10 inches. The roof of a house collapsed in Hudson two days after the storm, due to the heavy snow line region. Jaffrey reg a total of 11.0 inches and the total snow depth on the ground soared to 46 inches. Peterborough had 12.5 inches and Keen about 10 inches. The roof of a house collapsed in Hudson two days after the storm, due to the heavy snow load.  NHZ011**  Cheshire**  I 9			close to 40 degrees North and 70 degrees West. This storm was one of the most significant winter storms to hit southern New											
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NHZ012 Hillsborough  For the storm of the st														
NHZ012   Hillsborough   Several communities in Hillsborough County reported a moderate snowfall. Six inches fell at Nashua, Greenville, and Te This snowfall occurred just a couple of days after a foot or more had fallen on January 7th-8th. The total snow depth on the g increased to more than 30 inches in many locations.  NHZ011>012   Cheshire - Hillsborough   12   1600EST   0   0   1600EST   13   13   13   13   1600EST   0   0   1600EST   13   1600EST   13   1600EST   0   0   1600EST   1500EST   1500E		38 inche	es at Jaffrey v	when the sno	ow ended.	This storm d	lisrupted t	ransportation sys	stems, closed schools,	and closed some				
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12 1600EST	NIII7011, 012			30 inches in	many locatio	ons.								
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NHZ011>012 Cheshire - Hillsborough 19 1400EST 1900EST  NHZ011>012 Cheshire - Hillsborough 27 1200EST 1700EST 1700EST 0 0 0 High Wind (G50)  High Wind (G50)  Trough South winds with gusts to 50 to 60 mph, heavy rainfall of 1 to 2 inches, and very mild temperatures rising into the a lower 50s preceded the front. The strong winds knocked down tree limbs and resulted in scattered power outages. The rainfall and snow melt caused scattered areas of street flooding.  NEW JERSEY, Northeast  NJZ002 Western Passaic 0 0 0 Heavy Snow A low pressure system moved northeast across the area and produced some heavy snow. Snowfall ranged from 6 to 11 inches NJZ003  NJZ003 Bergen 03 0400EST 0 0 0 Heavy Snow NJZ004 Eastern Passaic			Bellows Falls, VT to Charlestown, NH, resulted in flooding along Route 112 in Cheshire County in North Walpole. A flash flooding along Route 112 in Cheshire County in North Walpole.											
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NHZ011>012  Cheshire - Hillsborough 27 1200EST 0 0 0 High Wind (G50)  Strong south winds with gusts to 50 to 60 mph, heavy rainfall of 1 to 2 inches, and very mild temperatures rising into the a lower 50s preceded the front. The strong winds knocked down tree limbs and resulted in scattered power outages. The rainfall and snow melt caused scattered areas of street flooding.  NEW JERSEY, Northeast  NJZ002  Western Passaic 03 0400EST 0 0 0 Heavy Snow A low pressure system moved northeast across the area and produced some heavy snow. Snowfall ranged from 6 to 11 inches NJZ003  Bergen 03 0400EST 0 0 0 Heavy Snow NJZ004 Eastern Passaic	NHZ011>012		0			0	0		High Wind (C50	n.				
Strong south winds with gusts to 50 to 60 mph, heavy rainfall of 1 to 2 inches, and very mild temperatures rising into the 4 lower 50s preceded the front. The strong winds knocked down tree limbs and resulted in scattered power outages. The 1 rainfall and snow melt caused scattered areas of street flooding.    NEW JERSEY, Northeast		1)				U	v		Ingii Willa (030	,				
Strong south winds with gusts to 50 to 60 mph, heavy rainfall of 1 to 2 inches, and very mild temperatures rising into the 4 lower 50s preceded the front. The strong winds knocked down tree limbs and resulted in scattered power outages. The 1 rainfall and snow melt caused scattered areas of street flooding.    NEW JERSEY, Northeast	NHZ011>012		_											
Strong south winds with gusts to 50 to 60 mph, heavy rainfall of 1 to 2 inches, and very mild temperatures rising into the 4 lower 50s preceded the front. The strong winds knocked down tree limbs and resulted in scattered power outages. The 1 rainfall and snow melt caused scattered areas of street flooding.  NEW JERSEY, Northeast  NJZ002  Western Passaic  0 0 0 Heavy Snow  A low pressure system moved northeast across the area and produced some heavy snow. Snowfall ranged from 6 to 11 inches NJZ003  Bergen  03 0400EST  0 0 0 Heavy Snow  NJZ004  Eastern Passaic		27				0	0		High Wind (G50	))				
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NEW JERSEY, Northeast         NJZ002       Western Passaic       0       0       Heavy Snow         A low pressure system moved northeast across the area and produced some heavy snow.       Snowfall ranged from 6 to 11 inches         NJZ003       Bergen       0       0       Heavy Snow         NJZ004       Eastern Passaic		lower 50	Os preceded the	e front. The	strong wind	ls knocked do	wn tree li							
NJZ002         Western Passaic 03         0400EST A low pressure system moved northeast across the area and produced some heavy snow.         Heavy Snow Snowfall ranged from 6 to 11 inches           NJZ003         Bergen 03         0400EST         0         Heavy Snow           NJZ004         Eastern Passaic			and snow melt	caused scatte	red areas of	street flooding	<b>5.</b>							
NJZ003 Bergen 03 0400EST 0 0 0 Heavy Snow A low pressure system moved northeast across the area and produced some heavy snow. Snowfall ranged from 6 to 11 inches  NJZ003 Bergen 03 0400EST 0 0 Heavy Snow  NJZ004 Eastern Passaic														
A low pressure system moved northeast across the area and produced some heavy snow. Snowfall ranged from 6 to 11 inches  NJZ003  Bergen 03 0400EST 0 0 Heavy Snow  NJZ004  Eastern Passaic	NJZ002					0	0		Hoavy Snow					
NJZ003         Bergen         03         0400EST         0         0         Heavy Snow           NJZ004         Eastern Passaic         Heavy Snow				moved north	east across tl			me heavy snow.		to 11 inches.				
NJZ004 Eastern Passaic	NJZ003	_	,			1		•	e					
		03	0400EST			0	0		Heavy Snow					
	NJZ004					•	•		<b>II</b> C					
03 0400EST 0 0 Heavy Snow	N17002					U	U		Heavy Snow					
NJZ002 Western Passaic 07 1600EST 0 0 Blizzard	NJZUU2					0	0		Blizzard					
08 1500EST		08	1500EST											
A storm of historic proportion moved northeast across the region. Extremely heavy snow accompanied this storm. Snowfall ranged from 20 to 30 inches. For some areas, this was a record snowfall. The heavy snow combined with strong winds to a				•		_			*					

A storm of historic proportion moved northeast across the region. Extremely heavy snow accompanied this storm. Snowfall totals ranged from 20 to 30 inches. For some areas, this was a record snowfall. The heavy snow combined with strong winds to create blizzard conditions for several hours. All forms of transportation were crippled. All area airports were closed, some for a couple of days. Millions of dollars were spent for snow removal. Millions of dollars were lost for area businesses that had to close. Schools were closed throughout the region. Several people were injured during the next several days as numerous roofs collapsed due to the extremely heavy load of snow. A state of emergency was declared for this storm that was dubbed the BLIZZARD OF '96

		Time	Path	Path	Number of		Estimated	January 1996			
Location	Date	Local/ Standard	Length Width Persons			Damage Property Crops	Character of Storm				
NEW JERSEY, North	heast										
NJZ003	Bergen										
	07 08	1600EST 1500EST			0	0		Blizzard			
NJZ004	Eastern Pa										
	07	1600EST			0	0		Blizzard			
	08	1500EST									
NJZ005	Essex 07	1600EST			0	0		Blizzard			
	08	1500EST			v	v		Diizzaiu			
NJZ006	Hudson										
	07 08	1600EST 1500EST			0	0		Blizzard			
NJZ011	Union	1300E31									
1102011	07	1600EST			0	0		Blizzard			
	08	1500EST									
Union County Countywide	12	1800EST 2100EST			0	0		Urban/Sml Str	eam Fld		
	A low pressure system over Virginia during the morning moved across Southern New England during the evening. The form of										
						-	The heavy rain an	d melting snowpack	from the blizzard a		
<b>D</b> G 4	few day	s earlier caused	extensive ar	nd serious flo	oding problem	ıs.					
Bergen County Countywide	12	1800EST			0	0		Urban/Sml Stro	oom Fld		
County wide	12	2100EST			v	U		Orban/Sim Str	cam Fiu		
Essex County											
Countywide	12	1800EST 2100EST			0	0		Urban/Sml Str	eam Fld		
<b>Hudson County</b>		2100E51									
Countywide	12	1800EST 2100EST			0	0		Urban/Sml Stro	eam Fld		
Passaic County											
Eastern Passaic	12	1800EST 2100EST			0	0		Urban/Sml Str	eam Fld		
NJZ002>006-011	Western P 19	Passaic - Berge 0900EST 1400EST	n - Eastern	Passaic - Ess	sex - Hudson - 0	Union 0		High Wind			
NJZ002	Western P										
- 10	19	0900EST			0	0		High Wind			
	Strong	1400EST	austina in a	wass of 50	MDU produce	d midaar	wood wind domogo	across the region. N	Acet of the democra		
		d to trees and po		EXCESS OF JO	WII II produce	u widesp	nead willd dailiage	across the region. N	lost of the damage		
NJZ002>006-011		assaic - Berge		Passaic - Ess	sex - Hudson -	Union					
	19 20	1200EST 1400EST			0	0	3M	Flood			
	major pr 19th and of water	roblem early or d continued wel	due to the relation due to the next y the past bl	ains and sign kt day. Seven	ificant snowm ral roofs collap	elt. Rive sed durii	er and stream floodi ng the next few days	t and poor drainage ng occurred later in t s in response to an ex read and severe that	he afternoon of the tremely heavy load		
Bergen County Countywide	19	1445EST	4 . 1	d	0	0	. 1. 1. 1.	Thunderstorm	Wind		
N17002> 005		tnunderstorm: E <b>astern Passaic</b>		across the ar	ea produced w	inas tnat	downed trees and p	ower lines.			
NJZ003>005	24 25	1400EST 0000EST	- Essex		0	0		Flood			
NJZ011	Union										
	24	1400EST			0	0		Flood			
	25 A meltii	0000EST	id locally has	ovy rains com	nbined to produ	ice sionii	ficant river and smal	l stream flooding			
NJZ002>006-011		assaic - Berge	•	•		_	and iiver und sillar	. Jucum modung.			
	27	0800EST 1900EST			0	0		High Wind			
	A strong	g southerly win	d, at times in	excess of 50	MPH, caused	numero	us trees and power l	ines to fall.			
Passaic County		4 < 0 = ====			^						
Countywide	27 28	1600EST 0000EST			0	0		Urban/Sml Str	eam Fld		
Bergen County	20										
Countywide	27 28	1600EST 0000EST			0	0		Urban/Sml Stro	eam Fld		

Location	Date	Time Local/	Path Length (Miles)	Path Width	Numbe Perso Killed		Estimated Damage	Janua Character of Storm	ary 1996			
NEW JERSEY, No.		Standard	(ivilles)	(Yards)	KIIICU	mjurcu	Property Crops	Character of Storm				
Essex County	ıncası											
Countywide	27	1600EST			0	0		Urban/Sml Stream Fld				
·	28	0000EST										
Union County	27	1.COOFEE			0	0		II-l/C1 C4 FIJ				
Countywide	27 28	1600EST 0000EST			U	U		Urban/Sml Stream Fld				
	Heavy r	ains from 1 to	2 inches cau	sed extensive	and severe f	looding	of roads, poor draina	ge areas, and small streams.				
NJZ003	Bergen											
	27 28	1600EST 0000EST			0	0		Flood				
			2 inches cau	sed flooding	along the Sad	ldle Rive	er at Lodi and the Ra	mapo River at Mahwah.				
NEW JERSEY, Sou	•							· · · · · · · · · · · · · · · · · · ·				
NJZ001-008	Sussex - M	lorris										
	02	0700EST			0	0		Winter Storm				
		03 1000EST A low pressure system developed over the Gulf Coast States on the 2nd and moved through New Jersey on the 3rd. The storm										
		A low pressure system developed over the Gulf Coast States on the 2nd and moved through New Jersey on the 3rd. The storm produced heavy snow over parts of Northwest New Jersey, but its track through New Jersey helped pull in warmer air from the										
		nearby Atlantic Ocean. Precipitation fell mainly as rain across the Southern half of New Jersey and a mixture of snow, sleet and										
	rain in tl	he Central part	of New Jers	ey between I	nterstates 195	and 78.	i	•				
			_				•	ew year. It lingered through the	_			
		_					unterdon and Somers	nd Morris Counties where accu	imulations			
	reactica	six menes. Of	ic to rour inc	nes of show	ien deross v	u11011, 11	unterdon und Bonner	set Counties.				
	Three w	eather related	deaths occur	red because of	of the storm in	n Northe	rn New Jersey. A 64	4-year-old man died after trying	g to shovel			
	the snov	w around his t	ractor trailer	in Parsippa	ny (Morris C	county).	A 29-year-old male	died when a car he was a pa	ssenger in			
		skidded off of Interstate 80 in Knowlton Township (Warren County) and vaulted into the air striking a tree seven feet from the										
	-	•					•	her car crossed into oncoming	traffic on			
NJZ024>026		•				Huntera	on and Somerset Cou	inties.				
NJZ024>020	eastern Ca 03	ape May - Eas 0500EST	stern Atlant	ic - Eastern	Ocean 0	0		Coastal Flooding				
	0.5	1000EST			v	v		Coastai Flooding				
	_	High astronomical tides coupled with a low pressure system bringing an easterly fetch during the night of the 2nd resulted in minor to locally moderate tidal flooding along the back bays of Ocean, Atlantic and Cape May Counties. Both the White and Black Horse										
		•	_	-	•							
		ading into and were reported.		itic City nad	lane closures	s because	e of the flooding. O	therwise, no other significant	damage or			
NJZ021>025	9	•		Jostorn Conc	Moy - Foct	orn Con	e May - Eastern At	lantic				
NJZ021>025	07	0200EST	Auanuc - W	estern Cape	: May - Lasu 1	еги Сар 0	2.4M	Winter Storm				
	08	0700EST			-	ŭ		***************************************				
	F?OU											
NJZ001-007>010-								Eastern Monmouth - Mercer	- Salem -			
012>020-026	Gloucester 07	· - Camden - I 0200EST	Burlington -	Western Oc	ean - Easter 3	n Ocean 0	18.8M	Blizzard				
	08	1500EST			3	U	10.01/1	Diizzai u				
		F88OU, F?OU	J									
NJZ014-024>026	Eastern M	onmouth - Ea	stern Cape	May - Easte	rn Atlantic -	Easter						
	07 08	1500EST 1200EST			0	0	14.2M	Erosion/Cstl Flood				

NJZ013>014-020>026

Cape May - Eastern Atlantic - Eastern Ocean

1800EST

Of this decade brought record breaking snow to most of New Jersey and paralyzed the region for several days, caused most municipalities to exceed their annual snow budgets during this one storm, caused several building collapses, its high winds caused 57,000 homes to lose power, caused directly or indirectly 28 deaths and countless injuries and produced moderate flooding with moderate to severe beach erosion from Manasquan south along the New Jersey Shore. Four women died of hypothermia, one each in Atlantic, Burlington, Mercer and Ocean Counties. Twenty-three persons suffered heart attacks and died while shoveling snow, using snowblowers or trying to walk in the deep snow. One traffic fatality occurred early in the storm as a car slid off the Atlantic City Expressway and hit a tree during the predawn hours of the 7th in Hammonton.

Western Monmouth - Eastern Monmouth - Western Ocean - Cumberland - Western Atlantic - Western Cape May - Eastern

0

**High Wind** 

The number of deaths and injuries was reduced by the storm starting before dawn on Sunday with blizzard conditions in full force during the afternoon. The storm formed in the Gulf of Mexico on the morning of the 6th, moved south of Alabama the evening of the 6th, reached Savannah Georgia the morning of the 7th, Cape Hatteras the evening of the 7th, moved just to the west of the Delaware Bay Buoy the morning of the 8th before reaching the Southern New England coastal waters the evening of the 8th. This was a classic a storm track for heavy snow. Precipitation was all snow in Northwest New Jersey, fell as mostly snow with some sleet in Central and Southwest New Jersey and started as snow, but changed to sleet and freezing rain before ending as snow in Southeast New Jersey. Snow began falling during the predawn hours on the 7th and became heavy at times during the morning.

		Time Path Local/ Length	Path Width	Number of Persons		Estimated Damage		January 1996		
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	

#### NEW JERSEY, South and Northwest

Blizzard conditions developed during the afternoon and evening as strong northeast winds developed around the intensifying low. There was a lull in the precipitation after midnight on the 8th, before some wraparound snow returned during the daylight hours.

A state of emergency was declared by Governor Whitman on the 7th and was not lifted until the 13th. The state was also declared a disaster area with storm related costs topping 50 million dollars. A driving ban was in effect from the 7th to the morning of the 9th. There was no postal delivery on the 8th. Some schools started opening on Wednesday the 10th. The National Guard helped with snow removal and four wheel drive vehicles were used to transport medical personnel and patients to and from hospitals. The New Jersey Turnpike was closed for its entire length the first time in its 48 year history. More than 1000 cars had to be towed from major New Jersey highways on Sunday. Persons were trapped at rest stops, especially in the northern half of the state. The high winds and powdery snow made it very difficult for road crews to keep roadways open. Drifts reached 12 feet.

Snowfall accumulations averaged 18 to 28 inches with a few higher amounts across North Central New Jersey and lower amounts in Southeast New Jersey. Accumulations averaged 24 to 27 inches in Sussex County, 20 to 27 inches in Warren County, 23 to 28 inches in Morris County, 20 to 30 inches in Hunterdon, Somerset, Mercer and Monmouth Counties, 19 to 32 inches in Middlesex County, 18 to 31 inches in Burlington County, 16 to 24 inches in Salem, Gloucester and Camden Counties, 24 inches inland and 10 to 14 inches at the coast in Ocean County and 10 to 18 inches in Atlantic, Cape May and Cumberland Counties. Specific accumulations included 32 inches in Edison, 31 inches in Bordentown, 30 inches in Whitehouse Station, Raritan and Howell, 28 inches in Long Valley and Freehold, 27 inches at McGuire AFB, Charlotteburg, Hackettstown and Newton, 24 inches in Pennsauken, Chatham and Dover (Ocean County), 22 inches in Belle Mead, New Brunswick, Mount Holly and Somerdale, 15 inches in Beach Haven, Millville and Pomona and 12 inches in Pleasantville and Cape May City.

In addition to the heavy snow, wind gusts reached hurricane force along the coast during the evening of the 7th. An 81 mph gust was recorded in Ocean Grove. Eight housing additions in Manasquan collapsed. Navigation Tower aides at Point Pleasant and Manasquan were toppled. Jersey Central Power and Light reported 14,500 homes lost power, 8,000 occurred in Middlesex, Monmouth and Ocean Counties. Atlantic Electric reported 45,000 homes lost power between 10 p.m. on the 7th and 2 a.m. on the 8th, 20,000 within Cape May County. The power problems were exacerbated in Southeast New Jersey by the combination of freezing rain and sleet that was falling during the high winds. Public Service Electric and Gas reported about 3,000 homes lost power, mainly in Somerset County.

While accumulations were lighter along the shore, the strong northeast flow around the low produced moderate tidal flooding around the evening high tide on the 7th. Tides were three to four feet above normal. Luckily this did not coincide with spring tides and was the lower of the two high tides for the day. The tide reached 7.5 ft above mean low water in Atlantic City and 8.5 ft above mean low water in Cape May. The winds shifted to the northwest Monday morning just in time to prevent worse flooding.

Evacuations of some coastal residents occurred in Belmar, Port Monmouth, Sea Bright and Manasquan in Monmouth County. Street flooding was reported in these areas and also in Avon. In Sea Bright, flooding from the Shrewsbury River exacerbated the flooding. New Jersey State Route 36 was closed from the Highlands/Sea Bright Bridge through Monmouth Beach. In Ocean County, there was bayside flooding in Point Pleasant. Shelters were open in Stafford and Berkley Townships. In Atlantic County, the Black Horse Pike was closed because of tidal flooding. The 34th St. Causeway flooded in Margate. Red Cross Shelters were opened in Brigantine, Atlantic City, Somers Point and Ventnor. Evacuations included a nursing home in Atlantic City. Minor tidal flooding was reported elsewhere in Atlantic City and also in Longport, Margate and Ventnor. Large sand-filled "geotubes" were given credit for saving Atlantic City from further property damage. In Cape May County, about 60 persons were evacuated from North Wildwood, Ocean City, Sea Isle City and West Wildwood. Cars were stuck in the tidal flooding in North Wildwood. About 100 homes were damaged by bay flooding in West Wildwood. Some tidal flooding was also reported in Avalon on Ocean and Dune Drives. Other roads closed due to flooding were the 9th Street Bridge and West Avenue in Ocean City and the George Redding Bridge in Wildwood.

By far the worst damage done along the coast was the erosion. Its estimated about \$26 million worth of sand was scoured away by the blizzard leaving some locations vulnerable to future storms with the worst damage from Manasquan southward. In Manasquan the storm scoured vertically about four feet of beach for a 500 foot stretch. In Ocean County severe erosion was reported by almost every township along the shore. In Brant Beach, a breach occurred at 51st Street as the dunes washed away. Six homes built atop of pilings were hanging over the ocean. In Harvey Cedars, about 500,000 cubic yards (Estimated cost \$4 million) of sand was lost leaving two to five foot cliffs. Many of its snow fences were torn away. The beaches were in very serious condition in Mantaloking (100,000 cubic yards of sand lost.) and Lavalette (About \$2 million of sand lost.). In Atlantic County, the beaches in front of Atlantic City's Claridge Hotel and Casino and Convention Hall were virtually gone. Ventnor lost about six to eight feet of beach. In Brigantine, damage was done to the north end sea wall. In Cape May County, severe erosion was reported in Sea Isle City (Eight blocks of dune lost on the north side of town with up to 10 feet of beach lost.), Stratmere (Heavy erosion south side of town.), Stone Harbor, Townsends Inlet (Fifteen foot gaps made between the dunes.) and Cape May Point State Park (Lost up to 15 feet of sand.). The pounding surf also washed-up a large number of clams in Upper Township, Sea Isle City and North Wildwood. About 2.5 million clams washed ashore.

The weight of the snow also led to several building or roof collapses throughout the state. These included a TJ Maxx in Edison Township, Schroeder Brother Construction in Warren Township, a Pepsi-Cola bottling plant in Ocean Township, a health club on New Jersey State Route 41 in Deptford with one injury and a Sonoco Products Division in Monmouth Junction.

		Time	Path	Path	Number of	Estimated		January 1996
		Local/	Length	Width	Persons	Damage		currently 1>>0
Location	Date	Standard	(Miles)	(Yards)	Killed Injured	Property Crops	Character of Storm	

### NEW JERSEY, South and Northwest

NJZ001-007 Sussex - Warren

12 0800EST 2100EST 0

**Heavy Snow** 

For the second time within a week heavy snow moved into Northwest New Jersey. Fortunately this second storm was weaker than its predecessor. The storm moved from the Lower Tennessee Valley on the evening of the 11th, to eastern North Carolina the morning of the 12th and passed just to the east of New Jersey during the late afternoon of the 12th into Southern New England on the 13th. Snow fell for about a twelve hour period during the day.

Accumulations averaged four to six inches in Warren and Sussex Counties, around four inches in Morris, Mercer and Hunterdon Counties and one to three inches in remaining parts of the Watchung/Raritan Basin and Southwest New Jersey. A change from snow to rain kept accumulations down throughout most of the state.

The mixed precipitation closed Interstate 78 during the afternoon in Hunterdon County and U.S. Route 206 North in Somerset County. Two persons were badly injured near Hackettstown when a car collided with a fuel truck near New Jersey State Route 57.

The accumulative effect of the two snowstorms exacerbated roof collapses. In Camden County, the owner of the AFL Printing Company in Voorhees was injured when its roof collapsed. In Middlesex County, a building roof collapse forced the closure of nine businesses in Dunellen

NJZ007>008-010-012>013-015-017>021  $Warren - Morris - Somerset - Middlesex - Western\ Monmouth - Mercer - Gloucester - Camden - Burlington - Western\ Ocean - Cumberland$ 

19 0830EST

0

High Wind (G55)

Very strong southerly winds preceding a cold front caused wind damage in most of the counties bordering the Delaware River and Bay. The wind damage was exacerbated by a line of thunderstorms that moved through Central New Jersey in the afternoon and uprooted numerous trees and downed power lines. Statewide Public Service Electric and Gas reported 36,500 homes lost power; Jersey Central Power and Light reported 15,600 homes lost power and Atlantic Electric reported 6,000 homes lost power. Most of the power failures in Central New Jersey occurred in the afternoon as the line of thunderstorms moved through. Most homes had power restored by 9 p.m. In Cumberland County, the damaging winds blew out the windows at Bob Novick Chrysler in Bridgeton. In Gloucester County, the roof was ripped from a Turnersville Midas Shop. In Camden County, part of the roof blew away from the TLC University campus in Collingswood. Hackettstown and Mansfield in Warren County were hard hit with many trees down. Wind gusts reached 63 mph in Cumberland County and 61 mph in Hazlet in Monmouth County.

Sussex County					
Countywide	19	1200EST 1900EST	0	0	Flash Flood
Warren County					
Countywide	19	1200EST 1900EST	0	0	Flash Flood
Morris County					
Countywide	19	1200EST 1900EST	0	0	Flash Flood
<b>Hunterdon County</b>					
Countywide	19	1200EST 1900EST	0	0	Flash Flood
Mercer County					
Countywide	19	1200EST 1900EST	0	0	Flash Flood
<b>Burlington County</b>					
Countywide	19	1200EST 1900EST	0	0	Flash Flood
Camden County					
Countywide	19	1200EST 1900EST	0	0	Flash Flood
Gloucester County					
Countywide	19	1200EST 1900EST	0	0	Flash Flood
Salem County					
Countywide	19	1200EST 1900EST	0	0	Flash Flood
<b>Cumberland County</b>					
Countywide	19	1200EST 1800EST	0	0	Flash Flood
Somerset County					
Countywide	19	1300EST 1900EST	0	0	Flash Flood

The combination of melting snow from the previous week's record breaking storms, unseasonably warm temperatures and an additional one to two inches of rain caused the flash flooding of almost every ungaged stream as well as severe urban flooding. By the early afternoon on the 19th stranded motorists were rescued in almost every county. Many roads were closed. Above normal tides compounded the problem by slowing the release of water by inland streams. While the flashier type flooding started to abate during the early evening of the 19th, larger streams and rivers continued to rise and flooding continued along some of them until

		Time Local/	Path Length	Path Width	Number of Persons	Estimated Damage		January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed Injured		Character of Storm	

### **NEW JERSEY, South and Northwest**

the 21st. No serious injuries were reported. Damage estimates from all the flooding are listed in the next entry.

In Gloucester County, 15 families were evacuated from the Willow Trailer Park by boat in West Deptford after the Woodbury Creek overflowed. In Salem County, the heavy rain caused a cellar to collapse in a Woodstown Road home. In Cumberland County, the Cohansey River flooded in Bridgeton behind city hall. Flooding was also reported along the Maurice River. In Camden County, flooding along the Cooper River forced the closure of the Admiral Wilson Boulevard. In Burlington County several homes along the Rancocas Creek were evacuated in Mount Laurel. Above normal tides along the Delaware River and Bay contributed to the problem in the latter three counties. Also in Burlington County the North Branch of the Rancocas Creek flooded in Pemberton forcing the evacuation of one family and flooding along the South Branch of the Rancocas Creek forced the voluntary evacuations of several other families in Southampton. In Mercer County flooding along the Stony Brook resulted in fourteen water rescues including six children in Princeton. In Monmouth County creek flooding caused several road closures in Freehold. In Somerset County, one of the most dramatic rescues occurred at 2 p.m. on the 19th as a father and son were recovered from the top of their minivan that was stuck in the flooded Lamington River. In Middlesex County U.S. Route 1 was closed in Woodbridge. In Warren County a mudslide closed County Road 609 in Knowlton. Flash flooding of a nearby stream in Allamuchy forced the evacuation of a school. In Hunterdon County, a Lambertville Public School was evacuated at 2 p.m. when flooding from a nearby creek started inundating the building. In Sussex County another mudslide destroyed one home and damaged the two adjoining ones in Sparta.

Middlesex County					
Countywide	19	1300EST 1900EST	0	0	Flash Flood
Monmouth County					
Countywide	19	1300EST 1900EST	0	0	Flash Flood
<b>Burlington County</b>					
Countywide	19	1350EST 1420EST	0	0	Thunderstorm Wind
Monmouth County					
Countywide	19	1400EST 1425EST	0	0	Thunderstorm Wind
Ocean County					
Countywide	19	1400EST 1425EST	0	0	Thunderstorm Wind
Somerset County					
Countywide	19	1410EST 1440EST	0	0	Thunderstorm Wind
Mercer County					
Countywide	19	1415EST 1440EST	0	0	Thunderstorm Wind
Middlesex County					
Countywide	19	1415EST 1440EST	0	0	Thunderstorm Wind

Very strong south winds preceding a cold front caused wind damage in most of the counties bordering the Delaware River and Bay. The wind damage was exacerbated by a strong line of thunderstorms that moved through Central New Jersey in the afternoon and uprooted numerous trees and downed power lines. In Burlington County, the wind tore the roof off the Palmyra Ambulance Squad and damaged the roof of the Midway School in Lumberton. In Mercer County, the thunderstorm tore the roof from a Trenton home. A 75,000 pound tree was uprooted in Somerville (Somerset County). Downed trees forced the closure of many roads in western Monmouth County. Jersey Central Power and Light reported 14,000 homes lost power in Middlesex, Monmouth and Ocean Counties. All power was restored by 9 p.m.. Public Service Electric and Gas reported 22,000 homes lost power in Middlesex, Somerset, Burlington, Mercer, Camden and Union Counties.

NJZ001-007>010-015-018

Sussex - Warren - Morris - Hunterdon - Somerset - Mercer - Camden

19 1900EST 0 1 10.7M Flood 26 0800EST

The flash flooding of the afternoon and early evening on the 19th led to larger river flooding through the 21st. The worst damage occurred along the Delaware River which crested at its highest stages in most places since the summer of 1955. Widespread flooding along the Raritan was described as the worst in Manville since Tropical Storm Doria in August 1971. Damage estimates exceeded \$10 million dollars including \$2 million dollars at the Delaware Water Gap National Recreational Area. Only one person was seriously injured (hypothermia) in Raritan Township in Hunterdon County. Sussex, Warren, Morris and Hunterdon Counties were declared disaster areas.

In Warren County, the break-up of an ice jam on the Delaware River near the Delaware Water Gap caused a rapid rise of the river on the 20th. About 800 persons were evacuated by boat, half from Harmony Township and most in townships along the Delaware River. Hardest hit (in order of magnitude) were Harmony, Pohatcong, White and Knowlton Townships. Water from the Delaware surrounded many homes. Some homes had water damage up to the second floor. Porches were washed away and chunks of ice were left behind. It was estimated that 130 residences including mobile homes and apartment buildings were badly damaged along with about twenty businesses. Beside the Delaware, flooding along the Musconetcong River innundated homes in Hackettstown; flooding along the Shabbecong Creek forced the evacuation of 50 people and caused water damage to 70 homes and flooding along the Pequest River innundated homes and businesses on Water and Wall Streets in Belvidere.

		Time Local/	Path Length	Path Width	Number of Persons	Estimated Damage		January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed Injure	ed Property Crops	Character of Storm	

#### **NEW JERSEY, South and Northwest**

In Hunterdon County, flooding continued along the Delaware River and forced the evacuation of over 500 residents on the 20th and 21st. More than half of the evacuations were in Lambertville. The worst damage occurred in Kingwood Township followed by Lambertville and Holland Townships. Homes in Lambertville had up to 5 feet of water in them. The older New Hope-Lambertville Bridge was closed from fear it might have been swept downstream. The footbridge to Lewis Island washed away. Elsewhere in the county, the South Branch of the Raritan River flooded many roads in Tewksbury Township the night of the 19th. In Raritan Boro alone, fire fighters responded to 127 calls of flooded basements.

In Mercer County, more than 2,000 persons were evacuated from Hopewell and Ewing Townships and Trenton (Between New Jersey State Route 29 and the river) as the Delaware rose above flood stage on the 20th and 21st. The worst damage occurred in Trenton and Hopewell Township. The flooding from the river reached the State House Annex and parking lot in Trenton. The Assunpink Creek also flooded basements along Mulberry Street and caused what was described as a "littany of street closures".

In Somerset County, both the Raritan and Millstone Rivers flooded. The flooding in Manville was the worst since Tropical Stom Doria in 1971. Manville became an island for several hours on the 18th as both the Raritan and Millstone crested. About 400 homes in Manville suffered water damage, 70 directly by the river. Some basements had water up to 7 feet deep. About 60 persons were evacuated, mainly in the "Lost Valley" area. Eighteen spent the night at a shelter. In Bound Brook 100 persons were evacuated and about a dozen homes were damaged. In Branchburg 50 persons were evacuated and about 8 homes were damaged. The North Branch of the Raritan River expanded to one-quarter of a mile wide. The flooding along the Millstone River forced the closure of many roadways including U.S. Route 206 and all the crossings into Franklin Township.

In Morris County, dozens of people were evacuated along the Rockaway River in Denville and Boonton. There were numerous road washouts in Washington Township. In Sussex County, the worst damage was in Montague, Sandyston, Vernon and Walpack Townships. There were many washed out roads and damage to culverts and bridges.

The following are crests of the major streams and rivers from this flood. In Sussex County, the Flat Brook at Flatbrookville crested at 6.6 feet at 6 a.m. on the 20th. Flood stage is 6 feet. The Delaware River at Montague crested at 26.6 feet. Flood stage is 25 feet. In Warren County, the Delaware River at Tock's Island crested at 25.7 feet at 1 a.m. on the 20th. Flood stage is 21 feet. Other Delaware River crests included 22.94 feet at Belvidere Bridge (Flood Stage 20 feet.) at 1 p.m. on the 20th, 30.65 feet at Phillipsburg (Flood Stage 22 feet.) and 28.72 feet at Riegelsville (Flood Stage 22 feet) at 6:15 p.m. on the 20th. In Hunterdon County, the Delaware River at New Hope (Opposite Lambertville) crested at 15.34 feet at 11 p.m. on the 20th. Flood stage is 13 feet. The South Branch of the Raritan River crested at 10.43 feet in High Bridge at 2 a.m. on the 20th. Flood stage is estimated at 10 feet. The river crested at 9.75 feet at Stanton at 8 p.m. on the 19th. Flood stage is 8 feet. In Mercer County, the Delaware River at Trenton crested at 22.19 feet at 130 a.m. on the 21st. Flood stage is 20 feet. The Assunpink Creek in Trenton crested at 10.38 feet at 10 p.m. on the 19th. Flood stage is 7 feet. In Somerset County, the North Branch of the Raritan River at Raritan crested at 14.3 feet at 10 p.m. on the 19th. Flood Stage is 10 feet. The river came within 1.2 feet of its all-time record. This flood was described as a once in 50 year event. The main stem Raritan River at Manville crested at 19.94 feet at 430 a.m. on the 20th. Flood stage is 12 feet. This was the highest stage since Tropical Storm Doria in August 1971. In Bound Brook, the Raritan crested at 33.3 feet. Flood stage is 26 feet. The Millstone River at Blackwell Mills crested at 15.2 feet at 915 a.m. on the 20th. Flood stage is 9 feet. In Camden County, the Cooper River at Haddonfield crested at 3.27 feet at 4 p.m. on the 19th. Flood stage is 2.8 feet. It was back within its banks during the early morning hours on the 20th. In Morris County, the Rockaway River above the Boonton Reservoir crested at 5.2 feet at 8 a.m. on the 20th. Flood stage is 5 feet. The Rockaway River below the Boonton Reservoir crested at 6.34 feet at 1 p.m. on the 13th. Flood stage is also 5 feet. The Passaic River at Two Bridges crested at 9.65 feet at 7 p.m. on the 21st. Flood stage is estimated at 9 feet. Other Passaic River crests included 6.4 feet at Chatham (Flood stage is 6 feet.) at 3 p.m. on the 20th and 19.82 feet (Flood stage estimated at 19 feet.) at 11 p.m. on the 21st at Pine Brook. It took several days for the Passaic to return to its banks and it remained barely above flood stage through the 24th.

#### NJZ021

#### Cumberland

24 1722EST 0 0 High Wind

A strong cold front moving through Cumberland County caused wind damage in Bridgeton. The wind knocked down a few telephone poles.

Burlington County
Tabernacle 24 1745EST

Burlington County
Chesterfield 24 1745EST

0 0 Hail (0.88)
0 0 Thunderstorm Wind

A severe thunderstorm uprooted four trees in Chesterfield and pulled the cover off a pool.

Mercer County Hamilton Square 24

NJZ012-015-018>019

24 1746EST 0 0 Thunderstorm Wind 1758EST

A severe thunderstorm knocked down poles and wires in Hamilton Township.

Middlesex - Mercer - Camden - Burlington

27 1200EST 0 2 High Wind 1600EST

High winds preceding a cold front caused wind damage in parts of central New Jersey. Trees brought down power lines which in turn caused outages. Most power was restored by 5 p.m. In Mercer County, about 4,500 homes lost power, mainly in Hopewell Township. In Middlesex County, a temporary wall was blown away from a TJ MAXX store in Edison. In Burlington County, two Cinnaminson Pontiac employees were slightly injured when the wind peeled off part of a roof and blew in a showroom window. Power outages occurred in Willingboro and Lumberton. In Camden County, a tree fell on and damaged a house in Cherry Hill.

		Time Local/	Path Length	Path Width		ber of sons	Estin Dan	nated		January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	
NEW JERSEY, South a				_						
NJZ001-007>010	27 31 One to o Jersey. A Lincoln and 5 ro	A 71-year-old i Park in Morris	inches of rain man died from County the ed in Pequant	fell on satur n hypotherm evening of th nock. In Der	trated soil a ia after his e 28th. El nville, floo	rowboat sewhere oding alor	capsized and capsi	nd fell into County, abo kaway Riv	Flood ger streams and rivers the Passaic River nea out 20 roads were clos er forced the evacuati	r Forest Avenue in ed in Lincoln Park
	Delawar on the 2s Flood sta feet) at 1 on the 2s The Rar Pomptor the Boor Reservoi 30th. Tr Pine Bro a.m. on the 2s	e crested at 22.8th. Flood sta age is 6 feet. In 0.04 feet at 11 8th. Flood stag itan River in 1 a River at Pom atton Reservoir r crested at 7.2 ae Passaic Rive ok it crested at	38 feet at not ge is 19 feet. Hunterdon C p.m. on the 2 ge is 9 feet. T Bound Brook pton Plains crested at 5.28 feet at 11 a gr at Chatham 20.36 feet at	on on the 28t In Sussex C County, the So 17th. In Son The Raritan R crested at 2 rested at 4 a. 1.m. on the 2t crested at its 7 a.m. on the	h. Flood Stounty, the outh Brand nerset County iver in Ma 28.4 feet at 1 m. on the 8th. Flood stage 29th. Fl	Stage is 2: Flat Broch of the lanty, the Manville creat 6 a.m. O a.m. on 28th. Flat I stage is ge of 6 fe	2 feet. In Rok at Flatbe Raritan Riv Millstone Riested at 14.4 on the 28th the 28th. ood stage i 5 feet. The et at 9 p.m. is 19 feet.	tiegelsville control of the control	previous weekend. In the river crested at 22 rested at 7.05 feet at 25 Bridge crested just abookwell Mills crested at a.m. on the 28th. Flostage is 26 feet. In Me is 16 feet. The Rockaway River be not recede to bankfull h. Elsewhere along the ridges, the river creste aic to fall below flood	2.28 feet at 10 a.m. B a.m. on the 28th. ove flood stage (10 9.96 feet at 8 a.m. od stage is 12 feet. Morris County, the caway River above below the Boonton until 9 p.m. on the Passaic River, at d at 11.87 feet at 7
Mercer County		1500EGE				0				
Countywide	Nottingh	am Way and t							Flash Flood  for the second time crested at 7.8 feet at 6	
NEW MEXICO, Centra		age is 7 feet.								
NMZ002>003-005-011-		=	cluding Jem	ez - Upper F	Rio Grand	le Valley	- Northeas	t Highlan	ds - Central High Pla	ins/Estancia
017	01	nty - Capitan 0900MST 2300MST			0	0			Heavy Snow	
	Amounts	of 8 to 12 inc	hes closed sc	hools and hig	ghways ne	ar and eas	st of Santa I	Fe. Motoris	ead northeastward into sts were stranded along over two feet of snow	g Interstate 40 near
NMZ007-009>010-013- 016>021								Plains -	- Lincoln County Hi Roosevelt - Curry High Wind (G6	
NMZ002-004-007		Mountains In 1200MST 2200MST	cluding Jem	ez - Sangre l	De Cristo 0	Mountai 0	ins - Far N	ortheast I	Plains Heavy Snow	
	over the Lincoln, over an a	nds caused dan northeastern I Socorro and V	olains. Dama alencia coun in Socorro w	ge included ties as winds ere heavily o	numerous gusted 60 lamaged. I	reports of to 70 mp Flying roo	of roof shin oh. Several oks dented	gles torn workshop cars and b	snow to produce near taway and porch cover building near Carrizoz roke windows in Ruid	rings ripped off in o and the covering
NMZ008>009	Westcentra 25	d Mountains - 1055MST 2101MST	Middle Rio	Grande Val	lley 0	0			High Wind (G6	0)
		ont swept acro			-	-	calized gust	s of 55 to	65 mph.	
NMZ005>007-013	Northeast 1 28	Highlands - H 1100MST 1600MST	arding - Far	Northeast I	Plains - Qu 0	uay 0	25K		High Wind (G5	2)
N3.67002.004	•							ed by wind	ls on Interstate 25 near	Wagon Mound.
NMZ002-004	31	Mountains In 0100MST 1200MST	Ü	J	0	0	ins		Heavy Snow	
NEW MEXICO, South		es of fresh snow	w was reporte	ed at Chama a	and Angel	Fire.				
NMZ031		<u>1 Southwest</u> Desert Mimbi 0900MST	res Basin		0	0			High Wind (G7	0)
	11	1800MST			v	v			gii (, iiiu (07)	-,

1800MST

High winds did widespread but minor damage. All roads in the county were closed at one point due to poor visibility in blowing dust.

		Time Local/	Path Length	Path Width	Number Person		Estimated Damage	January 199
Location	Date	Standard	(Miles)	(Yards)			Property Crops	Character of Storm
NEW MEXICO, South	Central and	Southwest						
NEW MEXICO, South	east							
NMZ027		Mountains C	Of Eddy Cor	unty				
	02	0400MST 1100MST			0	0		Heavy Snow
	An strong		storm movii	ng to the sout	heast through	western	New Mexico and	Far West Texas supplied the lift to caus
	•	ows over the h	nigher terraii	n of the region	. Six inches	of snow	fell at Queen.	
NMZ028	Eddy Coun 17	ty Plains 1030MST			0	0	16K	High Wind (G63)
		1800MST	1.72		-			<b>3</b> , , ,
		corded at 68 damage at Ca			eters in Caris	oad. Po	les were damaged	l and some lines snapped. Also a vehic
NMZ029	Lea	uumuge ur ot	arisoud ouve					
	17	1200MST 1800MST			0	0	25K	High Wind (G57)
	Poles and		lown down i	n Hobbs plus	other scattere	d proper	ty damage around	town. Winds were recorded at 65 mph
	town. In	Lovington, si	x poles were	knocked dov	vn and part of	a porch	was thrown about	50 feet.
NEW YORK, Central	N4h O		- C	C41 C-		J C	4h C-hl-	. Chamana Tamakina Madiana
NYZ009-015>018- 022>025-036>037-							teuben - Schuyle Delaware - Sulliv	r - Chemung - Tompkins - Madison - van
044>046-055>057-062				0 0				
	02 03	2100EST 2000EST			0	0	73K	Heavy Snow
		winter storm f						bringing heavy snow to central New Yor
								ell across the Finger Lakes, in a band from vy snow resulted in a 15-car pileup alor
		88. No injuri			ngo County,	iicai zer	o visionity in nea	vy snow resulted in a 13-car pricup alor
NYZ009-015>018-								r - Chemung - Tompkins - Madison -
022>025-036>037- 044>046-055>057-062	Southern O	neida - Cortl	land - Chen	ango - Otseg	o - Tioga - Bı	oome -	Delaware - Sulliv	an
044/040-033/037-002	05	2200EST			0	0		Extreme Cold
	07	1000EST	ed into centr	al New York	on the afterno	on of the	5th and lasted the	rough the 7th, bringing extreme cold to the
								he record of -9F in 1910) and Binghamto
	*				_			e once again set in Syracuse
					_			ne record of -2F in 1988). Finally, on the date, which was set in 1968.
	Č				C			
NYZ056>057-062		elaware - Sul	llivan					
	07 08	1000EST 1400EST			0	0	60K	Heavy Snow
	A winter	storm brough	•					s as it moved up the East Coast. Snowfa
	amounts Sullivan		ches were c	common in B	roome and D	elaware	counties, but sno	wfall of one to two feet was observed
	Sumvan	Jounty.						
NYZ018	Onondaga							
	10	0200EST 2200EST			0	0	0	Heavy Snow
	A bitterly		est flow of a	ir across Lake	Ontario brou	ght lake	effect snow squal	ls to Onondaga County. 10 inches of sno
	fell in Ce	darvale.						
	~-		_		~			
NYZ045>046-055>057- 062	Chenango -	Otsego - Tio	ga - Broom	e - Delaware	- Sullivan			
<b>VV2</b>	12	1000EST			0	0	18K	Heavy Snow
	13 A winter	0200EST storm formed	d off the co	ast of North (	Carolina and	noved n	orthward along th	ne Eastern Seaboard. The storm brought
								n, where accumulations of one to two fe
								sharp cutoff between areas which receive
								east of a line from Owego to Norwich an fell in Franklin (Delaware County) and 1
								ths of an inch fell in Syracuse.
Steuben County	46	0.500			^	•	4.65	F1 1 F1 -
Countywide	19 20	0530EST 0700EST			0	0	4.4M	Flash Flood
	The r	nost disastrou						from the early morning of the 19th to the
	evening of	of the 21st. Si	ignificant w	idespread floo	oding of strea	ms, rive	rs, homes and bus	inesses, streets and highways, woodland

evening of the 21st. Significant widespread flooding of streams, rivers, homes and businesses, streets and highways, woodlands, and farmland occurred as a result of rapid snowmelt and nearly simultaneous storm runoff. Every county in central New York experienced road closures due to washouts, mudslides, and failed, damaged, or weakened bridges. There were six known fatalities.

		Time Local/	Path Length	Path Width		ber of sons	Estima Dama			January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	

### NEW YORK, Central

In Delaware County, five occupants of one car were killed when their vehicle and three others were swept into the Cannonsville Reservoir. A roadway over a sluice from an upstream pond collapsed before a New York City Bureau of Water Supply patrolman could warn the driver. Two occupants of one vehicle and the patrolman were rescued. The driver of the fourth vehicle was found dead several months later. A major fire, destroying two downtown stores, occurred during the flooding in Walton (Delaware County). Nearly every county declared a county-wide State of Emergency with remaining counties having locally declared States of Emergency on January 19th. Most States of Emergency were lifted by late on January 20th. Many counties experienced small-scale evacuations of homes and/or businesses.

A strong low pressure system tracked northward across the Great Lakes on the morning of the 19th, bringing mild air into the region on strong southerly winds gusting to 45 MPH. The strong winds played a significant role in eroding the snowpack - snow depths by sunrise on the 19th ranged from only a few inches to bare ground, down from depths of one to two and a half feet the day before! Water equivalents of the eroded snowpack ranged from two and a half to five inches.

During the early morning hours of the 19th, a line of heavy rain showers and embedded thunderstorms developed ahead of a strong cold front. Streams and creeks were approaching bankfull due to runoff from the snowmelt. Rainfall intensified over the region as the front slowed its eastward progress. Rainfall amounts ahead of the front were generally between one and a half and two and a half inches, with many locations receiving rainfall rates of one-half to one inch in an hour. Serious flooding of streams and creeks began across the Finger Lakes Region and Central Southern Tier Counties during the mid to late morning, and commenced across the remainder of central New York during the afternoon as the heavy rain moved east. The cold front moved across the region during the afternoon, causing temperatures to drop from the 50s into the 20s, and the rain to change to snow (with some areas receiving a period of sleet and/or freezing rain) in only one to two hours. The rapid drop in temperature that caused standing water to freeze rapidly, in concert with the one to two inches of snow that accumulated in most areas by evening, created very slippery conditions throughout central New York.

Flash floods that began early on the 19th gave rise to main stem river floods that persisted until the evening of the 21st. Near record river flooding occurred on January 19th and 20th over the Chemung, upper Susquehanna, and upper Delaware River basins. At Waverly, in Tioga County, the Susquehanna River crested at its third highest level of all time, at 20.35 feet, which was about one foot lower than the all time crest of 21.40 feet recorded on March 19, 1946. Most forecast points had fallen below flood stage by the evening of January 21.

NYZ022-024-044>046-
055>057-062

Steuben - Chemung - Cortland - Chenango - Otsego - Tioga - Broome - Delaware - Sullivan

000, 00.							
	19 21	0800EST		0	0		Flood
D-1	21	2100EST					
Delaware County	10	0020ECT		_	•	0.234	
Countywide	19 20	0830EST 0800EST		6	0	9.3M	Flash Flood
		, F32VE, M3VE, M1V	E M52VE M23VE				
Chemung County	11127 12	, 1 32 ( L, 1413 ( L, 1411 (	E, 11132 V E, 11123 V E				
	10	0020ECT		Δ.	0	17.8M	Flash Flood
Countywide	19 20	0830EST 0700EST		0	U	17.811	Flash Flood
Schuyler County	20	0700251					
Countywide	19	0830EST		0	0	1.5M	Flash Flood
Countywide	20	0700EST		U	U	1.51/1	Flash Flood
Yates County	20	0700E51					
	19	0830EST		0	0	7.9M	Flash Flood
Countywide	20	0700EST		U	U	7.9IVI	Flash Flood
Seneca County	20	0700ES1					
Countywide	19	0830EST		0	0	500K	Flash Flood
Countywide	20	0700EST		U	U	300K	Flash Flood
Cayuga County	20	0700ES1					
	19	0020ECT		1	0	1.4M	Flash Flood
Countywide	20	0830EST 0700EST		1	U	1.4111	Flash Flood
	F29VE	0700LS1					
<b>Tompkins County</b>	12,12						
Countywide	19	0830EST		0	0	19M	Flash Flood
Countywide	20	0700EST		U	U	1911	Flash Flood
Tioga County	20	0700LS1					
Countywide	19	0830EST		0	0	4.5M	Flash Flood
County wide	20	0700EST		U	U	4.5111	Flash Flood
Onondaga County		0.00251					
Countywide	19	0830EST		0	0	7.6M	Flash Flood
County wide	20	0700EST		U	U	7.0111	riasii riood
<b>Cortland County</b>		*****					
Countywide	19	0830EST		0	0	5.7M	Flash Flood
County wide	20	0700EST		U	U	3.7141	riash riood
<b>Broome County</b>							
Countywide	19	0830EST		0	0	7.9M	Flash Flood
Souliej Wide	20	0700EST		~	Ü	,.,,,,,	1 14511 1 1000
Oneida County							
Countywide	19	0830EST		0	0	100K	Flash Flood
County wide	20	0700EST		~	Ü	10011	riasii rioou
	= -						

		Time Local/	Path Length	Path Width	Numb Pers		Estima Dama	nted		January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	
NEW YORK, Central										
<b>Madison County</b>										
Countywide	19 20	0830EST 0700EST			0	0	1.5M		Flash Flood	
Chenango County										
Countywide	19 20	0830EST 0700EST			0	0	7.9M		Flash Flood	
Otsego County										
Countywide	19 20	0830EST 0800EST			0	0	5.4M		Flash Flood	
Sullivan County										
Countywide	19 20	1215EST 0800EST			0	0	8.7M		Flash Flood	
NYZ009-015-018- 036>037-044-046- 055>057-062	Northern ( Sullivan	Onedia - Yates	- Onondaga	a - Madison	- Southern	Oneida	- Cortland	- Otsego	- Tioga - Broome - I	Oelaware -
	27	0700EST 1500EST			0	4	133K		High Wind (G5	<b>58</b> )
	A sprin	g-like storm sy	stem moved				_	_	winds to central New	

A spring-like storm system moved toward the Great Lakes, bringing mild air and strong winds to central New York. There were many reports of downed trees and wires, as winds gusted over 60 MPH. Four people were injured in Grand Gorge (Delaware County), when their mobile home was overturned by high winds. Peak wind gusts included 62 MPH at the Oneida County Airport (UCA) near Utica just before 11 AM, 62 MPH in Cazenovia (Madison County) around 830 AM, and 54 MPH in Syracuse just before 10 AM.

Delaware County Fleischmanns

27 1100EST 0 0 10K 0 Flash Flood

A spring-like storm system brought heavy rains to much of Northeast Pennsylvania, and the Western Catskills in New York. Nearly three inches of rain fell in a short period, causing creeks and small streams to rise out of their banks. Flash flooding in the Catskills closed Route 28 between Fleischmanns and Margaretville in Delaware County, and Route 97 near Lumberland in Sullivan County. Pike and Wayne counties were particularly hard hit out of all of Northeast Pennsylvania. Routes 590 and 739 were flooded, in addition to State Route 2009. Salt Lick Creek flooded part of Route 11 in Susquehanna County.

Sullivan County Minisink Ford

27 1115EST 0 0 1800EST

Route 97 was undermined by flash flooding near Lumberland. Flooding was also reported along Kortright Road between Bethel and Thompson, along Frost Valley Road near Round Pond, and near Highland and Jeffersonville.

