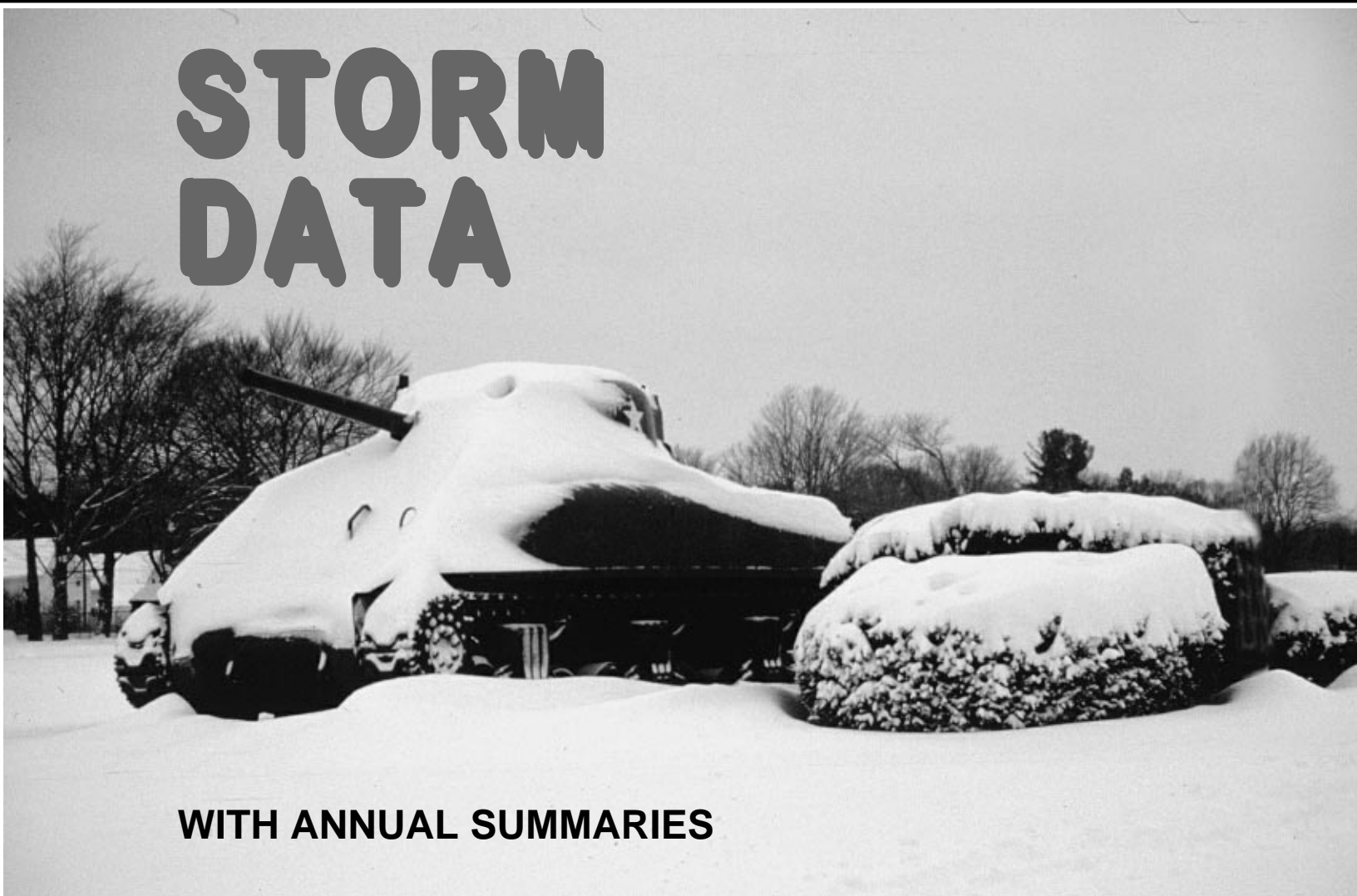


**DECEMBER 1995  
VOLUME 37  
NUMBER 12**

# **STORM DATA**



**WITH ANNUAL SUMMARIES**

**AND UNUSUAL WEATHER PHENOMENA  
WITH LATE REPORTS AND CORRECTIONS**



**noaa** NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION / NATIONAL ENVIRONMENTAL SATELLITE DATA, AND INFORMATION SERVICE / NATIONAL CLIMATIC DATA CENTER ASHEVILLE, N.C.

Cover: An early season nor'easter brought snow and high winds over the northeast. Shown on the cover is a snow covered WWII tank at Patton Park in Hamilton, Massachusetts on December 20 where 15 inches of snow was recorded for the storm. (Photo courtesy: Thomas J. Adams, Marblehead, Massachusetts.)