<b>NEW YORK, Coastal</b>			,		
NYZ067	Orange				
	03	0400EST	0	0	Heavy Snow
NYZ068	Putnam				
	03	0400EST	0	0	Heavy Snow
NYZ069	Rockland				
	03	0400EST	0	0	Heavy Snow
	A low pr	essure system that moved northeast across the	area pro	duced some heavy snow. Sno	wfall ranged from 6 to 7 inches.
NYZ070	Northern V	Vestchester			
	03	0400EST	0	0	Heavy Snow
NYZ067	Orange				
	07	1600EST	0	0	Blizzard
	08	1500EST			
NYZ068	Putnam	4 < 0.077.077			<b></b>
	07 08	1600EST 1500EST	0	0	Blizzard
NYZ069	Rockland	1300E31			
N 1 2009	07	1600EST	0	0	Blizzard
	08	1500EST	U	v	Diizzaiu
NYZ070	Northern V	Vestchester			
	07	1600EST	0	0	Blizzard
	08	1500EST			
NYZ071	Southern W				
	07	1600EST	0	0	Blizzard
	08	1500EST			
NYZ072		(Manhattan)	0	0	DI: 1
	07 08	1600EST 1500EST	0	0	Blizzard
NYZ073	Bronx	13001131			
N120/3	07	1600EST	0	0	Blizzard
	08	1500EST	v	·	Dileeara
NYZ074	Richmond (				
	07	1600EST	0	0	Blizzard
	08	1500EST			

NYZ075			Time Local/	Path Length	Path Width	Number of Persons	Estimated Damage	January	1996
NY2075	Location	Date						os Character of Storm	
NYZ076									
NY 1076   Queer	NYZ075					0	0	Blizzard	
NYZ077						v	·	2	
Name	NYZ076	-	1/00ECT			0	0	Di:1	
NYZ075						U	U	Blizzard	
NYZ078   NOTINES SURFORM   N	NYZ077					•	•		
Northwest Surface   10						0	0	Blizzard	
1806    1806	NYZ078		Suffolk						
Not   100						0	0	Blizzard	
1908   1908  19	NYZ079								
NYZOR1						0	0	Blizzard	
1600EST	NYZ080								
A storm of historic proportion moved northeast across the region. Extremely heavy snow accompanied this storm. Snowfall totals ranged from 19 to 28 inches. For some areas, this was a record snowfall. The heavy snow mide with storms winds to create bilizard conditions for several hours. All forms of transportations were cippled. All area airports were closed, some for a couple of closes. Schools were closed throughout the region. Several people were injured during the next several days as numerous roofs calculated by the extremely heavy load of snow. A state of emergency was declared days as numerous roofs could be all to the extremely heavy load of snow. A state of emergency was declared days as numerous roofs could be all to the extremely heavy load of snow. A state of emergency was declared days as numerous roofs could be all to the extremely heavy load of snow. A state of emergency was declared days as numerous roofs could be all to the extremely heavy load of snow. A state of emergency was declared days as numerous roofs could be all to the extremely heavy load of snow. A state of emergency was declared days as numerous roofs could be all to the extremely heavy load of snow. A state of emergency was declared days as numerous roofs could be all to the extremely heavy load of snow. A state of emergency was declared days as numerous roofs could be all to the extremely heavy load of snow and the state of emergency was declared days as numerous roofs could be all to the extremely heavy load of snow and the state of emergency was declared abys an unerous roofs could be all to the extremely heavy load of snow and the state of emergency was declared abys an unerous roofs could be all to the extremely heavy load of emergency was declared abys an unerous roofs and the state of emergency was declared abys an unerous roofs could be all to the extremely heavy load of emergency was declared byself.  NYZ072 New County of the extremely heavy load of snow and the extremely heavy load of emergency was declared byself. The	1(12000	07	1600EST			0	0	Blizzard	
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Ordays   Hundreds of Millions of dollars were spent for snow removal. Millions of dollars were lost for area businesses that had to collapsed due to the extremely heavy load of snow. A state of emergency was declared for this storm that was dubbed the BLIZZARD OF 1600EST				•		-	• •	*	
close   Schools were closed throughout the region. Several people were injured during the next several days as numerous roofs collapsed due to the extremely heavy load of snow. A state of emergency was declared for this storm that was dubbed the BILZZARD OF '96.   NYZ081						-	* *	•	-
Collapsed due to the extremely heavy load of snow. A state of emergency was declared for this storm that was dubbed the BLIZZARD DOF '96.   Southeast Suffolk									
NYZ071   Southeast Surfect   Southers Surfect				_	_	-		•	
NYZ071									
NYZ071   Southern West-thester   17   2200EST   0   0   0   Coastal Flooding	NYZ081					0	0	Rlizzard	
NYZ072						v	v	Blizzaru	
1200EST	NYZ071					0	•	C ALE I	
NYZ072   New York (Manhattan)   O						U	U	Coastal Flooding	
NYZ072   New York (Manhattan)   07   2200EST   0   0   0   Coastal Flooding		-			ind flow cau	sed moderate co	astal flooding at times	of high tide. Several houses on Fire	Island
NYZ074   Richmond   Staten Is.)	NV7072		-	an.					
NYZ075   Richmond (Staten Is.)   07   2200EST   0   0   0   Coastal Flooding	11120/2	07	2200EST			0	0	Coastal Flooding	
NYZ075   Kings (Brooklym)	NIX/72 071 4								
NYZ075   Kings (Brooklyn   O	N120/4					0	0	Coastal Flooding	
NYZ076   Queens   Q								S	
NYZ076   Queens	NYZ075		• /			0	0	Coastal Flooding	
NYZ077   Nassau						v	·	Coustai Proving	
NYZ077   Nassau	NYZ076	-	2200FST			0	0	Coastal Flooding	
NYZ078  Northwest Suffolk  07 2200EST 0 0 0 Coastal Flooding  NYZ079  Northeast Suffolk  07 2200EST 0 0 0 Coastal Flooding  NYZ079  Northeast Suffolk  07 2200EST 0 0 0 Coastal Flooding  NYZ081  Southeast Suffolk  07 2200EST 0 0 0 Coastal Flooding  NYZ081  Southeast Suffolk  07 2200EST 0 0 0 Coastal Flooding  NYZ081  Southeast Suffolk  07 2200EST 0 0 0 Coastal Flooding  Westchester County Countywide  12 1800EST 0 0 0 Urban/Sml Stream Fld  A low pressure system over Virginia during the morning moved northeast across Southern New England during the evening. The form of precipitation changed quickly along the coast from snow to heavy rain. The heavy rain and melting snowpack from the blizzard a few days earlier caused extensive and serious flooding.  New York County Countywide  12 1800EST 0 0 0 Urban/Sml Stream Fld  Bronx County Countywide 12 1800EST 0 0 Urban/Sml Stream Fld						U	V	Coastai Flooding	
NYZ078  Northwest Suffolk  07 2200EST 0 0 0 Coastal Flooding  NYZ079  Northeast Suffolk  07 2200EST 0 0 0 Coastal Flooding  NYZ079  Northeast Suffolk 07 2200EST 0 0 0 Coastal Flooding  NYZ081  Southeast Suffolk 07 2200EST 0 0 0 Coastal Flooding  NYZ081  NYZ081  Southeast Suffolk 07 2200EST 0 0 0 Coastal Flooding  Westchester County Countywide 12 1800EST 10 0 0 Urban/Sml Stream Fld 2100EST  A low pressure system over Virginia during the morning moved northeast across Southern New England during the evening. The form of precipitation changed quickly along the coast from snow to heavy rain. The heavy rain and melting snowpack from the blizzard a few days earlier caused extensive and serious flooding.  New York County Countywide 12 1800EST 0 0 0 Urban/Sml Stream Fld  Bronx County Countywide 12 1800EST 0 0 Urban/Sml Stream Fld	NYZ077		2200505			0	•	G (IFI II	
NYZ079 Northeast Suffolk 07						U	U	Coastal Flooding	
NYZ079 Northeast Suffolk  07	NYZ078								
NYZ079  Northeast Suffolk  07 2200EST 0 0 0 Coastal Flooding  NYZ081  Southeast Suffolk  07 2200EST 0 0 Coastal Flooding  NYZ081  Westchester County Countywide  12 1800EST 0 0 Urban/Sml Stream Fld  2100EST  A low pressure system over Virginia during the morning moved northeast across Southern New England during the evening. The form of precipitation changed quickly along the coast from snow to heavy rain. The heavy rain and melting snowpack from the blizzard a few days earlier caused extensive and serious flooding.  New York County Countywide  12 1800EST 0 0 Urban/Sml Stream Fld  Bronx County Countywide  12 1800EST 0 0 Urban/Sml Stream Fld						0	0	Coastal Flooding	
NYZ081  Southeast Suffolk  07 2200EST 0 0 Coastal Flooding  Westchester County Countywide  12 1800EST  A low pressure system over Virginia during the morning moved northeast across Southern New England during the evening. The form of precipitation changed quickly along the coast from snow to heavy rain. The heavy rain and melting snowpack from the blizzard a few days earlier caused extensive and serious flooding.  New York County Countywide  12 1800EST 0 0 Urban/Sml Stream Fld  Bronx County Countywide 12 1800EST 0 0 Urban/Sml Stream Fld	NYZ079								
NYZ081  Southeast Suffolk  07 2200EST 0 0 0 Coastal Flooding  Westchester County Countywide  12 1800EST 0 0 0 Urban/Sml Stream Fld  A low pressure system over Virginia during the morning moved northeast across Southern New England during the evening. The form of precipitation changed quickly along the coast from snow to heavy rain. The heavy rain and melting snowpack from the blizzard a few days earlier caused extensive and serious flooding.  New York County Countywide  12 1800EST 0 0 Urban/Sml Stream Fld  Bronx County Countywide 12 1800EST 0 0 Urban/Sml Stream Fld						0	0	Coastal Flooding	
Westchester County Countywide  12 1800EST A low pressure system over Virginia during the morning moved northeast across Southern New England during the evening. The form of precipitation changed quickly along the coast from snow to heavy rain. The heavy rain and melting snowpack from the blizzard a few days earlier caused extensive and serious flooding.  New York County Countywide 12 1800EST 0 0 0 Urban/Sml Stream Fld  Bronx County Countywide 12 1800EST 0 0 Urban/Sml Stream Fld	NYZ081								
Westchester County Countywide  12 1800EST A low pressure system over Virginia during the morning moved northeast across Southern New England during the evening. The form of precipitation changed quickly along the coast from snow to heavy rain. The heavy rain and melting snowpack from the blizzard a few days earlier caused extensive and serious flooding.  New York County Countywide 12 1800EST 0 0 Urban/Sml Stream Fld  Bronx County Countywide 12 1800EST 0 0 Urban/Sml Stream Fld						0	0	Coastal Flooding	
Countywide  12 1800EST	Westchester County	US	1200ES1						
A low pressure system over Virginia during the morning moved northeast across Southern New England during the evening. The form of precipitation changed quickly along the coast from snow to heavy rain. The heavy rain and melting snowpack from the blizzard a few days earlier caused extensive and serious flooding.  New York County  Countywide  12 1800EST  2100EST  0 0 Urban/Sml Stream Fld  Countywide  12 1800EST  0 0 Urban/Sml Stream Fld		12	1800EST			0	0	Urban/Sml Stream Fld	
form of precipitation changed quickly along the coast from snow to heavy rain. The heavy rain and melting snowpack from the blizzard a few days earlier caused extensive and serious flooding.  New York County  Countywide  12		A low n		over Virgini	a during the	morning moved	northeast across Sout	hern New England during the evening	The
New York County   Countywide   12		form of	precipitation c	hanged quick	ly along the	coast from snov	w to heavy rain. The		
Countywide         12         1800EST 2100EST         0         0         Urban/Sml Stream Fld           Bronx County         Countywide         12         1800EST         0         0         Urban/Sml Stream Fld	N N 10	blizzard	a few days ear	lier caused ex	tensive and	serious flooding.	•		
2100EST  Bronx County  Countywide 12 1800EST 0 0 Urban/Sml Stream Fld	· · · · · · · · · · · · · · · · · · ·	12	1800FST			0	0	Urhan/Sml Stream Fld	
Countywide 12 1800EST 0 0 Urban/Sml Stream Fld	•	12				<b>o</b>	ŭ	Civaliyanii attani Fiu	
Countywide 12 1000EST 0 0 Urban/Smi Stream Fid 2100EST		10	1900557			A	0	Unhan/Cml Ctusam El-l	
	Countywide	12	2100EST			U	v	OTDAII/SIIII SIFEAM FIO	

		Time	Path	Path	Number	of	Estimated		January 1006
Location	Date	Local/	Length	Width	Persons	S	Damage	Character of Starma	January 1996
	Date	Standard	(Miles)	(Yards)	Killed Ir	ijured	Property Crops	Character of Storm	
NEW YORK, Coastal									
Richmond County Countywide	12	1800EST			0	0		Urban/Sml Str	eam Fld
County wide	12	2100EST			v	U		Croan/Sim Str	cam riu
Kings County									
Countywide	12	1800EST			0	0		Urban/Sml Str	eam Fld
0 0 1		2100EST							
Queens County Countywide	12	1800EST			0	0		Urban/Sml Str	oom Fld
Countywide	12	2100EST			U	U		Orban/Sim Su	eam riu
Nassau County									
Countywide	12	1800EST			0	0		Urban/Sml Str	eam Fld
C ee n C		2100EST							
Suffolk County	12	1000ECT			0	0		Urban/Sml Str	oom Eld
Countywide	12	1800EST 2100EST			U	U		Urban/Smi Str	eam Fid
NYZ067>081							estchester - New Yor k - Northeast Suffoll		
	D	1400EST			ŭ	v		mgn vina	
NYZ080	Southwest S	Suffolk							
	19	0900EST			0	0		High Wind	
	Strong	1400EST	e queting in	excess of 50	MDH produce	d wida	spread wind damage	across the region N	Acet of the damage
		to trees and p		excess of 50	WII II produce	u wiuc	spread wind damage	across the region. I	viosi of the damage
NYZ067>079-081				hern Westch	ester - South	ern We	estchester - New Yor	k (Manhattan) - Br	ony - Richmond
111200/20/2-001							k - Northeast Suffolk	` /	
	19	1200EST	. , .		0	0		Flood	
	20	1400EST							
NYZ080	Southwest S				0	0		T71 J	
	19 20	1200EST 1400EST			0	0		Flood	
	19th and of water	continued we	ll into the ne y the past b	xt day. Seve	ral roofs collap	sed du	ver and stream flooding the next few days oding was so widespreading was so widespreading to the control of the	in response to an ex	tremely heavy load
Westchester County									
North Castle	19	1430EST	a maariin a thu	ovale tha ana	0	0 Nda that	darrmad mumamana tur	Thunderstorm	Wind
W4-b4 C4	A line of	tnunderstorm	s moving thr	ougn the area	a produced wir	ias tnat	downed numerous tre	ees and power lines.	
Westchester County White Plains	19	1430EST			0	0		Thunderstorm	Wind
Rockland County	1)	1430131			v	U		Thunderstorm	Willia
West Nyack	19	1432EST			0	0		Thunderstorm	Wind (G54)
Queens County									(92.1)
Flushing	19	1500EST			0	0		Thunderstorm	Wind
Nassau County									
Countywide	19	1555EST			0	0		Thunderstorm	Wind (G52)
NYZ067>068	Orange - P				0	•		<b>771</b> 1	
	24 25	1400EST 0000EST			0	0		Flood	
NYZ069	Rockland								
	24	1400EST			0	0		Flood	
	25	0000EST					101		
NT 170 CF		g snowpack a	nd locally he	avy rains cor	nbined to prod	uce sign	nificant river and sma	ll stream flooding ac	ross the area.
NYZ067	Orange 27	0800EST			0	0		High Wind	
		1900EST						Ü	
NYZ068>079-081							- New York (Manha st Suffolk - Southeas		hmond (Staten Is.)
NYZ080	Southwest S								
	27	0800EST			0	0		High Wind	
	A strong	1900EST southerly win	d at times is	excess of 50	) MPH caused	l numer	rous trees and power l	ines to fall	
Orange County	11 Strong	Southerly WIII	ia, ai minos II	1 0.00035 01 30	, 1/11 11, CauseC	. mullici	ous trees and power r	ines to ruit.	
Countywide	27	1300EST			0	0		Urban/Sml Str	eam Fld
· · · · · · · · · · · · · · · · ·	28	0000EST			-	-			-

		Time Local/	Path Length	Path Width		ber of sons	Estima Dama			January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	
NEW YORK, Coastal										
Rockland County										
Countywide	27	1300EST			0	0			Urban/Sml Stre	am Fld
·	28	0000EST								
Queens County										
Countywide	27	1300EST			0	0			Urban/Sml Stre	am Fld
·	28	0000EST								
Nassau County										
Countywide	27	1300EST			0	0			Urban/Sml Stre	am Fld
·	28	0000EST								
Westchester County										
Countywide	27	1300EST			0	0			Urban/Sml Stre	am Fld
·	28	0000EST								

Heavy rains from 1 to 2 inches caused extensive and severe flooding of roads and poor drainage areas.

#### **NEW YORK, East**

NYZ032>033-038>043-047>054-058>061-063>066 Northern Herkimer - Hamilton - Southern Herkimer - Fulton - Montgomery - Northern Saratoga - Warren - Washington - Schoharie - Western Schenectady - Eastern Schenectady - Southern Saratoga - Western Albany - Eastern Albany - Western Rensselaer - Eastern Rensselaer - Western Greene - Eastern Greene - Western Columbia - Eastern Columbia - Western Ulster - Western Dutchess - Eastern Dutchess

02 2000EST 03 2000EST 0 Heavy Snow

A major winter storm developed over the Gulf coast states on January 2nd and tracked northeast along the eastern seaboard during January 3rd. Heavy snow fell across all of eastern New York with the average snowfall ranging from 10 to 12 inches. Snowfall amounts reached 20 inches across the Catskills.

NYZ032>033-038>043-047>054-058>061-063>066 Northern Herkimer - Hamilton - Southern Herkimer - Fulton - Montgomery - Northern Saratoga - Warren - Washington - Schoharie - Western Schenectady - Eastern Schenectady - Southern Saratoga - Western Albany - Eastern Albany - Western Rensselaer - Eastern Rensselaer - Western Greene - Eastern Greene - Western Columbia - Eastern Columbia - Western Ulster - Western Dutchess - Eastern Dutchess

06 0200EST 0900EST 0 Extreme Cold

An arctic airmass settled over eastern New York on the 6th of January bringing extreme cold to the region. A record low was set in Albany with a reading of -19 degrees. This broke the old record low of -14 degrees set back in 1972.

NYZ058>061-063>066

Western Greene - Eastern Greene - Western Columbia - Eastern Columbia - Western Ulster - Eastern Ulster - Western Dutchess - Eastern Dutchess

07 1400EST

07 1400ES1

0 0 640K

Heavy Snow

An intense winter storm formed off the coast of South Carolina on January 7th. The system moved northeast along the east coast on Monday January 8th and into Nova Scotia by the 9th. Heavy snow fell across southeast New York. President Clinton declared the Hudson Valley and Catskills a federal disaster area. The heavy snow caused many power outages across the region and several roofs to collapse. Some specific snowfall totals included 23 inches in Ancram in Columbia County, 36 inches in Standfordville in Dutchess County and 15.5 inches in Kingston in Ulster County.

NYZ033-039>043-047>054-058>061-063>066 Hamilton - Fulton - Montgomery - Northern Saratoga - Warren - Washington - Schoharie - Western Schenectady - Eastern Schenectady - Southern Saratoga - Western Albany - Eastern Albany - Western Rensselaer - Eastern Rensselaer - Western Greene - Eastern Greene - Western Columbia - Eastern Columbia - Western Ulster - Eastern Ulster - Western Dutchess - Eastern Dutchess

12 1200EST 13 0300EST 0 0

**Heavy Snow** 

A winter storm formed off the coast of North Carolina on January 12th and moved northeast along the coast through January 13th. Heavy snow fell across much of eastern New York except for the central Mohawk Valley Region. Snowfall totals ranged from 6 to 10 inches with a few locations reporting up to a foot. Some specific snowfall totals included 11 inches at the Albany County Airport, 6 inches in Rhinebeck in Dutchess County, 12 inches in Troy in Rensselaer County and 12 inches in Cobleskill in Schoharie County.

NYZ032>033-038>043-047>054-058>061-063>066 Northern Herkimer - Hamilton - Southern Herkimer - Fulton - Montgomery - Northern Saratoga - Warren - Washington - Schoharie - Western Schenectady - Eastern Schenectady - Southern Saratoga - Western Albany - Eastern Albany - Western Rensselaer - Eastern Rensselaer - Western Greene - Eastern Greene - Western Columbia - Eastern Columbia - Western Ulster - Western Dutchess - Eastern Dutchess

19 0800EST

0 120K

**High Wind** 

An intense area of low pressure located over the Mid-Atlantic Region on Friday morning January 19th produced damaging winds across all of eastern New York. This storm was associated with a strong southerly flow which resulted in scattered reports of downed trees, limbs and power lines.

NYZ058>059

Western Greene - Eastern Greene

19 0900EST 21 1800EST 0 0 10M

Flood

An intense area of low pressure which was located over the Mid-Atlantic region on Friday morning January 19th produced unseasonably warm temperatures, high dewpoints and strong winds. This resulted in rapid melting of one to three feet of snow. In addition to the rapid snowmelt one to three inches of rain fell as the system moved northeast along the coast. This resulted in widespread flooding across Greene County. Federal Disaster Assistance was made available by presidential declaration. Small streams flooded across the entire county which resulted in many roads being washed out. Extensive flooding also occurred along the Hudson River and Schoharie Creek. In Athens, Coxsackie and New Baltimore flooding resulted in damage to their sewer

		Time Local/	Path Length	Path Width		ber of sons	Estim Dam			January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	

### NEW YORK, East

treatment plants. In Prattsville severe damage was done to their water system. Flooding along the Hudson River damaged several marinas and parks including Riverside Park in Coxsackie, Athens Riverfront Park and the marina section of New Baltimore. Some of the most severe flooding occurred in Palenville, Athens, Windham and Lexington. Residents in Palenville were evacuated due to the flooding of Kaaterskill Creek. Several people in Athens, Coxsackie and New Baltimore were evacuated by boat due to the flooding Hudson River. In the mountainous terrain of Greene County road washouts were more numerous. In the Town of Durham 80% of the roads suffered damage with 6 roads totally ripped apart. State routes which were severly damaged included routes 42, 214, 296, 32 and 81.

#### NYZ063>064

Western Ulster - Eastern Ulster

19 1100EST 21 1800EST 0 0 10M

Flood

An intense area of low pressure which was located over the Mid-Atlantic region on Friday morning January 19th produced unseasonably warm temperatures, high dewpoints and strong winds. This resulted in rapid melting of one to three feet of snow. In addition to the rapid snowmelt one to three inches of rain fell as the system moved northeast along the coast. This resulted in widespread flooding across Ulster County. Federal Disaster Assistance was made available by presidential declaration. Small streams flooded across the entire county which resulted in many roads being washed out. Extensive flooding also occurred along the Hudson River and Esopus Creek. In the mountainous terrain of Ulster County road washouts were more numerous. In the Town of Shandaken five town roads were destroyed and several homes were damaged. In the Town of Hardenburg three quarters of the roads were washed out. In New Paltz homes were flooded near the wetlands along route 299 due to the Wallkill Creek. Flooding also occurred in the Towns of Denning, Olive, Woodstock, Saugerties and Kingston. Evacuations occurred in the Phoenicia-Shandaken area and in the Town of Kingston.

#### NYZ065>066

Western Dutchess - Eastern Dutchess

19 1100EST 21 1800EST 0 7M

Flood

An intense area of low pressure which was located over the Mid-Atlantic region on Friday morning January 19th produced unseasonably warm temperatures, high dewpoints and strong winds. This resulted in rapid melting of one to three feet of snow. In addition to the rapid snowmelt one to three inches of rain fell as the system moved northeast along the coast. This resulted in widespread flooding across Dutchess County. Federal Disaster Assistance was made available by presidential declaration. Small streams flooded across the entire county which resulted in many roads being washed out. Extensive flooding also occurred along the Hudson River and Wappingers Creek. In the higher terrain of eastern Dutchess County road washouts were more numerous. In the Town of Pawling 50% of town roads were washed out. In the Towns of Northeast and Amenia widespread and severe damage also occurred to local roads. Taconic State Parkway in northern Dutchess County was closed Friday night January 19th due to flooding. Fishkill and Wappingers Falls were some of the hardest hit areas. Wappingers Creek in Wappingers Falls crested 2 feet over flood stage. In the City of Poughkeepsie a water contamination warning was issued due to the flooding Hudson River.

#### NYZ053>054

#### Western Rensselaer - Eastern Rensselaer

19 1130EST

0 6M

Flood

An intense area of low pressure which was located over the Mid-Atlantic region on Friday morning January 19th produced unseasonably warm temperatures, high dewpoints and strong winds. This resulted in rapid melting of one to three feet of snow. In addition to the rapid snowmelt one to three inches of rain fell as the system moved northeast along the coast. This resulted in widespread flooding across Rensselaer County. Federal Disaster Assistance was made available by presidential declaration. Small streams flooded across the entire county which resulted in several road washouts. Extensive flooding also occurred along the Hudson and Hoosic Rivers. The hardest hit areas within the county were East Greenbush and the Cities of Troy and Rensselaer. In the City of Troy extensive damage occurred along the Hudson River where fifteen businesses were flooded. Some of the businesses included Troy Brew Pub, Castaway Grille, City Hall, Taylor Apartments and a submerged mobile home park in Lansingburgh. Severe damage also occurred to the city marina and Riverfront Park. At Leonard Hospital located in Lansingburgh, 50 patients were evacuated due to basement flooding. In Castleton several residents were evacuated and route 9J near Castleton was closed due to flooding.

#### NYZ051>052

#### Western Albany - Eastern Albany

1200EST

0

**Excessive Heat** 

A strong southerly wind on the 19th of January brought record warmth to parts of eastern New York. In Albany a new record high of 60 degrees was reached during the afternoon hours. This broke the old record high which was 59 degrees set back in 1949.

### NYZ047

### Schoharie

19 1300EST 20 1800EST 2 0 12M

Flood

An intense area of low pressure which was located over the Mid-Atlantic region on Friday morning January 19th produced unseasonably warm temperatures, high dewpoints and strong winds. This resulted in rapid melting of one to three feet of snow. In addition to the rapid snowmelt one to three inches of rain fell as the system moved northeast along the coast. This resulted in widespread flooding across Schoharie County and a record breaking flood on the Schoharie Creek. Federal Disaster Assistance was made available by presidential declaration. Village of Schoharie and Middleburgh saw the most severe flooding. Along the Schoharie Creek 55 single homes were destroyed, 125 suffered major damage, 316 suffered minor damage, 6 mobile homes were destroyed, 111 cattle were drowned and 375 acres of farmland was damaged. Two Village of Schoharie residents died due to exposure when fast rising waters trapped them in their home. At Priddle Camp near Esperance 15 homes were destroyed and 10 suffered major damage. Many roads were washed out across the county with 8.5 million dollars of damage incurred to county roads and bridges. Heavy damage occurred in the following places Stryker Road in the Town of Gilboa, Junction Road and bridge in Esperance, state route 900v and bridge at Gilboa, Sholtes and Schoonmaker bridges in Wright, River Street and route 30 in Middleburgh and route 7 over Schoharie Creek. In Middleburgh the downtown area was evacuated and in Schoharie several businesses were flooded including the Harva Company, The Printers and Great American.

M72PH, M49PH

		Time Local/	Path Length	Path Width		ber of sons	Estin Dan	nated nage		January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	
NEW YORK, East										
NYZ041-050		Saratoga - Sou	ithern Sarat	toga						
	19 20	1320EST 2100EST			0	0	10M		Flood	
			w pressure	which was le	ocated ove	r the Mic	d-Atlantic r	region on	Friday morning Janua	ary 19th produced
									d melting of one to thre	
									rtheast along the coast	
	-	_			_		-		and Hudson Rivers.	
				•					the entire county with	•
		-							terford the flooding of Many businesses along	
						_		_	worth of women's clo	
		-	-						ville, routes 4 and 32	•
									s washed out where it	
	Kill. T	he flooding inu	ndated 250 h	omes and bu	sinesses an	d over tw	enty roads v	were close	d throughout the count	y.
Hamilton County	40	4.2.4.ETGT					<b>-1</b> 7			
Inlet	19 Severe	1345EST thunderstorms	during the af	ternoon of the	0 e 19th dow	0 ned trees	5K	in Hamilt	Thunderstorm V	Wind
Hamilton County	Severe	ululiderstorilis	during the ar	ternoon or the	e 19tii dow	neu nees	acioss inici	III I Iaiiiii	on County.	
Indian Lake	19	1345EST			0	0	5K		Thunderstorm V	Wind
			during the aft	ternoon of the				ın Lake in	Hamilton County.	
Schoharie County										
Countywide	19	1345EST			0	. 0	10K		Thunderstorm V	Wind
		thunderstorms	U	ternoon of the	e 19th dow	ned many	trees acros	s Schohar	ie County.	
NYZ051>052	Western A	Albany - Easte 1400EST	rn Albany		0	0	4M		Flood	
	21	1800EST			U	U	4M		rioou	
	washed the Tov Norma incurred Hudsor	l out. Most roa wn of Renssela ns Kill Bridge o d one million o n River, Villago	d washouts of the derville over on Krumkill led dollars worthe One Aparts	seventy mile Road was wa of damage ments in Me	ne rural area es of roads ashed out. due to twe nands was	as includi were clo Along th nty dock flooded	ng the Townsed or had the Hudson Res being swortes in the second of the	ns of Ren limited p liver, Coey ept away the evac	ounty which resulted in sselaerville, Westerlo a assage. In the Town ymans Landing and Ma and fifty boats flooded uation of 300 resident	and Coeymans. In of New Scotland arina in Coeyman d. Also along the service by firetruck and the service are services.
						0 1		ntown Al	bany including the en	trance to Cornin
NYZ040	Montgom	e. Severe flood	ing also occi	urred along v	rly Creek ii	i voornee	esville.			
N 1 ZU4U	Montgom 19	1400EST			0	0	4M		Flood	
	20	2100EST								
									Friday morning Janua	
		•	-			_			d melting of one to thre rtheast along the coast	
									k River and Schohari	
	-	_	_	•	•	_	-		spread along the Scho	
	Towns	of Florida and	Glen. In the	Town of Flor	rida eight fa	milies w	ere evacuate	ed. Mill P	oint Bridge which com	nects the Towns
					•	_		-	ne Village of Fort Hunt	
	_	-	-				•		g the riverfront. Rout	
		flooded many h		-					Fonda. In St. Johnsvil	ie tile Zillillerilla
NYZ048>049		Schenectady - 1			i nomes we	re evacae	ited in Di 30	imsvine.		
	19	1400EST			1	0	6M		Flood	
	20	2100EST	w precure	which wee l	ocated over	r the Mi	Atlantic r	egion on	Friday morning Janua	ury 10th produce
			-					-	d melting of one to thre	•
		•	-			_			rtheast along the coast	
	-	-		•	•	-	_		k River and Schohari	
									ed across the entire cou	•
		•	_		_		-	•	e Stockade region of S	•
		•							de in which mud and pville Road in Duanes	
					-		-		d Mohawk River	M42OII

19 1415EST 0 0 5K Thunderstorm Wind Severe thunderstorms during the afternoon of the 19th downed trees in the Town of Root in Montgomery County.

damaged and Rosendale Road in Niskayuna was damaged by ice moving down the flooded Mohawk River.

**Montgomery County** 

**Town Of Root** 

		Time Local/	Path Length	Path Width	Number Person		Estimated Damage	January 1996
ocation	Date	Standard	(Miles)	(Yards)		njured	Property Cro	ps Character of Storm
NEW YORK, East								
Montgomery County St Johnsville	19	1425EST			0	0	5K	Thunderstorm Wind
		nunderstorms d	uring the aft	ternoon of the	19th downed	d trees in	St. Johnsville in	n Montgomery County.
NYZ039	Fulton	1 <i>445</i> FCT			0	0	2001/	Flood
	19 20	1445EST 0200EST			0	0	200K	Flood
	unseason	ably warm ten f rain as the sys	peratures, h	nigh dewpoint	s and strong	winds.	This resulted in s	on Friday morning January 19th produced significant snowmelt along with one to three boded across Fulton County and a few homes
Albany County								
Countywide	19 Severe th	1500EST nunderstorms d	uring the aft	ternoon of the	19th downer	0 d many t	15K rees across Alba	Thunderstorm Wind ny County.
<b>Ulster County</b>								
Countywide	19	1500EST			0	0	10K	Thunderstorm Wind
~ . ~	Severe th	nunderstorms o	n the afterno	oon of the 19t	h downed tre	es across	s parts of Ulster	County.
Saratoga County Milton	19	1505EST			0	0	5K	Thunderstorm Wind
MIIIOH			uring the aft	ternoon of the	19th downed	-	Milton in Sarate	
Schenectady County	Severe u	idiideistoiiiis d	aring the un		17111 40 11110	4 4 6 6 6 11		oga county.
Schenectady	19	1505EST			0	0	10K	Thunderstorm Wind
	Severe th	nunderstorms d	uring the aft	ternoon of the	19th downed	d trees, li	imbs and power	lines across the City of Schenectady.
Greene County Surprise	19	1515EST			0	0	2K	Thunderstorm Wind
Sui prisc			uring the aft	ternoon of the	19th downed	d large li		in Greene County.
NYZ042	Warren		C			Č		•
	19 20	1540EST 0200EST			0	0	3M	Flood
	addition flooding declaration closed the Routes 9	to the rapid snoof many smal on. In Lake C croughout the co	owmelt one l streams and secorge Villa ounty due to blosed from	to three inched rivers with the ge widespread flooding includes Lake George	es of rain fell nin the count of flooding of luding 16 count north. Route	l as the s ty. Fede occurred anty road	system moved no eral Disaster Ass and seven famil ls. Significant da	apid melting of one to three feet of snow. In ortheast along the coast. This resulted in the sistance was made available by presidential ties had to be evacuated. Many roads were amage was also incurred to many state roads. Hudson River Bridge and along route 8 a 150
NYZ032-038		Ierkimer - Sou						
	19 20	1600EST 2100EST			0	0	<b>4M</b>	Flood
	unseason addition widespre made ava be evacu the Moh damage of Fulmer C	to the rapid sr to the rapid sr and flooding ac ailable by presi ated as the Mo awk River was occurred includence.	aperatures, howmelt one ross Herkin dential decla hawk River s also seven ling damage its banks.	high dewpoint to three includer County in aration. Some and Fulmer (elly flooded well paper mach Other routes i	s and strong thes of rain for acluding the late of the most Creek flooder with several hines at the En the county	winds. The sell as the Mohawk severe find. Many nomes do Burrows that wer	Fhis resulted in r. e system moved a River and Fuln looding occurred a roads were also estroyed. In Lit Paper Corp In e closed due to f	on Friday morning January 19th produced apid melting of one to three feet of snow. In northeast along the coast. This resulted ir ner Creek. Federal Disaster Assistance was a in the German Flats were 100 people had to washed out in this area. River Road along the Falls over 1.25 million dollars worth of Mohawk flooding was also extensive as the flooding included route 5 from Little Falls to 120 in the Town of West Windfield.
NYZ033	Hamilton	مرد			_	_	2027	
	19 20 An inten	1600EST 0200EST	v pressure v	which was lo	0 ocated over t	0 he Mid-	200K	Flood on Friday morning January 19th produced
	significa		ong with or	ne to three inc				oding of many small streams throughout the
NYZ060>061		olumbia - East	ern Colum	bia	•	Δ	43.4	T J
	19 21	1600EST 1800EST			0	0	<b>4M</b>	Flood
	An inten unseason addition widespre streams f	ase area of low hably warm ten to the rapid sr had flooding ac flooded across	peratures, howmelt one coss Columb the entire co	nigh dewpoint to three inclosia County. Founty which re	s and strong hes of rain for Federal Disas esulted in ma	winds. The control of	This resulted in ree system moved stance was made washouts. The	on Friday morning January 19th produced apid melting of one to three feet of snow. In northeast along the coast. This resulted in available by presidential declaration. Small most significant flooding occurred along the leavy damage occurred to town roads in the

Towns of Hillsdale, Austerlitz and Canaan. In the Town of Stuyvesant 12 families were evacuated due to the flooding Hudson River. The sewer plant in the Town of Greenport was damaged. In the city of Hudson heavy damage was incurred to the boat

		Time	Path	Path	Number o	of	Estimated		January 1996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed Inj	ured	Damage Property Crops	Character of Storm	•
NEW YORK, East							1 7 1		
			rice from All	oany to Poug	hkeepsie was s	topped o	due to ice on the	tracks from the Hudso	n River.
NYZ043	Washington 19	1600EST			0	0	1.5M	Flood	
	20	0200EST			U	U	1.5111	Flood	
								n Friday morning Jan	
								pid melting of one to the	
								northeast along the co than 30 roads were hea	
			•		•	_		anty route 16 in Fort A	
		•	•			-		nbridge were flooded	
	residents River.	were evacuate	ed. Also two	o large secti	ons of the Batt	enkill R	ailroad were dar	naged as the tracks sli	d into the Battenkill
NYZ064	Eastern Uls	ter							
112001	24	1630EST			0	0	40K	Flood	
	A low pr	1900EST	which track	ad across th	a northarn Gra	at Laka	on the 24th of	January produced add	ition rain across the
	-	•						n River created flooding	
			-		-	-	River in Kingston		8 8
Herkimer County							4077		
Dolgeville	24	1630EST 2300EST			0	0	10K	Flash Flood	
		on the East C	Canada Creel	k caused flo	oding especial	ly in th	e village of Dol	geville where streets	and basements were
NYZ064	flooded.  Eastern Uls	4 o m							
N 1 Z004	25	0500EST			0	0	20K	Flood	
	E1 1'	0700EST	d 10 1	. 6 11 .	E11 '''	1.4	II I D'	11 4 77 1 7	) ' IZ' .
	_		_		•			and along the Hudson I to runoff and high tide	-
	River.	na street betw	cen the mus	cum and Oi	n bucci. The	Hooding	5 occurred due t	o runon and mgn da	a along the Hudson
NYZ032>033-038>043-								ern Saratoga - Warre	
047>054-058>061-			-		-		-	ern Albany - Eastern	
063>066					tern Dutchess		western Colum	ıbia - Eastern Colum	na - western
	27	0700EST			0	0	260K	High Wind	
	A strong	2100EST low pressure	system deve	loped over t	he Great Plain	s on Fri	day January 26tl	n and tracked northeas	t to the upper Great
								astern New York from	
								wer lines across the a	
			•				•	saw some of the wors f a gas station in Gre	-
			•		•			choharie County a tre	•
	Cobleskil	l and in Herki	mer County a	a wind gust t	o 61 knots was	reported	d in the Town of	Litchfield.	
NYZ058>059		eene - Easter	n Greene		0	0	20077	T21 1	
	27 28	1135EST 1000EST			0	0	300K	Flood	
	A low pro	essure system			-	_		two inches across eas	
	•							already saturated soil	
				•				Schoharie Creek also f ngton, route 32A and F	
	U				n the village of			-8,	
NYZ063>064		ster - Eastern	Ulster						
	27 28	1230EST 0100EST			0	0	400K	Flood	
			over the upp	er Great Lal	es produced a	general	rainfall of one to	two inches across eas	stern New York with
								already saturated soil	
								and Esopus Creek al een Phoenicia and Mo	
	•							were washed out acros	
	Towns of	Shandaken an	ıd Hardenbuı	gh declared	a local state of	emergei	ncy.		
NYZ047	Schoharie 27	1000000			•	0	10017	Flo-J	
	27 28	1800EST 1000EST			0	0	100K	Flood	
	_	essure system			-	-		two inches across eas	
	up to thre Schoharie		parts of the	Catskills.	This amount of	rainfall	on already satur	rated soil caused mino	r flooding along the
NYZ048	Western Sch								
	27	1800EST			0	0	70K	Flood	

A low pressure system over the upper Great Lakes produced a general rainfall of one to two inches across eastern New York with

		Time Local/	Path Length	Path Width		ber of sons		Estimated Damage	1	January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injur	ed P		Crops Character of Storm	
NEW YORK, East	4- 41			7-4-1-111-	Th:	- c	:£-11 -	1		£1 - 41 1 41
	up to the Schoharic		arts of the C	_atskiiis.	inis amount	or ra	iniaii o	n aiready s	saturated soil caused minor	r mooding along the
NYZ040	Montgomer									
	27	1800EST			0		0	50K	Flood	
	28 A low pr	1000EST	over the unr	er Great I	akes produce	ed a oa	eneral r	ainfall of o	ne to two inches across eas	tern New York with
									saturated soil caused minor	
	Schohari	e Creek.						·		
NEW YORK, North							_			
NYZ026>031-034>035		t. Lawrence - 'estern Essex -			Northeast C	linton	- Sout	hern St. La	awrence - Southern Frank	klin - Southwest
	03	0600EST	- Lastern L	SSCA	0		0	65K	Winter Storm	
	A -4	2100EST	41 <b>N</b> 17. 4 - A 41		т	-l-+ /1/	2/06):	:c: . 1 -		11 C
									and moved northeast and p www.wednesday.morning.into	
		ations were ge sex Countyw	-						wrence, Franklin and Clint k.	on. Heavier amounts
	Numerou	s minor autom	obile accide	nts were re	eported. Powe	er outa	iges we	re widespre	ead in Essex County.	
NYZ026	Northern S				•				•	
	07	0000EST 2359EST			0		0		Record Temp	erature
	Record lo	ow temperature	e of minus 2'	7 at Masse	na NY on Jai	nuary 7	7, 1996	_		
NYZ026>031-034>035		-				•			awrence - Southern Frank	klin - Southwest
		estern Essex	- Eastern E	ssex				4077	****	
	12 13	1500EST 0300EST			0		0	40K	Winter Storm	
	A storm		stern Kentu	cky Friday	morning (1/	(12/96)	reform	ned along th	he North Carolina coast an	d moved to the New
NYZ026	Northern S		ile accidents	were repo						
	18	0000EST 2359EST			0		0		Record Temp	erature
	Record h	igh temperatur	e of 61 set a	t Massena	NY on Janua	ary 18,	1996.			
NYZ026	Northern S									
	19	0000EST gh temperature	of 66 cat at	Maccana	O NV on Ianua	es: 10	1006		Record Temp	erature
NYZ026>031-034>035								hern St. L.	awrence - Southern Frank	klin - Southwest
1(12020) 001 001/000		estern Essex			ror theast C		5041		awrence goudiern runn	Southwest
	19	0900EST 1800EST			0		0	6.5M	Flood	
	circulatio	storm system							into Canada Friday (1/19/ , strong winds and floodin	
		er of roads we	re washed o	out and clo	osed. Essex a	and Cl	inton c	ounties we	re the hardest hit. Numero	ous reports of power
	flooding	-	ead with ro	ads wash	• .		•		along the Great Chazy Riv Flooding was also report	•
	Clinton a	nd Essex coun	ties reported	damage to	a number of	f house	es and t	railer parks	i.	
NYZ026>031-034>035	Northern S	t. Lawrence -	Northern F	ranklin -	Northeast C	linton	- Sout	hern St. La	awrence - Southern Fran	klin - Southwest
	Clinton - W	estern Essex								
	27	1000EST 1600EST			0		0	600K	Flood	
		system develo							nd moved to the central G AM (1/27/96) but changed t	
	morning	(1/2//90) then	iiito Canada	. Light sho	w spreau acr	oss uic	regioi	i aiouiiu 3 P	AW (1/27/90) but changed t	o rain around dawn

Winds became strong and gusty (30 to 50 mph and gusty) between 5 AM and 5 PM (1/27/96). There were numerous reports of trees down, power outages and some minor flooding.

f a cation	Data	Time Local/	Path Length	Path Width	Number of Persons		Estimated Damage	CI CO	January 199
NEW YORK, North	Date	Standard	(Miles)	(Yards)	Killed In	jured	Property Crop	s Character of Storm	l
NEW TORK, NORUI	lawrence	county), Mas	sena at 1135	AM (St Law	rence County	), Malon		g locations; Norwood I o hotel at 12 noon (Fra Clinton County)	
NEW YORK, West	damage	o nungurs ut L	ake I lacid / I	iipoit (Essex	. County) and i	oor dan	inge in Mooers (C	emiton County).	
NYZ001	reported		12 inches fel	l in Lockpor		-		Winter Storm of snow fell across th inter road conditions w	e area. Youngstow
NYZ002								Winter Storm snow fell across the a some with injuries.	
NYZ010	Erie 03 A major 16 inches	0800EST winter storm be s while at the	orought heavy Buffalo airpo	snowfall to	the area. In go	0 eneral 10 osings v	<b>200K</b> 0-15 inches of sno	Winter Storm ow fell across the area. there were numerous	Springville reporte
NYZ011	Genesee 03 A major	<b>0800EST</b> winter storm b l in Batavia. S	orought heavy	snowfall to	0 the area. In ge	0 eneral 12	<b>100K</b> 2-20 inches of sno	Winter Storm ow fell across the area amed for many automo	with 18 inches bein
NYZ012					_			Winter Storm ow fell across the area. y automobile accidents,	Warsaw reported 1
NYZ013	Livingston 03 A major 14 inches	0800EST winter storm b	rought heavy	snowfall to	<b>0</b> the area. In ge	0 neral 10	<b>150K</b> -15 inches of sno	Winter Storm ow fell across the area. I are blamed for many a	Portageville reporte
NYZ014	Ontario 03 A major	0800EST winter storm	-	•		-	100K 12-18 inches of obile accidents.	Winter Storm snow fell across the a	
NYZ019	Chautauqu 03 A major	a 0800EST winter storm	brought heav	y snowfall t	0 to the area. In	0 general	<b>150K</b> 10-15 inches of	Winter Storm snow fell across the a for many automobile a	rea. At Sherman 1
NYZ020	Cattaraugu 03 A major inches w	0800EST winter storm b	d at Olean 1	0 inches fell				Winter Storm now fell across the area nter road conditions w	
NYZ021		ere recorded. S	-	•		-		Winter Storm snow fell across the are amed for many automo	ea. At Wellsville, 1
NYZ003	amounts inches fe	of 18-24 inchell and at Web	es to the Roc ster the snow	hester metro totalled 18	area. A 24 ho inches. School	ur snow	fall record was so gs were the rule	Winter Storm rio due to northeast wir et at the Rochester airp and there were numer nobile accidents, some	nds brought snowfa ort. At Rochester 2 ous delays in airlin
NYZ004	Wayne 04 A major	0800EST winter storm b	prought heavy	y snowfall to	0 the area. In g	0 eneral 1	200K	Winter Storm now fell. School closing	
NYZ005	Northern C 04 A major	Cayuga 0800EST winter storm	brought heav	vy snowfall	<b>0</b> to the area. Ir	0 genera	<b>100K</b> 1 16 to 24 inche	Winter Storm s of snow fell across the	he area. Fair Have

		Time Local/	Path Length	Path Width	Number of Persons		Estimated Damage	January 1996
ocation	Date	Standard	Length (Miles)	(Yards)		jured	Property Crops	Character of Storm
NEW YORK, West								
NYZ006	Oswego	OOODECT			0	0	15017	VV:
	04 A major	0800EST winter storm b	rought heav	v snowfall to	the area. In or	0 eneral 1	150K 6-24 inches of snow	Winter Storm v fell across the area. Oswego received 21
								med for many automobile accidents, some
	with inju	ıries.						•
NYZ007	Jefferson	00000000				•	10077	****
	04 A maior	0800EST winter storm 1	nrought heav	vv snowfall i	0 o the area In	0 genera	100K al 12-20 inches of s	Winter Storm now fell across the area. School closings
			_	•		_	nobile accidents.	now reir across the area. School closings
NYZ008	Lewis					•		
	. 04	0800EST	1.1	C 11 .	0	0	100K	Winter Storm
								fell across the area. Lowville reported 16 automobile accidents, some with injuries.
Erie County	menes. c	senoor crosnigs	were the rul	ic. The white	Touc condition	ns wer	e claimed for many t	attomobile decidents, some with injuries.
West Seneca	18	0430EST			0	0	1M 500F	
								or ice jam on the Buffalo Creek in West
								Roads. Evacuations occurred and several shed out an entire strawberry farm.
Erie County	roads we	ere crosed due t	o the flood v	vaters in vve.	ot Believa and I	Dillia. I	ine flood waters was	siled out an entire strawberry raini.
Buffalo	18	0745EST			0	0	200K	Flash Flood
								e jam on the Cazenovia Creek in Buffalo
		st Seneca. Some nd ice spilled ir			a severai road	s were	closed. Damage was	s limited however, since most of the flood
NYZ021	Allegany	na ice spinea n	no Cuzenov	ia i aik.				
1(12)	19	0800EST			0	0	1M	Flood
	22 Panid er	0800EST	fact of enou	y combined t	vith heavy rais	nfall of	over two inches to	produce significant flooding. Nearly four
								ions in Wellsville. Power and municipal
		pplies were cut						r
NYZ010	Erie							
	19 22	0900EST 0800EST			0	0	500K	Flood
			12 inches	of snow com	bined with hea	avy rair	nfall of about an inc	ch to produce significant flooding. Nearly
	two hund	dred homes wer	re damaged	by flood wate	ers.			
NYZ020	Cattaraugi				0	•	2.534	
	19 22	1000EST 0800EST			0	0	2.5M	Flood
								produce significant flooding. Nearly three
					The Allegheny	River	caused major floodi	ng and forced the evacuation of scores of
NYZ013	people ii  Livingston	rom their home	s in Portville	ē.				
N12013	Livingston 19	1500EST			0	0	400K	Flood
	22	0800EST						
NIS77014	_ · ·	nowmelt of 1-2	feet of snow	combined w	ith heavy rain	tall of a	bout an inch to proc	luce significant flooding.
NYZ014	Ontario 19	1600EST			0	0	2.2M	Flood
	22	0800EST						
NIX/7010	-	nowmelt of 1-2	feet of snow	combined w	ith heavy rain	fall of a	bout an inch to proc	luce significant flooding.
NYZ012	Wyoming 19	1800EST			0	0	150K	Flood
	22	0800EST						
								icant flooding. Nearly 100 homes were
NYZ011	Genesee	1 by the 1100d w	aters. The C	jenesee Kive	r overnowed i	ts banks	s and evacuations of	ccurred in Portageville.
NIZUII	19	1900EST			0	0	20K	Flood
	22	0800EST			1 11 1			, a. P
NIV/7007		nowmelt of abou	it a foot of s	now combine	ed with heavy	rainfall	to produce significa	ant flooding.
NYZ007	Jefferson 19	2000EST			0	0	1M	Flood
	22	0800EST						
	-		to three fee	et of snow co	mbined with h	neavy ra	ainfall to produce si	gnificant flooding on area creeks and the
NYZ008	Black Ri <b>Lewis</b>	ivel.						
.,12000	19	2100EST			0	0	220K	Flood
	22	0800EST	- 40 4k C	ot of	ombin - 4'd	. ha		significant flooding 1
	-	nowmelt of two and the Black F		et of snow o	combined with	ı neavy	rainian to produce	e significant flooding on area creeks and

		Time Local/	Path Length	Path Width	Number o Persons	f	Estimated Damage		January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed Inj	ured 1	Property Crops	Character of Storm	
NEW YORK, West									
NYZ008	Lewis	221 FEGE			0	•	FIZ	<b>II</b> G	
	19 A cold w	2315EST esterly flow a	cross Lake C	Intario set ur	0 following the	0 nassage	<b>5K</b> of a strong cold fro	Heavy Snow ont. Rain turned to slee	t and snow then a
		•			snow fell in Hi		_	in. Ruin turned to siec	t and show then a
NYZ007	Jefferson								
	20	0100EST	omo sa I alza C	Amenia aat suu	0	0	5K	Heavy Snow ont. Rain turned to slee	t and anary than a
		•			fell in Adams.	passage	of a strong cold fre	int. Rain turned to siec	t and snow then a
NYZ006	Oswego	1	-r						
	20	0120EST			0	0	10K	Heavy Snow	
							of a strong cold fro	nt. Rain turned to slee	t and snow then a
NYZ010	Erie	rt squaii devei	oped. Ten in	cnes of snow	fell in Redfield	1.			
NIZUIU	25	0700EST			0	0	5K	Heavy Snow	
		ed, very narro					f the Buffalo metro	area in the night of t	he 24th-25th. The
		•	bout five mi	les wide, dro	pped six inches	in Keni	more and Marilla.		
NYZ020	Cattaraugu 27	s 0430EST			0	0	10K	High Wind	
			r the upper C	Great Lakes 1	-	winds to		High Wind winds downed trees a	and power lines in
	Little Val		TI						<u>.</u>
NYZ021	Allegany								
	27	0800EST	the	Tunnet I alson l	0	0 winda ta	15K	High Wind winds downed trees a	and marrian lines in
	Rushford		r the upper C	reat Lakes	brought strong	winds to	the area. The high	winds downed trees a	ind power lines in
NYZ002	Orleans	•							
1(12002	27	1000EST			0	0	10K	High Wind	
	-	pressure ove	r the upper G	reat Lakes b	rought strong w	inds to	the area. The high v	vinds downed trees and	d power lines.
NYZ003	Monroe	1000ECT			0	0	1 <i>5V</i>	TT: _1, XX/: J	
	27 Deep low	1000EST	r the upper (	Great Lakes l	•	-	15K the area. The high	High Wind winds downed trees a	and power lines in
	Mendon.	pressure ove	r tile upper c	Jieur Zunes .	orought strong	Willias to	, are area. The ing.	winds do whed dees t	and power miles in
NYZ013	Livingston								
	27	1000EST	41 (	S 1 -1 1	0	0	15K	High Wind	
	Deep low Dansville		r the upper C	reat Lakes	brought strong	winds to	the area. The high	winds downed trees a	ind power lines in
NYZ001	Niagara	•							
	27	1018EST			0	3	45K	High Wind	
								gh winds downed tree	
		e county. In V ned by a fallin		her and her t	wo young child	iren wer	e seriously injured	when the car in which	they were driving
NYZ010	Erie	ica by a raiiii	g ucc.						
1,12010	27	1030EST			0	0	15K	High Wind (G52	2)
		* .						gh winds downed tree	s and power lines
NIX/2011	-	ut the county.	At the Buffa	lo Coast Gua	ard, a gust of 60	mph wa	as recorded.		
NYZ011	Genesee 27	1030EST			0	0	10 <b>K</b>	High Wind	
			r the upper G	reat Lakes b	rought strong w			vinds downed trees and	d power lines.
NYZ012	Wyoming								
	27	1100EST	4 0		0	. 1	15K	High Wind	1 1'
NV7014	Ontario	pressure ove	r tne upper G	reat Lakes b	rought strong w	inas to	tne area. The high v	vinds downed trees and	1 power lines.
NYZ014	27	1130EST			0	0	25K	High Wind	
			r the upper C	Great Lakes b	orought strong	winds to		winds downed trees a	nd power lines. In
	Bristol, 9	00 were with	out power for	much of the	afternoon.				
NYZ004	Wayne	1200ECE			0	0	1517	TT' 1 XX/' 1	
	27 Deen low	1200EST	r the upper G	reat Lakes b	0 rought strong w	0 zinds to 1	15K the area. The high v	High Wind vinds downed trees and	l power lines
NYZ005	Northern C	•	t the upper o	reat Lakes o	rought strong w	inds to	the area. The high v	vinds downed trees and	i power inies.
1(12000	27	1230EST			0	0	15K	High Wind	
	Doon lov	1320EST	r the unner (	Grant Laksas 1	rought strops	winds to	the area. The bick	winds downed trees	and nower lines in
	Fair Have	-	a die upper C	neat Lakes I	orought strong	winds to	o me area. The mgn	winds downed trees a	ma power mies in
NYZ007	Jefferson	. •							
	27	1730EST			0	0	20K	High Wind	
	-	-	r the upper C	Great Lakes l	brought strong	winds to	the area. The high	winds downed trees a	and power lines in
	Watertow	n.							

		Time Local/	Path Length	Path Width	Numbe Person	ns	Estima Dama	ated age		January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	
NEW YORK, West										
NYZ006	Oswego	0.500								
	28	0500EST	of cold oir o	aross I also O	0 Interio produ	0 and a lak	5K	wy canall	<b>Heavy Snow</b> Seven inches of snow	fall in Dadfiald
NYZ007	Jefferson	iorinwest flow	or cold air a	cross Lake C	mario produc	ced a lak	e effect sho	w squaii.	Seven inches of show	ien in Redneid.
N12007	28	0500EST			0	0	5K		Heavy Snow	
			of cold air a	cross Lake C	ntario produ			w squall.	Fifteen inches of snow	fell in Montague
		oint, the snow						•		
NYZ008	Lewis									
	28	0700EST			0	0	5K		Heavy Snow	
		northwest flow	of cold air a	cross Lake C	ntario produ	ced a lak	e effect sno	w squall.	Eight inches of snow f	ell in Rodman.
NYZ007	Jefferson								~	
	30	1630EST	u of cold sig	I alre	Ontonio mu	0	5K	t	Heavy Snow	saa fall aanaaa th
		portion of the		across Lake	e Omario pro	oduced a	iake effec	t snow so	quall. Six to eight incl	ies ien across in
NYZ008	Lewis	portion of the	county.							
N 1 Z000	30	1730EST			0	0	5K		Heavy Snow	
			of cold air a	cross Lake C				w squall.	Seven inches of snow	fell at Montague.
NYZ006	Oswego				•			•		
	31	0720EST			0	0	5K		Heavy Snow	
	A brisk r	northwest flow	of cold air a	cross Lake C	ntario produ	ce a lake	effect snov	v squall. I	Fourteen inches of snov	v fell in Redfield.
NORTH CAROLINA	A, Central									
NCZ007	Person									
	06 07	1200EST 2000EST			0	0			Heavy Snow	
NCZ008	Granville 06	1200EST			0	0			Heavy Snow	
	00	2000EST			U	U			Heavy Show	
NCZ009	Vance									
	06	1200EST			0	0			<b>Heavy Snow</b>	
	07	2000EST								
NCZ021	Forsyth	1200ECE			0	0			<b>TT</b> G	
	06 07	1200EST 2000EST			0	0			Heavy Snow	
NCZ022	Guilford									
	06	1200EST			0	0			Heavy Snow	
		2000EST							·	
NCZ024	Orange	1200505							** G	
	06 07	1200EST 2000EST			0	0			Heavy Snow	
NCZ038	Davidson	2000151								
1102000	06	1200EST			0	0			Heavy Snow	
	07	2000EST								
NCZ039	Randolph				0	0			Heavy Snow	
NCZ039	06	1200EST								
	06 07	1200EST 2000EST								
NCZ039 NCZ023	06 07 Alamance	2000EST			Λ	0			Hegyv Snow	
	06 07				0	0			Heavy Snow	

A major winter storm began early on the 6th and continued until the evening of the 7th. Many areas of central North Carolina received a combination of snow...sleet and freezing rain. Total accumulations of 8 to 12 inches of snow were common near the NC/VA border. To the south, a swath of 4 to 8 inches of snow and ice fell from Davidson county through the Winston-Salem and Greensboro areas, east to Wake County and northeast to Halifax county. In Raleigh, 4 inches of densely packed snow and ice fell, which consisted of at least 2 inches of sleet. Further south, over the Sandhills and Coastal Plain, mostly freezing rain mixed with sleet fell. Glaze collected on trees and power lines, causing extensive power outages from Laurinburg to Fayetteville to Wilson.

NCZ010	Warrren 06 07	1300EST 2100EST	0	0	Winter Storm
NCZ011	Halifax 06 07	1300EST 2100EST	0	0	Winter Storm

		Time Local/	Path Length	Path Width	Number of Persons	of	Estimated Damage		January 1996
Location	Date	Standard	Length (Miles)	(Yards)		jured	Property Crops	Character of Storm	
NORTH CAROLIN									
NCZ025	Durham 06	1300EST			0	0		Winter Storm	
NGTOO	07	2100EST							
NCZ026	Franklin 06	1300EST			0	0		Winter Storm	
	07	2100EST			v	Ů		vvincer Storin	
NCZ040	Chatham 06	1300EST			0	0		Winter Storm	
	07	2100EST			v	v		winter Storm	
NCZ041	Wake 06	1300EST			0	0		Winter Storm	
	07	2100EST			U	U		winter Storm	
NCZ027	Nash	1200ECT			0	0		I C4	
	06 07	1300EST 2100EST			0	0		Ice Storm	
NCZ028	Edgecombe	4400FGF						<b>.</b>	
	06 07	1300EST 2100EST			0	0		Ice Storm	
NCZ042	Johnston								
	06 07	1300EST 2100EST			0	0		Ice Storm	
NCZ043	Wilson								
	06 07	1300EST 2100EST			0	0		Ice Storm	
NCZ073	Stanly	2100251							
	06 07	1300EST 2100EST			0	0		Ice Storm	
NCZ074	Montgomery								
	06	1300EST			0	0		Ice Storm	
NCZ075	07 Moore	2100EST							
1,020.0	06	1300EST			0	0		Ice Storm	
NCZ076	07 Lee	2100EST							
NCZ070	06	1300EST			0	0		Ice Storm	
NCZ077	07 Harnett	2100EST							
NCZUTT	06	1300EST			0	0		Ice Storm	
NIC/7070	07	2100EST							
NCZ078	Wayne 06	1300EST			0	0		Ice Storm	
**************************************	07	2100EST							
NCZ083	Anson 06	1300EST			0	0		Ice Storm	
	07	2100EST						200 5007211	
NCZ084	Richmond 06	1300EST			0	0		Ice Storm	
	07	2100EST			v	Ū		ice Storm	
NCZ085	Scotland 06	1300EST			0	0		Ice Storm	
	07	2100EST			U	U		ice Storm	
NCZ086	Hoke	1200ECT			0	0		I C4	
	06 07	1300EST 2100EST			0	0		Ice Storm	
NCZ088	Cumberland							<b>.</b>	
	06 07	1300EST 2100EST			0	0		Ice Storm	
NCZ089	Sampson								
	06 07	1300EST 2100EST			0	0		Ice Storm	
NCZ007	Person								
	11 12	2200EST 0900EST			0	0		Ice Storm	
NCZ021	Forsyth	0200ED1							
	11 12	2200EST 0900EST			0	0		Heavy Snow	
NCZ008	12 Granville	OFUUES I							
	11	2200EST			0	0		Ice Storm	
	12	1100EST							

		Time Local/	Path Length	Path Width	Number of Persons	of	Estimated Damage		January 1996
Location	Date	Standard	Length (Miles)	(Yards)		jured	Property Crops	Character of Storm	
NORTH CAROLIN									
NCZ009	Vance 11	2200EST			0	0		Ice Storm	
	12	1100EST			v	v		ice Storin	
NCZ010	Warrren	2200ECE			0	0		T 64	
	11 12	2200EST 1100EST			0	0		Ice Storm	
NCZ011	Halifax								
	11 12	2200EST 1100EST			0	0		Ice Storm	
NCZ022	Guilford	1100251							
	11	2200EST			0	0		Ice Storm	
NCZ024	12 Orange	1100EST							
1102021	11	2200EST			0	0		Ice Storm	
NC7025	12	1100EST							
NCZ025	Durham 11	2200EST			0	0		Ice Storm	
	12	1100EST							
NCZ026	Franklin 11	2200EST			0	0		Ice Storm	
	12	1100EST			U	U		ice Storm	
NCZ027	Nash								
	11 12	2200EST 1100EST			0	0		Ice Storm	
NCZ028	Edgecombe								
	11 12	2200EST			0	0		Ice Storm	
NCZ038	Davidson	1100EST							
1102000	11	2200EST			0	0		Ice Storm	
NC7020	12 D	1100EST							
NCZ039	Randolph 11	2200EST			0	0		Ice Storm	
	12	1100EST							
NCZ040	Chatham 11	2200EST			0	0		Ice Storm	
	12	1100EST			U	U		ice Storm	
NCZ041	Wake								
	11 12	2200EST 1100EST			0	0		Ice Storm	
NCZ042	Johnston								
	11 12	2200EST 1100EST			0	0		Ice Storm	
NCZ043	Wilson	1100E51							
	11	2200EST			0	0		Ice Storm	
NCZ073	12 Stanly	1100EST							
NCZ073	i1	2200EST			0	0		Ice Storm	
	12	1100EST							
NCZ074	Montgomery 11				0	0		Ice Storm	
	12	2200EST 1100EST			v	U		ice Storm	
NCZ075	Moore	***						- a.	
	11 12	2200EST 1100EST			0	0		Ice Storm	
NCZ076	Lee								
	11 12	2200EST 1100EST			0	0		Ice Storm	
NCZ077	Harnett	1100E51							
	11	2200EST			0	0		Ice Storm	
NC7078	12 Wayne	1100EST							
NCZ078	wayne 11	2200EST			0	0		Ice Storm	
	12	1100EST			-	•			
NCZ083	Anson 11	2200EST			0	0		Ice Storm	
	12	1100EST			U	U		ICE SIJI III	
NCZ084	Richmond	2200555			•			T C:	
	11 12	2200EST 1100EST			0	0		Ice Storm	

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Num Per Killed	ber of sons Injured	Estim Dam Property	ated age Crops	Character of Storm	January 1996
NORTH CARC	LINA, Central									
NCZ085	Scotland									
	11 12	2200EST 1100EST			0	0			Ice Storm	
NCZ086	Hoke									
	11 12	2200EST 1100EST			0	0			Ice Storm	
NCZ088	Cumberlan	d								
	11 12	2200EST 1100EST			0	0			Ice Storm	
NCZ089	Sampson									
	11 12	2200EST 1100EST			0	0			Ice Storm	
NCZ023	Alamance									
	11 12	2200EST 1100EST			0	0			Ice Storm	

Please Note...this description applies to all central North Carolina counties during the Ice Storm of January 11-12.

Freezing rain spread across central North Carolina during the evening hours of the 11th and ended around sunrise on the 12th. Snow fell in the northwest portions of the Piedmont with Forsyth county receiving as much as 4 to 5 inches of new snow. The snow mixed with freezing rain before ending in the northwest. From Anson, Stanly, Davidson, and Guilford counties, east into the Coastal Plain, freezing rain coated trees and power lines, causing significant power outages. Total acccumulation of glaze was 1/4 to 1/2 inch. This storm, combined with the previous storm on the 6th and 7th, kept schools and businesses closed for over a week. Temperatures remained well below freezing throughout the period.

<b>Davidson County</b>					
Countywide	19	0600EST	0	0	Thunderstorm Wind
	Trees d	lown in several locations throu	ighout the county as a squa	all line moved through.	
Montgomery County					
Countywide	19	0615EST 0645EST	0	0	Thunderstorm Wind
	Trees u	prooted in several locations a	s a squall line moved throu	ıgh.	
Randolph County					
Countywide	19	0615EST 0645EST	0	0	Thunderstorm Wind
	Trees u	prooted in several locations a	re a strong squall line mov	ed through.	
Guilford County					
Countywide	19	0615EST 0645EST	0	0	Thunderstorm Wind
	Trees u	prooted			
Alamance County					
Countywide	19	0700EST	0	0	Thunderstorm Wind
	Trees a	nd power lines down			
Chatham County					
Countywide	19	0720EST 0740EST	0	0	Thunderstorm Wind
	Trees a	nd power lines down			
Lee County					
Countywide	19	0720EST 0740EST	0	0	Thunderstorm Wind
	Trees a	and power lines down			
Person County		-			
Countywide	19	0720EST 0740EST	0	0	Thunderstorm Wind
	Trees a	nd power lines down			
Orange County					
Countywide	19	0720EST 0740EST	0	0	Thunderstorm Wind
	Trees a	and power lines down			
<b>Durham County</b>					
Durham	19	0758EST	0	0	Thunderstorm Wind
	Numero	ous trees uprooted in Durham			
<b>Durham County</b>					
Durham	19	0758EST	0	0	Hail (0.75)
	Three-c	quarter inch hail fell in north I	Ourham		
Wake County					
Countywide	19	0800EST 0820EST	0	0	Thunderstorm Wind
	Trees a	and power lines down			

		Time	Path	Path	Number	of	Estimated	January 1996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Person: Killed Ir	s njured	Damage Property Crops	Character of Storm
NORTH CAROLINA,	Central			· · · · · ·				
Granville County								
Countywide	19	0800EST			0	0	15K	Thunderstorm Wind
	Numerou	0820EST is trees down.	One large pi	ne tree fell or	n a mobile hor	ne and a	an amateur radio tow	er was blown over
Wake County	Transcrou	o arees do wiii	one mige pi			iio uiia t	an annateur radio to v	or was stown over
Wake Forest	19	0820EST			0	0		Thunderstorm Wind
	Tunna and	0840EST	darra					
NORTH CAROLINA,		l power lines	down					
NCZ029-044>046		<u>stai</u> tt - Washing	ton - Tyrrell					
1102027-0442040	07	1800EST	ton - Tyrren		0	0		Winter Storm
	08	1200EST						
		_	nt snow acros	ss Pitt, Marti	n, Washingto	n and T	yrrell counties. Sor	ne schools cancelled classes or delayed
Carteret County	openings.	•						
Emerald Isle	12	0450EST			0	0	500K	Thunderstorm Wind (G91)
		0451EST						, , ,
		•	d 3 homes and	d damaged 30	others along	Ocean	and Emerald Drives.	An anemometer in the area was pegged
O	at 105 m <sub>l</sub>	pn.						
Onslow County Richlands	19	0920EST			0	0	10K	Thunderstorm Wind
Ricinalias	17	0921EST			v	v	1411	manacistorm vina
Pitt County								
Greenville	19	0958EST			0	0	20K	Thunderstorm Wind (G53)
Onslow County	19	1000EST			0	0	5K	Thunderstorm Wind
Belgrade Jones County	19	1000E51			U	U	3K	Inunderstorm Wind
Comfort	19	1000EST			0	0	15K	Thunderstorm Wind
Carteret County								
Emerald Isle	19	1045EST			0	0		Thunderstorm Wind
				ion downing	trees. A tin b	ouilding	and car were overtu	rned near Comfort. Greenville Utilities
<b>D</b> C 4	measured	l a gust to 61	mph.					
Dare County Buxton	19	1316EST	0.3	50	0	0	30K	Tornado (F0)
Duaton					-		f the Coast Guard sta	
NORTH CAROLINA,	Extreme Sou	<u>ıthwest</u>		Ü	0 0			
NODELL CAROLINA		REPORTED.						
NORTH CAROLINA,			1 (1 )					
NCZ012>014	Northampto 06	on - Hertford 1300EST	1 - Gates		0	0		Winter Storm
	08	1000EST			U	U		winter Storm
NCZ030>032	Bertie - Cho	owan - Perqu	iimans					
	06	1300EST			0	0		Winter Storm
	07 A maior	1000EST winter storm	(nonularly kr	nown as the "	'Blizzard of "	96) affe	cted much of the mi	d-Atlantic region during the weekend of
								Hertford and Gates counties
Pasquotank County	•		•				•	
Northern Portion	19	1215EST			0	0		Thunderstorm Wind
		several powe						
NORTH CAROLINA,								
NCZ001>002-018	Ashe - Alleg 05	ghany - Wata 2230EST	auga		0	0		Winter Storm
	05 06	1100EST			U	U		winter Storm
NCZ001>002-018	Ashe - Alleg	ghany - Wata	auga					
	06	1100EST			0	1		Heavy Snow
NC7002 010	07	1230EST						
NCZ003-019	Surry - Will 06	tes 1400EST			1	0	140K	Heavy Snow
	07	1200EST			•	U	1401	ilcavy Show
	M72OU							
NCZ004-020	Stokes - Ya				_			
	06 07	1530EST 1230EST			1	0		Heavy Snow
	M71OU	1230E31						
NCZ005>006	Rockinghar	n - Caswell						
	06	1630EST			0	0	40K	Heavy Snow
	07	1300EST						

		Time Local/	Path Length	Path Width	Numbe Perso		Estim Dama			January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	

#### NORTH CAROLINA, Northwest and North Central

In northwest and north-central North Carolina, up to 2 feet of snow on the 6th and 7th closed schools and businesses for several days, stranded motorists, halted mail deliveries, trash pickups, and church services, closed secondary roads in the mountains, and resulted in one injury and two fatalities.

Light snow developed across the mountains during the late evening hours on the 5th and early morning hours on the 6th. Snowfall amounts were mainly from 1 to 3 inches through the late morning hours on the 6th. The snow became heavy in Watauga, Ashe, and Alleghany Counties during the late morning hours on the 6th and spread eastward. In Stokes, Yadkin, Rockingham, and Caswell Counties, the precipitation was mixed with sleet at times. Snow depths during the early evening hours on the 7th were generally from 18 to 24 inches in the mountains and mostly from 8 to 14 inches east of the mountains. In the mountains, the snow combined with winds of 15 to 30 mph with higher gusts on the 7th and 8th resulted in snow drifts up to 10 feet high.

A man died in Westfield in Surry County after suffering a heart attack while shoveling snow. Another man died in Pinnacle in Stokes County after sufferring a heart attack while shoveling snow. A woman suffered hypothermia and frostbite after she fell into a snow drift on her way to work in Alleghany County.

The weight of the snow collapsed a chicken house in Benham in eastern Wilkes County. Approximately 17,000 chickens were killed. Total damage was estimated at nearly \$130,000. In addition, several greenhouses and awnings collapsed under the weight of the snow in Surry and Caswell Counties.

There were numerous traffic accidents and the heavy snow indirectly resulted in several injuries and two fatalities. A traffic accident just west of Mount Airy cost two people their lives and injured another. The National Guard used several humvees and a few armored personnel carriers to transport medical and emergency personnel to work or to those in need.

Numerous storm shelters were established across the area. Prior to the storm and after the storm, many grocery stores sold out of perishable items like bread, milk, and eggs. There were several heroic life saving efforts to get medical attention, medicine, or food to those stranded. There were a few minor power outages in the mountains.

NCZ001>002-018	Ashe - Alleghany - Watauga				
	11 2200EST 12 0500EST	0	0		Heavy Snow
NCZ003>004-019>020	Surry - Stokes - Wilkes - Yadkin				
	11 2300EST 12 0600EST	0	0	250K	Heavy Snow
NCZ005>006	Rockingham - Caswell				
	12 0030EST 0630EST	0	0		Winter Storm

Heavy snow developed across northwest North Carolina during the late evening hours on the 11th and spread eastward. The snow mixed with sleet and freezing rain in Rockinham and Caswell Counties. Snow accumulations were generally from 4 to 6 inches in the mountains, around 4 inches in Surry, Stokes, Wilkes, and Yadkin Counties and from 1 to 4 inches in Rockingham and Caswell Counties.

Hazardous road conditions resulted in numerous traffic accidents. The weight of the snow from this storm in combination with the weight of the snow from the previous storm collapsed the roof of a business in Mount Airy. The 2,500 square foot building was a total loss.

NCZ019	Wilkes					
	19	0000EST	0	0	90K	High Wind
NC7010	***	0240EST				
NCZ018	Watauga	0.0 40 77 077			0.077	
	19	0040EST	0	0	90K	High Wind
		0130EST				
Watauga County						
Countywide	19	0045EST	0	0		Flash Flood
		0515EST				
Alleghany County						
Sparta	19	0050EST	0	0		Flash Flood
_		0400EST				
NCZ002	Alleghany					
	19	0050EST	0	0	5K	High Wind
		0215EST				Ü
NCZ001	Ashe					
	19	0130EST	0	0		High Wind
		0330EST				8
NCZ003	Surry					
	19	0230EST	0	0		High Wind
		0400EST				8
Alleghany County						
Stratford	19	0245EST	0	0	5K	Lightning
Ashe County		0 <b>2</b> 10 20 1	•	•		
	19	0215ECT	0	0		Flash Flood
Countywide	19	0315EST 0500EST	0	0		riash Flood
		OSOUES I				

	ъ.	Time Local/	Path Length	Path Width	Numb Pers	ons	Estima Dama	ige		January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	
NORTH CAROLINA	, Northwest an	d North C	<u>entral</u>							
Wilkes County										
Countywide	19	0315EST 0415EST			0	0	40K		Flash Flood	
Wilkes County										
Wilkesboro	19	0330EST			0	0	3K		Thunderstorm V	Wind
Rockingham County										
Countywide	19	0600EST 0640EST			0	0			Thunderstorm V	Vind
Caswell County										
Leasburg	19	0720EST			0	0			Thunderstorm V	Wind
NCZ005>006	Rockingham	- Caswell								
	19 21	1200EST 1000EST			0	0			Flood	
NCZ003-019>020	Surry - Wilk	es - Yadkin								
	19 20	1300EST 0300EST			0	0			Flood	

A strong storm system on the 19th brought high winds, damaging thunderstorm winds, heavy rain, and damaging lightning to portions of northwestern and north-central North Carolina. The heavy rain combined with snow melt to produce flash flooding and then minor river flooding on most rivers.

Heavy rainfall and snow melt flooded roads and brought numerous creeks and streams out of their banks in Watauga County. In Boone, floodwaters resulted in the evacuation of Glenstone Health Care. Many secondary roads were covered with flood waters in Sparta. Heavy rainfall and snow melt flooded several creeks and streams and some roads in Ashe County and in Wilkesboro in Wilkes County. Damage to Cub Creek Park in Wilkesboro was estimated at \$2,500. In Wilkesboro, flash flooding resulted in \$17,000 in damage to a business and submerged several vehicles. In addition, there were several mud slides in Wilkes County.

High winds downed trees and resulted in scattered power outages in Ashe, Watauga, Alleghany and Wilkes Counties and in the northern and western portions of Surry County. The winds downed power lines in Alleghany County and ripped the roof off a mobile home northeast of Sparta. Wind gusts were estimated up to 80 mph in portions of Wilkes County.

Thunderstorm winds knocked down trees in Leasburg and across most of Rockingham County and downed trees and damaged awnings in Wilkesboro.

A lightning strike started a fire which detrsoyed a barn in Stratford.

Runoff from heavy rain and snow melt resulted in minor flooding on the Yadkin River from 3 miles west-southwest of Elkin to 6 miles east of Courtney. The Yadkin River crested about 1.5 feet above flood stage at Elkin at 1600 EST on the 19th.

Runoff from the heavy rain and snow melt resulted in minor flooding on the Dan River.

NCZ001>002-018

### Ashe - Alleghany - Watauga

26 1130EST 1700EST

0

Winter Storm

Freezing rain in the mountains of North Carolina during the late morning and afternoon hours on the 26th resulted in hazardous travel conditions. There were numerous accidents during the afternoon hours with several injuries reported.

**Surry County** 

2 SW Mount Airy	27	0330EST 0520EST	0	0	Urban/Sml Stream Fld
Surry County Elkin	27	0330EST 0520EST	0	0	Urban/Sml Stream Fld

As a result of heavy rainfall, water covered roads 2 miles southwest of Mount Airy and in Elkin.

### **NORTH CAROLINA, South Coastal**

NONE REPORTED.

### **NORTH CAROLINA, Southwest**

NCZ033-048>053-058- Avery - Madison - Yancey - Mitchell - Swain - Haywood - Buncombe - Graham - Henderson

06 1200EST

0 Winter Storm

Snow began early in the morning and by mid day had reached heavy criteria over part of the mountains with accumulations exceeding 6 inches in some areas. Remaining mountain locations picked up heavy snow accumulations a bit later in the afternoon. At the start of the storm the snow was very wet and acumulations caused power outages in some places. The heavy snow continued through the night and into the next day. Accumulations in the mountains ranged from 4 to 12 inches over the cental and southern mountains with 18 to 30 inches in the northern mountains. Brutally cold conditions followed the snow with very windy conditions reported. Blizzard conditions may have been reached in some areas. Extreme cold followed the storm in much of the mountains with wind chills of 20 to 30 below zero.

		Time	Path	Path	Number		Estimated		January 1996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Person Killed I		Damage Property Crops	Character of Storm	Junuary 1990
NORTH CAROLINA,	Southwest						1 7 1		
NCZ070>072-082	Gaston - M 06	1800EST	Cabarrus -	Union	0	0		Winter Storm	
	07	2100EST							
	into the	next day. The l	ayer of ice u	nder the 1 to	2 inches of si	now (3 to		dmont. The precipitati county) caused seriou Metro area.	
	numero	us indirect inju	iries and a	few fatalities	s associated	with the		g accidents were reported and deaths were	
NCZ034>037-054>057- 066-069	Caldwell -	Alexander - I	redell - Davi	ie - Mcdowel	l - Burke - C	atawba -	- Rowan - Polk - L	incoln	
	06 07	2000EST 2100EST			0	0		Heavy Snow	
	most of tier. Th	the next day.	Total accumu	ılations range	ed from 4 inc	hes in the	e southernmost par	snow persisted through t of the area to 15 inch end of the storm, wind	nes in the northern
NCZ033>037-048>058- 065>072-082	Burke - Ca	atawba - Rowa				-		Iaywood - Buncombe coln - Gaston - Meckl	
	Cabarrus 11 12	- Union 1800EST 0800EST			0	0		Winter Storm	
	The seconountain	ond snowstorm ins with most n nimal ice storm	nountain and	foothill loca	tions receivin	g 3 to 6	inches. In the pieds	foot of snow was repo- mont, there was more come power outages an	of a mixture of ice
NCZ033>037-048>058- 065>072	Avery - Ca	aldwell - Alexa				-		Haywood - Buncombe coln - Gaston - Meckl	
	18 19	2000EST 0500EST			0	0	75K	High Wind	
	winds winds withe high number moved to the Character A line coccurred church,	ere extremely best wind in 20 of power outathrough. Lincol rlotte metro are of severe thund around Granit the roof of a su	nigh in the myears of recoges as a resunton redorder during the derstorms bore Falls when abstantial bu	nountains with ord. Numerounds. The gradied a gust to 52 early morning osted the gradie a gust to 10 idling was re-	n Flat Top months trees and potent wind cause 2 knots around g hours.  dient winds to 28 mph was removed, a high	ountain re ower line ased cons d 1 AM v to extrem ecorded b h school	porting gusts to 72 s were blown down iderable damage in the with damage in the lely high levels in before the wind equ stadium press box	front swept through. P. knots during the early n in western North Car the foothills and piecarea. The damaging was few places. The moipment failed. A steep was severely damage f. The roof of a buildir	evening. This was colina with a large dmont as the front inds moved across st intense damage le was blown off a d and a wall at the
NC7022 050 0525 052	Icard an	d a few buildin	gs and powe	r lines were d	lamaged in an	d around	Taylorsville.		ig was removed in
NCZ033-050-052>053- 055-059-062-064>065	·	•	ooa - Bunco	mbe - Burke			- Macon - 1 ransyl	vania - Henderson	
	night. H	leavy rain and t	looding acco	ompanied the	storm systen	n. Severa	_	Flood  ntains, foothills and pi across the mountains	0
NCZ033-050-062		itchell - Macoi 0100EST			0	0		Flood	
		0600EST	old front, pre	eceded by hea	-		d through the mou	ntains, foothills and pi	edmont during the
<b>Buncombe County</b>	night.								
Leicester to	24	0445EST			0	0	25K	Thunderstorm '	Wind
Barnardsville	reported	l in several loca	tions across	northern Bur	combe count	y. A mob	-	nd to produce strong gofed near the Madison	_
Buncombe County West Asheville	24	0630EST			0	0			
vvest Asheville		ng struck a hom	e in Buncon	nbe county ca	•		some damage.	Lightning	

		Time Local/	Path Length	Path Width	Number Persons		Estimated Damage		January 1996
Location	Date	Standard	(Miles)	(Yards)		njured	Property Crops	Character of Storm	
NORTH CAROLINA,	<b>Southwest</b>								
Cleveland County									
6 E Shelby	24	0745EST			0	0	50K	Thunderstorm	Wind
	Ratwaan	0800EST	inge Mount	oin a cavara tl	undersotrm (	lownbu	ret coused considers	ble damage. The dam	aga nath was about
		•	-					everal others were slig	
	•	l. A few trees v	•	-	own moone i	nome w	as destroyed and se	verai oniers were sing	mily to moderately
NCZ033>037-048>058-	Ü				Iadison - Ya	ncev - N	Mitchell - Swain - 1	Haywood - Buncomb	e - Mcdowell -
065>066-069	-	tawba - Rowa				-		J	
	26	1100EST			0	0		Ice Storm	
	D - !	2300EST	-14 -!	-4:11 4	n: : c: + .c.				
				* *	0	_		umerous traffic accide ern mountains. The fre	
							were closed for a pe		ezing temperatures
NCZ034-048>049-	-		-	-	•	•	-	thern Jackson - Mac	on - Transylvania
051>055-059-062-		n - Polk - Rut			- Builcombe	- Wicuc	owen - Darke - 1101	thern suckson - Muc	on - Transyrvama
064>067-082									
	26	2055EST			0	0	30K	Flood	
	27 Prolonge	0630EST	hoovier fol	lowing the ice	the rein inc	roosed	into the night when	some thunderstorms	marrad in from tha
	U			0				ng to begin by mid eve	
								Numerous roads were	
		_				,	,	Oconoluftee. Evacua	
				•		-	not severe in the no		1
NORTH DAKOTA, Ce	ntral and W	<u>'est</u>							
NDZ001>053	Divide - Bu	rke - Renville	e - Bottinea	ı - Rolette - T	Cowner - Cav	alier - l	Pembina - William	s - Mountrail - Ward	l - Mchenry -
								idan - Wells - Eddy -	
								eigh - Kidder - Stuts	
	Sargent - R	_	- Grant - De	)wiiiaii - Ada	ilis - Sioux -	Ellilloi	is - Logaii - La Mo	ure - Ransom - Mcin	tosii - Dickey -
	17	0430CST			0	0		Blizzard	
	18	1300CST							
	_	-			-		-	igh pressure moving s	
	-					_		Williston in the northy	
			_					eceiving 18 and 7.9 i were found in the east	
								and US Highway 2 fi	
								ours on the interstate	
								d did not re-open unt	
	With ten	nperatures dro	pping to 10	to 20 degree	es belw zero,	wind c	hills varied from 6	0 to 80 below zero,	snow removal was
								Co.) the water in the w	
				_	_		-	oses before it could be	* *
		vice was disru	ipted statew	ide for the 17	tn and 18th.	The co.	id also caused seve	ral water main breaks	and minor power
NID/7050	outages.								
NDZ050	Mcintosh 26	0001CST			1	0		Extreme Windo	shill
	20	2359CST			1	U		Extreme Winds	.11111
	An 84 ye	ear old Lehr m	an died of e	xposure when	he went to vi	isit the g	grave of his wife. The	ne man was found 1 m	ile from his house.
		•			d wind chills	were e	stimated to be arou	nd 60 below. The man	was not wearing a
	Ü	loves when he	was found.	M84OU					
NDZ035	Burleigh	1000 CCT							
	29	1200CST 1800CST			1	0		Extreme Windo	chill
	A 57 yea		k man died	from a heart a	ttack while o	perating	a snow blower. Th	e day before the man	died, the Bismarck
								elow zero with wind	
	below. I			-	- 1				
NORTH DAKOTA, Ea	<u>st</u>								
NDZ007>008-016-	Cavalier - l	Pembina - Wa	ılsh - Nelsoı	ı - Grand Fo	ks - Griggs ·	- Steele	- Traill - Barnes -	Cass - Ransom - Sara	gent - Richland
026>030-038>039-049-									
052>053	17	1/00CST			0	0		Rliggond	
	17 18	1400CST 1300CST			U	U		Blizzard	

A strong low pressure system located over the Central Plains brought a combination of heavy snow, strong wind, and subzero temperatures to eastern North Dakota. 20 inches of snow fell in Wahpeton, 18 inches fell in Fargo, and amounts of 8 to 13 inches were common over the rest of the area. The 18 inches of snow recorded in Fargo was the second heaviest snowfall on record for a 24 hour period. A north wind gusting up to 55 mph created drifts up to 10 feet high. The wind tore a large siding panel off the west side of the Radisson Hotel in Fargo. Law enforcement officials advised no travel and closed Interstate 29 in North Dakota, Interstate 94 from Fargo to Bismarck, and US Highway 2 from Grand Forks to Devils Lake. 3 people in 2 vehicles who did attempt to travel were stranded for several hours until they were rescued. Many schools closed at noon on the 17th and did not

		Time Local/	Path Length	Path Width	Number of Persons	S	Estimated Damage		January 1996
ocation	Date	Standard	(Miles)	(Yards)	Killed In	jured	Property Crop	os Character of Storm	
NORTH DAKOTA, Eas		until the 22nd	Temperatur	res dronned t	o 10 to 20 be	low zero	and compound	ed the snow removal pro	cess Many nlow
								several water main break	
OHIO, East									
OHZ039	Tuscarawa				0	0		<b>TT</b> 0	
	02 03	1000EST 2000EST			0	0		Heavy Snow	
	•	now (six inches			•		•		
OHZ049>050-057>059- 068>069	Harrison -	Jefferson - M	uskingum -	Guernsey - l	Belmont - No	ble - Mo	onroe		
000>009	02	1000EST			0	0		Ice Storm	
	03	1500EST	1.1	1 /1 11	01: 17:11		1		1.01.
								f freezing rain and sleet in  One to two inches of in	
		gum, Jefferson,				una Be	omon countres	. One to two menes of F	ee was reported in
<b>Belmont County</b>			-						
1 NW Powhatan Pt	17 18	1300EST 0200EST			0	0	25K	Flash Flood	
			Wheeling (	Creek downst	ream of Wolf	hurst, w	here water had	risen to bankfull. Anothe	r jam caused oper
				-	•	- 1		een Steinersville and Pov	
	an ice jai	m at the mouth	of the creek	at Powhatan	Point. Some l	nomes ar	nd businesses w	ere flooded and roads clos	sed.
Coshocton County 5 E Warsaw	18	0740EST			0	0	50K	Flash Flood	
o E Walbaw		0740EST 1700EST							
	_		-	-	r, 5 miles eas	t of Wa	rsaw, behind ic	e jams. Seventy people	were evacuated in
<b>Tuscarawas County</b>	w arsaw.	. Water entered	some nome	S.					
Dover Dover	18	1800EST			0	0		Flash Flood	
	Cu com om	1800EST 2200EST		out of its hom	Iro. Amiloo hu	:1.d.,	the angels course	d the victor to rice. A co	umla of moods vuon
		nd water approa					the creek cause	d the water to rise. A co	upie oi roads were
<b>Tuscarawas County</b>			,						
Dover	18	1800EST			0	0		Flash Flood	
	Sugar Cr	2200EST reek near Dove	er went iust o	out of its ban	ks. An ice bu	ild-up in	the creek cause	ed the water to rise. A co	uple of roads were
		nd water approa							r
<b>Belmont County</b>									
St Clairsville	19	0400EST 1300EST			0	0		Flash Flood	
	Numerou		ns went out o	of their banks	across east-co	entral Ol	hio. Widespread	one to one and a half inc	ch rainfall amounts
								re affected by the flooding	
								ding followed (found in a few trailers in low-lying)	
								damage was due to ice ja	
	Wahlhon	nding River (fo	und in earlie	r report). Gu	ernsey County	- a few	houses had son	ne water in their basemen	ts and three county
								m County - a few roads	
		into the region			Flood waters	ın smaii	streams began t	o recede by late morning.	Snarply colder an
Carroll County	moving i	into the region	turned wet s	urraces rey.					
Carrollton	19	0400EST			0	0	10K	Flash Flood	
Columbiana County		1300EST							
Salem	19	0400EST			0	0	20K	Flash Flood	
	===	1300EST			*	-	-		
Coshocton County	19	MAARET			0	0		Flash Flood	
Coshocton	19	0400EST 1300EST			U	U		F188N F1000	
<b>Guernsey County</b>									
Cambridge	19	0400EST 1300EST			0	0	10K	Flash Flood	
Harrison County		13001231							

0

0

**20K** 

Flash Flood

Flash Flood

**Harrison County** 

**Jefferson County** 

Steubenville

Cadiz

0400EST 1300EST

0400EST 1300EST

19

19

		Time Local/	Path Length	Path Width		ber of sons		Estimated Damage		January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	
OHIO, East										
Monroe County										
Woodsfield	19	0400EST 1300EST			0	0	2K		Flash Flood	
Noble County										
Caldwell	19	0400EST 1300EST			0	0			Flash Flood	
<b>Tuscarawas County</b>										
New Philadelphia	19	0400EST 1300EST			0	0			Flash Flood	
Muskingum County										
Zanesville	19	1000EST 1300EST			0	0			Flash Flood	
OHZ041-050-059-069	Columbia	na - Jefferson -	Belmont - M	onroe						
	19 22	2200EST 1000EST			0	0	3.7M		Flood	

Flood waters from the Allegheny and the Monongahela Rivers crested in phase at the Point in Pittsburgh. Water from these two mainstem rivers flow into the Ohio River. Major flooding to communities along the Ohio River occurred in Columbiana, Jefferson, Belmont, and Monroe Counties in east-central Ohio. The Ohio River at East Liverpool went above its 14 foot flood stage on the 19th at 10 pm EST. The river crested at 24.8 feet (10.8 feet above flood stage) on the 20th at 7 pm. Crests downstream were not as high, Hannibal, Ohio crested at 39.4 feet (4.4 feet above flood stage) on the 21st at 1 pm.

Nonetheless, damages to homes and businesses and their contents, public facilities, bridges and roads along the river were enormous. In Columbiana County 318 residences were affected, 14 minimally, 107 minor damage, 136 major damage, and 61 destroyed. Seven businesses sustained minor damage. In Jefferson County, a total of 187 residences were affected by the flooding, 136 minimally, 49 major damage, and 2 destroyed. Eight businesses had minor damage, 1 minor damage, and 4 destroyed. In Belmont County, 318 residences were effected, 14 minimally, 107 minor damage, 136 major damage, and 61 were destroyed. In Monroe County, 85 residences were affected, 35 minor damage and 50 with major damage. Seven businesses had major damage.

#### OHIO, North

OHZ011>014-020>023-030>033-037>038-047 Cuyahoga - Lake - Geauga - Ashtabula - Medina - Summit - Portage - Trumbull - Ashland - Wayne - Stark - Mahoning - Morrow - Holmes - Knox

02 0900EST

02 0900EST 03 1300FST 0 0 3.4M

Heavy Snow

Snow became heavy at times and heavy snow fell during the overnight hours into the morning of the 3rd. Snow accumulated an average of 8 to 14 inches and northeast winds of 20 mph with gusts to 30 mph produced significant blowing and drifting snow with localized blizzard conditions. A number of counties declared snow emergencies to restrict travel and a number of roads were closed by snow and blocked by abandoned vehicles. Emergency shelters were opened in several towns to provide food and shelter for stranded travelers. Roof collapses began as the snow piled up and continued for days after the storm. An elementary school in Cleveland (Cuyahoga) collapsed but school was not in session. The building may have been damaged beyond repair. No direct injuries or fatalities were reported but a number of injuries and several fatalities were reported from automobile accidents and at least three people (men) died in the Cleveland area from heart attacks while shoveling snow.

**OHZ008** 

Sandusky

05 1400EST

) (

**High Wind** 

In Fremont, high winds brought down one side of a manufacturing building under construction on State Route 53 North. A window at a pharmacy in Clyde was blown out.

OHZ019>020-028>033-036>037-047 Huron - Medina - Crawford - Richland - Ashland - Wayne - Stark - Mahoning - Marion - Morrow - Knox

07 0600EST 1800EST ) 1 1.1M

Heavy Snow

Snow spread from south to north and heavy snow reached as far north as southern Huron and southern Medina counties. Accumulations averaged 4 to 8 inches with a maximum of 12 inches reported in southern Knox County. Northeast winds gusting to 30 mph caused considerable blowing and drifting snow, especially considering there was already a foot or more already on the ground in most of the area before the new snow began. Roads were closed and snow emergencies were declared in several counties. Major roof collapses occurred including a Service Merchandise store in Ontario (Richland County) where a woman was injured. A business in Canal Fulton had a roof collapse and a number of garages were damaged or destroyed in the Youngstown area from roof collapses. Hotels and motels filled up from stranded travelers, especially in the Youngstown area since virtually all roads to the east across Pennsylvania were closed due to heavy snow from what became known along the east coast as the blizzard of 96.

OHZ013>014

Geauga - Ashtabula

09 2100EST 10 0800EST 0 7K

**Heavy Snow** 

Snow and lake effect snow squalls accumulated an average of 4 to 8 inches.

OHZ012

Lake

17 1900EST

 $0 \quad 0 \quad 80K$ 

Flood

Ice jams developed on the Chagrin River near Eastlake and several other locations as warm temperatures, melting snow, and rain caused the ice to break and water to rise. Some evacuations occurred but the ice jams broke before significant flooding developed. Several roads were flooded as well as some basements. A few boats, boat docks, and automobiles parked near the river were destroyed.

Storm	Data and	Unugual	Weather	Phenomena
JUIII	Data and		v v GaliiGi	

		Time	Path	Path	Number o	f	Estimated	January 1996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed Inj	ured	Damage Property Crops	Character of Storm
OHIO, North								
OHZ014	Ashtabula	1200ECE					2017	<b>.</b>
	18	1200EST 2000EST			0	0	30K	Flood
		-			and near the near East 24th			ng several roads and some basements.
OHZ002>003-005>014-	-		_					Geauga - Ashtabula - Seneca -
018>023-033		edina - Summ	it - Portage	- Trumbull	- Mahoning 0	0		High Wind (C69)
	27	0600EST 1800EST			U	U		High Wind (G68)
	winds gu	sted to 60 mpl	h after the pa	issage of a co	old front with a	peak	gust measured of 78	northern Ohio. The west to southwest mph west of Sandusky (Erie County) at Bay Village (Cuyahoga).
OHZ003-006>009		od - Ottawa -	Sandusky -	Erie	0	0		II: -l- IV: J (C50)
	29	1100EST 1730EST			0	0		High Wind (G50)
	Winds gu	isted to 60 mp	h in a few sp	ots downing	tree, limbs, and	d powe	er lines.	
OHIO, Northwest								
	NONE F	REPORTED.						
OHIO, Southeast								
OHZ066>067	Perry - Moi 02	rgan 1600EST			0	0	10K	Ice Storm
	03	0400EST	c : 1 c	1.				
		three quarter of sleet across Pe			_			
OHZ066>067-075>076- 083>087			•	-		eigs - (	Gallia - Lawrence	
	06 08	1800EST 0200EST			0	0	5K	Heavy Snow
	Jackson, higher ald 10 to 15 i with 15 in	ong the Ohio I inches were conches on the g , a foot of snow	hens, and Ne River countie ommon. Mar round. New	w Lexington. s, where snow rietta had the port had 13 in	Amounts were well depths of most reported naches. In	re		
OHZ083>087	Jackson - V	inton - Meigs	s - Gallia - L	awrence				
	11 12	2200EST 0800EST			0	0		Heavy Snow
	Point and	inches of new	asured 6 inch	nes of new sn	ow. Total sno	W		
OHZ076-085>087	-	ı - Meigs - Ga			on the 12th.			
	20 22	1200EST 0700EST			0	0	1.7M	Flood
	As a resu and weste flood stag Engineer than the were repo	It of rain and i ern Maryland, ge from Marie s gauge at Ma crest in Janua	the Ohio Riv tta to Ironton crietta was 39 ry, 1994. A d, Meigs Cou	ver crested 3 to . The crest a 9.3 feet, Pom flood of equanty had 20 do		50.5 fe		1.6 feet. This crest was slightly greater . In Washington County, 28 structures
Athens County Countywide	24	0130EST 0600EST			0	0		Flash Flood
Gallia County Countywide	24	0130EST			0	0		Flash Flood
Jackson County	•	0600EST			•			
Countywide  Meigs County	24	0130EST 0600EST			0	0		Flash Flood
Countywide	24	0130EST 0600EST			0	0		Flash Flood

		Time	Path	Path		ber of sons	Estim	ated		January 1996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Dama Property	Crops	Character of Storm	
OHIO, Southeast										
Vinton County										
Countywide	24	0130EST 0600EST			0	0			Flash Flood	
Washington County										
Countywide	24	0130EST 0600EST			0	0			Flash Flood	
	Rains of the		ches in 6 hou	ırs across soi	utheast Ohi	o caused 1	numerous sr	nall strear	ns to flood and block	secondary roads in
	Run in th		rea of Athen	•					of the creeks that floo nty, and Leading Creek	_
OHIO, Southwest										
OHZ015>016-024>026- 034>035-042>046- 051>056-060>062-070		Putnam - Vai 1 - Clark - Ma							ogan - Union - Delav itler	ware - Miami -
0012 000 0002 002 070	02 03	1400EST 1400EST			0	0	750K		Winter Storm	
	70, acros		al Ohio whe ith snow drif	re there was fts between 3	up to 1 foo and 5 feet.	ot of snow	fall and bli		est snow fell near and ditions. Wind gusts u	
		riented east to Temperatures			,	_		_	now drifts shortly afte	er these roads were
OHZ070>072-077-080	Butler - Wa 04	arren - Clinto 1400EST	n - Hamilto	n - Highland	d 0	0	20K		Heavy Snow	
	-	2200EST moving Alber and Cincinnati		ystem brougl	ht around 4	inches of	flight and f	luffy snov	v to a portion of south	nern Ohio between
OHZ034>035-042-046- 051>056-060>065- 070>074-077>082-088	Greene - Fa	-	way - Fairfi			-			in - Licking - Preble amilton - Clermont -	
070/074-077/002-000	06 08	1500EST 0200EST	- Scioto		2	0	14.3M		Winter Storm	
	The Bliz and 24 h	zard of '96 de nour snowfall	at Greater C	Cincinnati\No	orthern Ken	tucky airı	ort. This	one storm	assive system produce brought 14.3 inches ar the Ohio river in the	of snowfall to the
	the wors the storn new sno year old	whiteouts. So t winter storm n. By the end w, and snow f	ome areas had since the Bl of the storm from a storm exposure und	d more than izzard of '78. many home: earlier in the der an overp	30 continue. In Fayette s and busin e week. By	ous hours county, t esses had late in th	of snowfall he airport re their roof co ne day on th	, and mar eported a vollapse or e 7th arct	snow was blown around people in Southern wind gust to 56 mph dispartially collapse from ic air was pouring into a died of exposure on	Ohio felt this was luring the height of in the weight of the pother region. A 47
OHZ024-034>035-042- 045>046-051>054-056- 060>065-070>073- 077>078-080>081-088		ry - Greene -							s - Madison - Licking s - Hamilton - Clerm	
	11 12	1500EST 1000EST			0	0	26K		Heavy Snow	
	A fast n		•						entucky-Tennessee bo	order. This storm
OHZ024-034>035-046-	-								- Ross - Hamilton - 0	Clermont - Brown

OHZ024-034>035-046-055-061-064-070-073-077>082-088 Van Wert - Mercer - Auglaize - Delaware - Franklin - Montgomery - Pickaway - Butler - Ross - Hamilton - Clermont - Brown - Highland - Adams - Pike - Scioto

17 1200EST 0 0 187K Flood 23 1200EST

The combination of significant prior snow cover, warm temperatures, and rainfall produced widespread tributary flooding in the Ohio river basin. Some ice jam flooding also occurred in the northern Scioto basin. Snow water equivalents of nearly 4 inches in portions of the Maumee and St. Mary's basins kept the St. Mary's river out of its banks through the 19th and 20th. Several rescues were made early on the 20th along the St. Mary's when at least 3 feet of flowing water was on a nearby road on the Mercer-Van Wert county line.

Most of the tributaries were back within their banks by the 21st, but points along the Ohio river were now in flood. Some of the tributaries which experienced significant flooding were the Scioto, Great Miami and Blanchard rivers, as well as Ohio Brush Creek.

		Time Local/	Path Length	Path Width	Numb Pers		Estim Dam		Ja	nuary 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	
OHIO, Southwest										
OHZ088	Scioto									
	18	1600EST			0	0	2K		High Wind (G50)	
	Trees blo	own down.								
OHZ024	Van Wert									
	18	1630EST			0	0	50K		High Wind (G55)	
	A barn lo	ocated northwe	st of the tow	n of Convoy	was blown	down. La	arge tree lin	nbs and uti	lity poles were blown dov	vn.
OHZ016	Putnam									
	18	1809EST			0	0			High Wind (G50)	
	Wind gu	st of 58 mph re	ported in Co	olumbus Grov	e.					
OHZ064-073-077>082- 088	Pickaway -	Ross - Hamil	ton - Clerm	ont - Brown	- Highland	d - Adam	s - Pike - S	cioto		
	23 30	1200EST 1200EST			0	0	5.1M		Flood	
	By the 2	23rd many trib	utaries to th	ne Ohio river	r had alrea	dy creste	ed and were	receding	back within their banks	. However, a
	significa	nt rain event o	ccurred on the	he 23rd bring	ging over 2	inches of	f rain to Sou	ıth Central	areas with lesser amoun	ts to the north.
	Many tri	butaries were	oushed back	into flood or	the 24th,	and the fl	lood crest n	noved dow	nstream on the Ohio rive	r. While most
	tributarie	es only experie	nced minor t	o moderate f	looding, ba	ackwater f	flooding fro	m the Ohio	o resulted in major floodi	ng along some
	of the tri	butaries. The	Little Mian	ni river was f	looded par	ticularly	bad just eas	st of Cinci	nnati. Evacuations took	place near the
	confluen	ce of the Ohio	and Little	Miami river	s on the 2	24th as th	e Ohio rivo	er crest tra	welled through Cincinna	ti. Cincinnati
	eventual	ly crested during	ng the evenir	ng of the 24th	at 57.3 fee	et, while f	flood stage	is 52 feet.	This was the highest cres	t in Cincinnati
	since Ma	rch, 1979.								
Scioto County										
Countywide	24	0530EST 0800EST			0	0	10K		Flash Flood	

Persistent heavy rainfall caused some roads to be closed and a few people were evacuated from buildings.

### **OKLAHOMA**, Extreme Southeast

NONE REPORTED.

OKZ068>076	Cherokee	- Adair - Muskogee 1800CST	e - Mcintosh - Sequoyah	- Pittsbur	g - Ha	askell - Latimer - Le F	lore Heavy Snow
	02	0400CST		U	U		neavy Snow
							ued into the early morning of January
	2nd. The	e heaviest snow fell	in east central and southea	st Oklaho	ma wł	here some areas receive	d 4 to 7 inches of snow.
Cherokee County							
Peggs	17	1827CST		0	0		Hail (0.75)
Delaware County							
Leach	17	1850CST		0	0		Thunderstorm Wind (G52)
Delaware County		1002 CCF		0	•		TI 1 (C.52)
3 W Jay	17	1902CST		0	0		Thunderstorm Wind (G52)
Creek County	15	1010 CCT		0	•		II 1 (1.00)
1 SE Drumright	17	1910CST		0	0		Hail (1.00)
Pawnee County Hallett to	17	1940CST		0	0		Thunderstorm Wind (G52)
10 E Hallett	17	1940031		U	U		Thunderstorm wind (G32)
Tulsa County							
2 E Sand Springs	17	1957CST		0	0		Hail (0.75)
Osage County							
New Prue	17	2010CST		0	0		Thunderstorm Wind (G52)
Creek County							
Sapulpa-Kiefer	17	2010CST		0	0	0.10K	Thunderstorm Wind
Sequoyah County							
Muldrow	17	2015CST		0	0		Hail (0.75)
Sequoyah County							
Muldrow	17	2015CST		0	0	1K	Thunderstorm Wind
Tulsa County		**************************************					TT 11 (0.00)
3 S Glenpool	17	2027CST		0	0		Hail (0.88)
Tulsa County	15	2045 CCT		0	0		II 1 (1.00)
Bixby Tulsa County	17	2045CST		0	U		Hail (1.00)
Broken Arrow	17	2045CST		0	0		Hail (1.00)
Wagoner County	17	2043CS1		U	U		Hall (1.00)
Coweta	17	2050CST		0	0		Hail (0.75)
Wagoner County	1,	2030031		v	U		11an (0.73)
Wagoner	17	2050CST		0	0		Hail (0.75)
Wagoner County	1,	2000001		•	•		(0,10)
6 E Broken Arrow	17	2110CST		0	0		Hail (1.00)
0 2 210000 11100				-	-		(-700)

Decision			Time	Path	Path	Numl	ber of	Estima	ated	January 1996
Rogers County   3 NW Cheleae   17   2112CST	Location	Date		(Miles)						
Rogers County   3 NW Cheleae   17   2112CST	OKLAHOMA, Northeast	t								
Oktuskee County		-								
Bearden	3 SW Chelsea	17	2112CST			0	0	15K		Thunderstorm Wind
Mayes County   17	Okfuskee County									
3 N Adair         17         2123CST         0         0         0.10K         Thunderstorm Wind           Okfuskee County         Bearden         17         2125CST         0         0         Hail (0.75)           Mayes County         3 N Chouteau         17         2142CST         0         0         Hail (0.075)           Mayes County         17         2147CST         0         0         Hail (1.00)           Mayes County         5 F Pyor         17         2150CST         0         0         5K         Thunderstorm Wind           Okfuskee County         17         2208CST         0         0         5K         Thunderstorm Wind (G56)           Okmulgee County         17         2230CST         0         0         5K         Thunderstorm Wind (G56)           Muskogee County         17         2230CST         0         0         12K         Thunderstorm Wind (G56)           Muskogee County         4 N Wainwright         17         2230CST         0         0         12K         Thunderstorm Wind           Delaware County         17         2230CST         0         0         12K         Thunderstorm Wind           Muskogee County         1         2240CST         0	Bearden	17	2115CST			0	0	8K		Thunderstorm Wind
Okfuskee County   Bearden   17   2125CST   0   0   0   Hail (0.75)	· ·									
Bearden 17 2125CST 0 0 0 Hail (0.75)  Mayes County 3 N Chouteau 17 2142CST 0 0 0 Hail (0.75)  Mayes County 1 S Pryor 17 2147CST 0 0 0 Hail (0.76)  Mayes County 5 E Pryor 17 2150CST 0 0 0 Hail (1.75)  Okfuskee County Pharoah 17 2208CST 0 0 5 K Thunderstorm Wind (G.56)  Okfuskee County Pharoah 17 2210CST 0 0 5 K Thunderstorm Wind (G.56)  Okmulgee County Beggs 17 2225CST 0 0 0 Thunderstorm Wind (G.56)  Okmulgee County Hitchita 17 2230CST 0 0 0 Hail (0.75)  Muskogee County 4 N Wainwright 17 2230CST 0 0 0 Hail (0.75)  Muskogee County 1 S Schulter 17 2231CST 0 0 0 122K Thunderstorm Wind (G.56)  Okmulgee County 1 S Schulter 17 2230CST 0 0 128K Thunderstorm Wind (G.56)  Okmulgee County 1 S Schulter 17 2230CST 0 0 0 128K Thunderstorm Wind (G.56)  Okmulgee County 1 S Schulter 17 2230CST 0 0 0 100K Thunderstorm Wind (G.56)  Muskogee County Muskogee County 1 S SChulter 17 2240CST 0 0 0 100K Thunderstorm Wind (G.56)  Muskogee County 2 N Wainwright 17 2240CST 0 0 0 5 K Thunderstorm Wind (G.56)  Muskogee County 2 N Wainwright 17 2240CST 0 0 5 K Thunderstorm Wind (G.56)  Muskogee County 2 N Wainwright 17 2240CST 0 0 5 K Thunderstorm Wind (G.56)  Muskogee County 4 N Wainwright 17 2240CST 0 0 5 K Thunderstorm Wind (G.56)  Muskogee County 4 N Wainwright 17 2240CST 0 0 5 K Thunderstorm Wind (G.56)  Muskogee County 5 K Thunderstorm Wind (G.56)  Muskogee County 7 S W Magoner 17 2240CST 0 0 5 K Thunderstorm Wind (G.56)  Muskogee County 7 S W Wagoner 17 230CST 0 0 5 K Thunderstorm Wind (G.56)		17	2123CST			0	0	0.10K		Thunderstorm Wind
Mayes County 3 N Chouteau 17 2142CST 0 0 0 Hail (0.75)  Mayes County 1 S Pryor 17 2150CST 0 0 0 Hail (1.00)  Mayes County 5 E Pryor 17 2150CST 0 0 0 Hail (1.75)  Okfuskee County Pharoah 17 2208CST 0 0 0 5K Thunderstorm Wind  Okfuskee County Pharoah 17 2210CST 0 0 0 Thunderstorm Wind (G56)  Okmulgee County Begs 17 2225CST 0 0 0 Hail (0.75)  Michotosh County Hitchita 17 2230CST 0 0 0 Hail (0.75)  Muskogee County 4 N Wainwright 17 2230CST 0 0 0 12K Thunderstorm Wind  Delaware County 3 W Jay 17 2231CST 0 0 0 12K Thunderstorm Wind  Delaware County 1 S Schulter 1 7 2238CST 0 0 0 200K Thunderstorm Wind  Muskogee County 1 S Schulter 1 7 2234CST 0 0 0 200K Thunderstorm Wind  Muskogee County 1 S SW Muskoge 1 7 2240CST 0 0 0 20K Thunderstorm Wind  Muskogee County 2 N Wainwright 1 7 2240CST 0 0 0 5K Thunderstorm Wind  Muskogee County 2 N Wainwright 1 7 2240CST 0 0 5K Thunderstorm Wind  Muskogee County 5 SW Muskogee 1 7 2240CST 0 0 5K Thunderstorm Wind  Muskogee County 2 N Wainwright 1 7 2240CST 0 0 5K Thunderstorm Wind  Muskogee County 2 N Wainwright 1 7 2240CST 0 0 5K Thunderstorm Wind  Muskogee County 2 N Wainwright 1 7 2240CST 0 0 5K Thunderstorm Wind  Muskogee County 2 N Wainwright 1 7 2240CST 0 0 5K Thunderstorm Wind  Muskogee County 2 N Wainwright 1 7 2240CST 0 0 5K Thunderstorm Wind  Muskogee County 3 W Jay 4 N Wainwright 4 N Zayoner 5 SW Mainwright 5 SW Muskogee 7 2240CST 0 0 5K Thunderstorm Wind  Muskogee County 7 SE Wagoner 1 7 2240CST 0 0 5K Thunderstorm Wind  N Gleon 1 7 2330CST 0 0 0 5K Thunderstorm Wind  Pittsburg County N Gideon 1 7 2330CST 0 0 0 5K Thunderstorm Wind	· ·									
3 N Chouteau		17	2125CST			0	0			Hail (0.75)
Mayes County 1 S Pryor 1 7 2147CST 0 0 0 Hail (1.00)  Mayes County 5 E Pryor 1 7 2150CST 0 0 0 5K	· ·		** ** ***							TT 11 (0 TE)
1 S Pryor		17	2142CST			0	U			Hail (0.75)
Mayes County 5 E Pryor 17 2150CST 0 0 0 Hail (1.75)  Okfuskee County Pharoah 17 2210CST 0 0 0 5K Thunderstorm Wind  Okfuskee County Pharoah 17 2210CST 0 0 0 Thunderstorm Wind (G56)  Okmulgee County Beggs 17 2225CST 0 0 0 Hail (0.75)  Mcintosh County Hitchita 17 2230CST 0 0 0 Hail (0.75)  Muskogee County 4 N Wainwright 17 2230CST 0 0 0 12K Thunderstorm Wind  Delwaree County 3 W Jay 17 2231CST 0 0 0 Hail (0.88)  Okmulgee County 1 Sokulter 1 T 2238CST 0 0 0 12K Thunderstorm Wind  Muskogee County 1 S Sokulter 1 T 2238CST 0 0 0 200K Thunderstorm Wind  Muskogee County Muskogee County 5 SW Muskogee 17 2240CST 0 0 0 0.10K Thunderstorm Wind  Muskogee County 2 N Wainwright 17 2240CST 0 0 5 SK Thunderstorm Wind  Muskogee County Council Hill 17 2240CST 0 0 5 SK Thunderstorm Wind  Muskogee County Council Hill 17 2240CST 0 0 5 SK Thunderstorm Wind  Muskogee County Council Hill 17 2240CST 0 0 5 SK Thunderstorm Wind  Muskogee County Council Hill 17 2240CST 0 0 5 SK Thunderstorm Wind  Muskogee County Council Hill 17 2240CST 0 0 5 SK Thunderstorm Wind  Muskogee County No Council Hill 17 2240CST 0 0 5 SK Thunderstorm Wind  Muskogee County No Council Hill 17 2240CST 0 0 5 SK Thunderstorm Wind  Muskogee County No Council Hill 17 2240CST 0 0 5 SK Thunderstorm Wind  Muskogee County No Alester 17 2330CST 0 0 5 SK Thunderstorm Wind  Mc Alester Nr Gideon 17 2330CST 0 0 5 SK Thunderstorm Wind  West Siloam Springs 17 2350CST 0 0 0 5 SK Thunderstorm Wind			** ** GGT							77 17 (4 00)
S E Pryor	•	17	2147CST			U	U			Hail (1.00)
Okfuskee County Pharoah 17 2208CST 0 0 5 K Thunderstorm Wind Okfuskee County Pharoah 17 2210CST 0 0 0 Thunderstorm Wind (G56) Okmulgee County Beggs 17 2225CST 0 0 0 Hail (0.75)  Mcintosh County Hitchita 17 2230CST 0 0 12K Thunderstorm Wind Muskogee County 4 N Wainwright 17 2230CST 0 0 12K Thunderstorm Wind Delaware County 3 W Jay 17 2231CST 0 0 0 Hail (0.88)  Okmulgee County 1 S Schulter 17 2238CST 0 0 0 200K Thunderstorm Wind Muskogee County Muskogee County 5 SW Muskogee 17 2240CST 0 0 0 0.10K Thunderstorm Wind Muskogee County 2 N Wainwright 17 2240CST 0 0 0 5 K Thunderstorm Wind Muskoge County 2 N Wainwright 17 2240CST 0 0 5 K Thunderstorm Wind Muskoge County Council Hill 17 2240CST 0 0 5 K Thunderstorm Wind Muskoge County Muskogee County Council Hill 17 2240CST 0 0 5 K Thunderstorm Wind Muskogee County Ned Alester 17 230CST 0 0 3 K Thunderstorm Wind Wagoner County 7 SE Wagoner 17 230CST 0 0 5 K Thunderstorm Wind Cherokee County Ned Gleon 17 2330CST 0 0 5 K Thunderstorm Wind Cherokee County Ned Sloam Springs 17 2350CST 0 0 5 K Thunderstorm Wind West Sloam Springs 17 2350CST 0 0 0 5 K Thunderstorm Wind West Sloam Springs 17 2350CST 0 0 0 0.10K Thunderstorm Wind	· ·		21 F0 CCF			•	0			TT 11 (4 EE)
Pharoah	•	17	2150CST			U	U			Hail (1.75)
Okfuskee County	·	15	2200 CCT			0	0	<b>51</b> 7		701 1 4 337 1
Pharoah		17	2208CST			U	U	5K		Thunderstorm Wind
Okmulgee County   Beggs   17   2225CST   0   0   0   Hail (0.75)	· ·	17	2210CCT			0	0			Th 1 Win 1 (CEC)
Beggs		17	2210CS1			U	U			Inunderstorm Wind (G56)
Mcintosh County Hitchita         17         2230CST         0         0         Hail (0.75)           Muskogee County 4 N Wainwright         17         2230CST         0         0         12K         Thunderstorm Wind           Delaware County 3 W Jay         17         2231CST         0         0         200K         Hail (0.88)           Okmulgee County 1 S Schulter         17         2238CST         0         0         200K         Thunderstorm Wind           Muskogee County Muskogee County 5 SW Muskogee         17         2240CST         0         0         20K         Thunderstorm Wind           Muskogee County 2 N Wainwright         17         2240CST         0         0         5K         Thunderstorm Wind           Muskogee County Council Hill         17         2240CST         0         0         5K         Thunderstorm Wind           Pittsburg County Mc Alester         17         2240CST         0         0         3K         Thunderstorm Wind           Wagoner County 7 SE Wagoner         17         2300CST         0         0         0         10         Thunderstorm Wind           Cherokee County N Gideon         17         2330CST         0         0         5K         Thunderstorm Wind	Ç	17	2225CCT			0	0			Heil (0.75)
Hitchita		17	2225CS1			U	U			nan (0.75)
Muskogee County         4 N Wainwright         17         2230CST         0         0         12K         Thunderstorm Wind           Delaware County         3 W Jay         17         2231CST         0         0         Wainwright         4 Hail (0.88)           Okmulgee County         1 S Schulter         17         2238CST         0         0         200K         Thunderstorm Wind           Muskogee County         4 SW Muskogee         17         2240CST         0         0         0.10K         Thunderstorm Wind           Muskogee County         5 SW Muskogee         17         2240CST         0         0         5K         Thunderstorm Wind           Muskogee County         5 W Aginerical Muskogee County           Council Hill         17         2240CST         0         0         5K         Thunderstorm Wind           Pittsburg County           Mc Alester         17         2245CST         0         0         3K         Thunderstorm Wind           Wagoner County         7 SE Wagoner         17         2300CST         0         0         0.10K         Thunderstorm Wind           Cherokee County         N Gideon         17         2330CST	•	17	2220CST			0	0			Heil (0.75)
A N Wainwright		17	2230CS1			U	U			Hall (0.75)
Delaware County   3 W Jay   17   2231CST   0   0   0   Hail (0.88)		17	2230CST			0	0	12K		Thunderstorm Wind
3 W Jay       17       2231CST       0       0       Hail (0.88)         Okmulgee County         1 S Schulter       17       2238CST       0       0       200K       Thunderstorm Wind         Muskogee County         5 SW Muskogee       17       2240CST       0       0       20K       Thunderstorm Wind         Muskogee County         2 N Wainwright       17       2240CST       0       0       5K       Thunderstorm Wind         Muskogee County         Council Hill       17       2240CST       0       0       5K       Thunderstorm Wind         Pittsburg County         Mc Alester       17       2245CST       0       0       3K       Thunderstorm Wind         Wagoner County         7 SE Wagoner       17       2300CST       0       0       0.10K       Thunderstorm Wind         Cherokee County         Nr Gideon       17       2330CST       0       0       5K       Thunderstorm Wind         Delaware County         West Siloam Springs       17       2350CST       0       0       0.10K       Thunderstorm Wind </td <td>8</td> <td>17</td> <td>2230CS1</td> <td></td> <td></td> <td>U</td> <td>U</td> <td>121</td> <td></td> <td>Thunderstorm vvind</td>	8	17	2230CS1			U	U	121		Thunderstorm vvind
Okmulgee County         17         2238CST         0         0         200K         Thunderstorm Wind           Muskogee County         Muskogee County         5 SW Muskogee 17         2240CST         0         0         20K         Thunderstorm Wind           Muskogee County         2 N Wainwright         17         2240CST         0         0         5K         Thunderstorm Wind           Muskogee County         Council Hill         17         2240CST         0         0         5K         Thunderstorm Wind           Muskogee County         Council Hill         17         2240CST         0         0         5K         Thunderstorm Wind           Muskogee County         Melseur County         Council Hill         17         2240CST         0         0         3K         Thunderstorm Wind           Wagoner County         7         2300CST         0         0         0.10K         Thunderstorm Wind           N Gideon         17         2330CST         0         0         5K         Thunderstorm Wind           West Siloam Springs         17         2350CST         0         0         0.10K         Thunderstorm Wind <td>•</td> <td>17</td> <td>2231CST</td> <td></td> <td></td> <td>0</td> <td>0</td> <td></td> <td></td> <td>Hail (0.88)</td>	•	17	2231CST			0	0			Hail (0.88)
1 S Schulter       17       2238CST       0       0       200K       Thunderstorm Wind         Muskogee County       17       2240CST       0       0       0.10K       Thunderstorm Wind         Muskogee County       5 SW Muskogee       17       2240CST       0       0       20K       Thunderstorm Wind         Muskogee County       2 N Wainwright       17       2240CST       0       0       5K       Thunderstorm Wind         Muskogee County       Council Hill       17       2240CST       0       0       5K       Thunderstorm Wind         Pittsburg County       Mc Alester       17       2245CST       0       0       3K       Thunderstorm Wind         Wagoner County       Value       0       0       0.10K       Thunderstorm Wind         Cherokee County       Nr Gideon       17       2330CST       0       0       5K       Thunderstorm Wind         Delaware County       West Siloam Springs       17       2350CST       0       0       0.10K       Thunderstorm Wind	•	1,	2231031			v	v			11an (0.00)
Muskogee County       17       2240CST       0       0       0.10K       Thunderstorm Wind         Muskogee County       5 SW Muskogee       17       2240CST       0       0       20K       Thunderstorm Wind         Muskogee County       2 N Wainwright       17       2240CST       0       0       5K       Thunderstorm Wind         Muskogee County       Council Hill       17       2240CST       0       0       5K       Thunderstorm Wind         Pittsburg County       Mc Alester       17       2245CST       0       0       3K       Thunderstorm Wind         Wagoner County       7 SE Wagoner       17       2300CST       0       0       0.10K       Thunderstorm Wind         Cherokee County       Nr Gideon       17       2330CST       0       0       5K       Thunderstorm Wind         Delaware County       West Siloam Springs       17       2350CST       0       0       0.10K       Thunderstorm Wind		17	2238CST			0	0	200K		Thunderstorm Wind
Muskogee       17       2240CST       0       0       0.10K       Thunderstorm Wind         Muskogee County       5 SW Muskogee       17       2240CST       0       0       20K       Thunderstorm Wind         Muskogee County       2 N Wainwright       17       2240CST       0       0       5K       Thunderstorm Wind         Muskogee County       Council Hill       17       2240CST       0       0       5K       Thunderstorm Wind         Pittsburg County       Mc Alester       17       2245CST       0       0       3K       Thunderstorm Wind         Wagoner County       7 SE Wagoner       17       2300CST       0       0       0.10K       Thunderstorm Wind         Cherokee County       Nr Gideon       17       2330CST       0       0       5K       Thunderstorm Wind         Delaware County       West Siloam Springs       17       2350CST       0       0       0.10K       Thunderstorm Wind			2200051			Ů	Ů	20011		Thunderstorm vvind
Muskogee County         17         2240CST         0         0         20K         Thunderstorm Wind           Muskogee County         2 N Wainwright         17         2240CST         0         0         5K         Thunderstorm Wind           Muskogee County         Council Hill         17         2240CST         0         0         5K         Thunderstorm Wind           Pittsburg County         Mc Alester         17         2245CST         0         0         3K         Thunderstorm Wind           Wagoner County         7 SE Wagoner         17         2300CST         0         0         0.10K         Thunderstorm Wind           Cherokee County         Nr Gideon         17         2330CST         0         0         5K         Thunderstorm Wind           Delaware County         West Siloam Springs         17         2350CST         0         0         0.10K         Thunderstorm Wind	Ç	17	2240CST			0	0	0.10K		Thunderstorm Wind
5 SW Muskogee       17       2240CST       0       0       20K       Thunderstorm Wind         Muskogee County       2 N Wainwright       17       2240CST       0       0       5K       Thunderstorm Wind         Muskogee County       Council Hill       17       2240CST       0       0       5K       Thunderstorm Wind         Pittsburg County       Mc Alester       17       2245CST       0       0       3K       Thunderstorm Wind         Wagoner County       7 SE Wagoner       17       2300CST       0       0       0.10K       Thunderstorm Wind         Cherokee County       Nr Gideon       17       2330CST       0       0       5K       Thunderstorm Wind         Delaware County       West Siloam Springs       17       2350CST       0       0       0.10K       Thunderstorm Wind	_					•	-	**		
Muskogee County       17       2240CST       0       0       5K       Thunderstorm Wind         Muskogee County       Council Hill       17       2240CST       0       0       5K       Thunderstorm Wind         Pittsburg County       Mc Alester       17       2245CST       0       0       3K       Thunderstorm Wind         Wagoner County       7 SE Wagoner       17       2300CST       0       0.10K       Thunderstorm Wind         Cherokee County       Nr Gideon       17       2330CST       0       0       5K       Thunderstorm Wind         Delaware County       West Siloam Springs       17       2350CST       0       0       0.10K       Thunderstorm Wind		17	2240CST			0	0	20K		Thunderstorm Wind
2 N Wainwright       17       2240CST       0       0       5K       Thunderstorm Wind         Muskogee County       Council Hill       17       2240CST       0       0       5K       Thunderstorm Wind         Pittsburg County       Mc Alester       17       2245CST       0       0       3K       Thunderstorm Wind         Wagoner County       7 SE Wagoner       17       2300CST       0       0.10K       Thunderstorm Wind         Cherokee County       Nr Gideon       17       2330CST       0       0       5K       Thunderstorm Wind         Delaware County       West Siloam Springs       17       2350CST       0       0       0.10K       Thunderstorm Wind	Ü									
Council Hill         17         2240CST         0         0         5K         Thunderstorm Wind           Pittsburg County         Mc Alester         17         2245CST         0         0         3K         Thunderstorm Wind           Wagoner County         7 SE Wagoner         17         2300CST         0         0.10K         Thunderstorm Wind           Cherokee County         Nr Gideon         17         2330CST         0         0         5K         Thunderstorm Wind           Delaware County         West Siloam Springs         17         2350CST         0         0         0.10K         Thunderstorm Wind	Ç	17	2240CST			0	0	5K		Thunderstorm Wind
Council Hill         17         2240CST         0         0         5K         Thunderstorm Wind           Pittsburg County         Mc Alester         17         2245CST         0         0         3K         Thunderstorm Wind           Wagoner County         7 SE Wagoner         17         2300CST         0         0.10K         Thunderstorm Wind           Cherokee County         Nr Gideon         17         2330CST         0         0         5K         Thunderstorm Wind           Delaware County         West Siloam Springs         17         2350CST         0         0         0.10K         Thunderstorm Wind	Muskogee County									
Mc Alester       17       2245CST       0       0       3K       Thunderstorm Wind         Wagoner County       7 SE Wagoner       17       2300CST       0       0.10K       Thunderstorm Wind         Cherokee County       Nr Gideon       17       2330CST       0       0       5K       Thunderstorm Wind         Delaware County       West Siloam Springs       17       2350CST       0       0       0.10K       Thunderstorm Wind		17	2240CST			0	0	5K		Thunderstorm Wind
Wagoner County       7 SE Wagoner       17       2300CST       0       0.10K       Thunderstorm Wind         Cherokee County       Nr Gideon       17       2330CST       0       0       5K       Thunderstorm Wind         Delaware County       West Siloam Springs       17       2350CST       0       0       0.10K       Thunderstorm Wind	Pittsburg County									
7 SE Wagoner       17       2300CST       0       0.10K       Thunderstorm Wind         Cherokee County       Nr Gideon       17       2330CST       0       0       5K       Thunderstorm Wind         Delaware County         West Siloam Springs       17       2350CST       0       0       0.10K       Thunderstorm Wind	Mc Alester	17	2245CST			0	0	3K		Thunderstorm Wind
Cherokee County Nr Gideon 17 2330CST 0 0 5K Thunderstorm Wind Delaware County West Siloam Springs 17 2350CST 0 0 0.10K Thunderstorm Wind	Wagoner County									
Nr Gideon 17 2330CST 0 0 5K Thunderstorm Wind  Delaware County  West Siloam Springs 17 2350CST 0 0 0.10K Thunderstorm Wind	7 SE Wagoner	17	2300CST			0	0	0.10K		Thunderstorm Wind
Delaware County West Siloam Springs 17 2350CST 0 0 0.10K Thunderstorm Wind	<b>Cherokee County</b>									
West Siloam Springs 17 2350CST 0 0 0.10K Thunderstorm Wind	Nr Gideon	17	2330CST			0	0	5K		Thunderstorm Wind
······································	<b>Delaware County</b>									
	West Siloam Springs									

Severe thunderstorms moved across eastern Oklahoma during the evening of January 17th. Strong thunderstorm winds caused extensive damage 1 mile south of Schulter. 5 buildings, 2 barns, and 1 trailer were destroyed, 1 trailer was damaged, 1 mobile home was overturned, a roof was blown off a home, and a garage was damaged. The path of damage was about 1 mile long. Strong thunderstorm winds overturned a large travel trailer and caused structural damage to a residence 3 miles southwest of Chelsea. Trees and power lines were also blown down onto State Highway 66 3 miles southwest of Chelsea. Strong winds destroyed a mobile home 5 miles southwest of Muskogee, and a semi was blown off the road near Pharoah.