## CONTENTS

	Page
Outstanding Storms of the Month . . . . .	5
Storm Data and Unusual Weather Phenomena . . . . .	6
Additions . . . . .	61
Corrections . . . . .	64
Reference Notes . . . . .	65
Annual Summary of Lightning '94 . . . . .	66
Annual Summary of Tornadoes '94 . . . . .	75
Annual Summary of Lightning '95 . . . . .	86
Annual Summary of Tornadoes '95 . . . . .	95
Annual Summary of Flash Flood/Flood . . . . .	106

### STORM DATA

(ISSN 0039-1972)

National Climatic Data Center

Editor: Grant W. Goode

Publication Staff: William Angel, Greg Hammer, and Stuart Hinson

**STORM DATA** is prepared, funded, and distributed by the National Oceanic and Atmospheric Administration (NOAA). The Outstanding Storms of the Month section is prepared by the Data Operations Branch of the National Climatic Data Center.

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

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

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

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

Subscription, pricing, and ordering information is available from:

National Climatic Data Center  
151 Patton Avenue  
Asheville, NC 28801-5001  
(704) 271-4800 or (704) CLIMATE

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

Grant W. Goode  
National Climatic Data Center  
151 Patton Avenue  
Asheville, NC 28801-5001

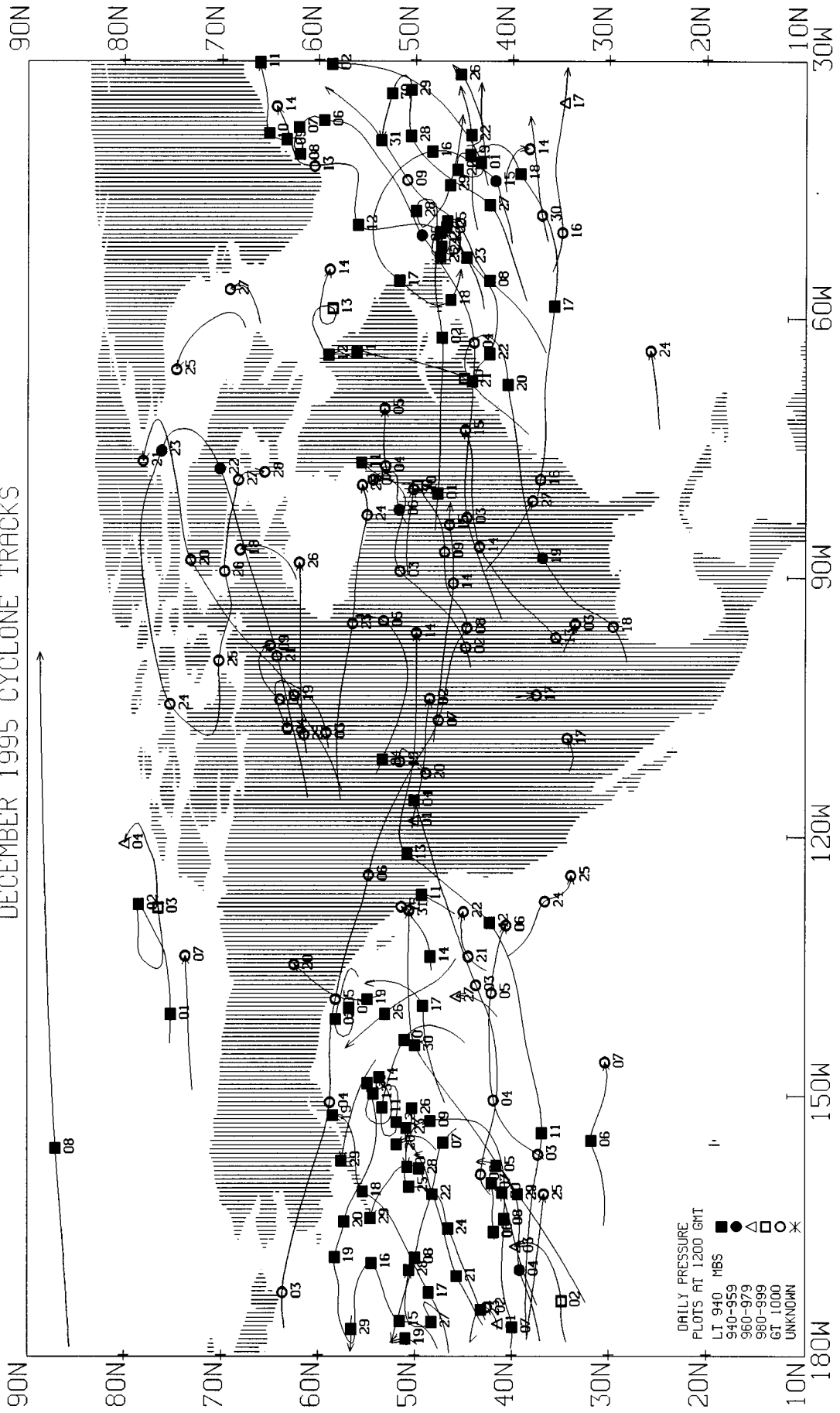
Any such items received by the editor will be for use in **STORM DATA** only. Any other use will be with the permission of the owner of said items. Materials submitted will be returned if requested in the original submission.