Thunderstorm winds in Bearden blew part of the roof off a maintenance shop, blew out window panes, and blew shingles off several homes. Strong thunderstorm winds 4 miles north of Wainwright blew the roofs off barns, destroyed outbuildings, downed trees, and blew windows out of pickups. A barn was destroyed by strong winds 2 miles north of Wainwright and also in Council Hill, and strong winds caused roof damage and damaged a barn near Gideon. Strong thunderstorm winds blew the roof off a house on the northeast side of McAlester and downed signs and power lines in Muldrow.

Power lines were blown down onto U.S. Highway 69 3 miles north of Adair, and power lines were also blown down in West Siloam Springs. Trees were blown down near Sequoyah State Park 7 miles southeast of Wagoner, and large tree limbs were downed from Sapulpa to Kiefer and also in Muskogee. Thunderstorm winds gusted to 65 miles an hour in Pharoah and to 60 miles an hour in Leach, 3 miles west of Jay, from Hallett to 10 miles east of Hallett, and in New Prue.

Large hail also accompanied the storms. Golfball size hail fell 5 miles east of Pryor, and quarter size hail fell 1 mile southeast of Drumright, in Broken Arrow, and 6 miles east of Broken Arrow. Nickel to quarter size hail fell in Bixby, and dime to nickel size hail fell at numerous other locations in eastern Oklahoma.

		Time Local/	Path Length	Path Width	Numbe Perso		Estima Dama			January 1996
Location	Date	Standard	(Miles)	(Yards)		Injured	Property	Crops	Character of Storm	
OKZOOL OOZ		- Texas - Beav								
OKZ001>003	17	1100CST	/er		0	0			High Wind (G6	0)
	18 High w	0000CST inds generated	by a strong r	ressure gradi	ent caused si	ustained	winds of 40	) to 50 mp	h with gusts from 50	to 70 mph.
OKZ001>003	-	- Texas - Beav		ressure grad	one outdood of	astanio	······································	to co mp	ii wiiii gusts iroiii ee	.o , op
	17 18	1900CST 0800CST			0	0			Winter Storm	
	Near Bl	lizzard conditio		wn the Oklah	oma panhan	dle. All r	oads out of	Guymon	were closed by 10PM	CST.
OKLAHOMA, Western OKZ024>032-040>043-	,		_	nody Moole	in Clavele	nd Dot	tawatamia	Comino	le - Hughes - Garvin	Миниом
045>053									- Bryan - Choctaw	- Mullay -
	01 02	1200CST 2100CST			0	0			Heavy Snow	
	A stron	ig cold front me							res into the teens and	
		during the after ones near the R							neaviest snow fell in s rn Oklahoma.	outhern Oklahoma
		ere measured, i							and 4 inches in Dura	
		ice formed on i er 175 non-inju							metro area. Forty-tv Oklahoma.	wo injury accidents
OKZ026-028>032- 039>040-042-046-048	Lincoln -	Mcclain - Clev	eland - Pott	awatomie - S	Seminole - H	Hughes -	Stephens -	Garvin -	Pontotoc - Carter -	Atoka
	17	1825CST 2135CST			0	0			Summary Jan 1	17
	were re County Signs, t	eported northea tree limbs, and	st of Washin	ngton in McC	Clain County	y, in Stra	ttford in Ga	arvin Cou	County. Wind speeds nty, and north of Pin Vilson. See following	k in Pottawatomie
G. 1 G .	reports	for further deta	ils and additi	onal reports.						
Stephens County Duncan Copland Arpt	17	1830CST			0	0			Hail (1.50)	
Stephens County 3 S Duncan	17	1832CST			0	0			Hail (1.00)	
Cleveland County Noble	17	1845CST			0	0			Hail (0.75)	
Mcclain County	17	1043031			v	U			Han (0.75)	
4 NE Washington	17	1850CST			0	0			Thunderstorm	Wind (G52)
Lincoln County 5 NE Avery	17	1910CST			0	0			Hail (1.00)	
Atoka County		101 F.CCT							TT 11 (0.55)	
Daisy	17	1915CST 1945CST			0	0			Hail (0.75)	
Garvin County Elmore City	17	1920CST 1930CST			0	0			Hail (0.75)	
Pottawatomie County		1750C51								
4 N Pink	17	1935CST			0	0			Thunderstorm	Wind (G52)
Pottawatomie County 4 N Pink	17	1935CST			0	0			Hail (0.75)	
Lincoln County					•	•			, ,	
3 N Sparks Seminole County	17	1945CST			0	0			Hail (0.88)	
Cromwell	17	1950CST			0	0			Hail (0.75)	
Mcclain County 5 ENE Byars	17	1952CST			0	0			Hail (0.75)	
<b>Pottawatomie County</b>									, ,	
Tecumseh Pottawatomie County	17	1955CST			0	0			<b>Hail</b> (1.75)	
Poorson	17	2020CST			0	0			Hoil (0.75)	

0

Hail (0.75)

Hail (0.75)

2020CST

2020CST

Seminole County 4 W Little

	<u> </u>	<u> </u>		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	41 1100			ATTIOTIC			
		Time Local/	Path Length	Path Width	Number of Persons		Estimated Damage	January 199			
cation	Date	Standard	(Miles)	(Yards)	Killed In	jured	Property Crops	Character of Storm			
KLAHOMA, West	<u>ern, Central a</u>	nd Southeas	<u>st</u>								
Mcclain County Byars	17	2030CST			0	0		Hail (0.75)			
Garvin County Stratford	17	2045CST			0	0		Thunderstorm Wind (G52)			
Seminole County 2 W Wewoka	17	2055CST			0	0		Hail (0.75)			
Carter County											
Wilson	17 Signs w	2100CST ere damaged a	nd a tree wa	s blown onto a	0 a police car.	0	5K	Thunderstorm Wind			
Carter County											
Ardmore	17 A power	2100CST r pole was blow	wn down and	d some busines	o ss signs were o	0 lowned.	3K	Thunderstorm Wind			
Seminole County											
10 E Seminole	17	2114CST			0	0		Hail (0.88)			
Hughes County Lamar	17	2114CST			0	0	15K	Thunderstorm Wind			
		hunderstorm w	vinds topple	d a barn in Lar		U	1310	Thunderstorm wind			
Pontotoc County 2 S Byng	17	2130CST			0	0		Hail (0.75)			
OKZ004>053	- Kingfishe Pottawator Pontotoc - 17 18	er - Logan - Pa mie - Seminol Coal - Cotton 2130CST 1800CST	ayne - Beck e - Hughes ı - Jeffersor	tham - Washi - Harmon - G n - Carter - Jo	ta - Caddo - C Freer - Kiowa Ohnston - Atol O	Canadia - Jacks ka - Pus 0	n - Oklahoma - L on - Tillman - Cor hmataha - Love - 3.2K	- Roger Mills - Dewey - Custer - Blaii incoln - Grady - Mcclain - Cleveland nanche - Stephens - Garvin - Murray Marshall - Bryan - Choctaw High Wind (G45)			
							nary 17th. Strong ty with gusts as hig	gradient winds with and behind the frogh as 52 mph.			
	winds, to	The strong winds began with frontal passage and continued until early evening on the 18th. During the almost 24 hours of hig winds, tree, sign, and other property damage was widespread across western and central Oklahoma.  Reports of downed business signs and uprooted trees were received from Norman in Cleveland County, Ponca City in Kay County.									
			_				m Norman in Clev vard in Woodward	• • • • •			
	Semi-tru	icks were blow	vn over in El	lk City, Clinto	n, and Cordell	in Beck	ham, Custer, and V	Vashita Counties.			
	of a gro County,	cery store, how the front porti	used in a motion of the ro	etal building, of was blown	was taken off off of a bank.	and blo In Hug	own into a neighborghes County, high	me. In Okeene in Blaine County the roring business. In Canton, also in Blai winds toppled a metal barn in Lamar. s, resulting in about \$2200 in damage.			
Seminole County 6 N Konawa	17	2135CST			0	0		Hail (0.75)			
OKZ004>053	Harper - V - Kingfishe Pottawator Pontotoc - 18	Voods - Alfalf er - Logan - Pa mie - Seminol Coal - Cotton 0200CST	ayne - Beck e - Hughes	tham - Washi - Harmon - G	Woodward - I ta - Caddo - C reer - Kiowa	Major - Canadia - Jacks	n - Oklahoma - L on - Tillman - Coi	- Roger Mills - Dewey - Custer - Blain incoln - Grady - Mcclain - Cleveland nanche - Stephens - Garvin - Murray Marshall - Bryan - Choctaw Extreme Cold			
	resulting		s. Low temp	peratures fell i	into the single	digits a		remained over the state through the 200 res rose only to around 20 degrees on t			
	early on	the 18th.		• •	-			ainst a north-facing wall in Midwest C n an unheated shack in Oklahoma Ci			
01/7013	M56OT	, M51OU	uiso uic	a or hypother	on the 20	, WIIC	took feruge f	amence shack in Oktanolila Ci			
OKZ012	Garfield 28	1700CST 1900CST			0	0	0.50K	High Wind			
	High wi		trong arctic	cold front blev	v down a tree (	2 miles v	west of Billings and	d downed tree limbs in Enid.			
OKZ017	Blaine						and an analysis and				
	28	1700CST 1900CST			0	0	10K	High Wind			
	High wi parking	inds behind a s	strong arctic	cold front ble	ew down a lar	ge Pizza	Hut sign in Wato	nga. The sign fell on a car parked in t			

parking lot.

		Time	Path Path	Path	Number of		Estimated		January 1996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Person Killed I		Damage Property	Crops	Character of Storm
OKLAHOMA, Wester	n, Central an	d Southeast							
OKZ022	Washita								
	28	1900CST 2100CST			0	0	1K		High Wind
	High win	ds behind a stro	ong arctic c	old front blev	v down at leas	st one bu	siness sign i	n Canute	
OREGON, Central and	<u>l East</u>								
	NONE P	EDODTED							
OREGON, Northwest	NONE R	REPORTED.							
ORZ010	Columbia B	Basin Plateau							
	03	1800PST			0	0			Heavy Snow
	04 Heavy en	0800PST ow hit portions	of the Col	umbia Bacin (	vernight with	1 1 to 5 is	nches of sno	w at Pilot	t Rock
Clackamas County	Heavy sir	ow int portions	of the Cor	uiiioia Dasiii (	overingiit witi	14 10 3 11	nenes of sho	w at 1 Ho	I ROCK.
Carver	15	0300PST			1	0		0	Thunderstorm Wind
	A -4	0500PST		W		41	A 1:	- C - 4	
									g and severe thunderstorms developed 61 mph at Sea Lion Caves. Sustained
									d winds of 40 mph occurred at Newport
									l blew a tree onto a trailer home, killing
			•		•	•			homes were destroyed. Lightning and
		Clackamas Co			istomers in P	ornana a	ina power ia	mures m	Tillamook. Lightning damaged a fire
Lincoln County									
Lincoln City	15	0300PST			0	0	1.5M		Thunderstorm Wind
Dolly Country		0500PST							
Polk County Dallas	15	0300PST			0	0			Thunderstorm Wind (G74)
Lane County	10	0500151			v	Ů			manaerstorm vyma (371)
Sea Lion Caves	15	0300PST 0500PST			0	0			Thunderstorm Wind (G53)
Lincoln County									
Yaquina	15	0300PST			0	0			Thunderstorm Wind (G40)
T: 1.0 4		0500PST							
Lincoln County Newport	15	0300PST			0	0			Thunderstorm Wind (G35)
14cwport	13	0500PST			U	U			Thunderstorm wind (G33)
ORZ003	Southern O	regon Coast							
	15	0300PST 0500PST			0	0			High Wind (G61)
ORZ001	Northern O	regon Coast							
	15	0300PST			0	0			High Wind (G36)
	g 41 0	0500PST							
ORZ003	Southern O	regon Coast 0300PST			0	0			High Wind (G50)
	13	0500PST			U	U			Ingii Wiliu (G30)
ORZ006	Northern C								
	15 16	1600PST 0800PST			0	0			Heavy Snow
			stem conti	nued to feed	moisture into	the Casc	ade Mounta	ins, resul	ting in heavy snow. 11 inches of snow
	fell at Mt	. Hood Meadov	ws and Ben	nett Pass. 16	inches of sno	w fell at	Lake of the	Woods.	,
ORZ009	South Centr								
	16	0000PST 2000PST			0	0			Heavy Snow
	Moisture from a Pacific storm system pushed into South Central Oregon producing Areas of heavy snow. 13 inches to 15 inches of								
		in the Chiloqui		-		_			•
ORZ004-009-011	Willamette	Valley - South	Central -	Northeast M	lountain Are				
	16 18	1200PST			0	0			Ice Storm
			gh the Coli	ımbia River (	Gorge with ov	errunnin	g moisture c	reated fre	ezing rain with heavy accumulations of
ORZ004-009-011	snow fell Willamette 16 18 Cold air f	in the Chiloqui Valley - South 1200PST 0800PST unneling throu	in area with  Central -  gh the Colu	10 inches at Northeast M mbia River C	Rocky Point  Iountain Are  0  Gorge with over	and 9 inco as 0 errunning	ches at Lorel	la. reated fre	·

Cold air funneling through the Columbia River Gorge with overrunning moisture created freezing rain with heavy accumulations of glaze ice in the Gorge, Northern Cascades and extreme eastern Portland metropolitan area. Scattered power outages resulted as well as numerous minor traffic accidents. Light amounts of freezing rain were reported in the Willamette Valley as far south as Eugene.

		Time	Path	Path	Number of	of	Estimated		January 1996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons		Damage	Character of Storm	January 1990
OREGON, Northwest			(,	(1)		,			
ORZ002	Central Ore 17 18	egon Coast 1500PST 1800PST			0	0		Flood	
	hour peri		were damaged	d in the floo	ding. Mudslide			where up to 8 inches e rains. Mudslides d	
ORZ006-008>009-013						n Cascades 0	And Siskiyou	Mountains Heavy Snow	
	Moisture fell at Sar	from a Pacifi ntiam Pass,13	inches at Cra	iter Lake, ar	d 12 inches at	Bennett Pas	0 1	heavy snow. In the ne. In Eastern Orego Falls.	
ORZ001>003	Northern O 18	regon Coast 0500PST 2200PST	- Central Or	egon Coast	- Southern O	regon Coas 0	t	High Wind (G	86)
	the morningusts of 7	ing of the 18t 0-80 mph, Ti	h and continu llamook gusts	ie through the to 73 mph,	ne evening. O Netarts guste	ceanside had to 72 mph	d gusts to 99 m	. Strong winds beging the ph, Newport gusts to aves gusted to 69 mg	o 95 mph, Waldport
ORZ001-004-007	18	0800PST 2000PST			olumbia Gorgo 0	0		Heavy Snow	
	Willamet River wit	te Valley, 3 in h 5 inches at 0	nches fell at I Cascade Lock	Dallas, with				Gorge producing 1 to Columbia Gorge 8	
ORZ004>005	18	Valley - Sout 0900PST 2000PST			0	0		High Wind (G	,
							vs of western Or -50 mph with gu	regon. Salem had wasts to 60 mph.	ind gusts to 66 mpl
ORZ011>012	Northeast M 18 19	Iountain Are 1000PST 0400PST	eas - Southea	st	0	0		Heavy Snow	
	19th. Heavy sn							orning and continued of 6 inches at Auston	•
ORZ007	Columbia G 18	Gorge 2000PST			0	0		Heavy Snow	
					ld air trapped in and Parkdale.	n the Colum	bia Gorge. This	s produced heavy sno	ow in the east end of
ORZ011	Northeast N 18 19	Iountain Are 2200PST 0400PST	eas		0	0		High Wind (G	55)
ORZ006-008>009-011-	winds of	45 mph with §	gusts to 63 mj	ph. Trees w	ere blown over	portions of	highway 204.	ortheast Oregon. Jonern Cascades And	•
013	Mountains 20 21	0600PST 0600PST	eth Central	Bouth Cen	0	0	n m cas - gour	Heavy Snow	Siskiyou
	A very m plateau of inches at Over the	noist Pacific s f central Oreg Crater Lake. central platea	gon. 28 inche In the Easter u 8 inches fel	es fell at Wi rn Mountain I at LaPine a	llamette Pass, as, 12 inches fe and 6 inches at	22 inches at all at Meach	Santiam Pass,	ountains of eastern C 21 inches at Govern Tollgate and 6 inch	ment Camp, and 12
ORZ002>003	20 21	egon Coast - 1 1200PST 0600PST		J	0	0 ha Oragon	poagt Sog Lion	High Wind (G	,
ORZ001	sustained	•	-	-	h at Cape Arag	_	oasi. sca Lion	Caves has wind gu	ore to oo mbii, witt
	23 24	1600PST 0800PST	er system sp	read heavy	o snow into the	0 coast moun	tains of northw	Heavy Snow estern Oregon. 8 i	nches fell at Sunset
ORZ006-008>009-	Summit a Northern C	nd 6 inches for ascades - No	ell at Wilson	River Summ	it.			neast - Southern Ca	
011>013	Siskiyou Mo 23 24	ountains 1600PST 0800PST			0	0		Heavy Snow	

		Time Local/	Path Length	Path Width	Number Persor		Estimated Damage		January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed I	njured Prope		Character of Storm	
OREGON, Northwest	high plat inches at Camp. Lakeviev	eau of central Diamond Lak In the high pl	and southea te, 12 inches ateau area 2 Jordan Valle	st Oregon. I at Mt. Hood 1 to 25 inch by and 4 inch	n the Cascad Meadows and nes fell at Ch	es 25 inches for l Bennett Pass iloquin, 10 in	ell at Crater La s, 11 inches at a ches at Klama	es, mountains of easter ake, 24 inches at Lake Fimberline and 10 inche ath Falls, Adel and La ern Oregon 12 inches to	of the Woods, 18 es at Government Pine, 8 inches at
ORZ006-011-013	24 25	1600PST 0800PST			0	0	Siskiyou Mo	Heavy Snow	10: 1
	Santiam		nches at Diar					ow fell at Willamette P es fell at Spout Springs	
ORZ011	25 26	Mountain Arc 1600PST 0800PST			0	0		Heavy Snow	
	Heavy sı Creek.	now continued	over the mo	ountains of ea	astern Oregor	. 6 inches fell	at Ladd Cany	on, Canyon Mountain,	Seneca and Long
ORZ003		Oregon Coast 1300PST 0000PST			0	0		High Wind (G51	)
077004 000 010		U	Ü		_		ach gusts to 59		· .• .
ORZ006-008>013		Cascades - No Cascades And 0000PST 1800PST			tral - Colum 0	bia Basin Pla 0	teau - Northe	ast Mountain Areas - S Heavy Snow	Southeast -
	10 inche Chemult 6 inches and Boar	s at Santiam I, 6 inches at B fell at Burns. dman, and 4 i	Pass and Greend, Sisters, In the Columnches at Irrig	en Springs. Maupin, Gilo abia Basin 8 on. In the m	Across centra crist. In south inches fell at	l Oregon, 9 in east Oregon Milton-Freew	ater, 7 inches r	scades 14 inches fell at hiloquin, 8 inches at La near Pendleton, 6 inches ches at Tipton.	Pine, 7 inches at
ORZ004-007	Willamette 27	Valley - Colu 0300PST 1600PST	mbia Gorge	,	0	0		Heavy Snow	
	Willame	ressure system	Columbia C					low level air from th Hillsboro and Gladston	
ORZ006-011-013	Northern (	Cascades - No 0000PST 0000PST	rtheast Mou	ntain Areas	- Southern 0	Cascades And 0	l Siskiyou Mo	untains Heavy Snow	
	Moisture at Timbe							f Oregon. In the Casca ntains 9 inches fell at A	
ORZ011	29	Mountain Arc 0600PST 1800PST			0	0		Heavy Snow	
ORZ007	Snow co Columbia (		in the mount	ains of north	east Oregon.	Additional Ac	ecumulations o	f 6 inches fell at Austin	and Tipton.
	29	1600PST 1800PST			0	0		Heavy Snow	
	inches at	Parkdale.	•		Columbia G	orge with mor	e snow falling	there. 6 inches fell at	The Dalles, and 4
ORZ004-006	Willamette 31	Valley - Nort 0000PST 2359PST	thern Casca	des	0	0		Flood	
	Heavy ra and a fev		Pacific storm	system caus	sed 3 rivers in	the Willamet	te Valley to o	verflow causing minor	flooding of fields
OREGON, Southeast									
	NONE I	REPORTED.							
OREGON, Southwest									
OREGON, Southwest	NIONIE	REPORTED.							

NONE REPORTED.

			and C	musu	<u> </u>		1 110110		
	Б.	Time Local/	Path Length	Path Width	Number of Persons	3	Estimated Damage		January 199
ecation	Date	Standard	(Miles)	(Yards)	Killed In	jured P	roperty Crops	Character of Storm	
PENNSYLVANIA, Cer PAZ004>006-010>011- 018>019-037-041>042- 045>046-049>050-	Warren - N						ern Centre - Tioga rland - Columbia	a - Northern Lycomir	ng - Sullivan -
052>053	02	1200EST			0	0		Heavy Snow	
	03	1200EST	1	C 41	. 1D 1		11 4 4 4	•	C 11 C
PAZ012-018>019- 024>028-033>036-042- 045>046-049>053- 056>059-063>066	Bradford Northern ( Bedford - 1	l and Kane Eas C <mark>linton - Nort</mark> F <mark>ulton - Fran</mark> l	st to Couders hern Centro klin - Sulliva	sport, with bet e - Southern an - Southern	tween 6 and 10 Centre - Cam n Clinton - So - Schuylkill - 1	) inches fa abria - Bla outhern L Lebanon	alling from State C air - Huntingdon ycoming - Union	turnpike. A foot of no ollege to Williamsport - Mifflin - Juniata - S - Snyder - Montour - Adams - York - Lanca	Somerset -
	07 08	0800EST 0800EST			0	0		Blizzard	
PAZ019-026>028-	central r new sno continue were but was repo and was flood.	mountains from w. The storm and into the earl ried under the corted near Harr to set the stag	n Johnstown was approprially morning of heavy snow. risburg, Lanc ge for the Gr	and State Co riately termed of the 8th. Tr New snow o caster, Lebano reat Flood on	llege east to Wather Blizzard ansportation a of 38 inches was and York. The 19th. De	Vilkes-Bar of '96. S and comm as reporte The storm tails of th	rre. Parts southerr Snow began falling erce came to a haled in southern Yorl had a major impact the economic impact	ey with 12 to 18 inches a York County had in or g during the morning of it as cities of south cer a County at Glenville. ct on commerce across to are included with the	excess of 3 feet of January 7th an antral Pennsylvan Two feet or mo south central Pa e summary of the
035>036-041>042-046- 049>053-056>059- 063>066		yder - Monto	0				•	- Lebanon - Cumber	
	12 13	1000EST 0100EST			0	0		<b>Heavy Snow</b>	
P.M. J.G.	Snow be Susqueh across as	egan falling a anna Valley d	cross the lo luring the af	wer Susqueh ternoon. Nea	anna Valley sarly a foot of a	south of i	Harrisburg during v fell in Harrisbur	than 5 days after the b the morning and spr g, and snow in excess alling at 2 to 3 inches	read north up to
Bedford County Countywide	19	0630EST 1800EST			1	0		Flash Flood	
							ed when her husbar was rescued dowr	nd made two attempts astream. F62VE	to cross a flood
PAZ034	Bedford								
	19 20	0630EST 1200EST			0	0		Flood	
Somerset County	20	1200151							
Countywide	19	0700EST			0	0		Flash Flood	
Warren County		1800EST							
Countywide	19	0700EST			0	0		Flash Flood	
PAZ004-033	Warren - S	1800EST Somerset							
1112001 000	19	0700EST			0	0		Flood	
Culling County	20	0800EST							
Sullivan County Countywide	19	0730EST 1800EST			0	0		Flash Flood	
PAZ042	Sullivan								
	19 20	0730EST 0300EST			0	0		Flood	
Blair County	20	0300131							
Countywide	19 T	0800EST 1800EST		0 1	1	0	la de la la	Flash Flood	1 . 4 17
	male wa Juniata l	is walking hor River. Rescue	me from a st attempts by	tore near Gee jet ski and he	eseytown wher licopter failed	n he was when the	trapped by rising youth was unable	nd the second a heart water on the Franksto to hold onto a rope in ied of a heart attack. M	own branch of the ice cold wat
Cambria County Countywide	19	0800EST 1800EST			0	0		Flash Flood	
Centre County	19	0800EST							

		Time Local/	Path Length	Path Width	Number Persor		Estimated Damage		January 1996
Location	Date	Standard	(Miles)	(Yards)		injured	Property Crops	Character of Storm	
PENNSYLVANIA, Cer	<u>itral</u>								
Clearfield County									
Countywide	19	0800EST 1800EST			0	0		Flash Flood	
Elk County		1000E31							
Countywide	19	0800EST			0	0		Flash Flood	
		1800EST							
Fulton County									
Countywide	19	0800EST 1800EST			0	0		Flash Flood	
<b>Huntingdon County</b>		1000251							
Countywide	19	0800EST			0	0		Flash Flood	
Malarasa Cassadas		1800EST							
Mckean County Countywide	19	0800EST			0	0		Flash Flood	
Countywide	19	1800EST			U	U		Flash Flood	
<b>Potter County</b>									
Countywide	19	0800EST			0	0		Flash Flood	
Surdan County		1800EST							
Snyder County Countywide	19	0800EST			1	0		Flash Flood	
county wide		1800EST							
			•	•	•			ome during evacuation	n of people near
	Selinsgi	rove. He later a	ttempted to l	eave by auto	and was swe	pt away.	. M75VE		
Tioga County	10	OCOOFET			0	0		Flash Flash	
Countywide	19	0800EST 1800EST			U	U		Flash Flood	
Union County									
Countywide	19	0800EST			0	0		Flash Flood	
PAZ005>006-010- 017>019-024>026-035- 037-049>050	Mckean - Union - Sr		Clearfield - I	Northern Ce	ntre - South	ern Cen	ntre - Cambria - Blai	r - Huntingdon - Ful	ton - Tioga -
	19	0800EST			0	0		Flood	
	22	0900EST							
Adams County Countywide	19	0900EST			0	0		Flash Flood	
County wide	19	1800EST			U	U		riasii rioou	
<b>Cameron County</b>									
Countywide	19	0900EST			0	0		Flash Flood	
Clinton Country		1800EST							
Clinton County Countywide	19	0900EST			0	0		Flash Flood	
county wide	17	1800EST			v	Ü		Tush Tioou	
Columbia County									
Countywide	19	0900EST 1800EST			0	0		Flash Flood	
<b>Cumberland County</b>		10001251							
Countywide	19	0900EST			1	0		Flash Flood	
•		1800EST							
	abandor	ned his car in th	e water and	was on foot	when he fell	through		roud a barricade nea of a flooded roadway	
Franklin County					_				
Countywide	19	0900EST 1800EST			0	0		Flash Flood	
Juniata County		1000E31							
Countywide	19	0900EST			4	0		Flash Flood	
	Four de males in	1800EST aths occurred in three separate	cars were u	nable to cross	ect result of the S Tuscarora C	he flood Creek be		Friday the 19th. Two Pleasant View due to	
					-				

0900EST 1800EST Six people died in Lycoming County along Lycoming Creek on Friday the 19th. A husband and wife age 77 and 75 were swept away when they tried to drive away from their home in rural Trout Run early in the afternoon. A 68 year old man was last seen in the late morning before he tried to drive away from his hunting cabin at March Hill near Bodines. A 54 year old man attempted to climb to the roof of his trailer and a 38 year old woman fell from the roof of her mobile home in Cogan Station. A 59 year old woman slipped off the roof of her truck that stalled in the water on Lycoming Creek Road in Williamsport. M77VE, F75VE, M68VE, F38MH, M54MH, F59VE

0

Flash Flood

**Lycoming County** 

Countywide

19

		Time	Path	Path	Numb Pers		Estimated		January 1996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Damage Property Crops	Character of Storm	
PENNSYLVANIA, Cent	<u>tral</u>								
Mifflin County									
Countywide	19	0900EST 1800EST			0	0		Flash Flood	
Perry County									
Countywide	19	0900EST 1800EST			0	0		Flash Flood	
<b>Montour County</b>									
Countywide	19	0900EST 1800EST			0	0		Flash Flood	
Northumberland County									
Countywide	19	0900EST 1800EST			0	0		Flash Flood	
PAZ011>012-027>028- 036-041-045>046- 051>052-056-063>064		Northern Clin Northumberla					n Lycoming - Soutl	nern Clinton - South	ern Lycoming -
	19 22	0900EST 0800EST			0	0		Flood	
Franklin County									
Fayetteville	19	0940EST 0945EST			0	0	500K	Thunderstorm	Wind
	damage	d. High winds	ahead of and	d along a stro	ong cold fro	ont were a		nomes in Southhampt nuch of the rapid mel across the state.	
Dauphin County									
Countywide	19	1000EST 1800EST			0	0		Flash Flood	
Lancaster County									
Countywide	19	1000EST 1800EST			0	0		Flash Flood	
Lebanon County									
Countywide	19	1000EST 1800EST			0	0		Flash Flood	
Schuylkill County									
Countywide	19	1000EST 1800EST			0	0		Flash Flood	
York County									
Countywide	19	1000EST 1800EST			0	0		Flash Flood	

Nearly all of Pennsylvania experienced a flood of unusual magnitude beginning in the early morning of Friday January 19, 1996 with rapid flooding of headwater basins of western PA and ending as major flooding along the rivers of the state on the 20th through the 21st. Two major snowstorms set the stage for the great flood. The snow storm of January 7-8 had been termed the Blizzard of '96 and was followed by a second major storm on January 12-13. Overnight on the 18th and through the morning of the 19th, heavy rain fell atop snow that had been ripened exceptionally rapidly by high winds and warm temperatures. In many areas flooding was as bad as flooding from Hurricane Eloise of 1975, and in a few spots even worse than record floods of Agnes in 1972.

In the hardest hit areas of central Pennsylvania, 14 deaths were directly attributed to the flooding. Estimates of damages from the combined flood and the prior weeks blizzard (that set the stage for the flood) totaled \$700 million for the state. An estimated \$760 million was also lost to commerce over the two weeks. PENNDOT further estimated damage to roads and bridges of \$500 million. Flood damage figures included damage to more than 51,000 homes (7,731 with major damage or destroyed), 1,900 business, 1,426 roads and 78 parks. More than 200,000 people were evacuated at some time during the event.

On of the hardest hit areas was along Lycoming Creek north of Williamsport in Lycoming County where 6 deaths were confirmed. Stream levels in Lycoming County exceeded record levels set during Agnes. In Elk county flood levels on the Clarion River also exceeded levels from Agnes.

Many locations had in excess of 2 inches of rain, with the hardest hit receiving 3 inches in less than 12 hours. Snowpack held water equivalents of 2 to 4 inches across much of the region from the severe January snowstorms, and much of the water was released during the period of heavy rain. Even major rivers and streams reacted quite rapidly, and ice jams caused significant problems in many areas.

Many of the deaths were in stranded automobiles that people drove into floooded areas. A combination of strong winds, temperatures that fell into the teens and ice cold waters meant there was little time to rescue people caught in the flood.

PAZ058>059-065>066	Schuylkill	- Lebanon - York - Lancaster			
	19	1000EST	0	0	Flood
	23	0400EST			
Schuylkill County					
Ringtown	24	1100EST	0	0	Flash Flood
_		1300EST			

		Time Local/	Path Length	Path Width		ber of sons	Estima Dama			January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	

#### PENNSYLVANIA, Central

Heavy rains spread east across southern Pennsylvania causing minor problems across the southern tier counties. In Schuylkill County rains in excess of 1 1/2 inches caused flooding of basements in Ringtown.

Cambria County
Johnstown

27 0930EST

0 0 0 0.10K

Thunderstorm Wind

Mckean County

Bradford Airport to Mt Jewett

0 0 0 Thunderstorm Wind

High winds struck county wide taking down trees and powerlines around Bradford, Mt. Jewett and along route 219.

**Elk County** 

Highland Corners 27 1008EST 0 0 Thunderstorm Wind 1009EST

High winds struck across the area taking down trees in Elk and Cambria Counties.

#### PENNSYLVANIA, East

PAZ054>055-062

Carbon - Monroe - Northampton

A low pressure system developed over the Gulf Coast States on the 2nd and moved through New Jersey on the 3rd. The storm produced heavy snow over parts of the Lehigh Valley and most of the Poconos throughout most of the day on the 2nd. Its close proximity to the rest of Southeast Pennsylvania changed the snow to rain.

Snowfall accumulations averaged around 6 inches in Northampton County and 6 to 8 inches in the Poconos. Lighter accumulations (2 to 4 inches) occurred throughout the rest of the Lehigh and Schuylkill Valleys and the far northwestern Philadelphia Suburbs.

Since this storm coincided with the first work day of the new year, many accidents occurred. In Northampton County alone there were four accidents with injuries. There were no reported deaths.

#### PAZ054>055-060>062-067>071

Carbon - Monroe - Berks - Lehigh - Northampton - Chester - Montgomery - Bucks - Delaware - Philadelphia

07 0200EST 7 0 19.0M Blizzard 08 1600EST

The Blizzard of '96, the second coined "STORM OF THE CENTURY" of this decade brought record breaking snow to most of Southeast Pennsylvania and paralyzed the region for several days, caused most municipalities to exceed their annual snow budgets during this one storm, caused several building collapses and caused directly or directly 42 deaths and countless injuries. Six persons died of hypothermia, 4 in Philadelphia, 1 in Delaware County and 1 in Lehigh County. Some were homeless persons, but one woman in Allentown accidentally locked herself out of her home. Twenty-nine persons suffered heart attacks and died while shoveling snow, using snowblowers or trying to walk in the deep snow. A Delaware County man died of carbon monoxide poisoning after his vehicle's tail pipe was not cleared of snow. Two persons in Philadelphia also died of carbon monoxide poisoning within their home. A snow-blocked fire hydrant contributed to the death of one person in a Bucks County fire. A Montgomery County man crashed and died in Upper Dublin Township on Pennsylvania State Route 309 when his vehicle struck an overpass. Another Montgomery County man died while he was riding on an inner tube and slid underneath a parked vehicle. The weight of the snow caused the collapse of a greenhouse in Exeter Township and killed one man.

The number of deaths and injuries was reduced by the storm starting before dawn on Sunday with blizzard conditions in full force by the early afternoon. The storm formed in the Gulf of Mexico on the morning of the 6th, moved south of Alabama the evening of the 6th, reached Savannah Georgia the morning of the 7th, Cape Hatteras the evening of the 7th, moved just to the west of the Delaware Bay Buoy the morning of the 8th before reaching the Southern New England Coastal Waters the evening of the 8th. This was a classic a storm track for heavy snow. Precipitation was all snow in Pennsylvania. Snow began falling during the predawn hours on the 7th and became heavy at times during the morning. Blizzard conditions developed during the afternoon and evening as strong northeast winds developed around the intensifying low. There was a lull in the precipitation after midnight on the 8th, before some wraparound snow returned during the daylight hours.

This was a very difficult snow to measure due to the strong winds and powdery nature of the snow. All-time single storm records were set at both the Lehigh Valley International Airport (25.6 inches) and Philadelphia International Airport (30.7 inches). It should be noted the 30.7 inches represents a SNOWFALL ESTIMATE. Due to the considerable blowing and drifting of the snow, the observers at the airport were forced to use a water equivalent/snowfall estimate table. The actual ACCUMULATION was probably less. Snowfall accumulations averaged 20 to 22 inches in Monroe and Carbon Counties, around 2 feet in Lehigh and Northampton Counties, 24 to 33 inches in Berks County, 20 to 26 inches in Chester and Delaware Counties, 20 to 30 inches in Montgomery and Bucks Counties and 27 inches in Philadelphia. Other individual accumulations included 33 inches in Ontelaunee Township (Berks), 30 inches in Reading (Berks) and Palm and Souderton (Montgomery), 28 inches in Perkasie (Bucks), 27 inches in Philadelphia (Franklin Institute) and 26 inches in Glenmoore (Chester).

A state of emergency was declared on Sunday the 7th and wasn't lifted until 6 a.m. on Tuesday the 9th. The National Guard assisted the state with snow removals and rescues. Four wheel drive vehicles were used to transport emergency personnel and

		Time Local/	Path Length	Path Width	Number of Persons		Estimated Damage			January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	

#### PENNSYLVANIA, East

patients. Humvees were used to clear the larger drifts that reached as high as 15 feet in Chester County. There was no postal deliveries on the 8th. Some schools were closed the whole week. All major airports were closed. Philadelphia International had one runway open as of 6 pm on the 8th. The Reading Regional Airport was reopened on Tuesday the 9th. The snow was so deep on Philadelphia's side streets that plows were unable to go down them. This problem also affected firefighters. The blocked side streets helped contribute to a fire which cost two Philadelphia families their home. Homeless shelters in Phialdelphia set a new record.

The unprecedented snow also caused numerous building collapses throughout the area, especially in Berks County. Some of the worse ones included the Atlas Roofing Company in Richland Township (Bucks County), the East Penn Manufacturing Company near Lyons (Berks County) and the Penn Crest Gardens Apartments in South Whitehall Township (Lehigh County). Thirty-five residents were evacuated from one building after the roof buckled.

F84OU, M53VE, F60OU, F64OU, M59OU, M50OU, M62OU

PAZ054>055-060>062-067>069 Carbon - Monroe - Berks - Lehigh - Northampton - Chester - Montgomery - Bucks

12 0600EST 1 2 Heavy Snow 2100EST

For the second time within a week heavy snow moved into Southeast Pennsylvania. Fortunately accumulations were lighter than with the preceding blizzard. The storm moved from the Lower Tennessee Valley on the evening of the 11th to eastern North Carolina the morning of the 12th and passed just to the east of New Jersey during the late afternoon of the 12th into Southern New England on the 13th. Snow fell for about a twelve hour period during the day.

Accumulations were seven to ten inches in Monroe and Carbon Counties, four to six inches across the rest of Southeast Pennsylvania except in Delaware and Philadelphia Counties where a quicker change to rain held accumulations to three inches or less. Reading's seasonal accumulation of 70 inches already broke its all-time snow record set just two years ago. Representative accumulations included 10 inches in Jim Thorpe, 8 inches in Long Valley, 6 inches in Allentown, Downingtown, Doylestown, Pottstown and Telford and 3 inches in Manayunk.

The storm caused the hypothermic death of a 90-year-old woman found in the parking lot of the Normandy Farm Estates parking lot in Whitpain Township. Other storm related deaths included two Montgomery County men and two Northampton County persons suffering heart attacks after shoveling snow and a 35 year-old man who skidded into oncoming traffic in Berks County. The eastbound lanes of Interstate 78 were closed for three and a half hours around Allentown. Firefighters in Philadelphia were hampered by snow covered side streets. A fire claimed the lives of two persons.

The storm lengthened the commute around Philadelphia exponetially as 14 major traffic jams were reported. But, the biggest problem came literally from the accumulative effects of two significant snows as building and roof collapses occurred throughout Eastern Pennsylvania. In Wyomissing (Berks County), a woman was hospitalized after snow falling from her roof buried her alive. In Chester County alone there were 18 reported building and/or roof collapses. In Quakertown (Bucks County), another woman was injured as the weight of the snow collapsed four successive porch roofs on Juniper Street. In Whitehall Township (Lehigh County), 60 hockey players were trapped as the roof of the Lehigh Valley Ice Arena collapsed. Two women narrowly escaped injury when the top floor of a vacant Allentown office building collapsed. Other significant collapses (including damage estimates) included the Panther Valley High School Roof (\$ 30K) in Carbon County, The Summer Pavilion (\$ 10K) in Reading, the Clover Farms Muhlenberg Warehouse (\$ 200K) in Berks County, the Serve Pro Coperation Roof (\$150K) in Coopersburg (Lehigh County), the roof of "The Atrium" (\$300K) in Quakertown and the roof of the Rhineland Inn Restaurant (\$70K) in Marlborough Township in Montgomery Township. One person was injured trying to clear the snow from his roof in Chester County.

PAZ054>055-060

Carbon - Monroe - Berks 19 0200EST 0700EST

0 0

**High Wind** 

Strong southerly winds preceding a cold front produced wind damage across the Poconos and Berks County during the early morning hours on the 19th. In Jim Thorpe, 13 tenants needed shelter after the wind blew off a piece of their apartment building's roof. In Monroe County downed trees caused power outages for 2,750 customers. In Berks County 2,000 homes lost power; 1,300 within East Reading as large tree limbs took down power lines.

PAZ061>062-067>071

Lehigh - Northampton - Chester - Montgomery - Bucks - Delaware - Philadelphia

19 0700EST 0 0 High Wind (G58)

Strong south winds preceding and west winds accompanying a cold front caused wind damage throughout Southeast Pennsylvania. Numerous trees and power lines were knocked down. Philadelphia Electric Company (PECO) reported 87,000 customers lost power during the daytime hours, 17,500 within Montgomery County. Power was restored to two-thirds of the customers by 6 p.m.. In Bucks County, the wind peeled the roof from a mobile home. In the Lehigh Valley, about 1,250 homes lost power. Highest reported winds included 58 mph at Philadelphia International Airport, 61 mph at the Lehigh Valley International Airport, 62 mph in Souderton and 67 mph within Philadelphia.

Berks County Countywide	19	1100EST 1900EST	•	0	0	Flash Flood
Carbon County Countywide	19	1100EST 1900EST	(	0	0	Flash Flood

		Time Local/	Path Length	Path Width	Numb Pers		Estima Dama	ated		January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	
PENNSYLVANIA, East										
Monroe County										
Countywide	19	1100EST 1900EST			0	0			Flash Flood	
Lehigh County										
Countywide	19	1100EST 1900EST			0	0			Flash Flood	
Northampton County										
Countywide	19	1100EST 1900EST			0	0			Flash Flood	
Chester County										
Countywide	19	1100EST 1900EST			0	0			Flash Flood	
Montgomery County										
Countywide	19	1100EST 1900EST			0	0			Flash Flood	
<b>Bucks County</b>										
Countywide	19	1100EST 1900EST			0	0			Flash Flood	
Delaware County										
Countywide	19	1200EST 1900EST			0	0			Flash Flood	
Philadelphia County										
Countywide	19	1200EST 1900EST			0	0			Flash Flood	
PAZ054>055-060>062- 067>071	Carbon - l	Monroe - Berk	s - Lehigh - l	Northampto	n - Cheste	er - Mont	gomery - B	ucks - De	aware - Philadelphi	a

19 1900EST 3 3 42.3M Flood 21 1100EST

The combination of snowmelt from the previous week's two storms, unseasonably warm temperatures and an additional one to two inches of rain caused the flash flooding of almost every small stream and significant roadway flooding the afternoon and early evening hours on the 19th. Major flooding of the larger streams and rivers in Pennsylvania continued through the 21st. The flooding caused three deaths, all in Montgomery County, three injuries and about \$50 million dollars in property damage. All of Pennsylvania was declared a disaster area and extra public assistance was given to Northampton, Bucks and Monroe Counties, the hardest hit counties in the Southern Poconos and Southeast Pennsylvania. In many places the Delaware River crested at its highest stage since 1955. Numerous vehicle rescues occurred. The following paragraphs will contain a county by county summary of damages along with specific stage information.

In Carbon County, 17 of 23 townships reported flood damage. In all 365 homes suffered major flood damage and 1,185 suffered minor flood damage. In addition 6 apartment buildings, 13 businesses, 34 roads, 51 sewer lines, 13 electrical systems and 3 parks were damaged by the flooding. Palmerton and Parryville were the hardest hit townships. In Parryville, a mile long culvert was washed out. In Palmerton the flooding along the Aquashicola Creek on the 19th forced the evacuation of about 100 persons along a four block stretch of Delaware Avenue and a two block stretch of Lehigh Avenue. Residents returned to find their basements full of mud. The Lehigh River in Lehighton crested at 12.16 feet at 1 a.m. on the 20th. Flood stage is 10 feet.

In Monroe County, damage was estimated at \$25 million dollars. The county was hit by flooding along the Delaware River in addition to the small stream flooding elsewhere. Three homes were completely destroyed, 134 suffered heavy damage and 1,426 suffered light damage. Six businesses also incurred heavy damage. On the 19th thirty major roadways were closed and two bridges were overrun by water. In Stroudsburg 45 persons were evacuated from the Glenbrook Apartments and 8 people were rescued from the flood waters in Barrett Township. Smithfield Township reported 15 homes suffered flood damage on the 19th. In Mount Pocono, a qurter-mile long road washout occurred. Flooding along the Delaware River caused considerable damage on the 20th in Shawnee and Price's Landing. The 90 year-old Shawnee Inn and Country Club suffered extensive damage. Three hundred Shawnee residents were evacuated. The Delaware Water Gap National Recreation Area suffered \$2 million dollars in damage. The Lehigh River at Stoddardsville crested at 9.64 feet at 930 p.m. on the 19th. Flood stage is 7 feet. The Tobyhanna Creek in Blakeslee crested at 11.67 feet at 1030 p.m. on the 19th. The Delaware River crested at 25.7 feet at 1 a.m. on the 20th. Flood stage is 21 feet.

Berks County escaped with the least amount of damage and the lowest number of water rescues in the area. Ten people were evacuated along the Schuylkill River in Muhlenberg Township. Several homes were damaged. On the 19th a Sinking Spring man died after falling from a roof he was trying to clear of snow. The Schuylkill River in Berne crested at 14.32 feet at 1030 p.m. on the 19th. Flood stage is 12 feet. The river crested at 15.85 feet in Reading at 6 a.m. on the 20th. Flood stage is 13 feet.

In Lehigh County, the heavy rain caused a 75 by 6 foot snow slide in South Whiteland Township which damaged two homes and caused one injury (severed fingers). Adams Island in Allentown was evacuated due to Lehigh River flooding. Pennsylvania State Route 309 was closed in Orefield due to flooding along the Jordan River. The river crested at 9.13 feet in Allentown at 230 a.m. on the 20th. Flood stage is 7 feet. In Allentown firefighters responded to 123 calls of flooded basements, the most in twenty-two years. The Lehigh River at Walnutport crested at 12.3 feet at 9 p.m. on the 19th. Flood stage is 8 feet. In Bethlehem, the river crested at 16.9 feet at 130 a.m. on the 20th. Flood stage is 16 feet.

Northampton County endured the combination of both small stream and significant large river flooding. Long lengths of

		Time	Path	Path Width	Number of Persons	Estimated Damage		January 1996
	_	Local/	Length	WIGHT		Daniage		=
Location	Date	Standard	(Miles)	(Yards)	Killed Injured	Property Crops	Character of Storm	

#### PENNSYLVANIA, East

Pennsylvania State Route 611 were closed due to flooding, river debris and suffered road erosion. Most of the significant flood damage occurred along the Lehigh and Delaware Rivers. In Upper Mount Bethel Township, twelve homes were damaged and hundreds were evacuated. Portland within the township was hard hit as all small streams and the Delaware River flooded the town. Roads were filled with silt, mud and river debris. Two houses were damaged by ice chunks. In Forks Township, 50 homes were damaged and about 50 persons were evacuated. In Easton, flooding was severe near the confluence of the Delaware and Lehigh Rivers. Evacuations were ordered for homes near both rivers. All downtown streets and parks were flooded especially along Larry Holmes Drive. About 50 homes (20 seriously) and three businesses were flooded. The city garage was damaged. A half submerged man was rescued from the Lehigh River Saturday evening the 20th. A state of emergency had to be declared to remove gawkers. In West Easton, two homes suffered flood damage and about 20 persons were evacuated. In Williams Township, 13 homes suffered flood damage. The Lehigh River at Walnutport crested at 12.3 feet at 9 p.m. on the 19th. Flood stage is 8 feet. In Bethlehem, the river crested at 16.9 feet at 130 a.m. on the 20th. Flood stage is 16 feet. The Lehigh River at Walnutport crested at 12.3 feet at 1 pm on the 20th. Flood stage is 20 feet. The river crested at 30.65 feet at Phillipsburg at 4 p.m. on the 20th. Flood stage is 22 feet. For most places the crest along the Delaware was the highest since 1955.

In Chester County, 109 persons in an Avondale apartment were evacuated as the White Clay Creek flooded. Rescues were made from about a dozen homes and trailers along River Band road in west Chester. Seven major roads were closed due to flooding, including the intersection of the two busiest roads in the county, U.S. Route 30 and Pennsylvania State Route 100. Flooding along the Brandywine Creek caused severe damage (\$125,000) in the Brandywine Picnic Park in Birmingham. In all, 324 homes, 52 apartments, 21 businesses, 170 roads and 17 municipal parks were damaged. Five bridges suffered structural damage. The hardest hit communities were Avondale, Coatesville, Downingtown and Lenape. The Schuylkill River at Pottstown crested at 14.91 feet at 1 p.m. on the 20th. Flood stage is 13 feet. The West Branch of the Brandywine Creek in Modena crested at 9.7 feet at 8 p.m. on the 19th. Flood stage is 9 feet. The East Branch of the Brandywine Creek at Downingtown crested at 12.59 feet at 7 p.m. on the 19th. Flood stage is 7 feet. The Brandywine Creek at Chadds Ford crested at 14.21 feet at 1 a.m. on the 20th. Flood stage is 9 feet.

In Delaware County, the Chester Creek in Chester flooded parklands and a bridge. Severe urban flooding caused many water rescues starting at 130 p.m. on the 19th. The Brandywine Creek at Chadds Ford crested at 14.21 feet at 1 a.m. on the 20th. Flood stage is 9 feet. The Chester Creek in Chester crested at 11.20 feet at 5 p.m. on the 19th. Flood stage is 8 feet.

In Philadelphia, flooding along the Schuylkill River caused the worst damage, especially in Manayunk. Main Street in Manayunk was under two to three feet of water with up to 5 feet of water in basements. Kelly, West River and Lincoln Drives were all closed due to river flooding. A mudslide compounded the problems along Kelly Drive. The Schuylkill River in Philadelphia crested at 13.36 feet at Midnight on the 20th/21st. Flood stage is 11 feet. This was estimated as a once in 50 year flood for the river within the city.

All three of the flooding caused deaths occurred within Montgomery County. About 830 p.m. on the 19th a 47-year-old male drove into the flooded Perkiomen Creek at the intersection of Arcola and Level Roads in Lower Frederick Township. He climbed out of the car through the passenger side, but was unable to make it to shore. His body was found on the afternoon of the 20th near a sewage treatment plant. About 1030 p.m. on the 19th, a 41-year-old male moved a blockade and tried to cross a flooded bridge over the Perkiomen Creek between Upper and Lower Providence Townships. His vehicle was swept away. His body was found 1,500 feet downstream the next morning. On the 20th, a 25 year-old man apparently jumped into the Manatawny Creek in Pottstown and drowned. He allegedly had just robbed a convenience store and was trying to run away from the police. There were numerous other rescues within the county including a stranded school bus in Lower Moreland Township and two teenagers rescued from the flooded Macoby and Unami Creeks on the afternoon of the 19th. Ninety persons were evacuated from the Bridgeport Towers along the Schuylkill River in Norristown. Twenty persons were evacuated in Collegeville near the Perkiomen Creek. Within the county 280 homes suffered damage, 50 with major damage. In addition, 85 businesses were flooded and three mobile homes were destroyed. Flooding ripped front porches from homes in Upper Providence Township and a Lower Providence Township home had ten feet of water in it. The hardest hit communities were Bridgeport, Collegeville, Lower Providence, Norristown, Upper Providence and Whitemarsh. The Schuylkill River at Pottstown crested at 14.91 feet at 1 p.m. on the 20th. Flood stage is 13 feet. It crested at 19 feet in Norristown. The Perkiomen Creek in Graterford crested at 16.26 feet at 9 p.m. on the 19th. Flood stage is 11 feet.

Bucks County, like Northampton County suffered from the combination of both small stream and large river flooding with townships along the Delaware River taking the brunt. About 5,000 persons (1,500 in Yardley) from nine communities were evacuated, mainly along the Delaware River from Riegelsville to Yardley on the 20th. A state of emergency was declared at 3 p.m. on the 20th. Seven bridges between Bucks County and New Jersey were closed. River Road, Pennsylvania State Route 32, was clogged with up to four feet of ice chunks and debris (including floating propane tanks) almost along its entire county length. Pennsylvania State Route 611 was also closed in the northern part of the county. A mile-long stretch of ice closed the road near Riegelsville. Homes near the Paunnaccusing Creek were evacuated also as flooding along the Delaware River backed up the creek. One hundred homes in Quakertown were also flooded. Flooding damaged three ball fields in Sellersville. Ice jams along the Neshaminy Creek caused flooding in Croydon and Fergusonville. Yardley, Bridgeton and Tinicum Townships were the hardest hit communities along the Delaware on the 20th. About 65 people were rescued after refusing to evacuate or ignoring barricades. Two were treated for hypothermia. In Yardley, 230 homes suffered flood damage, 79 had major damage and 36 businesses also had flood damage. In New Hope, power was cut off for 28 hours because of the flooding. This village is a very popular tourist attraction and many restaurants' food perished. Waterloo Street was hardest hit. In Tinicum Township, many side

		Time Path Local/ Length		Path Width		Number of Persons		ated age	January 19	
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	

#### PENNSYLVANIA, East

roads were washed out. About 50 to 60 homes had damage exceeding \$1,000,000. About 450 homes throughout the county suffered flood damaged. The Neshaminy Creek in Langhorne crested at 14.98 feet at 1 a.m. on the 20th. Flood stage is 9 feet. Along the Delaware River at Riegelsville it crested at 28.72 feet at 615 pm on the 20th. Flood stage is 19 feet. At New Hope, the river crested at 15.34 feet at 11 p.m. on the 20th. Flood stage is 13 feet. At Trenton, the river crested at 22.19 feet at 130 a.m. on the 21st. Flood stage is 20 feet.

M41VE, M47VE, M25IW

Bucks County 2 NW Bristol

24 1730EST 0 0 Thunderstorm Wind

A severe thunderstorm damaged three homes and one business around "The Crossroads" development in Bensalem. The thunderstorm ripped the roof from a new addition, tore a porch from a house and embedded debris into the third. It also pulled the rubber membrane from the roof of a Drakes factory.

PAZ060>062-069-071

Berks - Lehigh - Northampton - Bucks - Philadelphia

27 0930EST 0 0 High Wind

High winds preceding a cold front caused wind damage across the Lehigh Valley and parts of Southeast Pennsylvania. In Berks County about 4,500 homes lost power. A 4 by 15 foot company sign was blown over in West Reading. Downed trees forced the closure of Pennsylvania State route 10 in Cumra Township. In Lehigh County 4,000 Metropolitan Edison Company homes lost power mainly in the Slate Belt area. In Northampton County, wind gusts reached 60 mph in Williams Township. In Bucks County, tree limbs, trees and wires were reported down in the lower part of the county. A Ford Bronco was crushed by one falling tree. There also was some wind damage in the Quakertown area, especially from 6th to 11th Streets. Throughout the Philadelphia Electric Company (PECO) service area (including Bucks County) about 49,000 homes lost power. Wind gusts reached 60 mph in Northeast Philadelphia.

Monroe County Countywide

27 1130EST 0 0 Flash Flood

Rainfall of up two inches fell over saturated soil and caused flash flooding of smaller streams in Monroe County. Flooding from Marshall Creek caused flooding of houses in East Stroudsburg.

No major damage or injuries were reported. Several residents of apartment buildings in the Stroudsburg area were evacuated. The Bush Kill creek at Shoemakers crested at 7.01 feet at 10 p.m. on the 27th. Flood stage is 6 feet. The Lehigh River at Stoddardsville crested at 7.24 feet at 8 p.m. on the 20th. Flood stage is 7 feet. The Tobyhanna Creek at Blakeslee crested at 10.94 near 1 a.m. on the 28th.

PAZ054-060>062-067>071 Carbon - Berks - Lehigh - Northampton - Chester - Montgomery - Bucks - Delaware - Philadelphia

27 1430EST 1 0 Flood 28 1500EST

Heavy rain (Storm totals of between one inch and one inch and a half) fell over saturated soil for the second weekend in a row and caused flooding of the larger streams and rivers across the Southern Poconos and Southeast Pennsylvania. Fortunately the flooding was not as severe as the previous week. But, a 72-year-old woman drowned on River Road in Upper Makefield Township (Bucks County) at 930 a.m. on the 28th. She apparently drove around three roadblocks and became stuck in the deep flood waters of the Delaware River. Her body was found near the Prickly Pear Restaurant.

Along the Lehigh River, precautionary evacuations occurred in Walnutport, Freemansburg and Easton and on Adams Island. The flood waters tore away a 35 to 45 foot chunk of the Lehigh Canal Towpath in Allentown. In Northampton County, the Bushkill Creek flooded parts of downtown Easton. Pennsylvania State Route 611 was closed along the Delaware River because of flooding. Flooding along the Delaware River also forced other road closures in Harmony Township. In Berks County, flooding along the Schuylkill River forced roadway closures in Tilden and Perry Townships. In Chester County, stream flooding caused many road closures including Pennsylvania State Route 100. In Montgomery County, two elderly Pottstown women were rescued from the flooded Industrial Highway. Other water rescues occurred, mainly from people trying to drive on barricaded roads. Two bridges were closed because of structural damage, the Mather Road Bridge over the Wissahickon Creek in Whitpain Township and the Cedar Hill Road Bridge over Park Creek in Horsham Township. A park was badly damaged by flood waters in Pottstown. In Bucks County, Delaware River flooding forced the closure of River Road/Pennsylvania State Route 32 in Tinicum and Bridgeton Townships and Yardley. Several other road closures occurred in Yardley.

In Carbon County, the Lehigh River at Lehighton crested at 12.57 feet at 9 p.m. on the 27th. Flood stage is 10 feet. In Northampton and Lehigh Counties, the river crested at 11.52 feet

in Walnutport (Flood stage is 8 feet.) at 730 p.m. on the 27th and just below the 16 foot flood stage in Bethlehem. The Monocacy Creek in Bethlehem crested at 6.7 feet. In Lehigh County, the Jordan Creek in Allentown crested at 8.6 feet at 130 a.m. on the 28th. Flood stage is 7 feet. Along the Delaware River, at Phillipsburg it crested at 22.38 feet at noon on the 28th. Flood stage is 22 feet. In Riegelsville, the river crested at 22.28 feet. Flood stage is 19 feet. Along the Schuylkill River, in Berne (Berks County) it crested at 13.91 feet at 930 p.m. on the 27th. Flood stage is 12 feet. It crested at 15.02 feet in Reading at 3 a.m. on the 28th. Flood stage is 13 feet. In Pottstown, it crested at 14.15 feet. Flood stage is also 13 feet. In Philadelphia, it crested at 11.76 feet. Flood stage is 11 feet. The East Branch of the Brandywine Creek at Downingtown crested at 9.05 feet at 6 p.m. on the 27th. Flood stage is 7 feet. Along the main stem of the Brandywine Creek in Chadds Ford, it crested at 9.79 feet at 1 a.m. on the 28th. Flood stage is 9 feet.

F72VE

		Time Local/	Path Length	Path Width	Pers	Number of Persons		ited ige		January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	
DENINGSZENZANIEA EL-A										

#### PENNSYLVANIA, East

Bucks County Countywide

27 1700EST 0 0 Flash Flood 28 0100EST

An additional one to one and a half inches of rain falling over saturated soil caused flooding of smaller streams and road closures in Bucks County. The Neshaminy Creek at Langhorne crested at 10.23 feet at 9 p.m. on the 27th. Flood stage is 9 feet. It was back within banks during the early morning on the 28th.

#### PENNSYLVANIA, Northeast

PAZ038>040-043>044-047>048 Bradford - Susquehanna - Wayne - Wyoming - Lackawanna - Luzerne - Pike

02 2100EST 03 2000EST 0 0 21K Heavy Snow

A major winter storm formed over the Gulf Coast and tracked up the Eastern Seaboard, bringing heavy snow to northeast Pennsylvania. Snowfall amounts of 8 to 12 inches were widely observed.

PAZ038>040-043>044-047>048 Bradford - Susquehanna - Wayne - Wyoming - Lackawanna - Luzerne - Pike

07 1000EST

0 0 140K Heavy Snow

A winter storm brought heavy snow to northeast Pennsylvania as it moved up the East Coast. Snowfall amounts of 6 to 12 inches were common in Bradford County, but further to the east, amounts of one to two feet were observed. As much as 27 inches of

snow fell in Pike County. The 21 inches of snow which fell at the Wilkes-Barre Scranton Airport in Avoca broke the previous record for greatest 24-hour snowfall. That record was 20.5 inches set on November 24-25, 1971.

PAZ038>040-043>044-047>048 Bradford - Susquehanna - Wayne - Wyoming - Lackawanna - Luzerne - Pike

12 1000FST 0

0 0 32K Heavy Snow

A winter storm formed off the coast of North Carolina and moved northward along the Eastern Seaboard. The storm brought a general 8 to 12 inch snow accumulation to northeast Pennsylvania. However, a nearly stationary band of heavy snow dumped as much as three feet of snow in the Northern Tier. In Susquehanna County, Oakland reported 36 inches, Hickory Grove 34 inches, and Montrose 25 inches. In Bradford County, 20 inches of snow fell in Tuscarora.

Bradford County Countywide

19 0530EST 0 0 21.1M Flash Flood 20 0700EST

The most disastrous flood event in more than twenty years struck northeast Pennsylvania from the early morning of the 19th to the evening of the 21st. Significant widespread flooding of streams, rivers, homes and businesses, streets and highways, woodlands, and farmland occurred as a result of rapid snowmelt and nearly simultaneous storm runoff. Every county in northeast Pennsylvania experienced road closures due to washouts, mudslides, and failed, damaged, or weakened bridges. Evacuation of one hundred thousand to one hundred and ten thousand people was ordered at 11 PM on January 19th in Luzerne County (including much of Wilkes-Barre). The Susquehanna River at Wilkes-Barre was forecast to crest at 35 to 36 feet, just below the top of the 37 foot levee. Surrounding areas of the Wyoming Valley, unprotected by the levees, were inundated by runoff, the Lackawanna River, and the Susquehanna River when it crested at 34.42 feet at Wilkes-Barre, well above the 22 foot flood stage. The American Red Cross reported that at the height of the evacuation, only five thousand people were housed in the mass care centers, even though the evacuated areas were like ghosttowns. Nearly every county declared a county-wide State of Emergency with remaining counties having locally declared States of Emergency on January 19th. Most States of Emergency were lifted by late on January 20th. Small-scale evacuations of homes and/or businesses were experienced by many counties within the region.

A strong low pressure system tracked northward across the Great Lakes on the morning of the 19th, bringing mild air into the region on strong southerly winds gusting to 45 MPH. The strong winds played a significant role in eroding the snowpack - snow depths by sunrise on the 19th ranged from only a few inches to bare ground, down from depths of one to two and a half feet the day before! Water equivalents of the eroded snowpack ranged from two and a half to five inches.

During the early morning hours of the 19th, a line of heavy rain showers and embedded thunderstorms developed ahead of a strong cold front. Streams and creeks were approaching bankfull due to runoff from the snowmelt. Rainfall intensified over the region as the front slowed its eastward progress. Rainfall amounts ahead of the front were generally between one and a half and two and a half inches, with many locations receiving rainfall rates of one-half to one inch in an hour. Serious flooding of streams and creeks began across Bradford County during the early morning, and flooding commenced across the remainder of northeast Pennsylvania during the afternoon as the heavy rain moved east. The cold front moved across the region during the afternoon, causing temperatures to drop from the 50s into the 20s, and the rain to change to snow (with some areas receiving a period of sleet and/or freezing rain) in only one to two hours. The rapid drop in temperature that caused standing water to freeze rapidly, in concert with the one to two inches of snow that accumulated in most areas by evening, created very slippery conditions throughout northeast Pennsylvania.

Flash floods that began early on the 19th gave rise to main stem river flooding that persisted through the evening of the 21st Near record river flooding occurred on January 19th and 20th over the upper Susquehanna River basin. At Meshoppen, in Wyoming County, the Susquehanna River crested at its second highest level of all time, at 36.34 feet, which was about seven feet lower than the all time crest of 43.51 feet recorded on June 23, 1972. The 34.42 foot crest at Wilkes-Barre was the third highest on record, well below the 40.91 foot crest recorded on June 24, 1972. On the Lackawanna River at Old Forge, in Lackawanna County, the crest of 15.57 feet on the 19th was the fourth highest on record, well below the highest crest of 20.05 feet recorded on August 19, 1955. Most forecast points had fallen below flood stage by the evening of January 21.

		Time	Path Path		Number		Estima	ted		January 1996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Person: Killed Ir	s njured	Dama Property	ge Crops	Character of Storm	
PENNSYLVANIA,	Northeast									
Susquehanna County Countywide	y 19	0830EST			0	0	9.9M		Flash Flood	
•	20	0800EST			v	Ů	),),i,i		Tush Tiou	
Wayne County Countywide	19	0830EST			0	0	17.9M		Flash Flood	
County wide	20	0800EST			V	U	17.511		Flash Flood	
Lackawanna County Countywide	19	OOOOEST			0	0	19.5M		Flash Flood	
Countywide	29	0900EST 0800EST			U	U	19.5141		Flash Flood	
Luzerne County	10	OOOOTECT			0	0	21 234			
Countywide	19 20	0900EST 0800EST			0	0	21.3M		Flash Flood	
Pike County										
Countywide	19 20	0900EST 0800EST			0	0	23M		Flash Flood	
<b>Wyoming County</b>										
Countywide	19 20	0900EST 0800EST			0	0	20.1M		Flash Flood	
PAZ038>040-043>04		Susquehanna	- Wayne -	Wyoming - 1	Lackawanna	- Luze	rne			
047	19	1130EST			0	0			Flood	
	21	2300EST			v	U			F1000	
PAZ038-047	Bradford - 27	Luzerne 0700EST			0	0	16K		High Wind	
		1500EST							Ü	
									inds to parts of north ties. Winds gusted t	
		Barre Scranton				D1au10	iu aliu Luzo	erne coun	iles. Willus gusteu t	0 03 MFH at the
PENNSYLVANIA,	Northwest		_							
PAZ001>003	Northern E 02	Erie - Souther 1100EST	n Erie - Cra	wford	1	0	210K		Heavy Snow	
	03	1400EST							·	
									ations averaged as lit mph produced signif	
									as the snow piled up	
	days afte	er the storm. A	barn collap	se in westerr	Crawford Co	ounty k	illed 9 dairy	cows and	l injured a number of	others. A 54 year
		bridge Springs men to lift the				fter a la	arge chunk	of ice fell	from a roof and hit	nim in the head. It
PAZ002>003		Erie - Crawfor		ii die oody.	1415 100					
	09 10	0900EST 0900EST			0	0	8K		<b>Heavy Snow</b>	
			now squalls	accumulated	l an average o	of 6 to	8 inches wit	th a maxin	num of 10 inches rep	oorted at Edinboro
	(Erie Co	• /								
PAZ001>003	Northern F 18	Erie - Souther 1820EST	n Erie - Cra	wford	0	0	11K		High Wind (G5	2)
		2300EST			-					
	-	nds ahead of a County, route 9	_		-		mph and do	wned and	number of trees, limb	s, and powerlines.
Crawford County	III Eric C	Jounty, Toute	o was crosed	i ioi a time ii	om downed ti	ccs.				
Meadville	18 19	2320EST 0300EST			0	0			Flash Flood	
Erie County	19	USUUEST								
Union City	18	2340EST			0	0			Flash Flood	
	19 Rains co	0300EST ombined with	warm tempe	eratures and	extensive sno	wmelt	produced f	looding of	low lying areas, sr	nall streams, poor
	drainage	areas, and bas	sements all a	cross northw	est Pennsylva	nia. Ic	e jams contr	ibuted to	some of the flooding	on larger streams.
		ads were repor le (Crawford) a			, Girard, and	Albion	(Erie Coun	ty). Street	and basement floodi	ng was reported in
PAZ001>003		Erie - Souther								
	27	0800EST			0	0	6K		High Wind (G5	0)
	West to	2000EST southwest win	ds gusted to	60 mph afte	r the passage	of a co	old front and	downed	large limbs, trees, an	d power lines in a
	number	of locations.		1	. 6				, , , , ,	•
DENINICATE VANITA	3314									

Mercer - Venango - Forest - Lawrence - Clarion - Jefferson - Indiana

**Heavy Snow** 

1000EST 2000EST

PENNSYLVANIA, West

PAZ007>009-013-015>016-023

		Time Local/	Path Length	Path Width	Numb Perso	ons	Estim Dam	ated age		January 199
ocation	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	
PENNSYLVANIA, Wes	_	r winter storm (	rame through	the Unner (	Ohio Valley	It dumned	d heavy s	now acros	s northern parts of we	stern Pennsylvani
									County 6 inchesJefl	
					sClarion (	County 5-8	inches	Forest Co	unty 6-8 inchesVen	ango County 8-1
DA 7014 0205 022 020		and Mercer Co	•		nonolond					
PAZ014-020>022-030	02	eaver - Alleghe 1000EST	eny - Armsu	rong - westi	noreiana 0	0			Ice Storm	
	03	1500EST	1.1	1 4 77	01: 17:11		,			
	part of s	southwestern Pe	ennsylvania.	Around one	inch of freez	zing rain ar	nd sleet a	ccumulate	y accumulation of ice d across Beaver and A lges of Westmoreland	llegheny Countie
PAZ007-009-013>016-				- Clarion - J	lefferson - l	Beaver - A	llegheny	- Armstr	ong - Indiana - Wash	ington -
020>023-029>032	Westmore 06	land - Greene 1600EST	- Fayette		0	0			Heavy Snow	
	08	1200EST			U	v			neavy Show	
	Pennsyl previous Westmo 8-10 inc	vania. On the 3 record was preland 14-18 in thes, Butler 9 in	7th, a daily r 8.0 inches i nches, Green nches, Arms	ecord snowfa n 1951. Son ne 12-18 inch trong, Lawren	all was reco ne snowfal nes, Indiana nce, and Be	orded at the 1 reports f 10-14 includes aver 8 inch	Pittsburg or count hes, Wash nes, Clario	th Internaties in we nington 9- on and Me	imped very heavy so- ional Airport, when 9 stern Pennsylvania: I 12 inches, Jefferson 8 rcer 6 inches. There w stmoreland County, o	.2 inches fell. The Fayette 17 inches 3-16 inches, Fore vere several death
		l in Allegheny,			_		1 1		•	
Venango County										
Oil City	18	1830EST 2359EST			0	0			Flash Flood	
	to flood	s along Oil Cre ling. The jam	at Oil City	at the mouth	of Oil Cre	ek extende	ed up to	one mile	w-land flooding. Route upstream at the heigh the Allegheny River.	
	Most of		as related to	ce jam flood	ing. A beer	distributor	had a hol	e ripped ii	rs of the 20th before nto a building a beer k	
PAZ030-032		land - Fayette								
	18	2000EST			0	0	15K		High Wind (G5	5)
	Strong.	2315EST gusty winds car	used some da	amage across	the Laurel	Highlands.				
	roof was	s blown off a ga	arage in News s were down	Stanton and	power lines	s were also	downed.	•	were measured up to 6	
Lawrence County	mics we	ore downed in C	omiens vine.							
5 S Bessemer	18	2230EST			0	0			Flash Flood	
	19 An ice i	0300EST am on Sugar C	reek caused i	flood waters t	to rise to 2 f	eet deen or	n Petersbi	ırg Road n	ear the intersection of	Moravia Road
Venango County	1 111 100 )	am on Sugar C	ioon oudood .	nood waters	.0 1150 10 2 1	oct deep of	110101000	ng rioud n	our tire intersection of	
Oil City	19	0000EST			0	0			Flash Flood	
	Floodin	1959EST g between Oil (	City and Rou	seville contir	ued. Other	small stream	ms and cr	eeks went	out of their banks acre	oss the county.
Lawrence County		C	•							Ĭ
New Castle	19	0520EST			0	0	30K		Flash Flood	
	Several	1959EST roads were cle	osed across	the county a	s numerous	small stre	ams floo	ded. Som	e basement flooding	was also reported
		r property dama								•
Allegheny County	40	0.40077977								
Pittsburgh	19	0600EST 1500EST			0	0			Flash Flood	
		small streams							ages were confined in	the vicinity of th
	Alleghe	ny, Monongahe	ela, Ohio, and	d Youghiogh	eny Rivers,	where majo	or river flo	ooding occ	curred.	
<b>D</b> C 4					0	0			Flash Flood	
	19	0600EST			•	•				
Beaver County Beaver Falls	19	0600EST 1959EST								
Beaver County Beaver Falls	Numero	1959EST ous small stream				ross the cou	ınty. Exte	nsive dam	age occurred due to m	najor river floodin
	Numero	1959EST				ross the cou	ınty. Exte	nsive dam	age occurred due to m	ajor river floodin

the Monongahela Rivers, where major flooding occurred.

		Time	Path	Path	Numbe	er of	Estima	ited		January 1996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Perso Killed	ons Injured	Dama Property	ge Crops	Character of Storm	bulldary 1550
PENNSYLVANIA, West	ţ							-		
Greene County										
Waynesburg	19	0600EST 1400EST			0	0			Flash Flood	
	Numerou	is small stream	ns and roads	were flooded	across the c	county.				
<b>Washington County</b>										
Washington	19	0600EST 1400EST			0	0	10K		Flash Flood	
	Numerou		ns and some	roads were fl	ooded acros	s the cou	nty. Some b	asements	were flooded near C	atfish Creek.
Westmoreland County							•			
Ligonier	19	0600EST			0	0	500K		Flash Flood	
	Flash flo	1959EST	extensive da	ımage in Lig	onier where	the Lov	alhanna and	Mills Cr	eeks converge. Seve	ral hasements were
		ded across the				•				
Forest County	40	0.40077677				•	2017			
Tionesta	19	0600EST 1959EST			0	0	20K		Flash Flood	
				s went out of	f their banks	across th	ne county. A	A few base	ements and a few sur	nmer cottages were
Mercer County										
Mercer	19	0600EST 1500EST			0	0	5K		Flash Flood	
					county. The	flooding	had only m	inor econo	omic impact. One pe	rson was evacuated
<b>Armstrong County</b>										
Kittanning	19	0600EST 1959EST			0	0	50K		Flash Flood	
			ns and tributa	aries of the A	llegheny Riv	ver flood	ed. Some ro	ads were a	also flooded and dan	naged and basemen
<b>Butler County</b>										
Harmony	19	0600EST 1959EST			0	0	1.3M		Flash Flood	
	130 hom	e damage occ	_		_				around Harmony are rest of the county,	•
Clarion County Clarion	10	OCOOPERT.			0	0			El-al-El-ad	
Clarion	19	0600EST 1959EST			0	0			Flash Flood	
	Numerou	ıs small strean	ns and some	roads were fl	ooded acros	s the cou	nty.			
Jefferson County										
Brookville	19	0600EST 1959EST			0	0	100K		Flash Flood	
					curred at Rey	noldsvill	e and Brool	cville alon	g Sandy Lick Creek.	Flooding due to ice
Indiana County										
Homer City	19	0600EST 1959EST			0	0	2M		Flash Flood	
	homes su	amage occurre stained substa	antial basem	ent flooding.	Ten homes				ner, and Creekside. A few businesses we	
	_	and a water tre	•		amaged.					
PAZ021-030-032	Allegheny - 19 20	Westmorela 0800EST 1300EST	nd - Fayette		0	0			Flood	
	The You Youghio Youghio mountain Youghio	ghiogheny Ri gheny Reserv gheny immedi s. This rapid	oir provided lately downs runoff result Keesport, rea	some contro tream of the red ed in near red ched nearly 1	ol on the Yourselvoir, car cord flooding 100,000 cubi	oughioghe ried runc g along tl	eny, the uno off from hea he Youghio	controlled vy rain an gheny Riv	in this major flood of Casselman River we described snowmelt from the er. Peak streamflow bunts for the counties	hich flows into the northern Maryland at the mouth of the
	The You at Suters		ver crested a	t 18.6 feet, 6	.6 feet above	e flood st	age at Conr	ellsville a	nd at 28.0 feet, 8 fee	et above flood stage

 $\begin{array}{ccc} Allegheny \text{--} Washington \text{--} Westmoreland \text{--} Greene \text{--} Fayette} \\ 19 & 1000EST & 0 \\ 21 & 0300EST & 0 \\ \end{array}$ 

12.7M

Flood

PAZ021-029>032

•		Time Local/	Path Length	Path Width	Num Per	Number of Persons		ated age		January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	

#### PENNSYLVANIA, West

On the Monongahela River near record flooding occurred at all Pennsylvania forecast points, except where record flooding occurred at Lock 2 Braddock. The crest at Lock 2 actually exceeded the crest during the flood of November 1985 by almost a foot. This was due to the tremendous contribution made by the Youghiogheny River during this particular flood. The crest at Braddock was 29.1 feet, 7.1 feet above its 22 foot flood stage, at 9 am on the 20th. Damage was extensive along the river.

In Greene County, 9 homes, 3 businesses, and 3 trailer courts were affected.

In Fayette County, 499 residences, 55 businesses, 4 churches, 1 fire department, 30 roads, 5 bridges, and 4 sewage plants suffered at least some flood damages. This includes damage along the Youghiougheny River.

Major property losses were reported in Westmoreland County along the Monongahela, Conemaugh, and Youghiougheny Rivers.

In Washington County, over 600 houses and businesses were affected by flooding.

Devastating damage occurred in Allegheny County. Damage occurred along the Allegheny, Ohio, Youghiogheny, and Monongahela Rivers.

Twenty-two autos were submerged in icy waters on the Allegheny River in Pittsburgh. Many pleasure boats and barges broke their moorings and drifted downriver and some fell over Lock and Dams or broke up on bridges. Area bridges and marinas sustained damage. Approximately 650 buildings were damaged. Many downtown Pittsburgh buildings sustained extensive basement flooding. The Point State Park Museum was flooded with 4 and one-half feet of water. The fountain at the park was also damaged. The Allegheny County Sanitary Authority had to shut down its sewage treatment plant that serves 113 communities. Several hundreds of people had to be evacuated along the rivers. Flood waters entered the Three Rivers Stadium's parking lots and lower levels. Encroaching flood waters forced the Pittsburgh Steeler's to hurriedly pack up uniforms and equipment.

#### PAZ030

#### Westmoreland

19 1100EST 0 0 Floo 20 0500EST

The Conemaugh River, a tributary to the Allegheny River, flows into the Conemaugh Reservoir. Outflow from the reservoir is known as the Kiskiminetas River, which empties into the Allegheny River downstream of Lock 5. Near record flooding occurred on the Conemaugh River at Seward, Pennsylvania. Flooding did not occur on the Kiskiminetas River because of the control provided by the Conemaugh Dam. All river flood damage amounts for Westmoreland County are summarized in the description of the river flooding for the Monongahela River.

The Conemaugh River at Seward crested at 20.7 feet, 8.7 feet above its 12 foot flood stage, at 4 pm on the 19th.

#### PAZ015>016

#### Clarion - Jefferson

0 0 100K

Flood

The Clarion River flows into the Allegheny River at Parker, Pennsylvania. Ice jams contributed to what was near record flooding for the Clarion River at Cooksburg, Pennsylvania. The Clarion River at Cooksburg crested at 16.4 feet, 3.4 feet above flood stage on the 19th at 11 pm. River flood damages are listed for all of Clarion County under the description of the Allegheny River flood.

#### PAZ020>021

### Beaver - Allegheny

19 1600EST 21 1300EST 0 0 9.6M

Flood

The Allegheny and Monongahela Rivers meet at the Point in Pittsburgh to form the Ohio River. A tremendous amount of runoff and snowmelt, combined with the fact that the Monongahela and the Allegheny Rivers crested in phase, resulted in the maximum possible crest possible at the start of the Ohio River at Pittsburgh. The Monongahela River usually crests 4 to 8 hours earlier than the Allegheny River.

The Ohio River at Pittsburgh crested at 34.6 feet, 9.6 feet above its 25 foot flood stage at 10 am on the 20th.

In Beaver County, 257 homes were affected, 14 with major damage and 15 destroyed. At least 42 businesses were affected, 2 of which were destroyed. Commercial and industrial damages to real estate, equipment and supplies alone totaled over \$4 Million. Bridges were also damaged by floating debris in the river. About 400 people throughout the county had to be evacuated.

Total damages for River flooding for Allegheny County are found in the description of the river flooding along the Monongahela River.

#### Beaver County Beaver Falls

19 2000EST 20 0930EST

19

) 0

Flash Flood

Runoff from widespread rains between one and two inches over saturated soils continued to flood small streams and roads across the county before the water receded on the morning of the 20th.

0

#### Armstrong County Kittanning

20	0930EST	
Floodin	g of roads and	streams continued.

2000EST

Flash Flood

Butler County Harmony

19 2000EST 20 0930EST 0 0

Flash Flood

		Time	Path Path Length Width	Path	Number of Persons		Estimated		January 1996
Location	Date	Local/ Standard	(Miles)	(Yards)		jured	Damage Property Crops	Character of Storm	
PENNSYLVANIA, West									
	Extensive	e flooding cont	inued along th	ne Connoqu	enessing Cree	k until	receding on the morn	ing of the 20th.	
Clarion County Clarion	19	2000EST			0	0		Flash Flood	
	20	0930EST							
Favotto County	Flooding	continued acro	oss the county.	•					
Fayette County Connellsville	19	2000EST			0	0		Flash Flood	
	20	0930EST	1 10	1.					
Forest County	widespre	ead small streat	ms and road 11	ooding con	tinuea untii ilo	ood wat	ers receded on the mo	orning of the 20th.	
Tionesta	19	2000EST			0	0		Flash Flood	
	20	0930EST	aca tha accomtac						
	riooding	continued acro	oss the county.	<b>-</b>					
Indiana County									
Homer City	19	2000EST			0	0		Flash Flood	
	20 Extensive	<b>0930EST</b> e flooding cont	inued through	out the cou	ntv				
	Extensive	e mooding com	mucu unougn	out the cou	iity.				
Jefferson County									
Brookville	19	2000EST			0	0		Flash Flood	
	20 Flooding	0930EST continued acro	oss the county						
	1 loouling		oss are esame.						
Lawrence County									
New Castle	19 20	2000EST 0930EST			0	0		Flash Flood	
		continued in the	ne county.						
	J		·						
Venango County									
Oil City	19 20	2000EST 0930EST			0	0	120K	Flash Flood	
			f small stream	ns and cree	ks continued i	into the	early morning hours	s of the 20th before	the water receded.
							or had a hole ripped in		
	the Oil C	reek, a tributai	ry of the Alleg	gheny River	r. Over 40 hor	nes had	their basements floo	ded. A bridge was als	so damaged due to
Westmoreland County	the ice.								
Ligonier	19	2000EST			0	0		Flash Flood	
	20 Small str	0930EST eams and roads	s continued to	flood acros	s the county				
PAZ015-021>022		llegheny - Arı		11000 00100	s the county.				
	19	2300EST			0	0	4.4M	Flood	
	21 The first	0600EST of what even	tually became	numerous	large ice ian	ıs were	reported by ice obs	ervers on the Allegh	env River and its
	tributarie	s by December	r 26th. This al	onormally e	arly ice devel	opment	continued to build as	frigid temperatures	persisted. Early on
		_				-	nia, quickly rose 9 fee		
		nad broken. 100 Pittsburgh.	and mood wa	aters from i	is tributaries c	onunue	d and led to moderate	e to major mooding ar	ong the Anegheny
		Ü							
		-			ooding on the	Clario	n River. Damages for	Allegheny are totale	ed under the flood
Greene County	descriptio	on for the Mon	onganeia Kive	er.					
5 SW Waynesburg	24	0730EST			0	0		Flash Flood	
	Stewart F	0900EST Run in Waynes	hura went out	of its bank	c				
	Stewart	cum m waynes	ours went out	Of its bullk	·				
PUERTO RICO									
St Croix	10	1507AST			0	0		Waterspout	
	A WATI	1515AST ERSPOUT WA	AS OBSERVI	ED BY A	PILOT 5 TO	7 MII	ES NORTHWEST (	OF ST CROIX IN T	HE U.S. VIRGIN
	ISLAND		- ODDER VI			,		Di Chom mi i	0.5. TROM
Carolina		4 <b>=</b> 64=							
San Juan	10	1700AST 2359AST			0	0		Flash Flood	
		OUS SHOWE					THE NORTH SECTION		
	RAINFA	LL CAUSED	PROBLEMS	ALONG T	HE NORTH	COAST	T OF PUERTO RICC	FROM CAROLINA	A TO THE WEST

		Time	Path	Path	Number o	f I	Estimated		January 1996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed Inj	ured Prope	Damage	Character of Storm	January 1770
PUERTO RICO		Standard	()	(14143)		Trope	ny crops		
	THE SEC	CTORS AFFE	ECTED BY	FLASH FI		N JUAN W	ERE: CAIMIT		N JUAN. AMONG TO NUEVO, RIO
St Thomas	11	1400AST 1700AST	,		0	0		Heavy Rain	
	LOCATIO	RAINS AFFE	CO PARK,	PUEBLO A	T LONG BAY				THE FOLLOWING TE NADIES AND
Caguas Las Piedras Caguas,Cayey,Cidra	14	1645AST			0	0		Heavy Rain	
	SERVED HEAVY THERE V	AS A MEC RAIN AFFE	CHANISM I CTED MAI DED ROAD	FOR THE NLY THE S AND STR	DEVELOPME EASTERN-IN	NT OF NU TERIOR AN	MEROUS SHOOD NORTHEA	OWERS AND TH ST SECTIONS O	VIRGIN ISLANDS IUNDERSTORMS. F PUERTO RICO. , CAYEY, CIDRA,
Fajardo Rio Grande Fajardo To San Juan	29	1200AST			0	0		Waterspout	
rajatuo 10 San Juan	AN OUT	1400AST BREAK OF			FOTAL OF 12 FPUERTO RIC	2 TO 15, W	VAS OBSERVI	•	COAST GUARD
RHODE ISLAND	OFFICIA	LS ALONG I	TIE NORTH	COASTO	I I OLKI O KK				
RIZ001>004	Northwest P 02 03	rovidence - S 2100EST 0900EST	Southeast Pr	ovidence -	Western Kent 0	- Eastern K 0	ent	Heavy Snow	
RIZ001>007	inches; Cobusinesses inches per Northwest P 07 08 An intense close to 4 England i true blizzatwo feet fat T.F. G snowfall 1	oventry, 9.5 in s were closed hour.  Providence - S 1700EST 1700EST e east coast lo 0 degrees No in the past 20 y ard conditions tell across the ereen Airport in precord for Pro	ches; Warw on the 3rd. Southeast Pr w pressure syrth and 70 d years and wa occurred (b entire state v in Warwick vidence was	rovidence - ystem move egrees Wes is named the y National v ith the lesse measured 2 set, not onl	western Kent 0 d northeast from t. This storm we "Blizzard of 'g Weather Service amounts over 4 inches. Just y for the month	n, 3.0 inches; the 3rd was  - Eastern K 0  n eastern Gewas one of the 3rd was one of 3rd was day a factor of January,	and Block Isla: a difficult one v  ent - Bristol - V  orgia, passing al me most signific  Middle Atlantic anywhere in the ounty in the sou ater, after some but for any mo	when snow fell at the Washington - New Heavy Snow ong the coast of the ant winter storms to estates into New Eastates. Very heavy th, while the Nation additional light snoth, with a total of	ches; Johnston, 11.0 st schools and some ne rate of 0.5 to 2.0 cort  Carolinas and then o hit southern New ngland, although no or snowfall of one to nal Weather Service ow, a new all-time 33.2 inches. As of recorded 27 inches
DV7001 005	schools, s businesses	tores, and bus during the w	inesses. Als eek followin	o, the heavy g the storm.	snow accumu	lation resulte	ed in several roo		ion systems, closed lamaged homes and
RIZ001>005	Snow qui- urban stre	1700EST 2300EST ckly changed ets. Rainfall,	to heavy rai	n and resul peratures, a	nd snow melt c	0 highway flo logged catch	oding. Giant p	uate, officials close	ss expressways and 1 Route 116 when 4
RIZ001>007	Northwest P 19 Strong to extending Tiverton, scattered	1400EST 1830EST gale force so from a low j 73 mph; Little reports of pro	outheast Pr uth winds w pressure syste Compton, perty damag	rith gusts to tem moving 61 mph; No e as well as	Western Kent 0 40 to 60 mph east across the orth Kingstown, s scattered pow	- Eastern K 0 and isolatede northern C Quonset Ai er outages fi	ent - Bristol - Value of gusts to hurrio Great Lakes regirport, 61 mph; a com falling trees	Washington - Newy High Wind (Go cane force preceded ion. Some peak wand Woonsocket, 6 is and tree limbs. T	
RIZ001>007	of street fl Northwest P 27	rovidence - S 1300EST	Southeast Pr	ovidence -	Western Kent 0	- Eastern K 0	ent - Bristol - V	Washington - New High Wind (G	
RIZ001	Northwest P	1200EST			0	0		Flood	
		* *			-	-			ches, and very mild

temperatures rising into the 50s occurred. A peak wind gust to 63 mph was reported at Tiverton. Two large trees and two power

Storm	Data and	Unusual	Weather	Phenomena
JUIII	Data anu	UlluSuai	<b>YYCallici</b>	I liciloilicila

		Time	Path	Path	Number Persons		Estimate Damage	d		January 1996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)				Crops	Character of Storm	•
RHODE ISLAND										
									ighout the state as s	
									4 hours of the storm	n. The Blackstone
SOUTH CAROLINA		Woonsocket rea	acned a cres	t of 9.5 feet a	at 4 PM on the	28tn; 11	ood stage is	9.0 reet.		
SOUTH CAROLINA, Aiken County	<u>Centrar</u>									
Jackson	02	1830EST			0	0			Hail (0.75)	
Aiken County	<del>-</del>								(*****)	
8 WNW Aiken	02	1835EST			0	0			Thunderstorm	Wind (G50)
	A severe	thunderstorm k	enocked dow	n trees at I-2	20 and highwa	y 144.				
Aiken County	02	1040505			0	0			7D1 1 4	W. 1 (C.50)
3 N Aiken	02 A severe	1840EST thunderstorm k	mocked dow	n trees at I-2		<b>0</b> v 19.			Thunderstorm	wina (G50)
Orangeburg County	71 50 1010	thanderstorm is	inocked dov	in trees at 1.2	zo una mgmva	<i>y</i> 17.				
Orangeburg	02	1910EST	0.5	50	0	0	29K	0	Tornado (F0)	
		1912EST								
Orangeburg County	02	1020ECT	0.2	50	0	0			T(F0)	
1 E Orangeburg	02	1920EST 1922EST	0.3	50	0	0			Tornado (F0)	
	A severe		spawned a s	trong F0 tori	nado that touc	hed dow	n twice in O	rangebur	g. The first touchdo	wn caused damage
						cond to	ichdown cau	ised dama	age to a church (\$2K	<b>(</b> .).
SCZ015>016-020>022		- Chesterfield -	Newberry	- Fairfield -					<b>.</b> a.	
	06 07	1200EST 1600EST			0	0			Ice Storm	
			produced 1	to 3 inches	of snow in the	e easterr	Piedmont	and north	nern Midlands of So	outh Carolina. One
						th one in	nch of sleet.	Aound 70	000 people were wit	hout power for two
	days and	l schools and ma	any business	ses were clos	ed.					
SCZ015>016		- Chesterfield							<b>.</b> a.	
	11 12	2200EST 0800EST			0	0			Ice Storm	
			roduced up	to 2 inches of	of sleet, freezi	ng rain,	and/or snow	in the n	orthern Piedmont co	unties. There were
	spotty po	ower outages an	d highways	were extrem	ely hazardous	from the	e sleet and fr	eezing ra	in.	
<b>Mccormick County</b>										
Mc Cormick	27	0242EST	o o oorrono tla	um danatama l	0 hmalsa off lama	0	ho and Irmaa	lead darru	Thunderstorm	Wind (G50)
Edgefield County	Electric	company report	s a severe tn	understorm	oroke on large	tree iiii	ibs and knoc	kea dow	n powernnes.	
Edgefield County Edgefield	27	0324EST			0	0			Thunderstorm	Wind (G50)
		company report	s a severe th	understorm	broke off large	tree lin	bs and knoc	ked dow		
Saluda County										
Saluda	27	0330EST			0	0			Thunderstorm	Wind (G50)
N 1 0 1	Sheriff	lepartment repor	rts a severe	hunderstorn	brook off lar	ge tree li	mbs and kno	ocked dov	wn powerlines.	
Newberry County Little Mountain	27	0341EST			0	0			Thunderstorm	Wind (C50)
Little Mountain		lepartment repor	rts a severe	thunderstorm	broke off lar	e tree li	mbs and kno	cked dov		Willa (G30)
Aiken County						,			r	
Countywide	27	0349EST			0	0			Thunderstorm	Wind (G50)
	Utility c	ompany reports	a severe thu	inderstorm b	roke off large	tree limb	s and knock	ed down	powerlines.	
Fairfield County	27	02 <i>55</i> FOR			Λ	Λ			Threadon-4	Wind (C50)
Ridgeway	27 Electric	0355EST company report	s a severe th	understorm	0 broke off large	0 tree lin	bs and knoc	ked dow	Thunderstorm nowerlines.	vvina (GSU)
Richland County	Dicente	panj report			5110 511 1416	1111	and knoe	40 W	r 5 c	
Eastover	27	0401EST			0	0			Thunderstorm	Wind (G50)
		ırst took down a	couple of tr	ees and seve	rely damaged	a barn.				
SOUTH CAROLINA,	North Coast	tal e								
Williamsburg County	27	0625ECT			Δ	0	0.2017		Thum 3 4	Wind
.5 W Cades to Cades	27	0635EST			0	0	0.30K		Thunderstorm	vv IIIu
	Tractor	shed roof blown	off and 75	yards away						
Horry County	_					_				
Galivants Ferry	27 Shingles	0720EST	emell toos	inrocted as	0 Lwooden fenc	0 a torn ar	0.50K		Thunderstorm	Wind
SOUTH CAROLINA,		blown off roof,	, sman tree t	iprooted, and	i wooden ienc	е ют ар	ail.			
Laurens County	tol til west									
Laurens	02	1745EST			0	0			Lightning	
	Lightnin	ig struck a store	and cuased	a minor fire.					5 5	

		Time	Path	Path	Number of Persons	of	Estimated	January 1996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)		jured	Damage Property Crops	Character of Storm
SOUTH CAROLINA,	Northwest							
SCZ001>009		conee - North g - Cherokee		- Northern	Greenville - S	Souther	rn Oconee - Southe	ern Pickens - Southern Greenville -
	06	0800EST	- IUIK		0	0		Winter Storm
	Light en	1400EST	the mornin	a Accumu	lations ranged	from	1 to 3 inches W	arm road surfaces prevented significant
	_	-		_	-			into the early afternoon in the piedmont.
SCZ001>010		)conee - North :g - Cherokee			Greenville - S	Souther	rn Oconee - Southe	ern Pickens - Southern Greenville -
	06	1800EST	10111 11110		0	0	50K	Winter Storm
	Mixed ra	2359EST in freezing rai	n and sleet ca	used a grad	lual buildup of	ice. Sn	now began to fall ag	ain near the North Carolina border. Some
	power ou	ıtages develope	d by late ever	ning especi	ally east and no	orth of S	Spartanburg. Numer	ous traffic accidents were reported with a
CC7001 010		•		• .		•	•	estly snow by morning.
SCZ001>010		conee - North g - Cherokee			Greenville - S	Souther	rn Oconee - Southe	ern Pickens - Southern Greenville -
	07	0000EST			0	0	50K	Winter Storm
	Snowfall	1600EST reached accum	nulations of 4	to 8 inche	es along and no	orth of	I-85 with as much	as 10 inches in the mountains of Oconee
	county. T	The snow persis	sted into the a	fternoon. C	usting winds a	s the sn	now ended contribut	ed to some power outages in and near the
		is. Cold weat y dangerous tra						sys. Frozen rain under the snow caused
	cattemer	y dangerous tra	iver condition	s with hum	crous accidents	s report	cu.	
SCZ011>014-019	Abbeville -	Laurens - Uni	ion - Chester	- Greenw	ood			
	07	0300EST 1600EST			0	0		Winter Storm
	Rain and		hanged over	to snow du	ring the early n	norning	hours with accumu	lations generally 1 to 3 inches. The snow
00000000	-		fternoon. Roa	ds were ve	ry hazardous w	ith nun	nerous accidents rep	orted.
SCZ009-014	York - Che	ster 0600EST			0	0		Ice Storm
		1300EST						
		mixture of slee	_	-		ı powei	r outages in the east	ern piedmont. The freezing rain changed
SCZ001-003>010-012					ern Oconee - S	outher	n Pickens - Southe	rn Greenville - Spartanburg -
	Cherokee - 11	York - Anders 2000EST	son - Lauren	ıs	0	0		Winter Storm
		2359EST			-			
								oothills. Accumulations to 4 inches were derson to Rock Hill. Some freezing rain
								. There was at least one traffic fatality in
a caree		ern part of Gre	enville count	y and anoth	er in southern	Spartan	burg county.	
SCZ006	Southern G 12	reenville 1200EST			2	0		Extreme Cold
	Two you	ng boys fell th	U		eloped on a po	nd foll	owing the persistant	cold weather. Both died of hypothermia
SCZ001>008-010	•	were rescued.			Cuconvilla (	Sautha	m Ossman South	ern Pickens - Southern Greenville -
SCZ001>000-010		g - Cherokee		- Northern	Greenvine - S	outhe	in Oconee - South	rii Fickens - Southern Greenvine -
	18	2000EST 2020EST			0	0	10K	High Wind (G50)
Oconee County		2020E31						
Walhalla	18	2030EST 2050EST			0	0	5K	Thunderstorm Wind (G50)
Pickens County		20301231						
Pickens	18	2115EST 2130EST			0	0	30K	Thunderstorm Wind (G50)
Greenville County		2130E31						
3 W Greenville to	19	0130EST			0	0	15K	Thunderstorm Wind (G50)
Greenville Anderson County		0150EST						
Williamston	19	0130EST			0	0		Thunderstorm Wind (G50)
Spartanburg County		0150EST						
Spartanburg Spartanburg	19	0230EST			0	0	35K	Thunderstorm Wind (G50)
Cherokee County		0250EST						
Grassy Pond to	19	0250EST			0	0	5K	Thunderstorm Wind (G50)
Saratt	G 11	0310EST	1	1 1.	,		1 6.1 11	

O310EST

Generally high winds caused some downed trees and power lines over much of the Upstate. Although gusts did not frequently reach ordinary damaging levels, the wet ground caused more trees to fall than normal.

		Time	Path	Path	Number of	of	Estimate	d		January 19	996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed In		Damage		Character of Storm	Juliumy 17	,,0
SOUTH CAROLINA, N	orthwest		, ,	(,			11.0				_
SCZ003>007	Northern G	reenville - Sou	ıthern Ocon	ee - Southe	rn Pickens - S	Southern	Greenville	e - Spartar	burg		
	27	0000EST 2359EST			0	0			Flood		
	Persistant		he dav and n	ight resulted	in gradual ris	ses on area	streams.	Thundersto	rms with heavier	rain moved thro	ough
									eenville where ea		
	Berea area	a streams flood	led. A few r	escues from	stranded cars	were requ	ired and a	few homes	flooded in Berea		
Greenwood County						•					
Greenwood	27	0245EST	t one house f	ire and bless	0 transformers	0 in the area	5K	a partly bu	Lightning rned in Greenwoo	d	
Abbeville County	Lighting	caused at leas	t one nouse i	iie and biew	transformers	iii tiie area	a. the nous	e partiy bu	illed iii Greenwoo	u.	
Abbeville	27	0245EST			0	0			Lightning		
	Lightning	blew transform	mers in the a	rea.							
SOUTH CAROLINA, S	outh Coasta	1									
	NONE R	EPORTED.									
SOUTH DAKOTA, Cen											
SDZ005>008-010>011- 017>018-021	Mcpherson	- Brown - Ma	rshall - Rob	erts - Edmı	ınds - Day - I	Faulk - Sp	ink - Gra	nt			
	10	0600CST 1300CST			0	0			Ice Storm		
	Widespre		n moved acro	oss northeas	South Dakota	a from the	early mor	ning into th	e early afternoon,	laying down a	thin
	layer of ic	e. Travel was	significantly	slowed with	a few vehicle	accidents	along with	n some veh	icles ditched.		
SDZ003>005-009>010- 015>017-033>037-045- 048-051	Corson - Ca Jones - Lym		herson - Wa	alworth - Eo	lmunds - Dev	vey - Pott	er - Faulk	- Stanley	- Sully - Hughes	- Hyde - Hand	
	17 18	1000CST 0400CST			0	0			Blizzard		
SDZ006>008-011-018-	chills from morning of was extre the snow 9NE Relia 8 inches central an	m 40 below to of the 18th. M mely difficult packed so har ance, 5 inches	o 70 below foots schools, due to the not defend at Mobridge er, and 10 in South Dakot	for central at federal, state ear zero visi not dig out , Presho, Ro nches at Eur a into the ea	nd northcentra e, and county bility with son. Some snowf scoe, 10SE Streka. The extr rrly evening of	al South I offices we we vehicle all amoun tephan, and reme wind	Dakota fro rere closed es stranded ets include ed Ree Hei	m the mide . Also, var l. Some ph d, 2 inches ghts, 7 inch	lizzard conditions dle morning of the ious activities we easants and wildliful at Highmore, 3 in the second Tulare at the blowing snow	te 17th to the e re canceled. Tra ife were lost du nches at Pierre nd 5E 3S Faulk	early ravel ie to and aton,
021	15	1200 CCT							D. 1		
	17 18	1300CST 1600CST			0	0			Blizzard		
	Six to two chills from county and the evening South Da Roberts at some peof winds with could not Doland, 9 extreme with	elve inches of an 40 below to different of ficing of the 17th the kota. Travel with the sign also be dig out. Some vinches at Mel with chills with the sign distribution of the sign also be dig out. Some vinches at Mel wind chills with	70 below frees, and many through the ewas extrementies to the Notatheir vehicle down out in the snowfall and lette, Aberdea some blowing the some blowing the some blowing the same state.	om the early buisnesses early mornin ly difficult. Orth Dakota es. There we Groton. Son mounts inclusen and Reding snow cor	y afternoon of were closed. A g of the 18th v Highway 12 border were cl ere a few vehich the pheasants a ded, 6 inches field, 10 inches	f the 17th Also variou were cance from Wel losed the 1 cle accider nd wildlife 2S 3W E ss at Britto	to the late us activitie eled. Posta bster to the 8th. Hund nts and a fewere loss lm Lake a on, and 12	e afternoon s were can l delivery v ne Minnesc reds of pec ew reports t from the s nd Tulare, inches 4N	olizzard conditions of the 18th. Mosceled. Flights out own delayed across the border and Insple were stranded of windows blows snow packed so ha 7 inches 9N 9W 2E Victor, Wilmo of the 19th.	at schools, colle of Aberdeen dur is much of north terstate-29 thro I at truck stops v in out from the I ard that the anin Britton, 8 inche	eges, ring neast ough with high nals
SDZ033-035-045-048-051	Stanley - Hu 24	ighes - Jones - 2100CST	- Lyman - B	uttalo	0	0			Heavy Snow		
	25 Heavy sno	0900CST	-	-	t of central So	outh Dakot			ng of the 24th to t	he middle morr	ning
SDZ003>005-009>010- 015>017-033>037-045-	Corson - Ca						•		- Sully - Hughes	- Hyde - Hand	
048-051	28 29	1600CST 1600CST			0	0			Extreme Windo	chill	

Extreme wind chills developed across central and northcentral South Dakota as cold arctic air moved in behind an area of low pressure. With temperatures falling well below zero and northwest winds increasing to 15 to 30 mph, wind chills were lowered to 40 to 70 below throughout the night of the 28th and into the late afternoon of the 29th. Two to five inches of snow had fallen across central and northcentral South Dakota on the 28th. The strong northwest winds caused areas of blowing snow significantly reducing visibilities.

						, .				
Location	Date	Time Local/	Path Length	Path Width		ber of sons Injured	Estim Dam	age	Classic of Channel	January 1996
SOUTH DAKOTA, Cer		Standard	(Miles)	(Yards)	Killeu	Injured	Property	Crops	Character of Storm	
SDZ006>008-011-018- 021		<u>tarshall</u> - Robe	erts - Day - S	Spink - Grar	nt					
021	28 29	1800CST 2100CST			0	0			Extreme Windch	ıill
									ind an area of low pres	
									ow had fallen on the 2 near blizzard condition	•
SOUTH DAKOTA, Sou	_ `	,								<sub>P</sub>
SDZ019>020-022>023- 039>040-055>056-062- 067-071	Clark - Co	dington - Han	nlin - Deuel	- Kingsbury	- Brookin	gs - Lake	- Moody -	Minnehal	ha - Lincoln - Union	
	10	0645CST 0900CST			3	16	400K		Ice Storm	
	Sioux F	falls and Watert	own. Over o	ne hundred a	ccidents o	ccurred, ir	ncluding a d	collision ne	of rush hour, especia ar Watertown which c M36VE, M11VE, M8	eaused 3 fatalities.
SDZ019>020-022>023- 038>040-046>047- 049>050-052>071	- Miner - l	0	- Brule - Au	rora - Davis	on - Hans		_		Tripp - Gregory - Je harles Mix - Douglas	
0492030-0322071	101 Her - 1 17 18	1000CST 1800CST	ioninie - 1 a	iiktoii - Ciay	1	1	490K		Blizzard	
		ard spread acros				_	•		ecompanied by 50 to 6	
	•	-					_		below zero. Roads and y fire was due in part	•
									les slid into ditches or	
	-								ges occurred, one due	
	-	ng in Gregory ( vo structures.	-	ne pipes froze	e and brok	e where p	ower outag	ges occurre	ed. The strong winds b	olew the roofs off
SDZ038>040-052>062-				rauld - Sanb	orn - Min	er - Lake	- Moody -	Brule - A	ırora - Davison - Har	ıson - Mccook -
067		a - Lincoln			0	0			<b>II</b> G	
	24 25	2200CST 0900CST			0	0			Heavy Snow	
	Dakota	-	ouri River to	the eastern			_		Interstate Highway 90 ools for a day but stro	
SDZ019>020-022>023- 038>040-046>047-	- Miner - l	Lake - Moody -	- Brule - Au	rora - Davis	on - Hans		-		Tripp - Gregory - Je harles Mix - Douglas	
049>050-052>071	29	Lincoln - Bon H 0600CST	10mme - Ya	nkton - Ciay	0 - Union	0			Extreme Windch	nill
	<b>31</b> Wind cl	2359CST hill readings as	cold as 80 be	elow zero oco	curred as w	inds over	30 mph co	mbined wi	th actual temperatures	of 10 below to 30
		_							inancial with greatly	
							e operation	and preve	nt carbon monoxide p	roblems. Drifting
COUTH DAKOTA Wo		ccurred with the	wind but ha	d a relatively	minor imp	oact.				
SOUTH DAKOTA, We SDZ001-012-024>025		Butte - Northe	rn Rlack Hi	lle - Norther	n Foot Hi	lle				
SDZ001-012-02-42025	01	0001MST	TH DIACK III	nis - ivoi tiici	0	0			Heavy Snow	
	04 Tan to 1	2300MST	von Montlevvo	t Cauth Dalra	to and 10 t	o 20 in ah	aa arram tha	Dlask IEll	•	
	Ten to 1	12 inches fell ov	er Normwes	t South Dako	na and 10 i	io 20 men	es over the	ыаск пін		
SDZ001>002-012>014-	Harding -	Perkins - Butt	e - Meade C	o. Plains - Z	iebach - N	Northern 1	Black Hills	- Norther	n Foot Hills - Centra	l Foot Hills -
024>032-041>044-						Hills - C	uster Plair	s - Pennin	gton Plains - Haakon	ı - Fall River Co.
046>047-049	- Snannon 17	- Jackson - Be 0100MST 1800MST	ennett - Men	ette - 10aa	- 1 ripp 0	0			Blizzard	
									s over Western South	Dakota. Up to 12
TENNESSEE, Central				F						
TNZ005>008-022>028-								s - Dickson	n - Cheatham - David	son - Wilson -
055>060-062	Decatur - 1 06	Perry - Hickma 0550CST 1700CST	an - Lewis -	Williamson	- Maury - 0	Rutherfo	ord		Winter Storm	
		1,000						ann d		

Freezing rain started across middle Tennessee during the early morning hours. The freezing rain caused slippery roadways Saturday morning, especially on bridges and overpasses. The freezing rain changed to sleet in the afternoon and then to all snow around evening.

		Time	Path	Path	Number o	of	Estimated		January 1996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed Inj	ured	Damage Property Cr	rops Character of Stor	•
TENNESSEE, Central							. ,	1	
TNZ005>011-022>031-033-055>065-075>082-093>098	- Davidson Marshall - Bledsoe - V 06 08 The snow schools across m middle T	- Wilson - Tr Rutherford - Vayne - Lawr 1700CST 0600CST w started Satur were closed for iddle Tenness	cousdale - Sr Cannon - D ence - Giles rday evening or several da ee. Snow tot I as much as	nith - Jackso ekalb - Whi - Lincoln - I and did not ys across mi als for this st 8 inches for	on - Overton - te - Bedford - Franklin - Man 0 let up until Mo ddle Tennessee orm were 4 to :	Decatu Moore rion 0 onday me. There	r - Perry - Hi - Coffee - Wa 10K norning. As a rewere several s across David	Touston - Humphreys - ckman - Lewis - Willia arren - Grundy - Van E Winter Stormesult, church services w fender benders as a res son county, 1-3 inches for Clay course.	mson - Maury - Buren - Sequatchie - m ere cancelled Sunday, ult of the snow storm or the southern part of
Stewart County									
Dover	18 Several t	1045CST 1050CST trees blown do	wn. Report b	y local law e	onforecement.	0	0.10K	Thunderston	m Wind
Benton County									
Camden	18	1100CST 1115CST ectric company	reported no	wer lines dou	0	0	0.10K	Thunderston	m Wind
<b>Lawrence County</b>	Locarcio	cerre company	reported po	wer filles dov	v11.				
Ethridge	18 Several t	1305CST 1320CST	wn nower n	oles and now	0 ver lines down	0	10K	Thunderstor t was by local law enfor	
	Bevelar	irees blown do	wn, power p	oies and pow	er mies down,	.0013 00	maged. Repor	t was by local law chilor	coment.
Giles County Countywide	18 Emanger	1315CST	nt officials n	amoutod 2 tuos	0	0		Thunderston	rm Wind (G50)
<b>Davidson County</b>	Emerger	icy manageme	nt officials re	eported 3 tree	es down around	tne cot	inty.		
Nashville	18	1335CST 1350CST			0	0	0.50K	Thundersto	m Wind
		es blown dov cy managemen		rsection of	Old Hickory E	Blvd. aı	nd Clarksville	Highway. Report was	by Davidson county
Wilson County Mt Juliet	18	1400CST 1420CST			0	0	0.10K	Thunderston	m Wind
	Weather	service emplo	yee reported	pine tree do	wn.				
Rutherford County Murfreesboro	18	1405CST 1425CST			0	0	0.10K	Thunderston	m Wind
	Highway	y department re	eported a tree	e down.					
<b>Sumner County</b>									
Gallatin	18	1430CST 1445CST			0	0	0.10K	Thunderston	m Wind
	Local m	ghway departn	nent reported	a tree down	•				
TENNESSEE, East TNZ012>018-034>047- 066>074-083>087- 099>102	Hamblen - Northwest Mountains	Northwest Co Carter - Sout	ocke - Cock heast Carte er - Sevier/S	e/Smoky Mo r - Cumberl moky Moun	ountains - Nort and - Roane -	hwest Loudo	Greene - Sout n - Knox - Jef	- Morgan - Anderson - cheast Greene - Washin ferson - Northwest Blo orthwest Monroe - Sou	ngton - Unicoi - unt - Blount/Smoky
	06	2100EST			0	0		Winter Stor	m
	one to the	nree feet of sn hools and busi	ow to south nesses across	west Virginia s the area. N	. Numerous tr	ees and	l power lines f	snow to parts of East T fell. Many roads becam h three deaths reported f	e impassable shutting
TNZ012>018-034>047- 066>074-083>087- 099>102	Scott - Can Hamblen - Northwest Mountains	npbell - Claib Northwest C Carter - Sout - North Sevic	orne - Hanc ocke - Cock heast Carte er - Sevier/S	ock - Hawk e/Smoky Mo r - Cumberl moky Moun	ins - Sullivan - ountains - Nort and - Roane -	Johnse hwest Loudo	Greene - Sout n - Knox - Jef	- Morgan - Anderson - heast Greene - Washir ferson - Northwest Blo orthwest Monroe - Sou	ngton - Unicoi - unt - Blount/Smoky
	Hamilton -	Bradley - We	est Polk - Ea	st Polk	0	0		Winton Stom	

Heavy snow accumulations of 4 to 8 inches caused numerous power outages and car accidents. Numerous trees fell as well.

TENNESSEE, East  TNZ013  TENNESSEE, East  Schools and businesses were closed.  Table   18			Time	Path	Path	Number o	f	Estimated		January 1996
Schools and husinesses were closed.     Schools and husinesses were closed.     18	Location	Date	Local/ Standard	Length (Miles)	Width	Persons Killed Inj	ured	Damage Property Crops	Character of Storm	Junuary 1990
Control   Cont	TENNESSEE, East	0.1.1		, ,						
18	TNZ013		and businesses	were closed.						
Countywide  19 2000EST To some stands the incidence of rain Friday alght into Standay morning combined with melting snow resulted in flooded roads, homes and formulants. A Challationega man floid crossing a frosbridge over the combined with melting snow resulted in flooded roads, homes and formulants. A Challationega man floid crossing a frosbridge over the combined with melting snow resulted in flooded roads, homes and formulants. A Challationega man floid crossing a frosbridge over the combined with melting snow resulted in flooded roads, homes and formulants.  Sullivan County Countywide  79 2000EST To to over three inches of rain Friday night into Statuday morning combined with melting snow resulted in flooded roads, homes and formulants. In the Roam Mountain area source vesidents were vescuted from the inches of rain friday night into Statuday morning combined with melting snow resulted in flooded roads, homes and formulants. In the Roam Mountain area source vesidents were vescuted from their homes.  We have been sound from the combined of roads in Friday night into Statuday morning combined with melting snow resulted in flooded roads, homes and formulants. In the Roam Mountain area source vesidents were vescuted from their homes.  Unitori County Countywide  19 2000EST To 10 2000EST To 2000EST To 2000EST To 2000EST To 2000EST To 2000EST To 2000EST	1112013	•	1500EST			0	0	2K	High Wind	
Countywide   19		A strong		sed gradient w	vinds that b	ought trees dov	wn acro	oss several power lin	es in LaFollette	
Two to over three inches of rain Friday night into saturday morning combined with melting snow resulted in flooded roads, homes and farmilands. A Chatamonga man died crossing a footbridge over Toms Creek in Cocke County Friday night.    Hawkins County	Cocke County							•		
Two to over three inches of rain Friday night into Saturday morning combined with mediting snow resulted in flooded roads, homes and farmlands. A Charlamoga hand nied crissing a floothridge over Toms Creck in Cocke County Friday night.    Sulfivan County Countywide	Countywide		2000EST 0900EST			0	0		Flash Flood	
Countywide   19   2000EST   0   0   0   Flash Flood			ver three inche			•	_		_	
Countywide   19    2000EST   0   0   Flash Flood	Hawkins County	and farm	lands. A Chatt	anooga man o	nea crossin	g a rootbridge	over 1	oms Creek in Cocke	County Friday night.	
Sulfivan County Countywide    19   2000 EST   0   0   Flash Flood   7000 Flash Flood   10   2000 Flash Flood   20   2000 Flash						0	0		Flash Flood	
19		Two to o	ver three inche	es of rain Frid	ay night int	o Saturday moi	rning c	ombined with meltin	ng snow resulted in flo	ooded roads, homes
10   0900EST   Too to over three inches of rain Friday night into Saturday morning combined with melting snow resulted in flooded roads, homes and farmlands. In the Roam Mountain area some residents were evacuated from their homes.    Vashington County Countywide										
Greene County Countywide    19   2000EST   0   0   0   Flash Flood	Countywide					0	0		Flash Flood	
Greene County Countywide    Two to over three inches of rain Friday night into Saturday morning combined with melting snow resulted in flooded roads, homes and farmlands. In the Roam Mountain area some residents were evacuated from their homes.    Washington County Countywide		Two to o	ver three inche	s of rain Frid	ay night int	o Saturday moi	rning c	ombined with meltin	ng snow resulted in flo	ooded roads, homes
Countywide   19   2000FST   0   0   Flash Flood	Croone County	and farm	lands.							
Washington County Countywide    Part   Pash Flood   Pash	•					0	0		Flash Flood	
Mashington County Countywide  19 20000EST To 0000EST To				s of rain Frid	av night int	o Saturday mor	rning c	ombined with meltin	ng snow resulted in fl	noded roads homes
Countywide   19   2000EST   0   0   0   Flash Flood										ooded roads, nomes
20   9900EST   Two to over three inches of rain Friday night into Saturday morning combined with melting snow resulted in flooded roads, homes and farmlands. In the Roan Mountain area some residents were evacuated from their homes.    Unicol County										
Unicol County Countywide 29 2000EST 0 0 Flash Flood Carter County Countywide 29 2000EST 0 0 Flash Flood and farmlands. In the Roan Mountain area some residents were evacuated from their homes.  Carter County Countywide 29 2000EST 0 0 Flash Flood 20 0900EST Two to over three inches of rain Friday night into Saturday morning combined with melting snow resulted in flooded roads, homes and farmlands. In the Roan Mountain area some residents were evacuated from their homes.  Blount County Countywide 19 2000EST 0 0 0 Flash Flood 20 0900EST Two to over three inches of rain Friday night into Saturday morning combined with melting snow resulted in flooded roads, homes and farmlands. In the Roan Mountain area some residents were evacuated from their homes.  Sevier County County Countywide 19 2000EST 0 0 0 Flash Flood 20 0900EST Two to over three inches of rain Friday night into Saturday morning combined with melting snow resulted in flooded roads, homes and farmlands.  Sevier County Countywide 19 2000EST 0 0 Flash Flood 20 0900EST Two to over three inches of rain Friday night into Saturday morning combined with melting snow resulted in flooded roads, homes and farmlands.  Campbell Blount/Smoky Mountains - Southeast Monroe 23 1700EST 0 0 30K High Wind 24 0500EST 24 0500EST 0 0 30K High Wind 25 1500CST 0 0 0.50K Heavy Snow 15 1500CST 0 0.50K Thunderstorm Wind	Countywide					U	U		Flash Flood	
Unicol County Countywide    19						•	_		-	ooded roads, homes
Countywide	Unicoi County	and farm	lands. In the F	Koan Mountai	n area some	residents were	e evacu	ated from their hom	es.	
Carter County Countywide    19   2000EST   0   0   Flash Flood						0	0		Flash Flood	
Carter County Countywide  19 2000EST 20 0900EST Two to over three inches of rain Friday night into Saturday morning combined with melting snow resulted in flooded roads, homes and farmlands. In the Roan Mountain area some residents were evacuated from their homes.  Blount County Countywide  19 2000EST 20 0900EST Two to over three inches of rain Friday night into Saturday morning combined with melting snow resulted in flooded roads, homes and farmlands.  Sevier County Countywide  19 2000EST Two to over three inches of rain Friday night into Saturday morning combined with melting snow resulted in flooded roads, homes and farmlands.  Sevier County Countywide  19 2000EST Two to over three inches of rain Friday night into Saturday morning combined with melting snow resulted in flooded roads, homes and farmlands.  TNZ013-072-087  Campbell - Blount/Smoky Mountains - Southeast Monroe 23 1700EST 0 0 30K High Wind 24 0500EST 1 0 0 30K High Wind 23 1700EST 24 0500EST 0 0 0 30K High Wind 25 1500CST 0 0 0.50K Heavy Snow fell across parts of northwest Tennessee. Over five inches fell over portions of Henry County. Three inches of snow fell in Dyer County.  Shelby County Memphis  18 0810CST 0 815CST 0 0 5 5K Thunderstorm Wind				s of rain Frid	av night int	o Saturday moi	rning c	ombined with meltin	ng snow resulted in flo	ooded roads, homes
Countywide   19						•	_		-	
Two to over three inches of rain Friday night into Saturday morning combined with melting snow resulted in flooded roads, homes and farmlands. In the Roan Mountain area some residents were evacuated from their homes.  Blount County Countywide  19 2000EST Two to over three inches of rain Friday night into Saturday morning combined with melting snow resulted in flooded roads, homes and farmlands.  Sevier County Countywide 19 2000EST Two to over three inches of rain Friday night into Saturday morning combined with melting snow resulted in flooded roads, homes and farmlands.  Two to over three inches of rain Friday night into Saturday morning combined with melting snow resulted in flooded roads, homes and farmlands.  TNZ013-072-087  Campbell - Blount/Smoky Mountains - Southeast Monroe 23 1700EST Campbell - Blount/Smoky Mountains - Southeast Monroe 23 1700EST 0 0 30K High Wind 1700EST A strong cold front caused gradient winds in excess of 40 mph. Numerous trees and power lines were reported down. A roof was blown off a business in Sweetwater. A tree fell on a family's trailer in Walland  TENNESSEE, West TNZ001>004-019>021  Lake - Obion - Weakley - Henry - Dyer - Gibson - Carroll 05 1500CST 0 0 0.50K Heavy Snow 17 1500CST Heavy snow fell across parts of northwest Tennessee. Over five inches fell over portions of Henry County. Three inches of snow fell in Dyer County.  Shelby County Memphis 18 0810CST 0 0 0 5K Thunderstorm Wind		10	2000EST			0	0		Elash Elasd	
Blount County Countywide  19 2000EST 0 0 Flash Flood 20 9900EST Two to over three inches of rain Friday night into Saturday morning combined with melting snow resulted in flooded roads, homes and farmlands.  Sevier County Countywide 19 2000EST 0 0 Flash Flood 20 9900EST Two to over three inches of rain Friday night into Saturday morning combined with melting snow resulted in flooded roads, homes and farmlands.  Troy to over three inches of rain Friday night into Saturday morning combined with melting snow resulted in flooded roads, homes and farmlands.  Campbell - Blount/Smoky Mountains - Southeast Monroe 23 1700EST 0 0 30K High Wind 24 0500EST A strong cold front caused gradient winds in excess of 40 mph. Numerous trees and power lines were reported down. A roof was blown off a business in Sweetwater. A tree fell on a family's trailer in Walland  TENNESSEE. West TNZ001>004-019>021 Lake - Obion - Weakley - Henry - Dyer - Gibson - Carroll 05 1500CST 0 0 0.50K Heavy Snow 161 in Dyer County.  Shelby County Memphis 18 0810CST 0 0 0 5K Thunderstorm Wind	Countywide	20	0900EST							
Blount County Countywide										ooded roads, homes
Countywide  19 2000EST Two to over three inches of rain Friday night into Saturday morning combined with melting snow resulted in flooded roads, homes and farmlands.  Sevier County Countywide  19 2000EST Two to over three inches of rain Friday night into Saturday morning combined with melting snow resulted in flooded roads, homes and farmlands.  TNZ013-072-087  Campbell - Blount/Smoky Mountains - Southeast Monroe 23 1700EST A strong cold front caused gradient winds in excess of 40 mph. Numerous trees and power lines were reported down. A roof was blown off a business in Sweetwater. A tree fell on a family's trailer in Walland  TENNESSEE, West TNZ001>004-019>021  Lake - Obion - Weakley - Henry - Dyer - Gibson - Carroll 05 1500CST 07 1500CST 0 0 0 0.50K Heavy Snow fell across parts of northwest Tennessee. Over five inches fell over portions of Henry County. Three inches of snow fell in Dyer County  Memphis 18 0810CST 0 0 0 5K Thunderstorm Wind	<b>Blount County</b>	and farm	ianus. In the r	Coaii Mouillai	n area some	residents were	evacu	ated from their from	es.	
Sevier County Countywide  Two to over three inches of rain Friday night into Saturday morning combined with melting snow resulted in flooded roads, homes and farmlands.  Trought						0	0		Flash Flood	
Sevier County Countywide  19 2000EST Two to over three inches of rain Friday night into Saturday morning combined with melting snow resulted in flooded roads, homes and farmlands.  TNZ013-072-087  Campbell - Blount/Smoky Mountains - Southeast Monroe 23 1700EST 24 0500EST A strong cold front caused gradient winds in excess of 40 mph. Numerous trees and power lines were reported down. A roof was blown off a business in Sweetwater. A tree fell on a family's trailer in Walland  TENNESSEE, West TNZ001>004-019>021  Lake - Obion - Weakley - Henry - Dyer - Gibson - Carroll 05 1500CST 0 0 0.50K Heavy Snow 1500CST Heavy snow fell across parts of northwest Tennessee. Over five inches fell over portions of Henry County. Three inches of snow fell in Dyer County.  Shelby County Memphis 18 0810CST 0 0 5 5K Thunderstorm Wind				s of rain Frid	ay night int	o Saturday moi	rning c	ombined with meltin	ng snow resulted in flo	ooded roads, homes
Countywide  19 2000EST		and farm	lands.							
TNZ013-072-087  Two to over three inches of rain Friday night into Saturday morning combined with melting snow resulted in flooded roads, homes and farmlands.  Campbell - Blount/Smoky Mountains - Southeast Monroe  23 1700EST 0 0 30K High Wind  24 0500EST  A strong cold front caused gradient winds in excess of 40 mph. Numerous trees and power lines were reported down. A roof was blown off a business in Sweetwater. A tree fell on a family's trailer in Walland  TENNESSEE, West  TNZ001>004-019>021  Lake - Obion - Weakley - Henry - Dyer - Gibson - Carroll  05 1500CST  0 0 0.50K Heavy Snow  1500CST  Heavy snow fell across parts of northwest Tennessee. Over five inches fell over portions of Henry County. Three inches of snow fell in Dyer County.  Shelby County  Memphis  18 0810CST  0 0 5K Thunderstorm Wind		19	2000EST			0	0		Flash Flood	
TNZ013-072-087  Campbell - Blount/Smoky Mountains - Southeast Monroe  23 1700EST	County Wide	20	0900EST	C . E.1	. 1			12 1 21 12		
23 1700EST				es of rain Frid	ay nignt int	o Saturday moi	rning c	ombined with meith	ig snow resulted in III	ooded roads, nomes
A strong cold front caused gradient winds in excess of 40 mph. Numerous trees and power lines were reported down. A roof was blown off a business in Sweetwater. A tree fell on a family's trailer in Walland  TENNESSEE, West TNZ001>004-019>021  Lake - Obion - Weakley - Henry - Dyer - Gibson - Carroll  05	TNZ013-072-087	Campbell -	Blount/Smok	y Mountains	- Southeas	t Monroe				
A strong cold front caused gradient winds in excess of 40 mph. Numerous trees and power lines were reported down. A roof was blown off a business in Sweetwater. A tree fell on a family's trailer in Walland  TENNESSEE, West TNZ001>004-019>021  Lake - Obion - Weakley - Henry - Dyer - Gibson - Carroll  05		23 24				0	0	30K	High Wind	
		A strong	cold front cau	-					er lines were reported	down. A roof was
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		blown of	f a business in	Sweetwater.	A tree fell of	on a family's tra	ailer in	Walland		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$										
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	TENNESSEE, West									
1500CST	TNZ001>004-019>021		-	Henry - Dy	er - Gibson		0	0.50K	Hoovy Snow	
Fell in Dyer County.    Shelby County   Memphis   18		07	1500CST			-			·	
Shelby County Memphis  18 0810CST 0 0 5K Thunderstorm Wind 0815CST		•		parts of north	nwest Tenn	essee. Over fiv	e inch	es fell over portions	of Henry County. Th	nree inches of snow
Memphis 18 0810CST 0 0 5K Thunderstorm Wind 0815CST	Shelby County	ien in Dy	of Coullty.							
	•	18				0	0	5K	Thunderstorm	Wind
		Several to		n down.						

		Time	Path	Path	Number	of	Estimated	January 1996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Person Killed I	s njured	Damage Property Crops	Character of Storm
TENNESSEE, West								
Shelby County Memphis	18	0820CST 0825CST			0	0	5K	Thunderstorm Wind
an n a	A few tre	ees were blown	down.					
Shelby County Memphis	18	0830CST			0	0	5K	Thunderstorm Wind
- Temphis		0835CST power lines wer	e blown dow	'n.	v	v	222	Thunderstorm Wind
Tipton County 3 S Brighton	18	0840CST			0	0	80K	Thunderstorm Wind
	damaged				l other home	s sustair	ned minor damage.	A few cars and outbuildings were also
Lake County		1						
Ridgely	18 Two utili	0845CST 0850CST ity poles were b	olown over.		0	0	2K	Thunderstorm Wind
Lauderdale County	10	0845CST			0	0	2W	Th 1 11/2 1
Henning	18 A few tree	0850CST ees and large tro	ee limbs wer	e knocked do	own.	U	2K	Thunderstorm Wind
Gibson County		C						
Georgetown	18	0845CST 0850CST nes were damag	rad and 18 a	olf cart house	0 as lost thair re	0	20K	Thunderstorm Wind (G50)
Shelby County	I WO HOH	ies were damag	ged and 16 g	on cart nous	es iost men io	0018.		
Collierville	18	0853CST 0855CST			0	0	1K	Hail (1.00)
Dyer County			0.3	25	0	0	10K	
Miston		0855CST 0900CST and part of the 00 feet. Numer	roof of a lar	ge outbuildir	ng was blown	out. Ha	lf the tin roof to a	Tornado (F0) shed was blown off. A cotton trailer was
Fayette County 3 S Oakland	18	0905CST 0910CST			0	0	0.05K	Hail (0.75)
Dyer County	10	001 ECCT					##7	
Miston	18 Roofs we	0915CST 0920CST ere blown off so	ome farm bu	ildings.	0	0	5K	Thunderstorm Wind
Haywood County				Ü				
Brownsville		•	-	oof was blow	0 n off a barn.	0 Several	20K other buildings we	Thunderstorm Wind ere damaged. Numerous trees and power
Obion County	lines wer	e knocked dow	n.					
2 W Union City to Union City	18	0920CST 0925CST			0	0	10K	Thunderstorm Wind
	Numerou	is trees and pov	ver lines wer	e blown dow	vn.			
Fayette County 2 S Dancyville	18	0930CST 0935CST			0	0	5K	Thunderstorm Wind
	Several p	ower lines and	trees were b	olown down.				
Gibson County 3 S Trenton	18 Several t	0930CST rucks had their	camper tons	blown off	0	0	5K	Thunderstorm Wind
Weakley County	De retai t		camper tops					
Martin	18	0940CST 0945CST	. 11 919		0	0	5K	Thunderstorm Wind
G" G 1	A roof w	as blown off a	metai buildii	ng.				
Gibson County Humboldt	18	0940CST 0945CST			0	0	5K	Thunderstorm Wind
		0945CST	om the gymn	asium at the			5K h School was destro	

	Storm	Data a	and U	nusua	al Wea	the	r Pheno	mena
		Time Local/	Path Length	Path Width	Number of Persons		Estimated Damage	January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed In	jured	Property Crops	Character of Storm
TENNESSEE, West	An old gi	n building los	t part of its r	oof.				
Weakley County		_						
Dresden	18	1005CST 1010CST			0	0	20K	Thunderstorm Wind
	One trail		yed and ano	ther trailer wa	as blown over	. One ba	arn was destroyed a	and another barn lost its roof. Trees and
	power lin	es were also b	olown down.					
TEXAS, Central								
	NONE F	REPORTED.						
TEXAS, Central South								
TXZ210	Colorado							
	18	1700CST 2200CST			0	0	10K	High Wind (G50)
	Strong w		y gradient b	lew road sign	s down along	I-10 near	r Weimar	
TXZ210	Colorado	1700CCT			0	0	50K	Hi-l. Wi-d (C55)
	18	1700CST 2200CST			U	U	SUK	High Wind (G55)
	Strong gr	adient winds p	pealed roof o	off a mobile h	ome, blew wir	idows ou	it of businesses in th	he Eagle Lake area.
Houston County Wesley Chappel	23	1622CST			0	0	5K	Hail (0.75)
Galveston County	23	1022031			v	U	JK.	Han (0.73)
Nrn County	26	1200CST			0	0	30K	Flash Flood
	Rodeo an	1500CST ad Timber Dr.	have water i	in to houses.				
TEXAS, Extreme West			nave water t	ap to nouses.				
TXZ055	El Paso							
	17	0900MST 2030MST			3	0	10M	High Wind (G75)
TXZ056	was a roo damage v in Centra	of partially rip was done, 80% l El Paso. l, M21BU, F5	oped off a si b as a result	upermarket in	Anthony, TX	killing	three people. On F	New Mexico. The most serious incident Fort Bliss, at least 6.9 million dollars of the roof from the Camlu retirement village
	17	0900MST			0	0		High Wind (G75)
	High win	2000MST ds caused wid	lespread min	or damage in	cluding one re	oof partia	ally ripped off and o	one power pole snapped.
TEXAS, Mid - South								
THEN A C. NI 41.	NONE F	REPORTED.						
TEXAS, North TXZ091	Montague							
122071	01	1800CST			0	0		Heavy Snow
	An unno	2300CST	onaa mayad	aarass norths	m Toyor rocu	lting in 1	wideenrood presinit	tation. As an arctic high pressure systen
	* *					_		nes of snow occurred north of a Coleman
					_		ılted in a few indire	
TXZ103	Denton				•			
	06	0900CST 1500CST			0	0		Heavy Snow
	across m	uch of the reg	ion. North o	of a Graham t	o Fort Worth	to Carth	age line, one to thr	with cold air already in place, snow fel ee inches occurred. Numerous accident Dallas/Fort Worth area.
TXZ118	Tarrant	rr J		,	,			***
		•				-		Extreme Cold the home and the temperature fell to 20 ecutive nights. F75PH
TXZ118	Tarrant	norde. Overill	, wiiipeiau	ares ten into t	mu teens ê	cross ult	c area for two conse	2000 1 / Ji II
	17	1700CST			0	0		High Wind
	_	-	-	-				ntense pressure gradient behind the fron the minor damage resulted across much o
		xas from these		•	- ,		. •	-
Mills County	North Te	xas from these	e winds.	-	·			

**Mills County** Goldthwaite 17 2100CST 0 **Thunderstorm Wind** 

		Time Local/	Path Length	Path Width	Number Person		Estimated Damage	January 1996
Location	Date	Standard	(Miles)	(Yards)		Injured	Property Crops	Character of Storm
TEXAS, North								
3.500 G	Several	trees were blow	n down onto	Highway 21	18 west of tov	vn.		
Mills County Priddy	17	2105CST			0	0		Hail (0.75)
Erath County	17	2103C51			U	U		11an (0.73)
2 W Stephenville	17	2115CST			0	0		Thunderstorm Wind (G52)
Hamilton County								,
10 S Hamilton	17	2131CST			0	0		Hail (1.00)
Hood County								
Cresson	17 Tip was	2145CST blown off the r	oof of a barr	by high wir	0 nde	0	5K	Thunderstorm Wind
Parker County	1 III was	blown off the f	001 01 a ball	i by mgn wn	ius.			
Aledo	17	2150CST			0	0		Hail (0.75)
Tarrant County								(******)
Ft Worth	17	2150CST			0	0		Hail (0.88)
Tarrant County								
Crowley	17 The rese	2153CST	alovum off by	, lai ala vyim da	0	0	5K	Thunderstorm Wind
Johnson County	1116 100	f of a barn was l	biowii oii by	iligii wilius.				
Burleson	17	2155CST			0	0	75K	Thunderstorm Wind
			Thomas Ap	artment com	plex were un	roofed ar	nd some mobile hom	
<b>Fannin County</b>								
Ivanhoe	17	2155CST 2200CST	2.5	150	0	5	150K	Tornado (F2)
	A short		g tornadic c	irculation de	veloped on t	he left si	de of a bow echo ty	ype thunderstorm north of Bonham. The
								nage to homes and another mobile home
	also occ	curred.			-		_	
<b>Tarrant County</b>								
Dalworthington	17	2210CST			0	0		Hail (1.50)
Tarrant County Mansfield	17	2210CST			0	0		Thunderstorm Wind
Mansheid		vas blown down	onto a road	by high wind		U		Thunderstorm wind
Hill County	111100 11	. 45 616 46	omo u roud	oj mgn wii				
Lake Whitney	17	2213CST			0	0	25K	Thunderstorm Wind
	High wi	inds damaged a	couple home	es; one had it	s roof partial	ly remov	ed. A tree fell onto a	nother one.
Dallas County	15	221 4 CCT			0	•	217	777
Lancaster	17 Downbi	2214CST	ged trees an	d nower line	U s just north of	<b>0</b> f tornado	2K track number two.	Thunderstorm Wind
Tarrant County	Downer	arst winds dama	ged trees un	a power mie	gust north of	tornado	track nameer two.	
Arlington	17	2220CST			0	0	15K	Thunderstorm Wind (G61)
	A tree w	vas blown onto a	a house by h	igh winds.				
Mclennan County								
Waco	17 Windo o	2224CST gusts to 70 mph	wara ranarta	d at the Mal	0 onnon Countr	0 Airmort		Thunderstorm Wind (G61)
Tarrant County	willus g	gusts to 70 mpn	were reporte	at the Mch	eman County	Anport	•	
Grand Prairie	17	2225CST			0	0	20K	Thunderstorm Wind
		f of a business v	vas blown of	ff by high wi	nds at Highw			
Mclennan County								
Waco	17	2225CST		-1	0	0	2K	Thunderstorm Wind
Dollag County	Power II	ines were blown	down by m	gn winds.				
Dallas County De Soto	17	2233CST	3	50	0	1	750K	Tornado (F1)
		2240CST						, ,
								ty produced 7 short track tornadoes and a
								to and Lancaster areas with an estimated e survey revealed 7 individual tracks in
		County and one				manigs.	7 m m depur damag	e survey revenied / marviadar tracks in
		•						
					nd Road/Woo	odland H	fill and lifted at the	intersection of Belt Line Road and I-35
<b>D</b> II G	where a	n 18 wheeler wa	is blown ove	er.				
Dallas County	17	2240CCT	0.5	50	0	0	750K	Tornada (E2)
Lancaster	17	2240CST 2242CST	0.5	30	U	U	JOUN	Tornado (F2)
	Tornado		eveloped nea	r I-35/Idlewi	ld Ct. and lif	ted near l	Marsalis/Pleasant Ru	ın Rd.
<b>Dallas County</b>								
Lancaster	17 Dovumbu	2241CST	and tu	d morris - 1!:	0	0 Stamada	2K	Thunderstorm Wind
	Downbl	ıısı winas aama	geu irees an	u power line	s just north 01	погладо	track number two.	

		Time Local/	Path Length	Path Width	Number Persons		Estimated Damage		January 1996
Location	Date	Standard	(Miles)	(Yards)		jured	Property Crops	Character of Storm	
TEXAS, North									
<b>Dallas County</b>									
Lancaster	17	2242CST 2245CST	1.5	50	0	0		Tornado (F1)	
	Tornado		ouched down	near Spring	mont/Pleasan	t Run R	Rd. and lifted near Alie	cia/Prescott.	
Dallas County					,				
Lancaster	17	2243CST	1.2	50	0	0		Tornado (F1)	
	Tornada	2247CST	wahad dawn	noor Donloo	/Suppy Mood	ory and	lifted near Dallas Ave	/Stanford	
Dallas County	Tornado	number four to	uchea down	near Doniee	Sulling Meado	ow and	inted near Danas Ave	e./Stamord.	
Lancaster Lancaster	17	2247CST	0.1	10	0	0		Tornado (F0)	
		number five br			Wintergreen/7			()	
Dallas County									
Lancaster	17	2247CST 2250CST	2	50	0	0		Tornado (F0)	
	Tornado		iched down ii	ust south of t	tornado numb	er five a	and produced minor d	amage along a two m	ile long path.
Mclennan County			J.				F		
Waco	17	2250CST			0	0	25K	Thunderstorm V	Wind
	The "Bes	st for Less" hote	el office roof	was blown o	off by high wi	nds.			
Dallas County		2250 CCT	_	<b>50</b>	•	•		T 1 (T1)	
Seagoville	17	2250CST 2300CST	5	50	0	0		Tornado (F1)	
	Tornado		touched dow	n near LBJ/1	75 and move	d into K	Kaufman County.		
Hill County									
Hubbard	17	2255CST			0	0	2K	Thunderstorm V	Wind
	Power lin	nes were blown	down by hig	gh winds.					
Hill County Hillsboro	17	2300CST			0	0	15K	Thunderstorm V	Wind
HIIISDOFO		nds severely da	maged a mob	ile home and				i nunderstorin v	Willa
Kaufman County	8								
Talty	17	2300CST	4	50	0	0		Tornado (F1)	
	T1-	2310CST		7f C		- C C	:11- 4 4	4 41 4 4 - 1 4	. T-14 1 T11
							oville then moved eas fman County from th		n Taity and Terreii
Kaufman County	where th	e paul chucu. C	onsiderable	iurai dainage	was reported	i iii ixau	illian County Ironi tii	is storm.	
Crandall	17	2300CST			0	0	2K	Thunderstorm V	Wind
	Power lin	nes were blown	down by hig	gh winds.					
Kaufman County									
Terrell	. 17	2314CST	1 1 1.	1 . 1	0	0	2K	Thunderstorm V	Wind
N	A power	pole was blow	n down by ni	gn winds.					
Navarro County Corsicana	17	2320CST			0	0	10K	Thunderstorm V	Wind
Corsicana			mobile home	, an outbuild			rse trailer 20 feet. Five		
<b>Hopkins County</b>	•								
Cumby	18	0009CST			0	0	2K	Thunderstorm V	Wind
		d power lines w	vere blown do	own by high	winds.				
TXZ119	Dallas	00000000			4	0		E-t C-11	
	22 Overnigh	0900CST ht temperatures	fell into the	mid to uppe	=		ive nights and severa	Extreme Cold  I homeless people we	re found frozen to
	- C	ound the city. I		1.1		onsecut	ive inghts and severa	i nomeress people we	re round frozen to
TEXAS, North Panhano		•	•						
TXZ001>010-012-017	Dallam - Sl	herman - Hans	sford - Ochil	tree - Lipsc	omb - Hartle	y - Mo	ore - Hutchinson - R	oberts - Hemphill - 1	Potter - Randall
	17	1100CST 0000CST			0	0	500K	High Wind (G60	0)
	18 High wir		ov a strong pr	essure gradi	ent severely d	lamaged	d an apartment compl	ex in Amarillo, TX, S	Sustained winds of
	_	-		_	•	_	northern Texas panhai		distance winds of
		1 6		1	1		1		
TXZ001>014-016>018	Dallam - Sl	herman - Hans	sford - Ochil	tree - Lipsc	omb - Hartle	v - Mo	ore - Hutchinson - R	oberts - Hemphill -	Oldham - Potter -
		ray - Deaf Sm				•		•	
	17	1900CST			0	0		Winter Storm	
	18 Near blia	0800CST	s closed dow	n most of the	e north and co	ntral Ta	exas panhandle. Inters	tate 40 was closed fro	om Amarillo to the
		zzaru condition xico state line.	s closed dow	n most or the	o norui ana ce	nual It	zas paimanuie, inters	naic 40 was closed If	m Amarino to tile
TEXAS, Northeast	11077 1710	June IIIIe.							
Wood County									
Alba	18	0015CST			0	0		Thunderstorm V	Wind (G60)
	G 1	0125CST		20					
	Several t	rees blown dov	vn on FM 170	JU.					

		Time	Path	Path	Number		Estimate		January 1996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed Ir	s ijured	Damage Property	Crops	Character of Storm
TEXAS, Northeast									
Camp County Pittsburg	18	0035CST 0040CST			0	0			Thunderstorm Wind (G65)
	Several	large trees blow	n down.						
Titus County							4 = -		
Mt Pleasant	18	0040CST 0050CST			0	0	15K	0	Thunderstorm Wind (G70)
							dings and cau	ised a ro	of to collapse on an apartment complex
Gregg County	10	0102CST			0	0			The desired (C(0)
Gladewater	18	0102CS1 0110CST			U	U			Thunderstorm Wind (G60)
	Trees we	ere blown acros	ss power line	s knocking o	ut power.				
Rusk County 1 S Price to	18	0105CST			0	0			Thursdaystawn Wind (C62)
Price 10	10	0105CS1 0110CST			U	U			Thunderstorm Wind (G62)
	Trees we	ere blown dowi	across Hw	42 one mile	south of Price	e.			
Morris County	10	0110.007			0	•			TI 1 (C(A))
Naples	18	0110CST 0115CST			0	0			Thunderstorm Wind (G60)
	Large tre	ees blown over.							
Gregg County									
Liberty City	18	0112CST 0120CST			0	0	1K	0	Thunderstorm Wind (G65)
	Several	trees were repo	rted blown d	own along w	ith gas pumps	from a	local gas stat	tion.	
Marion County									
10 SW Jefferson to Jefferson	18	0115CST 0125CST			0	0			Thunderstorm Wind (G60)
Jenerson	Several	trees were blow	n down.						
<b>Bowie County</b>									
4 W New Boston to	18	0120CST			0	0			Thunderstorm Wind (G60)
New Boston	House s	0130CST hingles were rip	oped off a ro	of and a tin s	hed's roof was	damag	ed.		
Gregg County			· F						
Longview	18	0120CST			0	0	10K	0	Thunderstorm Wind (G65)
	Several	0135CST trees were upro	oted includi	ng one free w	hich fell acros	ss a hou	se. No iniuri	es were	reported
Morris County	Several	arees were upro	oted meradi	ing one tree ii		,, u 110 u	se. 1.0 mjari	.05 ., 010 .	i epottedi.
Dangerfield	18	0125CST			0	0			Thunderstorm Wind (G60)
	Trees w	0130CST ere blown over.							
Harrison County	TICCS W	ere blown over.							
5 N Hallsville to	18	0130CST			0	0			Thunderstorm Wind (G70)
Hallsville	NT	0145CST	1	EM 45	0				
Cass County	Numero	us trees were b	lown down a	icross FM 45	0.				
8 NW Atlanta to	18	0135CST			0	0			Thunderstorm Wind (G60)
Atlanta		0145CST			_				
и . с	Several	trees were blow	n down bloc	king Hwy 77	<b>'</b> .				
Harrison County 1 W Marshall to	18	0140CST			0	0			Thunderstorm Wind (G60)
Marshall		0155CST			v	v			Thunderstorm wind (Goo)
	Several	trees blown dov	wn blocking	Hwy 449.					
Harrison County Hallsville	18	0200CST			0	0	5K	0	Thunderstorm Wind (G70)
Hansvine	10	0210CST			v	U	ж	U	Thunderstorm wind (G70)
	A 15x30	) foot shed was	completely l	olown away a	and several roo	ofs were	blown off b	uildings.	
Marion County	10	0200000			0	0			There de Wind (C(5)
Jefferson	18	0200CST 0210CST			U	U			Thunderstorm Wind (G65)
	Numero	us trees were b	lown down.	Some blocki	ng roadways f	or up to	eight hours.		
Harrison County	••	1 < 1 <b>A</b> C/C C C C C C C C C C C C C C C C C C							N (0 N
Waskom	23	1612CST 1615CST			0	0			Hail (0.75)
TEXAS, South									
TXZ252>255	Starr - Hid	lalgo - Willacy	- Cameron						
	07 08	2200CST 1000CST			0	0	0		Extreme Cold
			s were the	coldest in six	years. Trop	ical orn	amental plan	its and s	ome commercial leafy vegetables were

Temperatures in the 20s were the coldest in six years. Tropical ornamental plants and some commercial leafy vegetables were damaged.

	Storm	Data a	and U	nusu	al Wea	the	r Phenoi	mena	
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed In		Estimated Damage Troperty Crops	Character of Storm	January 1996
TEXAS, South TXZ255	Cameron 17 Winds b Brownsv		owns of nine	story buildi	<b>0</b> ing in Harling	<b>2</b> en. Amp	phitheater and thre	High Wind	nopies collapsed in
TEXAS, South Central Llano County Llano TEXAS, South Panhan	17	2140CST 2150CST			0	0		Thunderstorm	Wind (G60)
TXZ033>036-039>042	<b>17</b> High wir		cross part of t		Ó	0		High Wind (G5	
TEXAS, Southeast Jefferson County		es to less than	1/2 mile.						
Beaumont TEVAS West	26 Several s	1000CST 1500CST streets and und	erpasses were	e impassable	0 due to high w	0 ater.		Urban/Sml Stre	eam Fld
TEXAS, West TXZ057	02 Three to		snow fell in		•		nd five inches fell tico and Far West 1	Heavy Snow at Guadalupe Pass fr	rom an upper level
TXZ074	Davis Mou 02	ntains 0530CST 1300CST			0	0		Heavy Snow	i de la
TXZ057	Van Horn 17 A wind hurricand famous f	And Salt Flat 0930MST 2300MST event for the e force from a for wind event	Basin history books bout 1000 a s elderly rand	s occurred w m until abou hers in the a	ovith a peak wint 300 pm with rea said they l	0 nd gust o h a maxi nad never	250K of 128 mph at Guamum sustained with seen the wind bloom	High Wind (G1 adalupe Pass. The s ind of 105 mph. Al w so hard. The high- ver most of the warni	11) ustained wind was though the Pass is est winds and most
	Pass. A  At Guad by blow	list of the mor	e significant i ns National I e stationary s	eports follow Park about 20 tep van was	vs.  O vehicles sust overturned in	ained dar	nage such as broke	nost substantial dama en windows and pain so ripped out over 10	t being chipped off
	Transpor shaken g	rtation facility	a roof was bear that the ro	olown off on oof of his bu	e building.	Ouring the give way t	e event a coordinate to the wind at any	ross the highway at tion call to the site f moment. A series o	ound an obviously
	Van Hor killed wi Safety re	n at 1550 CST hen he drove l	the mishap nis car into a t visibilities v	was partially parked trails	y blamed on the er truck which	e low visi had just	ibilities in the area. been involved in	eastbound lane of I-l A 56 year old South an accident. The De lity of 50 feet being o	Carolina man was partment of Public
TXZ074	_	1100CST 1600CST ast recorded at			-			High Wind (G6	alpine and part of a
TXZ058	blown ov Reeves Cou 17	ver. unty And Upp 1149CST	er Trans Pe	cos	0	0	5K	High Wind	0
	A travel	trailer was blo	wn over by st	rong cross w	ınds on U.S. F	11ghway 2	285 5 miles northw	est of Orla.	

0 0

High Wind (G52)

TXZ062

Midland

17

1200CST 1900CST

	Storm	Data	and U	nusu	ai vv	eatn	er Pn	enoi	mena	
cation	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		ber of sons Injured	Estim Dama Property		Character of Storm	January 1996
EXAS, West	The low		( 12)	(,	30 CST. T	he peak w	1	- 1	ed at 1236 pm CST.	

Across much of the region brief light rain showers were occurring. Combined with the blowing dust, the rain became mud showers. It rained only enough to allow dirt to adhere to vehicles. For weeks muddy cars could be seen driving around the region due to excessively long lines at commercial car washes. A manager at a Midland car wash said that the first week after the mud storm was his busiest on record, more than tripling his usual business. He said that business would have been even better, except that people decided not to wait in the long lines. This same scenario was played out across much of the Permian Basin.

Andrews

17 1220CST 0 0 Tight Wind (G79)

Recorded at the Andrews County Airport.

Recorded at the Andrews County Airport. TXZ045 Gaines 1300CST 0 High Wind (G59) Recorded at the Gaines County Airport. **TXZ080** Marfa Plateau 1430CST High Wind (G64) 17 Recorded at the Aerostat site...19 miles west of Marfa. **TXZ080** Marfa Plateau 1450CST High Wind (G55) 17 Recorded at the Marfa Airport. **TXZ060** Winkler 1500CST 0 35K High Wind (G61) 17

A 300-foot tall light stanchion crashed to the ground at the Wink Football Stadium. At 1727 CST the peak wind gust of 70 mph occurred at the Winkler County Airport and the visibility was reduced to 3/4 mile from 1509-1640 CST. In Kermit poles were blown down around town.

TXZ058 Reeves County And Upper Trans Pecos

17 1630CST 0 0 35K High Wind
1730CST

An 80-foot pole holding an Exxon sign at the associated service station in Pecos broke at a joint during high winds and leaned precariously, but did not fall. Also during the height of the winds, travel trailers were blown over, shingles were taken off roofs, power poles were broken, etc. Four car mishaps were blamed partly on the low visibilities during the high winds. At Balmorhea, a carport collapsed on a car.

TXZ067 Ward

17 1700CST 0 0 10K High Wind (G70) 1830CST

A bank sign was damaged and numerous poles were downed in Monahans.

TXZ052 Howard

17 1900CST 0 0 10K High Wind 2000CST

Windows were blown out of some homes and a carport was blown out into the street in Big Spring.

TEXAS, Western North

**TXZ050** 

TXZ087>090 Knox - Baylor - Archer - Clay
01 0200CST 0 0 Heavy Snow

A strong cold front moved into North Texas during the very early morning hours of New Year's Day. Rainfall behind the front turned to snow within a few hours of frontal passage, and lasted until very late evening.

One area of heavier snow fell from Knox City to Henrietta. During the more than 18 hours of snowfall, snow accumulations reached 4 inches in Knox City in Knox County and in Archer City in Archer County.

TXZ083>090 Hardeman - Foard - Wilbarger - Wichita - Knox - Baylor - Archer - Clay

17 2200CST 0 0 5K High Wind (G41)

18 0100CST

A strong cold front moved into North Texas the evening of January 17th, accompanied by sustained winds up to 37 mph with gusts as high as 41 mph in Wichita Falls. These strong gradient winds blew a tree onto a truck in Wichita Falls in Wichita County.

Wichita County Wichita Falls

17 2300CST 0 0 Thunderstorm Wind (G58)

Severe thunderstorm winds up to 67 mph were measured at a television station in Wichita Falls in Wichita County.

**UTAH, North, Central and South** 

NONE REPORTED.

**UTAH, Northeast** 

NONE REPORTED.

**VERMONT, North and Central** 

VTZ001>012 Grand Isle - Franklin - Orleans - Essex - Chittenden - Lamoille - Caledonia - Washington - Addison - Orange - Rutland -

Windsor

03 0000EST 0 0 95K Winter Storm 2359EST

ocation	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number Persons Killed Ir	3	Estimated Damage Property Cro	January 199 Character of Storm
ERMONT, North		Standard	(ivines)	(Tarus)	11	jarea 1	Toperty Cro	ps Character of Storm
		ystem along th	ne Mid Atlan	tic coast Tue	sday night (1/	2/96)		
								noon (1/3/96). Snow became steady acro
	Vermont a	around 3 AM	Wednesday	morning and	ended late W	ednesday	night.	
	Snow acci	umulations ra	nged from 2	to 5 inches i	n Grand Isle	Franklin.	Orleans, Esse	x and Caledonia counties. In Chittenden a
			-					Orange, Addison, Washington and Winds
	counties.							
				14.	1 1 16 .	1. (11.	11	
								nty), 13.3 inches in South Lincoln (Addisonty), 12 inches in Danby 4 Corners (Rutla)
	County),	13 menes m	Jilloli Villag	e (Orange et	Junty) and Re	chester (	Willuson Cour	rty), 12 menes in Danoy 4 Corners (Ruda
	•							
		minor auton	nobile accide	ents were rep	orted across	the state	with widespro	ead power outages in Central and Southe
	Vermont.							
VTZ008	Washington							
V12000	05	0000EST			0	0		Record Temperature
		2359EST	6 : 15			<b>5</b> 100		, , , , , , , , , , , , , , , , , , ,
VT7005		w temperature	of minus 17	set at Montp	belier on Janu	ary 5, 199	<i>9</i> 6.	
VTZ005	Chittenden 06	0000EST			0	0		Record Temperature
	00	2359EST			v	v		Record Temperature
		w temperature	of minus 23	set at Burlin	gton on Janua	ary 6, 199	6	
VTZ007	Caledonia	0000ECT			0	0		D 175 4
	06	0000EST 2359EST			0	0		Record Temperature
	Record lo	w temperature	of minus 25	set at St Joh	nsbury on Jai	nuary 6, 1	996.	
VTZ001>012		Franklin - O	rleans - Ess	ex - Chitten	den - Lamoil	le - Caled	lonia - Washi	ngton - Addison - Orange - Rutland -
	Windsor	1200ECT			0	0	0.017	<b>**</b> *** 4 - 64
	12 13	1300EST 0800EST			0	0	80K	Winter Storm
	A storm s	ystem over ea						
		along the Nor						
		the New Jerse to the maine c				ng		
	normeast	o me mame c	oasi Saturua	y morning (1.	(13/90).			
	Steady sn	ow began acr	oss the state	during the	mid and late	afternoon	of Friday, wi	th the heaviest snow falling between 9 P
	•		-			ont, the sn	ow ended arou	and 5 AM Saturday morning (1/13/96) whi
	ending arc	ound 8 AM Sa	turday in So	uthern Verme	ont.			
	In general	3 to 6 inches	fell in the V	Jermont cour	ities of Chitte	nden Fra	nklin Grand I	sle, Orleans, Essex, Caledonia and Lamoil
	•							rier amounts were: 11 inches in Montpeli
				_ ,				range County) and 7 inches in both Sou
	Lincoln (A	Addison Coun	ty) and Wall	ingford (Rutl	and County).	Numerou	s minor autom	obile accidents were reported statewide.
VTZ005	Chittenden							
	18	0000EST 2359EST			0	0		Record Temperature
	Record his	gh temperatur	e of 53 set o	n January 18,	1996.			
		-						
VTZ007	Caledonia							
	18	0000EST			0	0		Record Temperature
	Record his	2359EST gh temperatur	e of 55 set at	St Johnsbur	v on January	18. 1996.		
VTZ005	Chittenden	5 F			,	,,		
	19	0000EST			0	0		Record Temperature
	Doggad hi	2359EST	o oot ot Dumli	matan of 65 c	m Tompomy 10	1006		
VTZ007	Caledonia	gh temperatur	e set at buili	ngion or os c	ni January 19	, 1990.		
V12007	19	0000EST			0	0		Record Temperature
		2359EST	6.50	G. I.I.				
		gh temperatur						
NUTRIZOON ON CO		rranklin - O	rieans - Ess	ex - Chitten	aen - Lamoil	ie - Caled	ıonıa - Washi	ngton - Addison - Orange - Rutland -
VTZ001>012								
VTZ001>012	Windsor	0900EST			2	0	2.8M	Flood
VTZ001>012	Windsor 19 20	0900EST 1200EST			2	0	2.8M	Flood
VTZ001>012	Windsor 19 20 A strong	1200EST storm system			akes on Thu	rsday (1/	18/96) and the	Flood en moved into Canada thereafter on Frid in above normal temperatures, strong win

cocation	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number Persor Killed I	IS	Estimated Damage Property Cro	ps Character of Storm	January 199
VERMONT, North and	d Central			. ,			1	•	
	Two death	ns were attrib	outed to the	flooding A v	zoung girl dr	owned (1	/19/96) trying t	to rescue her father who	en car was swent h
	water.	is were aurio	died to the	nooding. A y	oung giri ui	owned (1	(1)/)0) trying (	to rescue her rather with	en car was swept o
	The father	died 2 days l	later (1/21/96	6) from injuri	es and hypot	hermia su	ffered from the	accident on 1/19/96.	
		roads were on County).	washed out	due to the	flooding stat	ewide. W	ater was repor	ted up to the level of	car doors in Berli
	_				•			f the higher gusts were v. Numerous power out	
X/ID/Z010	•	rted. F14VE,	M50VE						
VTZ012	Windsor 20	1700EST			0	0	5K	Flood	
	20	1700EST			U	U	3IX	rioou	
	An ice jan		he Connection	cut River with	h water backi	ng up the	tributary rivers	in Vermont. Route 5 in	the Springfield ar
	was closed	d due to high	water.						
VTZ005	Chittenden								
	27	0000EST 2359EST			0	0		Record Temp	erature
	Record his	gh temperatur	e of 53 set a	t Rurlington	on Ianuary 2	7 1996			
VTZ002>003-005>007-	Franklin - O			-	•		ıtland		
009-011						_	*****		700
	27	0900EST 1600EST			0	1	220K	High Wind (C	383)
	Saturday r	morning (1/27	7/96) and the	en into Canac	la. Snow spre	ead into V	ermont around	d moved to the central 3 AM 1/27/96but ch re 1 to 3 inches of snow	anged to rain arou
	blown ove	er onto a perso		n leg injuries	, School roof	damage i	n Cambridge (I	Lamoille County) with e	stimated winds of
	blown ove knots, Ne (Chittende Across the	er onto a perso wport (Orlea en County).	on resulting i	n leg injuries reported nu	, School roof merous trees	damage i blown	n Cambridge (I down and obje		estimated winds of damage in Jericl
ERMONT, South	blown ove knots, Ne (Chittende Across the	er onto a perso wport (Orlea en County).	on resulting i	n leg injuries reported nu	, School roof merous trees	damage i blown	n Cambridge (I down and obje	Lamoille County) with e	estimated winds of a damage in Jerich
VERMONT, South VTZ013>014	blown ove knots, Ne (Chittende Across the	er onto a perso wport (Orlea en County). e entire state long rivers.	on resulting i	n leg injuries reported nu	, School roof merous trees	damage i blown	n Cambridge (I down and obje	Lamoille County) with e	estimated winds of a damage in Jerich
	blown ove knots, Ne (Chittende Across the flooding al Bennington - 02	er onto a perse wport (Orlea en County). e entire state long rivers. - Windham 2000EST	on resulting i	n leg injuries reported nu	, School roof merous trees	damage i blown	n Cambridge (I down and obje	Lamoille County) with e	estimated winds of a damage in Jerich
	blown ove knots, Ne (Chittende Across the flooding al Bennington - 02 03	er onto a perso wport (Orlea en County). e entire state long rivers. • Windham 2000EST 2000EST	on resulting in County) there were r	n leg injuries reported nu umerous rep	, School roof merous trees orts of many	damage is blown of large tre	n Cambridge (I down and obje es blown down	Lamoille County) with elects blown about, roofextensive power outa  Heavy Snow	estimated winds of damage in Jericle gesand minor fie
	blown ove knots, Ne (Chittende Across the flooding al Bennington - 02 03 A major w	er onto a perso wport (Orlea en County). e entire state long rivers. - Windham 2000EST 2000EST	on resulting in county) there were releveloped over	n leg injuries reported nu umerous rep er the Gulf co	, School roof merous trees orts of many  0  oast states on	damage is blown of large tre  0  January 2	n Cambridge (I down and objections of the comments of the comm	Lamoille County) with eacts blown about, roof extensive power outa  Heavy Snow  I northeast along the eas	estimated winds of damage in Jericl gesand minor fie
VTZ013>014	blown ove knots, Ne (Chittende Across the flooding al Bennington - 02 03 A major w January 3r	er onto a perso wport (Orlea en County). e entire state long rivers. • Windham 2000EST 2000EST vinter storm dd. Heavy sno	on resulting in county) there were releveloped over	n leg injuries reported nu umerous rep er the Gulf co	, School roof merous trees orts of many  0  oast states on	damage is blown of large tre  0  January 2	n Cambridge (I down and objections of the comments of the comm	Lamoille County) with elects blown about, roofextensive power outa  Heavy Snow	estimated winds of damage in Jericl gesand minor fie
	blown ove knots, Ne (Chittende Across the flooding al Bennington - 02 03 A major w	er onto a perso wport (Orlea en County). e entire state long rivers. - Windham 2000EST 2000EST vinter storm d d. Heavy sno - Windham	on resulting in County) there were releveloped over	n leg injuries reported nu umerous rep er the Gulf co	, School roof merous trees orts of many  0  oast states on	damage is blown of large tre  0  January:	n Cambridge (I down and objections of the comments of the comm	Lamoille County) with eacts blown about, roof  Leavy Snow  I northeast along the easing from 10 to 12 inches	estimated winds of a damage in Jerich gesand minor fie
VTZ013>014	Bennington - 12 13	er onto a person word (Orleas en County).  e entire state long rivers.  - Windham 2000EST 2000EST zinter storm dd. Heavy snot - Windham 1200EST 0300EST	on resulting in the county) there were releveloped over the county of th	n leg injuries reported nu numerous reported nu numerous reported the Gulf constant of the Gu	, School roof merous trees orts of many	damage is blown of bl	n Cambridge (I down and objections of the comment es blown down down and tracked the comment of	Lamoille County) with eacts blown about, roof  Lamoille County) with eacts blown about, roof  Heavy Snow  I northeast along the easing from 10 to 12 inches  Heavy Snow	estimated winds of a damage in Jerich gesand minor fie stern seaboard durings.
VTZ013>014	Bennington - 02 03 A major w January 3r Bennington - 12 13 A winter s Heavy sno foot. Son	er onto a perso wport (Orlea en County).  e entire state long rivers.  - Windham 2000EST 2000EST zinter storm d d. Heavy sno - Windham 1200EST storm formed ow fell across ne specific si	on resulting it ins County) there were releveloped over fell across off the coasts southern Ve	n leg injuries reported nu numerous reported nu numerous reporter the Gulf consistency of North Carmont with s	Ocast states on ermont with to the rolling on Jan nowfall total:	damage is blown of large tre  0  January: he averag  0  uary 12ths ranging	n Cambridge (I down and obje es blown down  2nd and tracked e snowfall rang  and moved nor from 6 to 10 inc	Lamoille County) with eacts blown about, roof  Leavy Snow  I northeast along the easing from 10 to 12 inches	estimated winds of damage in Jerich gesand minor fie stern seaboard duris.
VTZ013>014  VTZ013>014	Bennington - 02 03 A major w January 3r Bennington - 12 13 A winter s Heavy sno	er onto a perso wport (Orlea en County).  e entire state long rivers.  - Windham 2000EST 2000EST zinter storm d d. Heavy suc - Windham 1200EST storm formed ow fell across ne specific si County.	on resulting it ins County) there were releveloped over fell across off the coasts southern Ve	n leg injuries reported nu numerous reported nu numerous reporter the Gulf consistency of North Carmont with s	Ocast states on ermont with to the rolling on Jan nowfall total:	damage is blown of large tre  0  January: he averag  0  uary 12ths ranging	n Cambridge (I down and obje es blown down  2nd and tracked e snowfall rang  and moved nor from 6 to 10 inc	Heavy Snow I northeast along the easing from 10 to 12 inches Heavy Snow Theast along the coast tiches with a few location	estimated winds of damage in Jericle gesand minor fiestern seaboard duris.
VTZ013>014  VTZ013>014	Bennington - 02 03 A major w January 3r Bennington - 12 13 A winter s Heavy sno foot. Son Windham	er onto a perso wport (Orlea en County).  e entire state long rivers.  - Windham 2000EST 2000EST vinter storm d d. Heavy sno - Windham 1200EST otorm formed tow fell across ne specific st County.  - Windham 0800EST	on resulting it ins County) there were releveloped over fell across off the coasts southern Ve	n leg injuries reported nu numerous reported nu numerous reporter the Gulf consistency of North Carmont with s	Ocast states on ermont with to the rolling on Jan nowfall total:	damage is blown of large tre  0  January: he averag  0  uary 12ths ranging	n Cambridge (I down and obje es blown down  2nd and tracked e snowfall rang  and moved nor from 6 to 10 inc	Heavy Snow I northeast along the easing from 10 to 12 inches Heavy Snow Theast along the coast tiches with a few location	estimated winds of damage in Jericle gesand minor field gesand minor field gesand duri s.
VTZ013>014  VTZ013>014	Bennington - 12 13 A winter s Heavy sno foot. Son Windham Bennington - 19 An intense	e entire state long rivers.  - Windham 2000EST 2000EST 3000EST	on resulting in the county)  there were resulting there were resulting the county)  developed over the coast southern Vernowfall total pressure loc	n leg injuries reported nu numerous reported nu numerous reported ser the Gulf consistent version of North Carmont with ser included 7 numerous reported in the service of North Carmont with service service of North Carmont with service of North C	Occasion of the control of the contr	damage is blown of blown of large tre  0 January: he average 0 uary 12th s ranging ownal in 0 c Region	n Cambridge (I down and object es blown down  2nd and tracked e snowfall rang  and moved not from 6 to 10 int Bennington Co  20K  on Friday morr	Heavy Snow I northeast along the easing from 10 to 12 inches Heavy Snow Theast along the coast to the with a few location ounty and 12 inches in	estimated winds of damage in Jericle damage in Jericle gesand minor field stern seaboard during seasons. Through January 13 as reporting up to o West Wardsboro deced damaging windsceed damaging windsc
VTZ013>014 VTZ013>014	Bennington - 12 13 A winter s Heavy sno foot. Son Windham Bennington - 19 An intense across sou	e entire state long rivers.  - Windham 2000EST 2000EST 3000EST	on resulting is uns. County) there were resulting there were resulting there were resulting the constant of the coast southern Venowfall total pressure loc nt. This sto	n leg injuries reported nu numerous reported nu numerous reported ser the Gulf consistent version of North Carmont with ser included 7 numerous reported in the service of North Carmont with service service of North Carmont with service of North C	Occasion of the control of the contr	damage is blown of blown of large tre  0 January: he average 0 uary 12th s ranging ownal in 0 c Region	n Cambridge (I down and object es blown down  2nd and tracked e snowfall rang  and moved not from 6 to 10 int Bennington Co  20K  on Friday morr	Heavy Snow I northeast along the easting from 10 to 12 inches these with a few location punty and 12 inches in High Wind thing January 19th products	estimated winds of damage in Jericle damage in Jericle gesand minor field stern seaboard durits.  Through January 13 as reporting up to o West Wardsboro deced damaging windsceed dam
VTZ013>014  VTZ013>014  VTZ013>014	Bennington  12 13 A winter s Heavy sno foot. Son Windham Bennington 19 An intense across sou trees, limb Bennington	er onto a person word (Orleasen County).  e entire state long rivers.  - Windham 2000EST 2000EST zinter storm of dt. Heavy snot - Windham 1200EST of torm formed ow fell across one specific sincounty.  - Windham 0800EST are area of low them Vermo os and power since	on resulting is uns. County) there were resulting there were resulting there were resulting the constant of the coast southern Venowfall total pressure loc nt. This sto	n leg injuries reported nu numerous reported nu numerous reported ser the Gulf consistent version of North Carmont with ser included 7 numerous reported in the service of North Carmont with service service of North Carmont with service of North C	Occasion of many  Occasion of	damage is blown of bl	n Cambridge (I down and obje es blown down  2nd and tracked e snowfall rang  and moved not from 6 to 10 in Bennington Co  20K  on Friday mort utherly flow w	Heavy Snow I northeast along the easing from 10 to 12 inches Heavy Snow Theast along the coast the ches with a few location bunty and 12 inches in High Wind High Wind High January 19th production scattered	estimated winds of a damage in Jerich damage in Jerich gesand minor fie stern seaboard duries.  Through January 13 is reporting up to o West Wardsboro acced damaging windsceed damag
VTZ013>014	Bennington - 12 13 A winter s Heavy sno foot. Son Windham Bennington - 19 An intense across sou trees, limb Bennington - 19	er onto a person word (Orleasen County).  Windham 2000EST 2000EST / Vinter storm dr. Heavy snot 1200EST down fell across the specific snot County.  Windham 0800EST 1900EST er area of low thern Vermons and power 1200EST	on resulting is uns. County) there were resulting there were resulting there were resulting the constant of the coast southern Venowfall total pressure loc nt. This sto	n leg injuries reported nu numerous reported nu numerous reported ser the Gulf consistent version of North Carmont with ser included 7 numerous reported in the service of North Carmont with service service of North Carmont with service of North C	Occasion of the control of the contr	damage is blown of blown of large tre  0 January: he average 0 uary 12th s ranging ownal in 0 c Region	n Cambridge (I down and object es blown down  2nd and tracked e snowfall rang  and moved not from 6 to 10 int Bennington Co  20K  on Friday morr	Heavy Snow I northeast along the easting from 10 to 12 inches these with a few location punty and 12 inches in High Wind thing January 19th products	estimated winds of damage in Jericle damage in Jericle gesand minor field stern seaboard durits.  Through January 13 as reporting up to o West Wardsboro deced damaging windsceed dam
VTZ013>014  VTZ013>014  VTZ013>014	blown ove knots, Ne (Chittende Across the flooding all across the flooding all across the flooding all across the flooding all across across across sou trees, limb Bennington 19  An intense across sou trees, limb Bennington 19  An intense across a	er onto a person word (Orleasen County).  Windham 2000EST 2000EST vinter storm did. Heavy snot Windham 1200EST 0300EST county.  Windham 0800EST 1900EST e area of low thern Vermo os and power 1200EST e area of low bly warm ten to the rapid si	on resulting in the county)  there were resulting the county of the coast southern Venowfall total pressure local nt. This sto lines.	er the Gulf costs southern Votes included 7 atted over the rm was associated deepoint to three incident and the results of the costs of the results of the costs of the results of the res	Ocated over the sand strong hes of rain for the solutions of the solutions	damage is blown of bl	n Cambridge (I down and object es blown down  2nd and tracked e snowfall rang  and moved nor from 6 to 10 in Bennington Co  20K  on Friday morr utherly flow w  300K  atlantic region his resulted in r system moved	Heavy Snow I northeast along the easing from 10 to 12 inches Heavy Snow Theast along the coast the ches with a few location bunty and 12 inches in High Wind High Wind High January 19th production scattered	estimated winds of damage in Jericle damage in Jericle gesand minor fiestern seaboard durits.  Through January 13 is reporting up to o West Wardsboro deed damaging winded reports of down muary 19th productions are feet of snow.
VTZ013>014  VTZ013>014  VTZ013>014  VTZ013>014	blown ove knots, Ne (Chittende Across the flooding all across the flooding all across the flooding all across the flooding all across across sou trees, limb Bennington 19 20 An intense unseasona addition to numerous	er onto a person word (Orleasen County).  Windham 2000EST 2000EST vinter storm did. Heavy snot Windham 1200EST 0300EST own fell across the specific storm formed town fell across the specific storm of the word o	on resulting in the county)  there were resulting the county of the coast southern Venowfall total pressure local nt. This sto lines.	er the Gulf costs southern Votes included 7 atted over the rm was associated deepoint to three incident as reported at the costs of North Casts at the costs of North Casts included 7 atted over the rm was associated deepoint to three incident at the costs of the co	Ocated over the sand strong hes of rain for the solutions of the solutions	damage is blown of bl	n Cambridge (I down and object es blown down  2nd and tracked e snowfall rang  and moved nor from 6 to 10 in Bennington Co  20K  on Friday morr utherly flow w  300K  atlantic region his resulted in r system moved	Heavy Snow I northeast along the easing from 10 to 12 inches Heavy Snow Theast along the coast of the ches with a few location bunty and 12 inches in High Wind High Wind Hing January 19th production of the coast o	estimated winds of a damage in Jerich damage in Jerich gesand minor fie stern seaboard durings.  Through January 13 is reporting up to or West Wardsboro weed damaging winder deports of downward 19th productions of the production of the product
VTZ013>014 VTZ013>014	blown ove knots, Ne (Chittende Across the flooding all across the flooding all across the flooding all across the flooding all across across across sou trees, limb Bennington 19  An intense across sou trees, limb Bennington 19  An intense across a	er onto a person word (Orleasen County).  Windham 2000EST 2000EST vinter storm did. Heavy snot Windham 1200EST 0300EST county.  Windham 0800EST 1900EST e area of low thern Vermo os and power 1200EST e area of low bly warm ten to the rapid si	on resulting in the county)  there were resulting the county of the coast southern Venowfall total pressure local nt. This sto lines.	er the Gulf costs southern Votes included 7 atted over the rm was associated deepoint to three incident as reported at the costs of North Casts at the costs of North Casts included 7 atted over the rm was associated deepoint to three incident at the costs of the co	Ocated over the sand strong hes of rain for the solutions of the solutions	damage is blown of bl	n Cambridge (I down and object es blown down  2nd and tracked e snowfall rang  and moved nor from 6 to 10 in Bennington Co  20K  on Friday morr utherly flow w  300K  atlantic region his resulted in r system moved	Heavy Snow I northeast along the easing from 10 to 12 inches Heavy Snow Theast along the coast of the ches with a few location bunty and 12 inches in High Wind High Wind Hing January 19th production of the coast o	estimated winds of a damage in Jerich damage in Jerich gesand minor fie stern seaboard durings.  Through January 13 is reporting up to or West Wardsboro weed damaging winder deports of downward 19th productions of the production of the product

		Time	Path	Path	Number o		Estimate	ed		January 1996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed In		Damag Property	e Crops	Character of Storm	•
VERMONT, South										
	addition		owmelt one	to three inches	of rain fell a	as the sy	stem move	d northeas		nree feet of snow. In Many small streams
VTZ013>014		- Windham	,	,	,	0				
	27	0700EST 2100EST	. 1		0	0	40K	264	High Wind	
	Lakes by evening	the 27th. Thi	s system pro	duced damagii	ng southerly	winds a	cross south	ern Vermo		t to the upper Great morning through the ies.
VTZ014	Windham 27	1745EST 2300EST			0	0	100K		Flood	
	amount	•	lready satura		-	_				hern Vermont. This county. A few road
<u>VIRGIN ISLANDS</u>										
	NONE I	REPORTED.								
VIRGINIA, East										
Williamsburg (C) Williamsburg	02	2305EST	oformon whi	ah aat am adiaa	0	0	20K	a moof and	<b>Lightning</b> portions of the att	:
VAZ048>049-061>062- 068>069		Louisa - Cum					e burned th	e roor and	portions of the att	ic.
000,005	06	1200EST			0	0	100K	15K	Winter Storm	
VAZ060-063-066>067- 070>071-079>083-		1100EST vard - Hanove ty - New Kent							Dinwiddie - Prin	ce George -
087>090-092	06 08	1200EST 1200EST			0	0	115K		Winter Storm	
VAZ077>078-084>086- 091-093>094-096			ster - Gloud	cester - Middl	esex - Math	ews - Y	ork - Isle O	of Wight -	Newport News -	Suffolk
VA 7005 005 000 100	06 08	1500EST 1200EST	, <b>.</b> .	L N d	0	0	50K		Winter Storm	
VAZ095-097>098-100	Nortolk - C 06 08	hesapeake - V 1800EST 1200EST	irginia Bea	cn - Nortnamj	oton 0	0			Winter Storm	
VAZ099	Accomack	2100ECT			0	0			Winter Storm	
	06 08 A major	2100EST 1200EST winter storm (	popularly kr	nown as the "B			eted much o	f the mid-		uring the weekend of
VAZ048>049-060>064-	Fluvanna -	Louisa - Prin	ce Edward ·	· Cumberland	- Goochlan	d - Han	over - Car		rginia and parts of ttoway - Amelia	
067>068-070>076	Henrico - F 11 12	King William - 2300EST 1200EST	King And	Queen - Essex	- Westmore 0	eland - 1 0	Richmond		Heavy Snow	
	The seco	ond storm in le				_			tral and east centred freezing rain. T	al Virginia. Further
Mecklenburg County Clarksville	19 Tree dov	0815EST	erstorm wind	s.	0	0			Thunderstorn	ı Wind
Prince Edward County Farmville	19	0825EST			0	0			Thunderstorn	n Wind (G48)
Cumberland County Countywide	19 Trace on	0830EST	lovom		0	0			Thunderstorn	n Wind
Prince Edward County Farmville	19	0843EST d power lines of			0	0			Thunderstorn	ı Wind
Fluvanna County Countywide	19	0845EST		wnsome bloc	<b>0</b> king roads.	0			Thunderstorn	n Wind
Nottoway County Countywide	19	0850EST rees down.			0	0			Thunderstorn	ı Wind
Louisa County Countywide	19	0900EST			0	0			Thunderstorn	ı Wind

		Time	Path	Path	Number o	f	Estimated		January 1996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed Inj	ured p	Damage Property Crops	Character of Storm	,
VIRGINIA, East									
	Numerou	is trees and po	wer lines down.						
Lunenburg County Victoria	19	OOODECT			0	0	1017	Thunderstorm V	¥723
victoria		0900EST wer built to wi	ithstand 75 mph	winds blow	n down. Tre	0 es down	10K in scattered areas o	of Lunenburg county.	vina
Mecklenburg County	111101010	Wer carries wi	anound to inpi	William olo W		00 00	in source arous o	Lamenous county.	
Countywide	19	0900EST			0	0		Urban/Sml Stre	am Fld
	Low lyin	1400EST	several secondar	v roads tem	norarily close	d by flor	oding, as well as so	me city streets	
Amelia County	Low Iyin	g portions or a	severar secondar	j rodds terri	porurny crose	<b>u</b> 0 y 110 (	ouring, as were as so	are erry success.	
Amelia	19	0910EST			0	0		Thunderstorm V	Vind
	Trees and	d power lines	down at Amelia	Courthouse	·.				
Powhatan County Powhatan	19	0915EST			0	0		Thundoustonn V	Vid
rownatan		d power lines	down.		U	U		Thunderstorm V	VIIId
<b>Goochland County</b>									
Countywide	19	0915EST			0	0		Thunderstorm V	Vind
a	Numerou	is trees and po	wer lines down.	most in ea	stern part of	county.			
Chesterfield County Western Portion	19	0930EST			0	0		Thunderstorm V	Wind
western rortion			atan/Chesterfiel	d county lin		Ū		Thunderstorm	VIIIu
<b>Hanover County</b>				•					
Beaver Dam	19	0950EST			0	0		Thunderstorm V	Vind
CI 4 6 11 C 4	Large tre	e down near E	Beaver Dam.						
Chesterfield County Midlothian	19	0955EST			0	0		Urban/Sml Stre	am Fld
Mulotilan		1100EST							ani i iu
	Street flo	oding in Rich	mond/portions o	of Chesterfie	eld county. F	ew roads	s closed temporarily		
Powhatan County Countywide	19	1000EST			0	0		Thunderstorm V	Wind
Countywide		as trees down a	across county.		U	U		i nunuei storm	VIIIu
Henrico County			, .						
Countywide	19	1000EST			0	0		Thunderstorm V	Vind
<b>T</b> G	Many tre	es downsom	ne across roads.						
Hanover County Countywide	19	1000EST			0	0		Thunderstorm V	Wind
Countywide			wer lines down.		U	U		Thunderstorm	V IIIu
Caroline County		•							
Countywide	19	1000EST 1400EST			0	0		Urban/Sml Stre	am Fld
	Low lvir		several county	roads tem	porarily floor	ded by h	heavy rain and sno	w melt. Clogged sto	orm drains helped
		e to the proble			r				
<b>Dinwiddie County</b>									
Mc Kenney	19 Covered to	1001EST	u linas darum		0	0		Thunderstorm V	Vind
Prince George County	Several t	rees and powe	r lines down.						
Countywide	19	1015EST			0	0		Thunderstorm V	Wind
·	Trees do	wn on several	county roads.						
Petersburg (C)									
Petersburg	19 Couple to	1015EST	p of large cedar	trae blown	0	0		Thunderstorm V	Vind
New Kent County	Couple ii	ices down. To	op of large cedar	lice blown	out.				
Countywide	19	1020EST			0	0		Thunderstorm V	Vind
•	Trees and	d power lines	down.						
King William County									
Manquin	19 Trees do	1025EST wn across road	1		0	0		Thunderstorm V	Vind
King William County	11003 00	401055 1040							
Central Portion	19	1030EST			0	0		Thunderstorm V	Vind
	House ro	of damaged.							
Essex County	40	10=0===			^			700	*** 1
Millers Tavern	19 Trees do	1050EST wn on Rte 360	O Trees down	long Rtec	<b>0</b> 527 and 628 i	U n vicinit	ty of Beasley and Ro	Thunderstorm V	Vind
Southampton County	11008 00	wii oli Kie. 30	o. Tices dowll a	nong Kies.	521 and 020 l	ıı vicilili	y of Beasiey and Ki	caouig.	
3 NW Franklin	19	1051EST			0	0		Thunderstorm V	Wind
	т '	1110EST	delin 4- C. II	Tag 1	dow 1		A100 #		
	rrees do	own from Fran	ikini to Sediey.	rrees aiso	uown near l	bernn	AISO, HUITIETOUS DO	wer lines down in Se	uicy, as well as a

Trees down from Franklin to Sedley. Trees also down near Berlin. Also, numerous power lines down in Sedley, as well as a couple of trees down on homes.

		Time	Path	Path	Number		Estimated		January 1996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed Ir		Damage Property Crops	Character of Storm	Junuary 1990
VIRGINIA, East									
Surry County Central Portion	19 Numerou	1055EST as trees down a	along Rtes. 1	0 and 31.	0	0		Thunderstorm	Wind
Sussex County Waverly	19 Large she	1100EST ed picked and	blown 100 fe	eet. Large tre	0 se down across	0 s bridge.		Thunderstorm	Wind
Lancaster County Kilmarnock	19 Street flo	1100EST 1145EST ooding in Kilm	arnock		0	0		Urban/Sml Str	eam Fld
Richmond County 2 NW Warsaw	19	1105EST on across Rte.			0	0		Thunderstorm	Wind
Lancaster County Lancaster	19	1105EST wn on Rte. 3.			0	0		Thunderstorm	Wind
Surry County Surry	19	1110EST 1120EST	Pta 10 batwa	aan Surry and	<b>0</b> d Bacon Castle	<b>0</b>		Urban/Sml Str	eam Fld
Westmoreland County Montross	19	1122EST		zen surry and	0	0		Thunderstorm	Wind
Middlesex County Eastern Part	19	1130EST 1205EST			0	0		Urban/Sml Str	eam Fld
Isle Of Wight County Isle Of Wight Ch to Smithfield	19	1130EST		om mayyan li	0	0		Thunderstorm	Wind
Richmond County Newland	19	1130EST 1135EST	0.3	50	nes on Rte. 25	0	15K	Tornado (F0)	
Northumberland County Lottsburg	brick wal	1130EST	nly about 1/4	mile long an	nd about 50 ya 0	rds wide. 0	15K	nd semi-trailerand s  Thunderstorm	
Williamsburg (C) Williamsburg	19	rst winds down  1140EST bs/power lines		ees/power lii	nespartially t	tore the ro	oof off a building a	nd damaged a porch.  Thunderstorm	Wind
King And Queen County Eastern Portion	19	1145EST nes down.			0	0		Thunderstorm	Wind
Chesapeake (C) City Wide	19 Several to	1155EST 1215EST rees and large	limbs down	by high wind	0 s in scattered	0 locations	throughout the city	Thunderstorm	Wind (G49)
Hampton (C) Hampton	19 Large tre	1205EST 1210EST te limbs/some	trees down.	57 mph gust	<b>0</b> in Hampton.	<b>0</b> 71 mph g	ust at Langley AF	Thunderstorm B.	Wind (G62)
Portsmouth (C) Portsmouth Middlesex County	19	1205EST		1 6	0	0		Thunderstorm	Wind (G56)
Countywide Norfolk (C)	19 Trees do	1205EST wn on several	roads.		0	0		Thunderstorm	Wind
(Orf) Norfolk Arpt.	<b>19</b> 62 mph v	1208EST wind gust.			0	0		Thunderstorm	Wind (G54)
Gloucester County Countywide	19 Large tre	1210EST ee limbs/power	r lines down.		0	0		Thunderstorm	Wind
York County Countywide	19 Several to	1230EST rees down acre	oss county.		0	0		Thunderstorm	Wind

		Time Local/	Path Length	Path Width		ber of sons	Estim Dam		January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm
VIRGINIA, East									
Northampton County									
Cape Charles to Eastville	19	1245EST 1255EST			0	0			Thunderstorm Wind
	Several j	power lines dov	wn between (	Cape Charles	and Eastv	ille.			
VAZ048-061>062- 069>071	Fluvanna -	Cumberland	- Goochland	l - Powhataı	ı - Cheste	rfield - H	lenrico		
	19	1800EST			0	0			Flood
	23 An unus	1200EST sually fast warn	n up, combin	ed with heav	y rain cau	sed rapid	snow melt	and some	river flooding across portions of central

An unusually fast warm up, combined with heavy rain caused rapid snow melt and some river flooding across portions of centry Virginia from Friday January 19th to Tuesday January 23rd.

The James River crested as much as 13 feet above flood

#### VIRGINIA, Extreme Southwest

VAZ001>002-005>006- Lee - Wise - Scott - Russell - Washington 008

06 2100EST 0 0 Winter Storm

A strong low pressure system from the Gulf Coast region brought between one and three feet of snow to southwest Virginia. Numerous trees and powerlines fell. Many roads became impassable shutting down schools and businesses across the area. Numerous auto accidents occurred. there were also isolated incidents of collapsed rooves.

VAZ001>002-005>006-

Lee - Wise - Scott - Russell - Washington

11 1900EST 0 0 Winter Storm

Heavy snow accumulations of 4 to 8 inches caused numerous power outages and car accidents. Numerous trees fell as well. Schools and businesses were closed.

Wise County Countywide

19 2000EST 0 0 Flash Flood 20 0900EST

Two to over three inches of rain Friday night into Saturday morning combined with melting snow resulted in flooded roads, homes and farmlands

VIRGINIA, North

VAZ021-025>031-036>042-050>057 Highland - Augusta - Rockingham - Shenandoah - Frederick - Page - Warren - Clarke - Nelson - Albemarle - Greene - Madison - Rappahannock - Fauquier - Loudoun - Orange - Culpeper - Prince William - Fairfax - Arlington - Stafford - Spotsylvania - King George

06 2300EST 1 1 350K Blizzard 08 1100EST

An historic winter storm, known as the "Blizzard of '96", crippled all of northern Virginia during the first full weekend of January. In general, snow totals ranged from 20 inches on the coastal plain (VAZ052>53; 055>057) to over 3 feet at the higher elevations of the central and northern Shenandoah Valley. To complicate matters, winds gusting in excess of 35 mph produced drifts of 4 to 7 feet, except over 10 feet in the mountains. The storm produced the largest statewide storm totals since the "Megalopolitan Storm" of February 11th, 1983. Numerous 24-hour accumulation records were shattered at airports from southwest Virginia through New England; Washington/Dulles airport (IAD; VAZ042) accumulated 24.6 inches., 19.8 of which fell on the 8th. The 19.8 inches broke the all-time 24-hour accumulation record by 4.4 inches.

The storm was induced by a digging upper level trough over the eastern Great Plains. At the surface, an inverted trough extended from the Gulf of Mexico through the Deep South. Surface pressures began falling as the upper trough approached on the afternoon of the 7th. Meanwhile, confluent flow, behind an upper-level arctic vortex over the Canadian Maritimes, maintained strong (1034 mb) surface high pressure over northern New York state. As the upper-level trough approached the southeast U.S. on the 8th, a new surface low developed along the Georgia coast. The low deepened explosively while the arctic high remained in place. Copious Gulf of Mexico and Atlantic moisture was entrained into the system, producing heavy snow; the increasing gradient between the intensifying low and the arctic high caused winds to strengthen to 25 mph with gusts to 35 mph.

The system moved slowly from South Carolina to the mouth of the Chesapeake Bay overnight on the 7th. The slow movement prolonged near-blizzard conditions into the 8th. The storm finally moved towards New England later on the 8th, ending the snow but maintaining gusty north winds (and substantial blowing and drifting snow) until evening.

The storm effectively closed all major highways on the 7th, as snow removal equipment fought a losing battle with the considerable blowing and drifting snow. By the 8th, major interstate highways were open statewide; however, 75-100% of state and local highways remained impassible. Highway clean-up and repair costs were remarkable across northern Virginia. An estimated \$50 million was spent on snow removal alone. Repairs to pavement, guardrails, and side banks were estimated between \$5 and \$7 million.

Prior to the onset of precipitation, the governor declared a state of emergency for the entire Commonwealth. This allowed for quick deployment of Virginia National Guardsmen, primarily from the Piedmont through the western highlands. HMMWV's (Humvees) were dispatched to the region, and proved very effective in moving the medically impaired to area hospitals. Despite the Guard's help, important services were significantly reduced; food, fuel, and medical supplies began to dry up. All federal, state, and local governments, as well as all area school districts, were closed Monday (the 8th) and Tuesday (the 9th); most school districts remained closed for the entire week.

		Time Local/	Path Length	Path Width	Numb Pers	ber of sons	Estim Dam			January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	

#### VIRGINIA, North

One person perished from exposure (VAZ053) the day after the storm ended (January 9th); ten others perished as a result of heart failure while shoveling snow. Dozens of hikers and outdoorsmen were stranded in the Shenandoah Valley during the height of the blizzard. Virtually all made it to prefabricated shelters in the park, where food and blankets were airlifted for several days until nearby roads could be cleared. Statewide, 800 persons required shelter during the storm, the majority of whom were stranded travelers.

The combination of powdery snow and moderate winds did not allow significant accumulations on trees or power lines; thus outages were minimal. The only substantial damage was noted near Stanardsville (VAZ038), where 51 power poles were damaged or destroyed during the storm.

The weight of the snow on roofs, especially where drifts formed, caused scattered collapses across the area. Many of the reported collapses were to structures unable to support the snow pack. Such structures included greenhouses, poultry houses, porches and awnings, and a few mobile homes. A man was injured when a greenhouse collapsed on him in Stephens City (VAZ031). Most of the damage was reported in the Shenandoah Valley. Noteworthy damage was reported to a church gymnasium in West Springfield, causing thousands of dollars in damage. In Dale City (VAZ052), the Potomac Mills shopping mall remained closed for several days after the blizzard due to a large area of sagging roof which required extensive repair. In Clarke Co (VAZ031), one barn collapsed. In Burke (VAZ053), a fire began in a high school theater when a roof collapsed onto a natural gas line. The blaze caused \$8000 in damage.

M67OU

VAZ052-057 Prince William - King George

09 1500EST 0 0 Heavy Snow 1700EST

Low and mid-level lift ahead of an "Alberta Clipper" added insult to injury only a day after the "Blizzard of '96", dumping 4 inches of snow in a 5 hour period near the tidal Potomac River. The additional snow slowed removal efforts in the wake of the previous storm, but was otherwise only a nuisance.

VAZ021-025>031-036>042-050>057 Highland - Augusta - Rockingham - Shenandoah - Frederick - Page - Warren - Clarke - Nelson - Albemarle - Greene - Madison - Rappahannock - Fauquier - Loudoun - Orange - Culpeper - Prince William - Fairfax - Arlington - Stafford - Spotsylvania - King George

12 0700EST 0 1 350K Heavy Snov 1100EST

Less than one week after the crippling "Blizzard of '96", a new winter storm dumped substantial snow across northern and western Virginia. The snow changed to freezing rain and sleet along the tidal Potomac River shortly before tapering off. The changeover suppressed accumulations to 4 or 5 inches in this region. In other portions of northern Virginia, snowfall totals were as follows: In the Shenandoah Valley, 4 to 6 inches; in the piedmont, 5 to 7 inches; at higher elevations, 6 to 10 inches.

The storm developed as an area of low pressure in the midwest, which became an elongated trough extending from the Tennessee Valley through southeastern North Carolina. As the upper-level trough approached, the North Carolina low became dominant, intensifying slowly as it moved through the mouth of the Chesapeake Bay, then off the Delaware coast by late afternoon. Unlike the "Blizzard of '96", a lack of cold air behind the surface low, cominbed with the fact that the upper-level trough was significantly weaker and more progressive, kept the surface low from rapidly intensifying. Nonetheless, the northern Virginia region received some of the highest snow totals in the East.

Travel was hampered yet again, but by evening most main arteries were cleared. A DC-9 slid off the runway at IAD at 0915EST, causing inconvenience to the 30 passengers on board but no damage. Most local, state, and federal offices closed. Nearly all school districts in northern Virginia remained closed for a fifth day, providing school children an extra week of winter vacation. However, the week of storms and clean-up also wiped out their allotment of snow days.

The weight of the snow from all three events during the week of January 7th through 13th caused several related problems. The worst damage was reported in Montpelier (VAZ050) between the 13th and 14th, when a large horse stable sustained substantial roof damage. Damage was estimated at \$250,000. Damage was also reported at a Winchester (VAZ028) strip mall, where a sagging roof forced the evacuation of over a dozen children from a day care center on the 13th. In Sterling, a shopping center lost a 10x12 section of walkway covering.

In southern Stafford Co (VAZ055), a woman was injured when a carport collapsed. Luckily, she was protected from serious injury by the automobile, which had its windows shattered. Portions of the roof at Potomac Mills Mall in Woodbridge (VAZ052) continued on the verge of collapse, forcing the mall's closure on the 13th. A nearby grocery store was evacuated for similar reasons. Lastly, numerous homes had their gutters ripped off by "ice dams", which also caused interior leaks during the week following the event.

Rockingham County All

19 0130EST 0 0 7M Flash Flood 1200EST

An unprecedented combination, in recent history, of unseasonably warm, humid air overriding a dense snowpack estimated between 6 and 15 inches (but up to 2 feet or more at higher elevations) caused nearly all of the pack to vanish in a 12-hour period. The unseasonably warm air was drawn northward around the circulation of a deepening storm west of the Appalachians late on the

		Time Local/	Path Length	Path Width		ber of sons	Estim Dam	age		January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	

#### VIRGINIA, North

18th and early on the 19th. The melting snow and additional rainfall produced widespread flooding and flash flooding on the 19th.

Strong low-level southeast flow developed by late afternoon on the 18th, and pockets of light to moderate rain occurred along the foothills. Initial flash flooding, in the form of creeks and streams out of their banks and low-lying areas covered in standing water, begain around 0000EST on the 19th. More widespread flooding ensued between 0100 and 0200EST.

A pre-frontal line of heavy showers and embedded thunderstorms moved into the region shortly after dawn on the 19th, causing widespread acute flooding and flash flooding which lasted until around noon. The line of heavy precipitation moved slowly through the area between 0600 and 0900EST, prolonging the flooding. Some of the higher totals reported by automated rain gages (which contained some melted snow) were in excess of 5 inches. Montebello (Nelson Co) received 5.22 inches, Big Meadows (Page Co) had 5.12 inches, Long Run (Rockingham Co) reported 4.47 inches, and Sherando (Augusta Co) had 4.16 inches.

One death was reported by Albemarle Co authorities, as a motorist lost control of his vehicle in high water and struck a tree just south of Charlottesville. High water closed numerous local roads, and several major arteries as well, including federal highway 33 near Harrisonburg (Rockingham Co). Also in Rockingham Co, authorities evacuated the main street in Broadway when a 20 ton fuel oil tank and two 1000-lb propane tanks broke loose from their moorings and began floating down the street. In Page Co, 200 residents below the Skyline Lakes Dam were evacuated as the dam threatened to break. Hundreds of roads were closed statewide due to flooding; the Virginia Department of Transportation reported 23 primaries and 250 secondaries blocked off.

States of Emergency were either declared or extended for 12 counties and 2 independent cities.

Augusta County						
All	19	0130EST 1200EST	0	0	900K	Flash Flood
Nelson County						
All	19	0130EST 1200EST	0	0		Flash Flood
Albemarle County						
All	19	0130EST 1200EST	1	0		Flash Flood
	M?VE					
<b>Greene County</b>						
All	19	0130EST 1200EST	0	0	1K	Flash Flood
Madison County						
All	19	0130EST 1200EST	0	0		Flash Flood
Page County						
All	19	0130EST 1200EST	0	0	700K	Flash Flood
Rappahannock County						
All	19	0130EST 1200EST	0	0		Flash Flood

VAZ025>027-029>031-038>042-050>051-053>056 Augusta - Rockingham - Shenandoah - Page - Warren - Clarke - Greene - Madison - Rappahannock - Fauquier - Loudoun - Orange - Culpeper - Fairfax - Arlington - Stafford - Spotsylvania

19	0130EST	4	0	15M	81K	Flood
22	1630EST					
	***River Flooding***					

High dewpoint temperatures melted most of the snow on the ground within 12 hours. The snow pack had a liquid equivalent between 2 to 3 inches. Snowmelt, combined with 1 to 3 inches of rain (some locations received nearly 5 inches), caused the worst regional flooding in over 10 years. River flooding began during the flood/flash flood event along the headwaters of all basins and continued downstream through the 22nd. Crests ranged from 3 to 21 feet above flood stage.

High water caused millions of dollars in damage, closed roads, destroyed homes and businesses, and forced the evacuation of several towns. Four people were rescued by the National Park Service and Fairfax County Fire Department at Great Falls (VAZ053) when they wandered onto the rocks to view the raging Potomac and became stranded. Several kayakers were also rescued while trying the sail the rough waters. Although low-water bridges remained closed, a vehicle carrying three teenagers and one adult dared the high waters of the Hazel River (VAZ051) -- and lost. All four perished as the automobile was swept downstream.

Flood waters covered Union Street and the lower part of King Street along the river in Old Town Alexandria (VAZ053), and affected Washington National Airport, but not the runways. The city of Waynesboro (VAZ025) estimated \$3 million in damage (\$1 million to residential areas; \$2 million to businesses). In Rockingham Co (VAZ025), \$2.2 million in damage was attributed to the loss of inventory at Hartz Corporation, an apparel manufacturer. High water also caused \$70 thousand in damage to Opequon Water Reclamation Facility in Frederick Co (VAZ028).

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numbe Perso Killed		Estima Dama Property	ited ge Crops	Character of Storm	January 1996
VIRGINIA, North	Dute	Standard	(Mines)	(Tarus)	Temed	Injured	Froperty	Crops	Character of Storm	
	Refer to F14VE	Flood/Flash F	lood events i	n this report	for a more	detailed	breakdown	of damag	ge estimates. M20VE	, M16VE, F15VE,
Highland County										
All	19	0400EST 1200EST			0	0			Flash Flood	
Shenandoah County										
All	19	0500EST 1300EST			0	0	27M		Flash Flood	
Frederick County										
All	19	0500EST 1300EST			0	0	2M		Flash Flood	
Warren County										
All	19	0600EST 1300EST			0	0	2M		Flash Flood	
Clarke County										
All	19	0600EST 1300EST			0	0	600K		Flash Flood	
Loudoun County										
All	19	0700EST			0	0	1M		Flash Flood	

An unprecedented combination, in recent history, of unseasonably warm, humid air overriding a dense snowpack estimated between 12 and 18 inches (but up to 2 feet or more at higher elevations) caused nearly the entire pack to vanish in a 12-hour period. The unseasonably warm air was drawn northward around the circulation of a deepening storm west of the Appalachians late on the 18th and early on the 19th. The melting snow and additional rainfall produced widespread flooding and flash flooding on the 19th.

Strong low-level southeast flow developed by late afternoon on the 18th. Initially, colder temperatures in sheltered valleys slowed the rate of snow melt while the warm moist air mass attacked the snow pack at higher elevations. By mid-evening, however, even the lower elevations were warming rapidly. Flash flooding began at around the same time as the onset of heavy pre-frontal rains. Heavier showers fell over the same areas between 0400 and 0800EST, causing acute and widespread flooding and flash flooding. Some areas received between 2 and 4 inches of rain during this period. Thunderstorms developed as the line moved into eastern Loudoun Co between 0900 and 0930EST. Some of the higher totals reported by automated rain gages (including some snow melt) were nearly 5 inches. Monterey (Highland Co) received 4.71 inches, Front Royal (Frederick Co) had 4.32 inches, Hogback Mountain (Warren Co) reported 3.76 inches, and Woodstock (Shenandoah Co) had 2.43 inches.

Some of the most pronounced damage occurred in Shenandoah Co near the town of Woodstock. One hundred acres of farmland were inundated, a reported 799 homes sustained damage from flood waters, as did a restaurant in Edinburg. There were numerous water rescues, but no fatalities were reported. Numerous local roads werre closed, as were several state and federal highways, due to high standing water or creeks raging out of their banks.

Fauquier County						
All	19	0700EST 1300EST	0	0	200K	Flash Flood
<b>Culpeper County</b>						
All	19	0800EST 1300EST	0	0		Flash Flood
Orange County						
All	19	0800EST 1300EST	0	0		Flash Flood
Fairfax County						
All	19	0900EST 1300EST	0	0		Flash Flood
Prince William County						
All	19	0900EST 1300EST	0	0	10K	Flash Flood
Stafford County						
All	19	1000EST 1400EST	0	0	5K	Flash Flood
Spotsylvania County						
All	19	1000EST 1400EST	0	0	3K	Flash Flood
Arlington County						
All	19	1100EST 1400EST	0	0	3K	Flash Flood

An unusually intense squall line, feeding on an unseasonably warm moist tropical air mass, dumped an estimated 1.5 to 2.5 inches of rain in a two-hour period during the mid and late morning of the 19th, causing widespread flash flooding. The rain fell on oversaturated soil, a result of the previous night's rapid snow melt. During the overnight hours, the remaining water-logged snow pack of 3 to 8 inches was eaten away by strong southeasterly winds which carried low 60s temperatures and near 100 percent relative humidity into the region.

		Time Local/	Path Length	Path Width		ber of sons	Estima Dama			January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	

#### VIRGINIA, North

Prior to the onset of heavy rain, numerous creeks and streams were near bank full due to the rapid snow melt. Minor flash flooding began at most locations in the piedmont prior to the squall line; the more serious flooding was associated with the line's passage from west to east, between 0900 and 1130EST.

In Orange Co, as in many other counties, schools were closed early due to the continued flood threat. One school reported damage froma leaking roof. In Stafford Co, four roads were closed early due to high water. In Fairfax Co, several automobiles were swept off area roadways inundated by raging creeks and streams. One of the more prone locations was along state route 7 near the Difficult Run (just south of Great Falls). Three persons were rescued from stranded vehicles between 1000 and 1200EST. Two others escaped. No injuries were reported, but all 5 persons were treated at the scene for hypothermia. The combination of flooding rains, gusty winds, and lightning knocked out power to around 8000 Virginia Power customers in the Washington, DC suburbs.

After the storm and associated cold front passed, gusty northwest winds 35 to 40 mph blew down a few trees rendered unstable by waterlogged soil. A 100-foot tree fell inn Culpeper Co, near the Rappahannock Co line. Numerous creeks and streams remained out of their banks well into the evening, even as temperatures plummeted into the upper teens.

Augusta County Southern	27	0430EST 0630EST	(	)	0	10K	Flash Flood
Rappahannock County Western	27	0800EST	(	)	0	2K	Flash Flood

Isolated flash flooding was reported in western Virginia early on the 27th. The most serious flooding occurred in southern Augusta Co, where high water was reported in low-lying areas, and 15 secondary roads were closed. In Rappahannock Co, the Thornton River was out of it's banks and covered a low-water bridge, forcing one road closure.

VIRGINIA, Northwest						
VAZ003>004		- Buchanan				
	06 08	0400EST 0300EST	0	0	100K	Heavy Snow
	The prol	ong storm, initially dropped wet	snow on the 6th,			
		widespread power outages. At o		)		
		rs were without electricity in the				
	became	impassible from both fallen trees	s and the deep snow.			
	At dawn	on the 8th, snow depths of 14 to	o 18 inches were commo	on		
	in the va	lleys. For example, Hurley had	15 inches on the			
	ground a	it storm's end. Clintwood snow	depth was 16 inches and	i		
	the Brea	ks Interstate Park had 27 inches.	Total storm snowfall			
	was 23 i	nches at Clintwood and 32 inche	es at Breaks Interstate			
	Park.					
VAZ003>004	Dickenson	- Buchanan				
	11 12	2200EST 0700EST	0	0		Heavy Snow
	Four to 5	5 inches of new snow fell, maint	aining the snow depths			
	at aroun	d a foot in the valleys.				
VIRGINIA, Southwest						
VAZ007-009-015	Tazewell -	Smyth - Grayson				
	05 06	2300EST 1100EST	0	0		Winter Storm
VAZ010-012-016	Bland - W	ythe - Carroll				
	05 06	2330EST 1130EST	0	0		Winter Storm
VAZ011-013>014-017	00	aski - Montgomery - Floyd				
VAZ011-013>014-017	06	0000EST	0	0		Winter Storm
	00	1230EST	v	U		white Storm
VAZ018-022	Craig - Ro	anoke				
	06	0030EST 1300EST	0	0		Winter Storm
VAZ019-023	Alleghany					
,112013 0 <b>2</b> 0	06	0100EST	0	0		Winter Storm
		1330EST				
VAZ020-024	Bath - Roc	kbridge				
	06	0130EST 1400EST	0	0		Winter Storm
VAZ007-009-015	Tazewell -	Smyth - Grayson				
	06 07	1100EST 1300EST	0	0		Heavy Snow

•	ъ.	Time Path Local/ Length Date Standard (Miles		Path Width	Number of Persons		Estimated Damage		2	January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	
VIRGINIA, Southwest										
VAZ010-012-016		ythe - Carroll								
	06 07	1130EST 1330EST			1	0			Heavy Snow	
	M80OU									
VAZ011-013>014-017		aski - Montgor	nery - Floyd							
	06 07	1230EST 1430EST	,,		0	0	600K		Heavy Snow	
VAZ018-022	Craig - Ro									
	06	1300EST			0	0			Heavy Snow	
	07	1500EST								
VAZ019-023		- Botetourt			•	•	217		<b>II</b> 0	
	06 07	1330EST 1530EST			0	0	2K		Heavy Snow	
VAZ020-024	Bath - Roc									
	06	1400EST			0	0			Heavy Snow	
	07	1600EST								
VAZ032>033		ranklin (C)			•	•			<b>**</b> 0	
	06 07	1500EST 1430EST			0	0			Heavy Snow	
VAZ034>035	Bedford -									
	06	1530EST			0	0	20K		Heavy Snow	
	07	1630EST								
VAZ043>044	Henry - Pi								a	
	06 07	1700EST 1530EST			0	0	2K		Heavy Snow	
VAZ045>047		- Appomattox	- Ruckinghan	n						
1120102011	06	1730EST	Duckinghan		0	0			Heavy Snow	
	07	1700EST								
VAZ058>059	Halifax - C									
	06 07	1830EST 1530EST			0	0	5K		Heavy Snow	

Record breaking snow across portions of southwest, west-central, and south-central Virginia on the 6th and 7th closed schools, businesses and many secondary roads for days, collapsed roofs, stranded motorists, halted mail deliveries, trash pickup, and chuch services, closed airports, resulted in one fatlity, and indirectly resulted in two other fatalities.

Light snow develop across the mountains during the late evening hours on the 5th and early morning hours on the 6th. By the late morning hours, snowfall amounts generally ranged from 1 to 3 inches. The snow became heavy across southwest Virginia during the late morning hours on the 6th and spread north and east across the remainder of southwest, west-central and south-central Virginia. Sleet mixed with the snow at times across Charlotte, Halifax, and southern Pittsylvania Counties. Significant accumulations of snow continued in many areas until the afternoon hours on the 7th. Snowfall rates of 1 to 2 inches per hour were common, mainly along and west of the Blue Ridge. Snow depths by the evening hours on the 7th ranged from near 12 inches in Danville and South Boston in south-central Virginia and in Richlands in southwest Virginia to around 30 inches in northern portions of Rockbridge County. Average snow depths greater than 24 inches were recorded in Bath, Rockbridge, Alleghany, Botetourt, Amherst, Craig, Montgomery, and Giles Counties. A record 24 hour snowfall amount of 22.2 inches was established at the Roanoke Regional Airport. A record 24 hour snowfall amount of 20.0 inches was established at the Lynchburg Regional Airport. Total snowfall amounts included 36.5 inches in Burkes Garden, 35 inches at Homestead Resort in Hot Springs, and 34 inches in Blacksburg. The snow combined with winds of 15 to 30 mph with higher gusts on the 7th and 8th resulted in snow drifts up to 10 feet high. A state of emergency was declared for all of southwest, west-central and south-central Virginia.

In Carroll County, an 80 year old man from Woodlawn died from hypothermia after he fell into a snow drift. A traffic accident c ost the life of a Rockbridge County man. Another accident in Montgomery County resulted in the death of a truck driver.

The weight of the snow collapsed the roof of a large building in Christiansburg and a green house in Amherst. Damage to the greenhouse and the plants inside was estimated at \$20,000. Damage to the building in Christiansburg was \$600,000. The weight of the snow collapsed a carport on top of a Corvette in Charlotte County. In addition, awnings collapsed in Henry and Alleghany Counties.

Many areas hired contract personnel to aid in plowing roads. In the mountains, many secondary county roads remained unplowed for several days. During and shortly after the storm, some snow plows assisted emergency vehicles in reaching their destinations. The National Guard used several humvees and a few armored personnel carriers to transport medical and emergency personnel to work or to those in need. The mail was not delivered for several days in many areas. Stranded motorists filled up many motels along interstates. In the mountains on the 7th, travel in anything other than a 4-wheel drive vehicle was nearly impossible. The snow was so deep in this area than even some 4-wheel drive vehicles got stuck. As a result of hazardous conditions from the late morning hours on the 6th to the late afternoon hours on the 11th, there were numerous traffic accidents and several injuries. Several snow plows slid off of roads and overturned. The cost of snow removal, including overtime, salt, sand, equipment repairs, and contract personnel generally ranged from \$100,000 to \$400,000 per county.

Numerous storm shelters were established across the area. Prior to the storm and after the storm, many grocery stores sold out of

Location	Doto	Time Local/	Path Length	Path Width	Number of Persons	3	Estimated Damage		January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed In	jured	Property Crops	Character of Storm	
VIRGINIA, Southwest		ole items like br stranded. There						get medical attention	, medicine or food
VAZ007-009-012-015	Tazewell - 11 12	Smyth - Wyth 2230EST 0500EST	e - Grayson		0	0		Heavy Snow	
VAZ011-013>014- 016>018-022		aski - Montgo	mery - Carr	oll - Floyd -	Craig - Roan	oke			
	11 12	2330EST 0600EST			0	0		Heavy Snow	
VAZ032>033-043	Patrick - F 12	Franklin (C) - 1 0000EST 0630EST	Henry		0	0		Heavy Snow	
VAZ044-058	Pittsylvani 12	ia - Halifax 0010EST 0700EST			0	0		Winter Storm	
VAZ019>020-023>024	Alleghany 12	- Bath - Boteto 0030EST 0700EST	ourt - Rockb	oridge	0	0		Heavy Snow	
VAZ034>035	Bedford - 12	Amherst 0100EST 0730EST			0	0		Heavy Snow	
VAZ045>047-059	Campbell 12	- Appomattox 0130EST 0800EST	- Buckingha	m - Charlot	te 0	0		Winter Storm	
D.I.G.	the snow from 4 t and from	w in Pittsylvani to 6 inches alon	a, Campbell, g and west o s in Pittsylva	Appomatto f the Blue Ri nia, Campbo	x, Buckinghar idge, around 4 ell, Appomatte	n, Halif inches	fax and Charlotte Co in Patrick, Franklin,	heast. Sleet and freezi counties. Snow fall am Henry, Bedford, and and Charlotte Countie	ounts were mainly Amherst Counties,
Bath County Countywide	18 19	2325EST 0930EST			0	0	6.5M	Flash Flood	
Rockbridge County Countywide	18 19	2355EST 0950EST			0	0	1.6M	Flash Flood	
Alleghany County Countywide	19	0030EST 0830EST			0	0	3.5M	Flash Flood	
VAZ016	Carroll 19	0040EST 0330EST			0	0		High Wind	
VAZ017	Floyd 19	0100EST 0340EST			0	0	10K	High Wind	
Botetourt County Countywide	19	0115EST 0730EST			0	0	1.6M	Flash Flood	
Grayson County Countywide	19	0215EST 0600EST			0	0	250K	Flash Flood	
Carroll County Galax	19	0245EST 0530EST			0	0	10K	Flash Flood	
Craig County Countywide	19	0300EST 0915EST			0	0	150K	Flash Flood	
Pulaski County Countywide	19	0315EST 0600EST			0	0	50K	Flash Flood	
Roanoke County Countywide	19	0330EST 0730EST			0	0	30K	Flash Flood	
Montgomery County Countywide	19	0330EST 0800EST			0	0	30K	Flash Flood	

0

High Wind

0340EST 0500EST

Alleghany

19

VAZ019

	_	Time Local/	Path Length	Path Width	Number of Persons		Estimated Damage		January 199
Location	Date	Standard	(Miles)	(Yards)	Killed I	njured	Property Crops	Character of Storm	
VIRGINIA, Southwest	D-4-44								
VAZ023	Botetourt 19	0345EST 0515EST			0	0		High Wind	
Tazewell County Countywide	19	0350EST 0500EST			0	0	40K	Flash Flood	
VAZ035	Amherst 19	0400EST 0520EST			0	0	100K	High Wind	
Smyth County Countywide	19	0400EST 0800EST			0	0	250K	Flash Flood	
VAZ024	Rockbridge 19	0400EST 0515EST			0	0	50K	High Wind	
Giles County Countywide	19	0400EST 0530EST			0	0	350K	Flash Flood	
VAZ043	Henry 19	0400EST 0540EST			0	0		High Wind	
VAZ023>024-033>035-	Botetourt - I		Franklin (C	) - Bedford	- Amherst -	Campb	ell - Appomattox -	Buckingham	
045>047	19 21	0415EST 1600EST			0	0	800K	Flood	
Wythe County Countywide	19	0430EST 0600EST			0	0	60K	Flash Flood	
Franklin County Countywide	19	0445EST 0800EST			0	0		Urban/Sml Stre	am Fld
Amherst County Amherst	19	0540EST 0700EST			0	0	10K	Urban/Sml Stre	am Fld
Pittsylvania County Countywide	19	0545EST 0800EST			0	0	50K	Flash Flood	
Henry County Collinsville VAZ022-033>034-	19 Roanoke - F	0600EST ranklin (C) -	Bedford - P	ittsylvania -	0 Campbell -	0 Halifa:	10K x - Charlotte	Thunderstorm '	Wind
044>045-058>059	19 23	0600EST 0700EST			0	0		Flood	
Henry County Axton	19	0615EST			0	0		Thunderstorm '	Wind
Campbell County Lynchburg	19	0615EST 0830EST			0	0	10K	Flash Flood	
Campbell County Altavista	19	0615EST 0830EST			0	0	60K	Flash Flood	
Franklin County South Portion Bedford County	19	0630EST			0	0		Thunderstorm '	Wind
8 NW Bedford Bedford County	19	0635EST			0	0		Thunderstorm '	Wind
Montvale Pittsylvania County	19	0640EST			0	0		Urban/Sml Stre	am Fld
Danville VAZ024	19 Rockbridge	0700EST			0	0	200K	Thunderstorm '	Wind
Halifax County	19 20	0700EST 0100EST			0	0	100K	Flood	
South Portion Appomattox County	19	0720EST			0	0		Thunderstorm '	Wind
Countywide	19	0800EST 0830EST			0	0		Thunderstorm '	Wind
Charlotte County Keysville	19	0817EST			0	0		Thunderstorm '	Wind

	ъ.	Time Local/	Path Length	Path Width	Pers	per of sons	Estim Dama	age		January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	
VIRGINIA, Southwest										
VAZ011>016	Giles - Wyth	e - Pulaski	- Montgomery	- Grayson	- Carroll					
	19 20	1130EST 1000EST			0	0			Flood	
VAZ044-058	Pittsylvania	- Halifax								
	19 22	1400EST 1100EST			0	0			Flood	

A strong storm system brought high winds, damaging thunderstorm winds, and heavy rainfall into southwest, west-central, and south-central Virginia from the late evening hours on the 18th to the morning hours on the 19th. Snow melt in combination with the heavy rain resulted in flash flooding, urban/small stream flooding, and river flooding on most rivers.

In Bath County, heavy rain and snow melt sent Cowpasture River and several creeks out of their banks which damaged or washed out numerous roads, resulted in evacuations, and damaged businesses. Water was 6 feet deep on main street in Hot Springs with vehicles completely submerged. Damage to the Homestead Resort was estimated at 2.5 million dollars. Total damage in Bath County was estimated at 6.5 million dollars.

Heavy rain and snow melt in Alleghany County flooded numerous creeks, resulted in a mud slid near Covington on route 220, washed out a portion of route 220 north of Covington, flooded several roads, resulted in the evacuation of 30 families in Covington, and severely damaged 12 homes. Damage was estimated around 3.5 million dollars in Alleghany County.

In Rockbridge County, heavy rainfall and snow melt sent many creeks out of their banks which flooded and damaged some roads, two bridge, mobile homes, and some businesses, and resulted in the evacuation of nearly 100 people in Goshen and Glasgow. Damage was estimated at 1.6 million dollars in Rockbridge County.

Flood waters in Botetourt County damaged some roads and flooded many others. Damage from flash flooding and river flooding in Botetourt County was estimated at 1.6 million dollars.

In Giles County, Little Stoney Creek flooded several homes with up to 4 feet of water and Wolf Creek flooded 5 trailers. A mud/rock slide disrupted traffic on route 460 between Narrows and Rich Creek. Flash flooding severely damaged the Cascade Falls Recreation Area near Pembroke.

In Pulaski County, heavy rain and snow melt flooded several creeks and resulted in evacuations.

Numerous flooded creeks damaged roads and some homes in Craig County. There were several evacuations in New Castle.

Heavy rainfall and snow melt flooded several roads, submerged three cars and damaged a few businesses in Altavista, flooded roads and some apartments in Lynchburg, flooded and damaged roads in Roanoke, Montgomery, and Smyth Counties, flooded 16 roads, washed out a road, and stranded a vehicle in Pittsylvania County, resulted in a mud slide that closed a road and flooded roads and a few homes in Wythe County, and flooded many roads, washed away some roads, and damaged a school in Grayson County. In Smyth County, flood waters damaged or destroyed several roads and bridges. Heavy rain and snow melt flooded roads and damaged the County Courthouse in Tazewell County, and flooded roads and resulted in a few mud slides in Galax.

Heavy rain and snow melt resulted in urban/small stream flooding on route 460 near Montvale in Bedford County, washed out a small wooden bridge and flooded a road in Amherst, and flooded roads and stranded motorists in Franklin County.

High winds not associated with a thunderstorm downed trees and power lines in portions of Alleghany County, downed trees and nine power poles in portions of Carroll County, downed trees, tore the roof off a home, and tore a section of a roof off another home in Floyd County, ripped a section of a roof off a business in Buena Vista, tore the roof off a business in Amherst, and downed trees in Henry and Botetourt Counties. A truck crashed into the downed power poles in Carroll County around 0300 EST. Wind speeds were estimated as high as 90 mph near Fancy Gap in Carroll County.

Thunderstorm winds downed trees and power lines in Axton, downed trees and knocked out power in portions of Appomattox County, downed trees in Danville, Keysville, 8 miles northwest of Bedford, and in southern portions of Franklin and Halifax Counties. Thunderstorm winds downed a gymnasium wall under construction in Danville and knocked a large tree on top of a mobile home in Collinsville.

Runoff from heavy rain and snow melt resulted in moderate to major flooding on the James River from Lick Run to 3 miles east-southeast of Bremo Bluff. The James River crested around 9 feet above flood stage at Lick Run at 1500 EST on the 19th, around 12 feet above flood stage at Buchanan at 0300 EST on the 20th, 9 feet above flood stage at Holcombs Rock at 0200 EST on the 20th, 6 feet above flood stage at Lynchburg at 0300 EST on the 20th, 6 feet above flood stage at Bent Creek at 1100 EST on the 20th, 6 feet above flood stage at Scottsville at 1930 EST on the 20th, and 14.5 feet above flood stage at Bremo Bluff at 2300 EST on the 20th. Flood waters severely damaged a car wash complex, damaged a Stop-In Food Store, several other business, and several homes, and trapped vehicles on flooded roads in Buchanan. Water was six feet deep in a sewing factory in Buchanan.

Runoff from heavy rain and snow melt resulted in moderate flooding on the Maury River from Goshen to 1 mile southeast of Glasgow. The Maury River crested 1 foot above flood stage at Goshen at 1630 EST on the 19th, just above 2.5 feet above flood stage at Rockbridge Baths at 1600 EST on the 19th, 1 foot above flood stage at Buena Vista at 1400 EST on the 19th, and 9 feet above flood stage at Glasgow at 1800 EST on the 19th.

		Time Local/	Path Length	Path Width		ber of sons	Estima Dama			January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	

#### VIRGINIA, Southwest

Runoff from heavy rain and snow melt resulted in minor flooding on the Roanoke River from Roanoke to 10 miles east-southeast of Roanoke and moderate to major flooding from 6 miles west-southwest of Altavista to 6 miles south-southwest of Red Oak. The Roanoke River crested about 2 feet above flood stage at Roanoke at 1100 EST on the 19th, almost 2.5 feet above flood stage at Altavists at 1700 EST on the 19th, almost 5.5 feet above flood stage at Brookneal at 0100 EST on the 20th and about 7.5 feet above flood stage at Randolph at 2000 EST on the 20th.

Runoff from heavy rain and snow melt resulted in minor flooding on the Dan River. The Dan River crested over 2.5 feet above flood stage at Danville at 2100 EST on the 19th, over 2.5 feet above flood stage at Paces at 0200 EST on the 21st, and almost 6 feet above flood stage at South Boston at 1530 EST on the 21st.

Runoff from heavy rain and snow melt resulted in minor to moderate flooding on the New River from 7 miles southwest of Galax to 3 miles northwest of Rich Creek. The New River crested just above flood stage at Galax at 1430 EST on the 19th, nearly 6 feet above flood stage at Radford at 1900 EST on the 19th, and nearly 3 feet above flood stage at Glen Lynn at 0100 EST on the 20th.

Tazewell County						
Countywide	27	0115EST 0500EST	0	0	200K	Flash Flood
Bland County						
Countywide	27	0300EST 0600EST	0	0		Flash Flood
Pulaski County						
Countywide	27	0400EST 0540EST	0	0		Flash Flood
Rockbridge County						
Glasgow	27	0405EST 0600EST	0	0		Flash Flood
Giles County						
Maybrook	27	0500EST 0630EST	0	0		Flash Flood
Giles County						
2 N Narrows	27	0500EST 0630EST	0	0		Flash Flood
VAZ058>059	Halifax - (	Charlotte				
	27 29	2000EST 0500EST	0	0		Flood
VAZ047	Buckingha	am				
	28	0900EST 2000EST	0	0		Flood
VAZ058	Halifax					
	28 29	1600EST 2300EST	0	0		Flood

Heavy rainfall during the morning hours on the 28th resulted in flash flooding and then flooding on some rivers.

Several small creeks and streams overflowed their banks in Bluefield and in most of Bland and Pulaksi Counties which closed a few roads and flooded many others. Flood waters damaged the Town Hall and several businesses in Bluefield, resulted in the evacuations of several people in Tazewell County, flooded route 501 in Glasgow, closed route 608 over Sinking Creek near Maybrook in Giles County, and resulted in a mud/rock slide 2 miles north of Narrows in Giles County.

Runoff from heavy rain resulted in minor flooding on the lower end of the Roanoke River from late on the 27th to the early morning hours on the 29th. The Roanoke River crested almost 2 feet above flood stage at Randolph at 1200 EST on the 28th.

Runoff from heavy rain resulted in minor flooding on the lower end of the James River on the 28th. The James River crested almost 1.5 feet above flood stage at Bremo Bluff at 1400 EST on the 28th.

Runoff from heavy rain resulted in minor flooding on the lower end of the Dan River on the 28th and 29th. The Dan River crested just over flood stage at Paces at 1030 EST on the 28th and almost 3 feet over flood stage at South Boston at 0700 EST on the 29th.

#### WASHINGTON, Northeast

NONE REPORTED.

**WASHINGTON**, Northwest

WAZ012 Cascade Mountains

06 1200PST 0 0 16K Ice Storm 1700PST

Freezing rain was blamed for 42 accidents during the day. No injuries were reported. It also prevented Snoqualmie Pass ski area from opening that day.

WAZ013 South Central Washington

18 1700PST 0 0 Heavy Snow

Up to 3 inches of snow fell around the Tri Cities. There were dozens of accidents and I-82 was closed for 3 hours around 8 pm.

		Time Local/	Path	Path Width	Number Person		Estimated Damage	January 1996
Location	Date	Standard	Length (Miles)	(Yards)		njured	Property Crops	Character of Storm
WASHINGTON, North	west							
WAZ001		coma And Vic	inity					
	18 19	2100PST 0100PST			1	4		Heavy Snow
			st of Puget	Sound. Sno	wfall varied	from 4	inches in Seattle to 9	9 in Port Orchard. There were several
	•		_				ole lost power. F49V	
WAZ006	Northeast							
	20	0800PST 1600PST			0	1		Heavy Snow
	Heavy si		theast Wash	ington. 3 to	5 inches fell	around 1	the Spokane area brii	nging the total on the ground to 6 to 11
		Over 100 accid					1	
WAZ002	Northwest	Interior						
	23 24	2200PST 0500PST			0	0		Heavy Snow
			com County	. local heavy	snow fell.	They rec	ieved 14 inches over	night and had gotten 10 inches the day
	before.	,		,				g
WAZ010	Southeast V	Washington						
	24	1100PST 1700PST			0	0		Blowing Snow
	At least		stranded or	n Highway 19	5. That high	iway, alo	ong with 3 others, we	ere closed because of snowdrifts up to 5
							f 29 mph were report	
WAZ001	Seattle-Tac	coma And Vic	inity					
	28	0000PST 2300PST			0	0		Heavy Snow
	zero. Hi propane	igh temperature	es did not ge ed on I-5 c	et above freez losing south	ing and wind	l chills a	pproached 30 degree	y routes and kept the wind chills below s below zero for the two day period. A de streets stayed treacherous for days,
WAZ013	South Cent	tral Washingt	on					
	28 In Deces	0800PST	a to dooth of	ton hon mi alma	1 • • • • • • • • • • • •	0 F the man	d and darrin a narrina	Extreme Cold
WAZ006	Northeast	, a woman moz	e to death ai	ter ner pickuj	o truck rail of	i the roa	d and down a ravine.	r3/00
WAZUUU	30	0800PST			1	0		Extreme Cold
	when the		f the road.	The coldest	February te			Washington 2 men died of hypothermia d in Spokane that morning with -24.
WASHINGTON, South	<u>east</u>							
	NONE I	REPORTED.						
WASHINGTON, South		KEI OKTED.						
WAZ023		mbia River Go	orge					
***************************************	16	1200PST	7-8-		0	0		Ice Storm
		1800PST rain caused signs were reported		cumulations o	f ice in the C	olumbia	Gorge. Scattered por	wer outages and numerous minor traffic
WAZ039	Vancouver	_						
	27	1200PST			0	0		Ice Storm
WEST VIRGINIA, Eas	t	1500PST						
WVZ048>055		neral - Hamp	shire - More	gan - Rerkela	v - Jefferson	ı - Pend	leton - Hardy	
11 1 Z040/033	07 08	0100EST 1100EST	3111 C - 1VIOI )	zan - Dei Kele	0	0	icion - matuy	Blizzard
	An histo	oric winter stor	m, known a	s the "Blizza	rd of '96", cr	ippled a	ll of eastern West V	irginia during the first full weekend of

An historic winter storm, known as the "Blizzard of '96", crippled all of eastern West Virginia during the first full weekend of January. In general, snow totals ranged from 28 to 36 inches at most locations in the Potomac Highlands and the eastern Panhandle. Gusty winds produced drifts between 6 and 10 feet. The storm produced the largest storm totals since the "Superstorm of March 12-14, 1993", which dumped similar amounts of snow across the region.

The storm was induced by a digging upper level trough over the eastern Great Plains. At the surface, an inverted trough extended from the Gulf of Mexico through the Deep South. Surface pressures began falling as the upper trough approached on the afternoon of the 7th. Meanwhile, confluent flow, behind an upper-level arctic vortex over the Canadian Maritimes, maintained strong (1034 mb) surface high pressure over northern New York state. As the upper-level trough approached the southeast U.S. on the 8th, a new surface low developed along the Georgia coast. The low deepened explosively while the arctic high remained in place. Copious Gulf of Mexico and Atlantic moisture was entrained into the system, producing heavy snow; the increasing gradient between the intensifying low and the arctic high caused winds to strengthen to 25 mph with gusts to 35 mph.

The system moved slowly from South Carolina to the mouth of the Chesapeake Bay overnight on the 7th. The slow movement prolonged near-blizzard conditions into the 8th. The storm finally moved towards New England later on the 8th, ending the snow but maintaining gusty north winds (and substantial blowing and drifting snow) until evening.

		Time Local/	Path Length	Path Width		ber of sons	Estim Dam	age		January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	

#### WEST VIRGINIA, East

All major highways were effectively closed through the 7th, as snow removal equipment fought a losing battle with the considerable blowing and drifting snow. All state and local governments, as well as all area school districts, were closed Monday (the 8th) and Tuesday (the 9th).

#### WVZ048>055

Minaral Country

Grant - Mineral - Hampshire - Morgan - Berkeley - Jefferson - Pendleton - Hardy

12 0700EST 0 0 Heavy Snow
1200EST

Less than one week after the crippling "Blizzard of '96", a new winter storm dumped substantial snow across eastern West Virginia. Total snowfall ranged from 5 to 8 inches, with some spots in the eastern Panhandle reporting up to 10 inches. The storm replenished snow depths, which had compacted during the week, back up to 30 to 36 inches.

The storm developed as an area of low pressure in the midwest, which became an elongated trough extending from the Tennessee Valley through southeastern North Carolina. As the upper-level trough approached, the North Carolina low became dominant, intensifying slowly as it moved through the mouth of the Chesapeake Bay, then to off the Delaware coast by late afternoon. Unlike the "Blizzard of '96", a lack of cold air behind the surface low, combined with a significantly weaker and more progressive upper-level trough, kept the surface low from intensifying rapidly. Nonetheless, eastern West Virginia received some of the highest snow totals in the East.

Travel was slowed early in the day, but by evening main arteries were clear.

Mineral County						
All	19	0300EST 1200EST	0	0		Flash Flood
Grant County						
All	19	0300EST 1200EST	0	0		Flash Flood
Pendleton County						
All	19	0400EST 1200EST	0	0	10M	Flash Flood
Hardy County						
All	19	0400EST 1200EST	0	0	9.5M	Flash Flood
Hampshire County						
AÎI	19	0400EST 1200EST	0	0		Flash Flood
Morgan County						
All	19	0500EST 1200EST	1	0	500K	Flash Flood
	F51VE					
Berkeley County						
All	19	0600EST 1200EST	0	0		Flash Flood
Jefferson County						
All	19	0600EST 1200EST	0	0		Flash Flood

An unprecedented combination, in recent history, of unseasonably warm, humid air overriding a dense snow pack estimated between 12 and 18 inches (but up to 2 feet of more at higher elevations) caused nearly all of the pack to vanish in a 12-hour period. The unseasonably warm air was drawn northward around the circulation of a deepening storm west of the Appalachians late on the 18th and early on the 19th. The melting snow, combined with downpours, produced catastrophic flooding over portions of the Potomac Highlands on the 19th.

Strong low-level southeast flow developed by late afternoon on the 18th. Initially, colder temperatures in sheltered valleys slowed the rate of snow melt while the warm moist air mass attacked the snow pack at higher elevations. By mid-evening, however, even lower elevations were warming rapidly. Flash flooding began at around the same time as the onset of heavy pre-frontal rains. Heavier showers fell over the same areas between 0400 and 0800EST, causing acute and widespread flooding and flash flooding to occur. Some areas received between 3 and 5 inches of rain during this period.

The most serious flooding was reported in the Potomac Highlands, with Pendleton and Grant Cos receiving the worst of it. The towns of Franklin and Circleville (Pendleton Co), and Petersburg (Grant Co) were evacuated at around 0800EST. Damage was estimated to be around \$10 million in Pendleton Co alone. High water from an overflowing creek knocked homes off their foundations in Mathias (Hardy Co); major flooding was reported countywide, where the highest storm total rainfall was noted (5 inches). Flooding was also acute in Morgan Co, where Berkeley Springs was inundated by rising waters.

Across the entire region, numerous creeks and streams were out of their banks well into Friday morning, closing roads, damaging homes and businesses, and causing mud and debris slides. One death was reported by Morgan Co officials. A 51 year old woman drove through high water signs and her vehicle stalled. She inexplicably left her vehicle and tried to seek safety, but was swept to her death in the current.

	ъ.	Time Local/	Path Length	Path Width	Number of Persons		Estimated Damage		January 199
ocation	Date	Standard	(Miles)	(Yards)	Killed In	jured	Property Crops	Character of Storm	
<u>VEST VIRGINIA, Ea</u>									
WVZ048>055	Grant - M 19 21	ineral - Hampsh 0600EST 0600EST *** River I	nire - Morga Flooding ***		y - Jefferson 0	- Pendl 0	eton - Hardy 20M 150K	Flood	
	equivale the wor and con	ent of 2 to 3 inchest regional flooding	es. The snov ng since 198 nm through th	w melt, com 5. River flo he 21st. Cre	bined with 1 oding began	to 3 incl during t	I within 12 hours ea hes of rainfall (some he flood/flash flood 21 feet above flood	e locations received event along the head	5 inches), productions 5 inches), productions 5 inches 5
	evacuate within) resource rivers' c	ed. The National at \$3 million, cores in Lower Town	l Park Servic mparable to and along b Additional d	the 1985 day to the Sher tamage was	Harpers Fer mage figures nandoah and l noted at the re	ry (WV)  There  Potomac  emaining	byed homes and bus Z053) estimated dar was peripheral dan rivers - from the Grigg bridge piers; on Vi	nage to the park (an nage to other park part nard Locks on the Po	d new construction of the
	Refer to	Flood/Flash Floo	od section of	this report f	or a more det	ailed bro	eakdown of damage	estimates.	
Dandleton County									
Pendleton County Sugar Grove	27	0700EST			0	0		Flash Flood	
Ü		0900EST flash flooding ver bridges near th			omac Highla	nds ear	ly on the 27th. In	Pendleton Co, cree	eks flooded seve
EST VIRGINIA, No	<u>orth</u>								
WVZ001>004-012-	Hancock -	Brooke - Ohio -	Marshall -	Wetzel - Ma	arion - Mono	ongalia -	- Preston - Tucker		
021>023-041						_			
	06 08	1600EST 1200EST			0	0		Heavy Snow	
	A major across n 24-30 in	r winter storm me orthern West Vir	ginia, bringii	ng travel to	a standstill. S	ome sto	ntic coast. The storn rm totals from count 3 inches, Wetzel an	ies affected include:	Tucker and Pres
WVZ023-041	Preston - T	Гucker							
	12	0100EST 1700EST			0	0		Heavy Snow	
	•	now fell across the County. The high			_		to six inches fell in	Tucker County and	6 to 8 inches fel
Preston County					_				
Rowlesburg	19	0500EST 1900EST			0	0		Flash Flood	
	estimate streams flood w damage	te rains and a med amount of 3.5. Numerous strea aters entered the and 90 minimal	60 to 4.50 in ms went out Cheat River ly affected in	of their bar of producing n Preston Co	off between nks and roads near-record ounty (note:	the after were fl flooding damages	ountains of West V rnoon of the 18th a looded, some homes g there. Nine resider s from small stream on County and \$1.7 l	nd the afternoon of and basements wer aces sustained major flooding and flood	the 19th into a e also flooded. The damage, 24 ming along the Ch
Tucker County	19	0500EST			0	0		Flash Flood	
Parsons	19	0500EST 1900EST			U	U		Flash Flood	
	the 18th roads. I destroye between	and the afternoo The water then e ed, 76 had major	on of the 19tentered the (contact damage, 10 tooding and R	h. This rund Cheat River 3 minor dan	off pushed sn , where near mage, and 51	nall strea record were n	nt of runoff of 3.50 ams across the coun flooding occurred. minimally affected. ver) Damages totaled	ty out of their banks In Tucker County, (Note: damages wer	and flooded ma 8 residences we e not differentia
Monongalia County					_				
Morgantown	19	0600EST 1400EST	wont out of	thair hante -	0 and flooded n	0	40K	Flash Flood	
Manangalia County	numero	ous sman streams	went out of t	men banks a	ma mooded n	earby ro	ads and homes throu	gnout the counties.	

0600EST 1400EST Numerous streams went out of their banks and flooded nearby roads and homes throughout the county.

0

Flash Flood

Monongalia County

Morgantown

19

		Time	Path	Path	Numbe Perso		Estima Dama	ited		January 1996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)		Injured	Property	Crops	Character of Storm	·
WEST VIRGINIA, North										
Hancock County										
Weirton	19	0600EST			0	0			Flash Flood	
	N	1400EST		- £ 41 ! 1 1	41		71	- c cl 1 .	1.4.4 4	C
		us sman stream ver, where majo			across the c	county. 1	ne majority	01 11000-1	related damages was	confined along the
Marion County	Ollio Ki	ver, where maje	n mooding (	ccurred.						
Fairmont	19	0600EST			0	0	40K		Flash Flood	
		1400EST								
	Numero	us small stream	s went out o	of their banks	and flooded	nearby r	oads and ho	mes throu	ghout the county.	
Brooke County	10	0.600 EGE			0	0				
Weirton	19	0600EST 1400EST			0	0			Flash Flood	
	Numero		s went out	of their banks	and flooded	l roads. T	The majority	of flood-	related damages, thou	igh, were confined
	near the	Ohio River, wh	nere major f	ooding occur	red.					
Hancock County										
Weirton	19	0600EST			0	0			Flash Flood	
	Numero	1400EST	s went out o	of their banks	across the co	ounty Th	ne maiority	of flood-re	lated damages was co	onfined along the
		ver, where majo			across the co	ounty. 11	ic majority	51 1100 <b>u</b> 10	iaica damages was ev	minica along the
Marshall County		, ,	Ü							
Fairview	19	0600EST			0	0			Flash Flood	
	Marina	1400EST		of their benle	and floods	d corroso	l moode The		of flood-related dam	and was somewad
		Ohio River, wh				u severa	i ioaus. Tiic	inajority	or mood-related dam	ages was commed
Ohio County	near the	Ollio Kiver, wi	iere major n	looding occur	ica.					
Wheeling	19	0600EST			0	0			Flash Flood	
		1400EST								
					and flooded	d roads.	The majorit	y of flood	-related damages was	confined near the
W . 10	Ohio Ri	ver, where majo	or flooding o	occurred.						
Wetzel County New Martinsville	19	0600EST			0	0			Flash Flood	
New Martinsvine	19	1400EST			U	U			riasii rioou	
								cross the	county. The majorit	y of flood-related
	damages	s was confined	near the Ohi	o River, wher	e major floo	oding occ	curred.			
WVZ023-041 I	Preston - T									
	19 20	0700EST 0500EST			0	0	2.4M		Flood	
			e northern n	nountains of V	West Virgin	ia and or	ne of the fla	shiest rive	ers in the country, wa	as the first river to
					_				night of the 18th due	
		_				,			Rain then fueled the	
	a river c	rest for Parsons	s. West Virg	ginia of 19.8 f	eet at 1 pm	on the 1	9th. 6.8 fee	t above flo	ood stage. This was in	ist four feet below

The Cheat River, in the northern mountains of West Virginia and one of the flashiest rivers in the country, was the first river to reach flood stage in this widespread flood event. The Cheat River began a rapid rise on the night of the 18th due to snow melt. Up to 25 inches of snow was in place before warm air moved in and melted the icy snowpack. Rain then fueled the rise, culminating in a river crest for Parsons, West Virginia of 19.8 feet at 1 pm on the 19th, 6.8 feet above flood stage. This was just four feet below the flood of record of 23.8 feet (November 1985). Near record flooding also occurred downstream at Rowlesburg. The river crested at 24.2 feet, 8.2 feet above its 16 foot flood stage, at 4 pm on the 19th. Many residences sustained damage to the house and contents.

Other small streams and creeks in the counties flooded. All tolled, in Preston and Tucker Counties, 85 homes had major damage, 127 homes minor damage, and 141 homes minimally affected. Damage was also sustained to bridges and roads.

An estimated 3.5 to 4.0 inches of runoff was released during the event.

### WVZ001>004-012 Hancock - Brooke - Ohio - Marshall - Wetzel

19 2300EST 0 0 7.5M Flood 22 1000EST

Flooding from the Allegheny and Monongahela Rivers met nearly simultaneously at the Point in Pittsburgh. The flood waters then flowed down the Ohio River. Widespread one to two inch rains, plus runoff from snowmelt in the West Virginia and Maryland mountains, combined to create major flooding along the Ohio River.

The Ohio River went above flood stage at East Liverpool, Ohio around 10 pm EST on the 19th. The river crested 10.8 feet above the 14 foot flood stage at East Liverpool. Subsequent rises downstream on the Ohio River were not as pronounced, (5.4 feet above flood stage at Hannibal, Ohio). Nonetheless, damages due to flooding to cities, industry, bridges, and communities, along the Ohio River, were enormous.

In Brooke County, 1 home was destroyed, 35 major damage, 214 minor damage. In Hancock County, 54 homes were destroyed, 6 major damage. In Ohio County, 26 homes were destroyed, 1573 minor damage, 100 minimally affected. In Marshall County 116 homes major damage, 234 minor damage. In Wetzel County, 275 minor damage.

In addition, hundreds of businesses, numerous schools, and a few businesses and water treatment plants were also damaged in the West Virginia Panhandle.

		Time Local/	Path Length	Path Width		ber of sons	Estima Dama			January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	

#### WEST VIRGINIA, North

In Ohio County, over \$100,000 in damages were sustained to a greyhound track and to recently renovated facilities on Wheeling Island. Nine-hundred greyhounds were evacuated from their kennels. Parts of the business were under 7 and one-half feet of water.

In Brooke County, the entire downtown business district in Wellsburg was flooded.

	111 2100	ne county, the entire do white	Will bushiness district in Well	ibourg mub iro	oueu.
Monongalia County Morgantown	24	0830EST 0930EST	0	0	Flash Flood
	Some sr	nall streams and roads were t	flooded across the county.		
WEST VIRGINIA, S					
WVZ042	Mercer				
	05 06	2330EST 1200EST	0	0	Winter Storm
WVZ043>044	Summers - 06	- Monroe 0000EST 1300EST	0	0	Winter Storm
WVZ045	Greenbrie 06	r 0030EST 1330EST	0	0	Winter Storm
WVZ042	Mercer 06 07	1200EST 1400EST	0	0	Heavy Snow
WVZ043>044	Summers - 06 07	- Monroe 1300EST 1430EST	0	0	Heavy Snow
WVZ045	Greenbrie 06 07	r 1330EST 1500EST	0	0	Heavy Snow

Up to 30 inches of snow on the 6th and 7th in southeast West Virginia closed schools, businesses, airports, many secondary roads and some primary roads, collapsed roofs, standed motorists, halted mail deliveries, trash pickup, and church services, and indirectly resulted in two fatalities.

Light snow developed across southeast West Virginia during the late evening hours on the 5th and continued until around 12 noon on the 6th. Snowfall amounts through 12 noon on the 6th were generally from 2 to 4 inches. The snow became heavy across the area around 12 noon on the 6th and continued into the afternoon hours on the 7th. Snow fell at the rate of 1 to 2 inches per hour in many areas during the storm. Snow depths by the evening hours on the 7th ranged from around 20 inches in southwestern Mercer County to over 30 inches in northern Greenbrier County. Average snow depths of greater than 24 inches were recorded in Monroe and Greenbrier Counties. On the 7th and the 8th, strong winds of 15 to 30 mph with higher gusts in the higher elevations resulted in snow drifts up to 10 feet high. A state of emergency was declared for southeast West Virginia.

There were several heroic life saving efforts to get medical attention, medicine, or food to those stranded at home. The National Guard used humvees and other special equipment to provide emergency medical assistance to those stranded. Private contractors were hired by state, county, and local road departments to help plow the roads. As a result of hazardous road conditions from the late morning hours on the 6th to the late afternoon hours on the 11th, there were numerous traffic accidents. On the 10th, separate accidents on ice covered roads indirectly resulted in the death of two woman and the injury of another woman and her two children. During the storm, the West Virginia Turnpike was closed for a time for all vehicles except those with chains or snow tires and interstate 64 in Greenbrier and Summers Counties was closed for a time for all traffic except for those with 4-wheel drive vehicles.

#### WVZ042>045

#### Mercer - Summers - Monroe - Greenbrier

11 2300EST 0 0 100K Heavy Snov 12 0630EST

Heavy snow developed across southeast West Virginia during the evening hours on the 11th. Snowfall amounts were generally from 7 to 9 inches. The weight of the snow from this storm in combination with the weight of the snow from the previous storm collapsed the roof of a seven car garage in Hinton. Hazardous road conditions resulted in numerous traffic accidents.

WVZ044	Monroe					
	19	0005EST	0	0		High Wind
		0120EST				
WVZ042	Mercer					
	19	0100EST	0	0	30K	High Wind
		0230EST				<u> </u>
<b>Greenbrier County</b>						
Countywide	19	0245EST	0	0	400K	Flash Flood
•		0700EST				
<b>Greenbrier County</b>						
Renick	19	0245EST	0	0	0	Thunderstorm Wind
Monroe County						
Countywide	19	0300EST	0	0	280K	Flash Flood
		0500EST				

			Path Length	Path Width		ber of sons	Estim Dam			January 1996
Location	Date		(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	
WEST VIRGINIA, So	outheast									
<b>Greenbrier County</b>										
Alderson	19	0300EST			0	0			Thunderstorm	Wind
Monroe County										
Union	19	0310EST			0	0			Thunderstorm	Wind
Mercer County										
Countywide	19	0430EST 0700EST			0	0	400K		Flash Flood	
WVZ043>045	Summers	- Monroe - Green	brier							
	19	0900EST			0	0	4.1M		Flood	
	20	1800EST								

A strong storm system on the 19th produced high winds, damaging thunderstorm winds and heavy rainfall. Snow melt in combination with the heavy rain resulted in flash flooding and then river flooding on most rivers. Record flooding occurred on portions of the Greenbrier River.

Heavy rainfall and significant snow melt resulted in flash flooding which heavily damaged the public facilities at the Blue Bend Recreation Area near White Sulphur Springs, damaged several mobile homes near Rupert, washed out route 92 in three locations in Greenbrier County and flooded and damaged roads and a few bridges in Mercer County. Damage was estimated at \$280,000 in Monroe County and \$400,000 in Mercer County.

Thunderstorm winds downed several trees in Renick, Alderson, and Union.

High winds not associated with a thunderstorm downed trees which knocked out the power in Ballard. High winds ripped the roof off a motel in Princeton damaging a nearby house and truck.

Heavy rain and snow melt resulted in major to record flooding on portions of the Greenbrier River. The Greenbrier River crested 6.5 feet above flood stage at Renick at 1800 EST on the 19th. The Greenbrier River at Alderson crested at a record 24.53 feet at 0500 EST on the 20th. This crest was 10.53 feet above flood stage and .58 feet above the previous record flood of 11/05/85. The City Hall at Ronceverte was flooded by nearly 7 feet of water from the Greenbrier River. The building sustained substantial damage. A temporary City Hall was established in the old junior high gymnasium building. Flash flooding and flooding damaged 40 businesses and 152 houses in Ronceverte, 30 businesses and 250 houses in Alderson, and 4 businesses, 65 houses and a church in Caldwell. Around 150 people were evacuated and sought shelter in Greenbrier County. In Greenbrier County, 832 structures, 1 school and 4 churches were damaged or destroyed in the flash flooding and flooding.

Mercer County Countywide	27	0045EST 0300EST	0	0	150K	Flash Flood
Monroe County 4 W Greenville	27	0300EST 0430EST	0	0	)	Flash Flood

Heavy rainfall resulted in the flooding of several small streams across Mercer County. Flood waters closed several roads and damaged a school and several other buildings in Mercer County. The National Guard assisted in evacuating of people in Bluewell, Montcalm, Green Valley and Oakvale. Heavy rain resulted in the flooding of Indian Creek approximately 4 miles west of Greenville.

#### WEST VIRGINIA, West

WVZ015>016-024>028-033>040-046>047 Kanawha - Roane - Mingo - Logan - Boone - Clay - Braxton - Mcdowell - Wyoming - Raleigh - Fayette - Nicholas - Webster - Upshur - Barbour - Pocahontas - Randolph

01 0000EST 0 0 Monthly Snowfall 31 2359EST

The month was the snowiest January on record at Beckley. At Charleston, the month was the second snowiest for any month on record. At Elkins, it was the third snowiest

of any month. Total snowfall was 44.6 inches at Elkins, 37.3 inches at Beckley, and 35.1 inches at Charleston. The high elevations of Randolph, Webster, Nicholas, and Pocahontas

Counties had over 55 inches of snow during the month.

WVZ005>011-013>020-024>040-046>047 Wayne - Cabell - Mason - Jackson - Wood - Pleasants - Tyler - Lincoln - Putnam - Kanawha - Roane - Wirt - Calhoun - Ritchie - Doddridge - Mingo - Logan - Boone - Clay - Braxton - Gilmer - Lewis - Harrison - Taylor - Mcdowell - Wyoming - Raleigh - Fayette - Nicholas - Webster - Upshur - Barbour - Pocahontas - Randolph

06 0400EST 0 0 Heavy Snov 08 0700EST

A prolong storm dumped from 1 foot of snow along the Ohio River counties to 3 feet of snow across the high mountains. The

depths at Snowshoe of Pocahontas County went from 8 inches prior to the storm to 46 inches by dawn on the 8th. On Point Mountain near Waneta, the snow depth went from 3 inches to 46 inches. There was no snow on the ground prior to the storm across the lower terrain. Some representative snow depths at dawn on Monday the 8th, include 11 inches at Parkersburg, 13 inches at Huntington, 15 inches at Glenville, 16 inches at Clarksburg,

		Time Local/	Path Length	Path Width	Number of Persons	Estimated Damage		January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed Injur	ed Property Cr	ops Character of Storm	

#### WEST VIRGINIA, West

17 inches at Weston, 19 inches at Elkins and Charleston, 20 inches at Beckley, 21 inches at Spencer, and 22 inches at Madison. The 2 day total snowfall of 23.3 inches at Charleston was the second greatest storm total snowfall this century for that city.

Since the snow fell on a weekend and hourly rates were not excessive, travel problems were minimized. However, by Monday the 8th, the 2 day total snow depth had stopped most vehicular travel. Many schools remained closed the entire week. On the 7th, the Amtrak Cardinal train with around 100 passengers enroute from Chicago to Washington stopped, not at a rail station, but behind a South Charleston motel. Passengers and crew stayed 2 days because of snow clogged and frozen track switches. Many towns used end loaders and dump trucks to haul snow piles from city streets and sidewalks. On the 7th, the governor declared a state of emergency, allowing National Guard troops to help remove snow and to assist snowbound residents. After the storm, President Clinton's disaster declaration, included West Virginia. Federal money was available to help reimburse state and local governments for emergency snow removal. The snow was dry, so unlike January 1994, very few power outages occurred.

The storm indirectly killed 4 men in Charleston. They died from heart attacks, that were brought on by shoveling.

The majority of the state press called the storm a blizzard due to the magnitude of snow. However, the storm was not a blizzard due to the light winds. Residents will long remember the Great Snowstorm of January, 1996. It was the fourth large snowstorm in less than 3 years to hit the Mountain State.

WVZ005>007-013>015-024>027-033>038-046>047 Wayne - Cabell - Mason - Lincoln - Putnam - Kanawha - Mingo - Logan - Boone - Clay - Mcdowell - Wyoming - Raleigh - Fayette - Nicholas - Webster - Pocahontas - Randolph

11 2200EST	0	0	Heavy Snow
12 1000EST			•
Four to 8 inches of new snow fell, except 8 to 12 in	nches		
across Pocahontas County. Total snow depths read	ched over		

2 feet in the central mountains. The snow depth reached 4 feet around Kumbrabow State Forest, Cheat Bridge, and Snowshoe.

<b>Braxton County</b>						
Countywide	19	0400EST 0900EST	0	0		Flash Flood
Kanawha County						
Countywide	19	0400EST 0900EST	0	0	20K	Flash Flood
Lincoln County						
Countywide	19	0400EST 0900EST	0	0	5K	Flash Flood
Harrison County						
Countywide	19	0400EST 0900EST	0	0	5K	Flash Flood
Pocahontas County						
Countywide	19	0430EST 1300EST	0	0	250K	Flash Flood
Webster County						
Countywide	19	0430EST 1300EST	0	0	200K	Flash Flood
Randolph County						
Countywide	19	0430EST 1300EST	0	0	150K	Flash Flood
Nicholas County						
Countywide	19	0430EST 1300EST	0	0	150K	Flash Flood
<b>Barbour County</b>						
Countywide	19	0500EST 1100EST	0	0	5K	Flash Flood

		Time Local/	Path Path Length Widt	Path	Number Persor		Estima Dama			January 1996
Location	Date	Standard	(Miles)	(Yards)		Injured	Property	Crops	Character of Storm	•
WEST VIRGINIA, Wes	<u>st</u>									
<b>Taylor County</b>										
Countywide	19	0500EST 1100EST			0	0	5K		Flash Flood	
Upshur County										
Countywide	19	0500EST 1100EST			0	0	10K		Flash Flood	
Lewis County										
Countywide	19	0500EST 1100EST			0	0	5K		Flash Flood	
<b>Doddridge County</b>										
Countywide	19	0500EST 1100EST			0	0	5K		Flash Flood	
Tyler County										
Countywide	19	0500EST 1100EST			0	0	5K		Flash Flood	
WVZ028>032-037>039-	Braxton -	Gilmer - Lewis	s - Harrison	- Taylor - N	icholas - We	ebster -	Upshur - P	ocahonta	s - Randolph	
046>047							_		_	
	19 20	0530EST 0100EST			0	0	4.5M		Flood	
Fayette County										
Countywide	19	0700EST 1200EST			0	0	5K		Flash Flood	
Raleigh County										
Countywide	19	0700EST 1200EST			0	0	5K		Flash Flood	
WVZ005>011	Wayne - (	Cabell - Mason	- Jackson -	Wood - Plea	sants - Tylei	r				
	20 22	1200EST 0700EST			0	0	1M		Flood	

Prior to a rain, the extensive snow cover in the western lowlands had melted during the prior 5 days. Only patches of snow remained in the wooded areas. Yet, 10 to 20 inches of snow remained over the mountainous counties. The water content of that remaining snow was 2 to 3 inches. On Thursday the 18th, temperatures ahead of a cold front rose into the 50s and 60s. Dew points climbed

into the 50s. Meanwhile, the winds increased. Thus, the remaining mountain snow was melting rapidly as rain approached. Six hour rainfall of 1.25 to 1.75 inches was common late Thursday night,

the 18th, into the predawn hours of Friday, the 19th. Heavier rain fell in northern Pocahontas County and the highlands of Randolph County. Rain amounts of 2 to 2.8 inches were measured around Snowshoe, Glady, Seneca State Forest, and Bartow. A spotter at Minnehaha Springs measured 2.8 inches of rain. Maximum estimated runoff of 4 to 6 inches occurred over the upper reaches of the Greenbrier River and the headwaters of the Shavers Fork.

Minor small stream flooding was common across Lincoln, Kanawha, Harrison, Lewis, Doddridge, Taylor, Braxton, Fayette, Raleigh, and Tyler Counties. Moderate to major small stream flooding occurred across Pocahontas, Randolph, Webster, Nicholas, Barbour, and Upshur counties. Leatherbark Creek and its small feeder runs did extensive erosion damage to the track bed of the Cass Railroad. Damage along Knapps Creek in eastern Marlinton was more severe than during the flood of November, 1985.

Headwater rivers rose quickly. The worst damage was along the Greenbrier River. The forecast point at Buckeye crested at 21 feet around 1400 EST on the 19th. This was around 2 feet lower than during the November 1985 flood. Many elderly people were trapped on their second floor in Marlinton. Water was 4 to 7 feet deep in the downtown business area of Marlinton. The local grocery store had \$60,000 of inventory destroyed. East Cass had 2 to 3 feet of water, damaging 15 homes. Over 300 individuals applied for federal assistance in Pocahontas County alone.

Other headwater rivers to reach flood stage include the Tygart Valley at both Belington and Philippi, the Little Kanawha at Glenville, the Gauley at Camden, and the Elk at Queens Shoals. Yet, damage was less severe.

On the headwaters of the Elk River, small communities such as Bergoo, Curtin, and Cherry Falls were flooded, along with the town of Webster Springs. In the Richwood vicinity of

		Time Local/	Path Length	Path Width		ber of	Estim Dam			January 1996	
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm		
WEST VIRGINIA, West											
	Nichola	Nicholas County, the Cherry River flooded homes in the Johnstown									
	and Riv	and Riverside Addition. A 69 year old Richwood man, with									
	previous heart problems, died while working on a sump dump.										
	Along the Shavers Fork of the Cheat River, flood water damaged										

Later, the Ohio River crested above flood stage at most points between Willow Island and Huntington. The crest was 4 to 5 feet above flood stage around Parkersburg, but dampened to 1 or 2 feet above flood stage near Huntington. The smaller towns such as Friendly, Sistersville, and St Marys sustained more flooding compared to down river at Huntington. The Corps

mobile homes and campers, especially at Bowden of Randolph

of Engineers flood control projects held water back from the mainstem Ohio River, causing this reduction down river. The crest at Parkersburg was 40.7 feet, at Point Pleasant 47.6 feet, and 51.9 feet at Huntington. All three cities installed some of their flood gates along the floodwall. The last time the Ohio River was higher along the Point Pleasant to Huntington reach was in February, 1979 when the crest was 1 to 2 higher. In Parkersburg, the 1979 flood was of about the same magnitude as the current crest.

The counties of Mason, Nicholas, Pleasants, Pocahontas, Randolph, Tyler, Webster, and Wood were declared disaster areas by President Clinton. Around 300 homes had major damage, the most being in Pocahontas County.

Harrison County						
Countywide	24	0530EST	0	0	5K	Flash Flood
·		0830EST				
Wirt County						
Countywide	24	0530EST	0	0	5K	Flash Flood
county water		0830EST	•			1111011 11000
Wood County						
Countywide	24	0530EST	0	0	5K	Flash Flood
county water		0830EST	v	·		111101111110011
	Rains of	f 0.75 to 1.25 inches in 6 hours	caused small streams			
	to flood	secondary roads. Some of the	flooded streams include	ed		
		n Creek in Harrison County, pla				
		d County. No evacuations were				
		2	e reported. Damage was	. 10		
	roads ar	nd culverts.				
Ritchie County						
Countywide	24	0530EST	0	0		Flash Flood
		0830EST				
Pocahontas County						
Countywide	27	0230EST	0	0	5K	Flash Flood
•		0530EST				
	701 01	. F 1 D' C ' F 1 10	311E 11C 1 1			

The Slaty Fork, Big Spring Fork, and Old Field Creek around the community of Slatyfork flooded, closing Route 219. Knapps Creek also overflowed, but did not damage any homes.

#### **WISCONSIN, Extreme Southwest**

WISCONSIN.	Northeast
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	NONE	REPORTED.			
WISCONSIN, Northea	<u>st</u>				
WIZ022-040	Door - Kev	waunee			
	03 04	1800CST 0400CST	0	0	Heavy Snow
	counties		ded 6 inches along the east		al Lake Michigan, fell across parts of Door and Kewauneo of Door county, 9 inches in the city of Kewaunee and 1
WIZ005	Vilas				
	08 09	1000CST 1000CST	0	0	Heavy Snow
	An Albe	erta Clipper brought heavy	snow to Vilas county. Six is	nch amoun	ts fell across the west and north parts of the county.
WIZ005-010>013- 018>022-030>031- 035>040-045-048>050			•	,	enominee - Oconto - Door - Marathon - Shawano - ara - Winnebago - Calumet - Manitowoc

0900CST 2200CST 0 Freezing Drizzle 16 Freezing drizzle fell across most of central and northeast Wisconsin, resulting in ice-covered roads. Numerous accidents were

		Time Local/	Path Length	Path Width	Number Person:		Estimated Damage		January 1996
ocation	Date	Standard	(Miles)	(Yards)	Killed Ir	njured	Property Crops	Character of Storm	
VISCONSIN, Northeas		including one	with a fatali	ty on State Hi	ahway 06 in	Outagan	nie county. The clic	ek roads also led to e	arly echool closing
		t cancellations		ity on state III	giiway 70 iii	Outagan	me county. The she	ik roads also led to e	arry school closing
WIZ045-048>050		- Winnebago	- Calumet -	Manitowoc					
	17	0600CST 1000CST			0	0		Fog	
	Dense fo		icross parts	of central and	east central	Wiscons	sin. Visibilities we	re reduced to near z	ero in the Oshkos
11/1/2007 010		ago county) ar	ea for a brief	period.					
WIZ005-010	Vilas - One 18	0700CST			0	0		Winter Storm	
	19	0100CST	a aratam bra	uaht a haavu r	nivture of nr	aainitatia	un to north control W	Jisaansin Ona ta tuu	o inches of sleet fo
								isconsin. One to two lations of around 8 in	
	at Lac o	du Flambeau (	Vilas count	y) and Midge	t Lake (One	ida cour		ng to 30 to 40 mph	
WI7011, 012 010, 010		ns, with visibili					d Doutogo		
WIZ011>013-018>019- 030-035>036	rorest - rio	orence - Marii	nette - Linco	nn - Langiad	e - Maratno	n - wood	a - Portage		
	18 19	0800CST 0200CST			0	0		Freezing Rain	
			rain, sleet an	d snow fell ac	cross parts of	central a	and northeast Wisco	onsin, with total accu	mulations of 2 to
	inches re	eported. Ice-cov	vered roads a	and winds gust	ting to 30 to	40 mph n	nade travel hazardo	18.	
XXII/70.40, 0.40, 0.50	<b>T</b> Z	XX7* 1	G 1 4	3.7 %					
WIZ040-048>050	Xewaunee 23	- Winnebago 1300CST	- Calumet -	Manitowoc	0	0		Heavy Snow	
	24	0100CST		som Loko Mir	ahiaan huawa	he hoory	, amore, to cost contr	•	itawaa (Manitawa
							bago, Calumet and l	al Wisconsin. Man Kewaunee counties.	nowoc (Mannowo
WIZ038-040-045-	•	- Kewaunee -					-		
048>050	25	1100CST			0	0		Heavy Snow	
		2300CST						•	
	accumul New Ho	ations were rep	ported at Ho	ortonville (Out and Manitowo	agamie cour	ity), Kew	vaunee (Kewaunee	and east central W county), Menasha (V aushara county) rep	Winnebago county
WIZ005-010>013- 018>022-030>031-						_		to - Door - Maratho - Calumet - Manito	
035>040-045-048>050	26	1000CST			0	0		Winter Storm	
	27	0600CST			-				c c
	in a 100 Wiscons with 14 (Wausha amount i with thu 30 to 40	mile wide swa in and along the inches measura county), 15 in Green Bay vender reported a mph blew the	ath centered the Lake Mic ared at Oshl 4.4 inches in was the secon at Pelican La snow around	along a line f higan shoreling kosh (Winneth Green Bay (Ind highest 24- ke (Oneida co d, resulting in	rom Wautom ne. The heav nago county) Brown count hour snowfa nunty) and Do whiteout cou	na to Mar viest amo y, 15 inc y) and 1 ll total fo enmark ( aditions a	rinette, with 6 to 12 punts fell in parts of thes at Wisconsin 6 inches at Menashor the city. The sno Brown county). St	n. Accumulations of a first amounts report of central Wisconsin a Rapids (Wood cours a (Winnebago cours we became convective rong north to norther a 4 to 8 feet. Hundre	nted in north central the Fox Valley and Wautom ty). The 15.4 ince in nature at times ast winds gusting t
WIZ005-010>011-013- 030-036	Vilas - One	eida - Forest -	Marinette -	Marathon - l	Portage				
	28 29	2100CST 1100CST			0	0		<b>Heavy Snow</b>	
	An arcti- included inches in	c cold front br 6 inches at Rl Stevens Point	hinelander (C (Portage co	Oneida county unty) and Amb	and Presquerg (Marine	ie Isle (V	Vilas county), 6.4 in y), and 8 inches at A	cheast and central W ches at Wausau (Ma Argonne (Forest coun	rathon county), 7. ty).
WIZ005-010>013- 018>022-030>031- 035>040-045-048>050						_		to - Door - Maratho - Calumet - Manito	
	29	0400CST			0	0		Blizzard	
	A	2000CST	front roared	across central	and northaga	t Wiscon	sin creating ground	l blizzard conditions.	Strong west win

A powerful arctic cold front roared across central and northeast Wisconsin, creating ground blizzard conditions. Strong west winds gusting as high as 35 to 45 mph whipped a fresh, powdery snowfall into a fury, resulting in zero visibilities and icy roads. The blizzard conditions developed across the Fox Valley during the morning rush hour, leading to numerous accidents. In Winnebago county alone, 80 accidents were reported, including 2 separate pileups involving 20 or more vehicles. Conditions were so severe in Winnebago county that the emergency broadcast system was activated. Interstate Highway 43 from the northern Brown county line to the southern Sheboygan county line was closed between 11 am and 4 pm. Highway 42 in Kewaunee county was also closed

#### Storm Data and Unusual Weather Phenomena Number of Persons Time Local/ Path Path Width Estimated Damage January 1996 Length (Miles) Date Killed Injured Property Crops Character of Storm Standard (Yards) WISCONSIN, Northeast due to severe drifting and poor visibility. School was cancelled or let out early in many districts, but not all of the students were able to make the trek back home. A group of 150 Kewaunee High School students were stranded at their school overnight when local road crews were unable to keep the roads from drifting shut. The combination of cold temperatures and wind created wind chill readings in the 30 below to 50 below zero range. WIZ005-010>013-Vilas - Oneida - Forest - Florence - Marinette - Lincoln - Langlade - Menominee - Oconto - Door - Marathon - Shawano -018>022-030>031-Wood - Portage - Waupaca - Outagamie - Brown - Kewaunee - Waushara - Winnebago - Calumet - Manitowoc 035>040-045-048>050 Bitter cold arctic air settled in across central and northeast Wisconsin as January came to a close. Record low temperatures were set in a few locations. On January 30th, Marshfield (Wood county) reported a record low of 30 below. On the last day of the month, Wisconsin Rapids (Wood county) set a new record low with a temperature of 25 below. The coldest readings occurred in north central Wisconsin on the 31st, with readings of 39 below at Arbor Vitae (Vilas county), 40 below at Harrison (Lincoln county) and 41 below zero at Lake Thompson (Oneida county). WISCONSIN, Northwest WIZ001 **Douglas** 0715CST **Heavy Snow** 1545CST A very localized line of lake effect snow dumped up to 13 inches on northeast Douglas County. The main area affected was north of U.S. Highway 2 between Amnicon Falls State Park and Maple. Douglas - Bayfield - Ashland - Iron - Burnett - Washburn - Sawyer WIZ001>004-006>008 **Heavy Snow** 19 An intense winter storm moved across the central plains, toward the Great Lakes, producing a variety of severe winter weather over Northwest Wisconsin. Warm air moved into the region ahead of the storm, causing precipitation initially in the form of freezing rain. Ice accumulations of 4 to 5 inches were reported in Burnett, Washburn, and Ashland Counties. The freezing rain then changed over to snow, eventually producing from 5 to 18 inches, with the heavier amounts close to Lake Superior. The weight of the ice and snow caused trees, power lines, and roofs to collapse. As the storm moved away from the region, northwest winds increased, gusting to over 40 mph, causing near blizzard conditions, and wind chills as low as 70 below zero. WIZ002>004-008>009 Bayfield - Ashland - Iron - Sawyer - Price 0430CST 26 **Heavy Snow** As a major winter storm moved through the Midwest, much of northwest Wisconsin received 6 to 9 inches of snow. The exception was northern Iron County where northerly winds produced an enhanced lake effect snowfall of 15.5 inches. Douglas - Bayfield - Ashland - Iron - Burnett - Washburn - Sawyer - Price WIZ001>004-006>009 28 30 0430CST A strong winter storm moving through the upper Midwest dropped 4-8 inches of snow on parts of northwest Wisconsin. The heavier amounts fell near Lake Superior where Cornucopia received 8 inches. Six inches was reported at both Bayfield and Brule. After the storm passed to the east, strong northwest winds produced near blizzard conditions and wind chills down to 70 below WISCONSIN, Southeast WIZ060-066-071 Ozaukee - Milwaukee - Racine 0 05 1100CST **Heavy Snow** 1900CST Fluffy lake-effect snow accumulated up to 7.5 inches over Southeast Wisconsin. The Milwaukee Airport picked up 7.5 inches followed by 6.3 in the city of Racine and 6.0 at Cedar Grove (Ozaukee county). The snow shower intensity forced a temporary closure of one main runway at Milwaukee. About 100 vehicle accidents were reported due to slippery roads. **WIZ070** Walworth 0500CST **Cold Temperature** 0900CST Cold temperatures around the freezing mark resulted in a hypothermia death of an elderly man in Elkhorn. He apparently fell out of his wheelchair and could not get back into it. M89OU WIZ059>060-064>066-Washington - Ozaukee - Jefferson - Waukesha - Milwaukee - Rock - Walworth - Racine - Kenosha 069>072 0800CST Freezing Rain Freezing rain quickly coated roads, bridges, overpasses, and sidewalks over parts of Southeast and Southcentral Wisconsin. Ice accumulations were about 1/8 inch, however, the glazing resulted in about 300 vehicle accidents. Area hospitals were deluged with indirectly related vehicle or personal injuries. Some ambulance services briefly ran out of ambulances. At least 242 poeple were hospitalized (indirectly related to glazing).

0

0

Lightning struck a home, starting a roof fire. Curtins in the home caught on fire, and several electrical outlets were blown out of

15K

Lightning

**Cold Temperature** 

Waukesha County

Merton

WIZ070

17

Walworth

18

the walls.

0440CST

0500CST

0900CST

		Time Local/	Path Length	Path Width	Num Per	ber of sons	Estim Dam	nated		January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	
WISCONSIN, Southeas	<u>st</u>									
		nperatures in th	e single digi	ts resulted in	a hypother	mia death	of an elder	rly Elkhorn	man. M88OU	
WIZ071	Racine	1220 CCT							<b>.</b>	
	18 19	1230CST 0400CST			0	0			Flood	
	A rapid	warm-up along	with light t	o moderate ra	in brough	some rap	oid rises and	d minor lov	v-land flooding to Se	outheast Wisconsin
	-				_	nowcover	. The Root	River at R	aymond (Racine cou	inty) crested at 8.42
*******		805CST on the	18th, or .42	feet above flo	ood stage.					
WIZ072	Kenosha 19	1445CCT			0	0			T21	
	19	1445CST 2345CST			U	U			Flood	
									or low-land flooding	
									most all of the exist	
		unster on the Fo	ox River in l	Kenosha cour	ity, there v	vas a cres	t of 10.07 f	eet at 1900	CST on the 19th, or	.07 feet over floor
WITOEC, 050 0/2, 0//	stage.		. D I.	.ee XX/-		M:11_	Dl-	XX7 - 141.	D	_
WIZ056>058-063>066- 069>072		Ü	e - Dane - Je	enerson - wa			ee - Kock -		- Racine - Kenosh	a
	23	0400CST 1300CST			0	0		0	Freezing Rain	
	Over So		Southeast	Wisconsina n	nixture of	freezing	rain and a	snow acc	umulation of 1 to 4	inches made road
									unty 12 people were	briefly hospitalized
		tly related glazii				classes by	y a couple h	ours.		
WIZ051>052-059>060		ac - Sheboyga	n - Washin	gton - Ozauk		0		0	<b>II</b> G	
	23	0900CST 1500CST			0	0		0	Heavy Snow	
	A conv		vy snow aft	fected a sma	ll part of	Eastcentr	al Wiscons	sin and lef	t accumulations of	6 inches or more
									fell at Dundee (Fon	
									out 50 vehicle accid	
WITOAC, 045 051, 052		•		•		d (indirect	tly related to	o heavy sno	w) due to a vehicle	accident.
WIZ046>047-051>052	Marquette 25	e - Green Lake 1200CST	- Fond Du	Lac - Sneboy	gan 0	0			Heavy Snow	
	23	2000CST			U	U			Heavy Show	
			•		•				Eastcentral Wiscons	_
				*	•				an county). Further	
					•		-	•	least 80 vehicle acci	
WIZ046>047-051>052-		•							ly related to glazing ngton - Ozaukee -	
056>060-062>065-	-	Waukesha - L			_	k - Colui	iibia - Dou	ge - wasii	iigtoii - Ozaukee -	iowa - Dane -
067>069	0									
	26 27	0000CST 0400CST			0	0		0	Heavy Snow	
			deposited he	avv snow ov	er Southce	entral and	parts of So	outheast W	isconsin. For some	counties it was th
				•					san (Green Lake co	
									eville (Iowa county	•
									10 inches at Baral	
									ivan (Jefferson cour	nty) and Sheboyga
	(Shehou	raan county): an	d 6 inches in	1 ( )conomous	oc (Wanba	cha count	v) and lane	cville (Roo	(county)	

), (Sheboygan county); and 6 inches in Oconomowoc (Waukesha county) and Janesville (Rock county).

The snow became convective as lightning and thunder put on a show in the afternoon hours. Snowfall rates peaked at 3 to 4 inches per hour, with Madison gathering 8 inches in only 2 hours! Coupled with northeast to northwest winds gusting to 40 mph this snowfall rate lowered visibilities to near zero at times. Snowplow crews were pulled off the roads in many areas by 1900CST. There were at least 800 vehicle accidents (indirectly related to the storm), and 6 people were briefly hospitalized. Airplane flights were delayed several hours. Interstate 90/94 was closed in stretches around Madison. Scattered power outages resulted in about 500 customers loosing electricity in the Sheboygan to Milwaukee area. Many schools canceled classes, or dismissed students early; and many evening high school basketball games were canceled.

WIZ046>047-051>052-056>060-062>072

Marquette - Green Lake - Fond Du Lac - Sheboygan - Sauk - Columbia - Dodge - Washington - Ozaukee - Iowa - Dane -Jefferson - Waukesha - Milwaukee - Lafayette - Green - Rock - Walworth - Racine - Kenosha

Blizzard

A rare, widespread ground blizzard tormented Southcentral and Southeast Wisconsin with the worst whiteout conditions ever experienced by some residents and travlers. Some drivers described it as "driving into a ball of cotton." The whiteout conditions occurred primarily in open, exposed areas. A fresh snowcover of 1 to 3 inches on top of an older cover of 6 to 20 inches was easily blown around by winds frequently gusting over 35 mph. Otherwise, bright sunshine was the rule in villages and urban areas were visibilities never went below 1.5 miles. The peak wind gusts was 54 mph in Waukesha (Waukesha county), while everyone else had gusts into the 40 to 49 mph range. There was an unofficial gust to 60 mph (52 knots) on an exposed ridge near Pewaukee (Waukesha county).

Several hundred vehicle accidents resulted, with the worst one being two 14-vehicle accidents along the same stretch of I-94 in Racine county. At least 33 people were briefly hospitalized because of the accidents (indirectly related to ground blizzard).

		Time	Path	Path	Number o		stimated		January 1996
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed Inj	ured Proper	Damage ty Crops	Character of Storm	
WISCONSIN, Southeast	<u>t</u>								
		of the Interstal classes. Servi						schools delayed the	ir opening times or
WIZ046>047-051>052- 056>060-062>072	Jefferson -	Waukesha - N			0		0		
	30	0200CST 2359CST			2	U	U	Extreme Wind	cniii
WIZ046>047-051>052-	Wind ch county) in both l	nills dropped to after overnight Kenosha and La	35 to 45 be lows across S afayette count	low zero. Mouthern Wisies. There w	Maximum temps consin of 5 be was an indirectle	peratures only low to 15 bel y-related dear	y made it to 3 ow. There was th in Sheboyga	above zero in Milv	
056>060-062>072	Jefferson - 31	Waukesha - M 0000CST 2359CST	Milwaukee - 1	Lafayette - (	Green - Rock 0	- Walworth - 10	- Racine - Ker	Extreme Cold	
	in Monr new dai tempera Milwaul	oe (Green cour ly record) in v tures never rec see county, and	nty), 23 below Waukesha (Wovered to zer 1 2 in Racine	in Plymout Vaukesha co o. Ten peop c county. So	h (Sheboygan unty). Wind ble were treate ervice stations	county), 21 b chills droppe d in hospitals were overwh	elow in Madis ed into the 40 s for frostbite in helmed with ca	below to 60 below njuries: one in Sheb	ed to 29 below zero nd 20 below zero (a v range as daytime boygan county, 7 in and hardware stores
WISCONSIN, Southwes	<u>st</u>								
WIZ017-029-032>034- 041>042-053>054		lark - Buffalo	- Trempeale	au - Jacksor			ernon - Craw		
	18 19	0700CST 0000CST			0	0		Heavy Snow	
		now fell over p						5 to 10 inches. Mo	ntana and Mondovi 4 feet.
WIZ017-029-032>034- 041>042-053>054	Taylor - C	lark - Buffalo	- Trempeale	au - Jacksor			ernon - Craw	ford	
	26 27	0700CST 0200CST			0	0		Blizzard	
WIZ017-029-032>034- 041>042-053>054	occurred was rece the storr	l along an axis	from La Cros ast of La Cros ernoon and e	se northeast sse while mo vening leavin	toward Fort M est areas averag ng drifts of 4 to	cCoy and into ge 10 to 13 in 8 feet. Trav	o northeast Wisches. Blizzard el was nearly i	sconsin. An isolated conditions existed compossible.	The heaviest snow report of 18 inches during the height of
041/042-033/034	29	1600CST			0	0		Extreme Cold	
	Tempera		pt well belov	v zero throu	ighout this pe	riod. Minim	um temperatu	res of -20 to -35 w	nto early February. were common, with
WISCONSIN, West			•		·		·		
WIZ014>016-023>028	Polk - Bar 17 18	ron - Rusk - St 2100CST 0500CST	t. Croix - Pie	rce - Dunn	- Pepin - Chip 0	pewa - Eau ( 0	Claire	Ice Storm	
	Freezing			U	ng from one qu	arter inch in	Eau Claire to 3	inches in the Ladys	mith and Rice Lake
WIZ014>016-023>028	18 19	ron - Rusk - St 0500CST 0300CST			0	0		Heavy Snow	
	visibility		of the 19th of	lue to blowir	ng snow. Some		_	vinds continued to some of the continued to so	•
WIZ015>016-024>028	26 27	tusk - Pierce - 1400CST 0300CST	_		1	0		Blizzard	
	Claire a	nd Dunn coun	ties. Eau Cla	aire received	9 inches of s	now, Menon	nonie 8 inches	•	d impassable in Eau es. An Elk Mound . F44OU
WIZ024>028	Pierce - Du 29	nn - Pepin - C 0500CST 1200CST	Chippewa - E	au Claire	0	0		Blizzard	
	_	l or closed ear						-	orning. School was January record for

		Time Local/	Path Length	Path Width		nber of rsons	Estim Dam			January 1996
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	
WISCONSIN, West										
WIZ014>016-023>028	Polk - Barı 31	ron - Rusk - St 0500CST	t. Croix - Pi	erce - Dunn	- Pepin -	Chippewa 0	a - Eau Cla	ire	Extreme Cold	
	31	2300CST			U	U			Extreme Colu	
									gh February 4th. The	
									u Claire. Some area s ifton on the 2nd. A v	
		n garage died fi				,e urreeree				oman accidently
WYOMING, Central an	<u>id West</u>									
	NONE	REPORTED.								
WYOMING, Extreme S		KEI OKIED.								
,										
WWOMING N. 41 C		REPORTED.								
WYOMING, North Cen	<u>itral</u>									
	NONE	REPORTED.								
$\underline{WYOMING, Northeast}$										
WYZ054>058		outh Campbel	ll - Moorcro	ft - Wyomin	_		ston		DĽ	
	16 18	2000MST 1100MST			0	0			Blizzard	
		55 Mph and s							<b>501.1</b>	
VVV/7054, 050	•							emperature	s to 70 below zero.	
WYZ054>058	29	outh Campbel 0000MST	u - Moorcro	it - wyomin	ід віаск Е 0	illis - vves 0	ston		Extreme Cold	
	31	2300MST								
WYOMING, Southeast	Low tem	peratures plun	ged to 30 bel	low zero with	n daytıme i	emperatu	res remainir	ig below ze	ro.	
WYZ001>004-011>012-	Vellowston	e National Pa	rk Mt Id - N	Jorth Absar	okas - Soi	ith Abasa	rokas - Co	dy Foothil	ls - Wind River Mtns	East - Lander
050>053									ntains - Buffalo Foot	
	01	0000MST 2300MST			0	0			Heavy Snow	
	Up to ele		snow fell in	the northern	mountain	s and the	adjacent foo	othills. The	e largest amount of ele	ven inches fell in
	Lander.	Interstate 90, r	north of Buff	alo was close	ed until 60	0 AM, ten	nporarily str	anding a n	umber of travelers.	
WYZ061>062	Southwest 02	Carbon - Nor 1400MST	th Carbon		0	0			High Wind (G48	`
		1800MST			•				8	
	Winds were sustained between 40 and 45 MPH at Arlington. The highest wind gust recorded was 54 MPH at 430 PM									
	Arlingto	n.								
WYZ061>067-069	Southwest	Carbon - Nor	th Carbon -	Snowy Ran	ge - Nortl	ı Larami	e Range - I	aramie Vs	alley - Laramie Range	- Platte -
// 12001>007 005	Cheyenne l		in curbon	onowy man	ge more	ı zaramı	c runge L	and and the	mey Lurumie Rung	1 14440
	03	0030MST 1000MST			0	0			High Wind (G60	)
	Winds w		between 40	and 50 MPI	H from Je	ffrey City	and Caspe	r to just ea	ast of the Laramie Ra	nge. Gusts were
	Winds were sustained between 40 and 50 MPH from Jeffrey City and Casper to just east of the Laramie Range. Gusts were generally between 55 and 65 MPH. The highest gust was 69 MPH in downtown Casper at 710 AM. The strong winds produced									
	-			_		•			ctor-trailer was overtu	
	side of C	asper around i	OO AW and	a truck was t	nown over	on mers	tate 25 at III	ne marker	72 due to the strong wi	nus.
WYZ021-063>070	Uinta - Sno Bluffs	owy Range - N	orth Laram	ie Range - I	Laramie V	alley - La	aramie Ran	ge - Platte	- Goshen - Cheyenne	Foothills - Pine
	03	1600MST			0	0			Heavy Snow	
	04 Heavy si	1600MST	arts of couth	ern Wyomin	g Siv to t	en inches	of snow we	is renorted	from eastern I aramia (	County and Platta
	Heavy snow fell over parts of southern Wyoming. Six to ten inches of snow was reported from eastern Laramie County and Platte County to the Snowy Range and in some areas of the southwest corner. The greatest snowfall in the lower elevations was eight to									
	ten inches at Horse Creek (Laramie County). Snowfall was even heavier in the Snowy Range, where the Snowy Range Ski Area									
	received	twenty inches	of new snow	<b>'.</b>						
WYZ062>064-066>067	North Carl	bon - Snowy F	Range - Nort	h Laramie l	Range - I	aramie D	ange - Plat	te		
	Cui	D110111 I				1	<sub>5</sub> ~ 1 141			

High Wind (G45)

0800MST 1300MST

Winds were sustained at 40 to 45 MPH over parts of the south central and southeast.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width		nber of rsons Injured	Estir Dan Property	nated nage Crops	January 1996 Character of Storm
WYOMING, Southeast	Dute	Standard	(WIIICS)	(Yards)	remed	mjarca	Froperty	Crops	Character of Storm
WYZ014>015-061>067- 069	Laramie Ra 08	ange - Platte - 0100MST 0900MST	Cheyenne l	Foothills	0	0	·		n Laramie Range - Laramie Valley - High Wind (G55)
									o just east of the Laramie Range. Wind any County) at 600 AM.
WYZ064-066>067-069	10 Winds w	omie Range - 1 0400MST 1000MST ere sustained l MPH, with the	oetween 40 a	nd 50 MPH	0 over and j	0 ust east of	f the Laram	ie Range. V	High Wind (G55) Wind gusts in that area were between 55
		nd (Platte Cour		-	,		. 01		
WYZ062-064-066>067	North Carl 11	oon - North La	aramie Ran	ge - Laramie	Range -	Platte 0			High Wind (G55)
		ts of south ce							and 45 MPH. Some wind gusts were dd at 809 AM.
WYZ067	Platte 12	0500MST 0800MST			0	0			High Wind (G45)
	Winds w	ere sustained b	between 40 a	nd 50 MPH,	ten miles	south of V	Vheatland.		
WYZ014-061>062-064- 066	Green Mou	ıntains - Sout	hwest Carbo	on - North C	arbon - N	orth Lar	amie Rang	ge - Larami	ie Range
	15 Winds w Laramie		oetween 40 a	nd 50 MPH t	0 from Beav	0 ver Rim ar	nd Jeffrey (	City in Fren	High Wind (G45) nont County, southeast to just east of the
WYZ002	North Absa	0130MST 0630MST		150 MDH	0	0	60.14D		High Wind (G52)
	Winds w	ere sustained t	oetween 40 a	nd 50 MPH.	The stron	igest gust	was 60 MP	H, sixteen i	miles southwest of Cody at 620 AM.
WYZ067-069	15	eyenne Foothi	ills		0	0			High Wind (G63)
		<b>0800MST</b> vere sustained ath of Wheatla				t gusts be	etween 55 a	nd 65 MPF	H. The strongest gust was 72 MPH, ten
WYZ001-006>007- 016>019-021		e National Pa ntains West -		eton/Mouta	ins - Jack	son Valle	ey - Star Va	alley - Salt	River Range - Kemmerer - Wind
	16 17 Six to for	1500MST 0630MST	of snow fell o	over much of	0 far west V	0 Vyoming	The greate	est amount v	Heavy Snow was fourteen inches at the top of Jackson
	Hole Ski		or show terr o	ver much of	iai west v	, youning.	The greate	st amount	was routeen menes at the top of sackson
WYZ002-004>005-009- 015-050>053-055- 059>070	- Sheridan Carbon - N Cheyenne I	Foothills - So forth Carbon Foothills - Pin	uthern Big I - Snowy Rai	Horn Mount	ains - Buf Laramie l	ffalo Foot Range - L	hills - Sou	th Campbe	rona - Northern Big Horn Mountains ll - Converse - Niobrara - Southwest mie Range - Platte - Goshen -
	winds gu fell throu	isted to as high	n as 55 MPH oon on the 1	creating win 7th. This wi	d chill ter ind and sr	nperature now produ	s as low as aced very lo	70 degrees ow visibiliti	Blizzard  t and north Wyoming. During that time, below zero. Two to six inches of snow les in blowing snow. Some roads were 18th.
WYZ022>025	17	ngs/Green Riv 1000MST 1800MST			0	0	4K		Heavy Snow
	Six to tw	velve inches of	f snow fell in	n parts of so	uthwest W	yoming.	The greate	est amount	was eleven inches at the Rock Sprimgs

Location	Date	Time Local/	Path Length	Path Width	Numb Pers	sons	Estimated Damage	January 1996
ocation WYOMING, Southeast		Standard	(Miles)	(Yards)	Killed	Injured	Property Crops	Character of Storm
, 2 Ominio, boundedst		Many acciden	ts were repo	rted and powe	er was out f	or a time	in the Rock Springs a	area.
WYZ001-006-016>019-			ark Mt Id - '	Teton/Mouta	ins - Star V	Valley - S	Salt River Range - K	Kemmerer - Wind River Mountains
021	West - Uin 18	ta 2000MST			0	0		Winter Storm
		n inches of sno d considerable				greatest a	mount was ten inche	s at Bondurant. In addition, strong wind
WYZ014>015-022>025- 061>067								- Southeast Sweetwater - Southwest ramie Range - Platte High Wind (G62)
	Winds v gusts we	vere sustained ere between 5	5 and 65 MI	PH, with the s	strongest gu	ist being		to just east of the Laramie Range. Win outh of Wheatland between 553 PM an 0 PM to 600 AM.
WYZ001-006	Yellowstor 20 21	ne National Pa 2000MST 0600MST	ark Mt Id - '	Teton/Mouta	nins 0	0		Heavy Snow
			fell at the n	niddle and top	parts of the	e Jackson	Hole Ski Area.	
WYZ061>066	23	1900MST	rth Carbon	- Snowy Ran	ge - North 0	Laramie 0	e Range - Laramie V	Valley - Laramie Range Blizzard
		0500MST read blowing s m Walcott Jun			bilities ove	r the sout	h central part of the s	state. Interstate 80 was closed during that
WYZ018-021>025- 061>062	Kemmerer North Car		ck Springs/C	Green River -	Red Deser	rt - Flam	ing Gorge - Southea	ast Sweetwater - Southwest Carbon -
	24	0800MST 2300MST			0	0		Blizzard
	MPH ov includin	vinds and heaver the area. S g Interstate 80	Snowfall was in the south	s from 12 to west corner, v	18 inches in were closed	n Evansto due to th	on, with 3 to 6 inche e snow and blowing a	ral Wyoming. Winds gusted to around 5 as over the rest of the area. Many road and drifting snow. A number of traveler and stranded due to the poor conditions.
WYZ014>015-061>067	Laramie R	ange - Platte	rona - South	west Carbor				th Laramie Range - Laramie Valley -
	27 28	0530MST 1400MST			0	0	5K	High Wind (G65)
								60 and 70 MPH. The strongest gust wa over on the south side of Casper.
WYZ001>003-006>007- 011-016>017-019-063							rokas - Teton/Mouts s West - Snowy Ran	ains - Jackson Valley - Wind River ge Winter Storm
	28	1600MST	g winds wer	e over the we	-		the Snowy Range.	Fifteen to forty inches of snow fell, wit
	the grea hours w addition	test amount be	eing forty in largest 24 ho from 55 to	ches in some our snowfall o 70 MPH wit	of the west	t facing r ed for tha	nountains. Twenty fat city. Some roads	four inches of snow fell in Jackson in 2 in the area were closed on the 28th. I higher areas. The strong winds cause
WYZ004>005-009- 050>053-055		hills - North l Big Horn Mou 0700MST						ountains - Sheridan Foothills - Extreme Cold
		1400MST	strong wind	s combined to	_	-	temperatures of 40 to	o 60 degrees below zero.
WYZ014-018-021>025-		•			•		•	ing Gorge - Southeast Sweetwater -
061>062		Carbon - Not 1000MST		на - коск ор	0 (mgs/Gree	0	- Mu Descri - Fialli	Blizzard
	Strong v	1700MST winds produce	d widesprea	d blowing an	d drifting s	now. So	me roads in the area	were closed due to the poor condition

Strong winds produced widespread blowing and drifting snow. Some roads in the area were closed due to the poor conditions. Some damage occurred in Rawlins due to 70 MPH gusts. Some highway signs in the south central along with highway fencing in

		Time Local/	Path Length	Path Width		ber of sons	Estim Dam	ated age		January 1996	
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm		
WYOMING, Southeast											
	the area	were blown do	wn. The wir	nds caused po	wer outage	es in Raw	lins and Sin	ıclair.			
WYZ063>064-066	Snowy Range - North Laramie Range - Laramie Range										
	28 29	2100MST 0800MST			0	0			Heavy Snow		
		Six to ten inches of snow fell in the southeast mountains. The largest amount was ten inches in the central Laramie Range.									
						C				C	
WYZ005-009	North Big 1	Horn Basin - S	South Big H	orn Basin							
	29	1100MST	8		0	0	4K		Flood		
	Warmar	1900MST	oused miner	ica iom floor	ling on the	Dia Horn	Dovor from	n Warland	to Manderson.		
	vv armer	temperatures c	auseu minoi	ice jain 11000	ing on the	Dig Hom	KOVEI IIOI	ii worianu	to Manderson.		
WYZ063	Snowy Ran	ago.									
W 12003	30	0500MST			0	0			Heavy Snow		
		1730MST							•		
	Up to a f	oot of snow fe	II in the Snov	wy Range. T	he largest a	amount wa	as a foot, 22	2 miles sou	theast of Saratoga.		
********	<b>73.</b>		-	D. D. W							
WYZ067>070	Platte - Gos	shen - Cheyen 0500MST	ine Foothills	s - Pine Bluff	ís O	0	15K		Blizzard		
	30	2000MST			U	U	13K		DIIZZaru		
	Light sno	Light snow and strong winds produced poor travel conditions and numerous accidents.									
WYZ001>025-050>053-									ls - North Big Horn		
055-059>070									ois - Wind River Mt		
Foothills - Wind River Basin - Green Mountains - Natrona - Star Valley - Salt River Range - Ke Mountains West - Upper Green River Basin - Uinta - Rock Springs/Green River - Red Desert - I											
									Iountains - Buffalo l		
	Campbell - Converse - Niobrara - Southwest Carbon - North Carbon - Snowy Range - North Laramie Range - Laramie										
	•	ramie Range	- Platte - Go	shen - Chey	_	_	e Bluffs		T		
	30 31	1700MST 2300MST			0	0			Extreme Cold		
	D 11			1.	•.,	201 1					

 $Record\ low\ temperatures\ were\ observed\ in\ many\ areas,\ with\ 38\ below\ zero\ in\ Worland\ on\ the\ morning\ of\ the\ 31st.$