"I certify that this is an official publication of the National Oceanic and Atmospheric Administration and is compiled from information received at the National Climatic Data Center, Asheville, North Carolina 28801-5001."

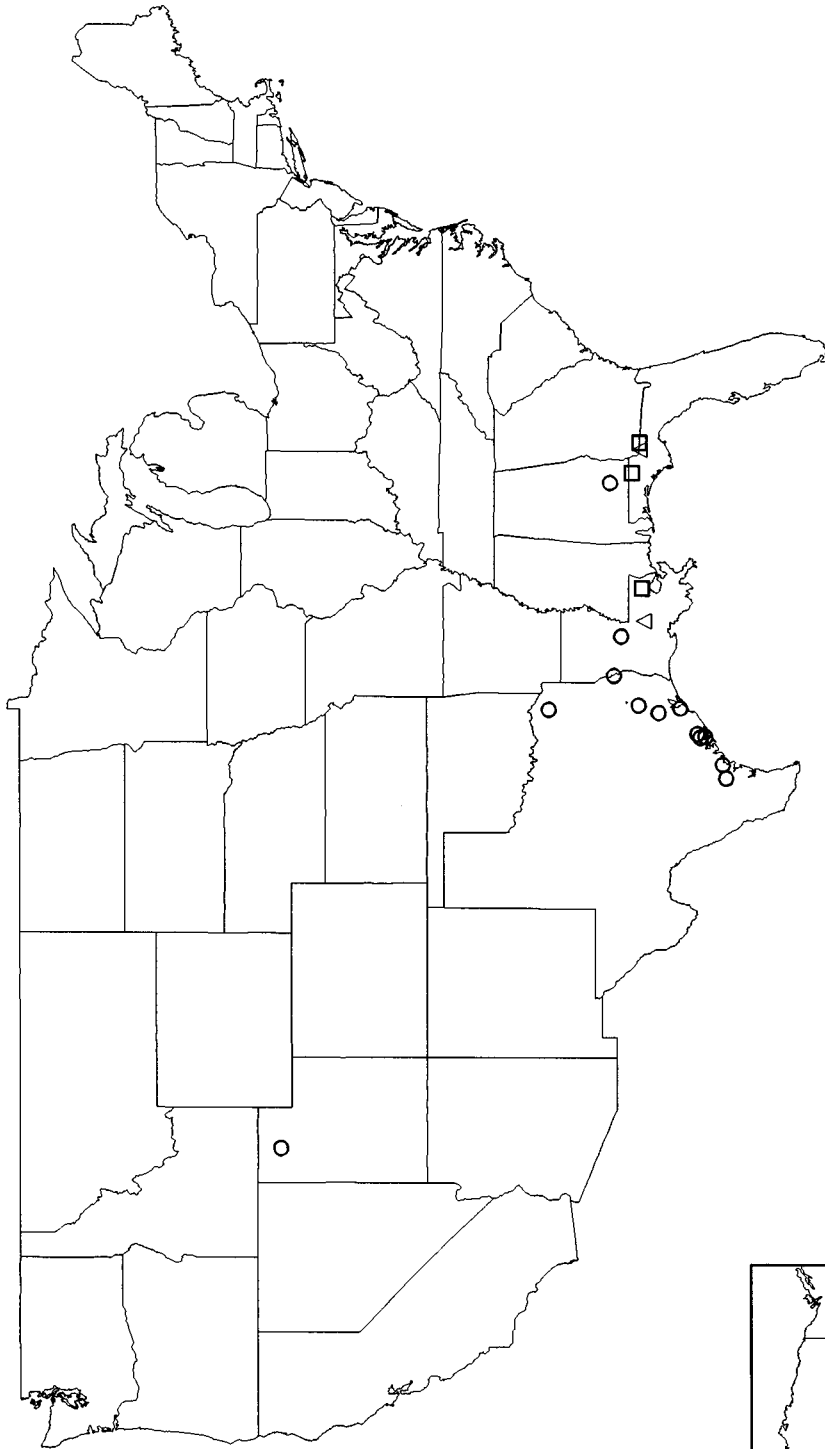


Director,  
National Climatic Data Center

# DECEMBER 1995 CYCLONE TRACKS

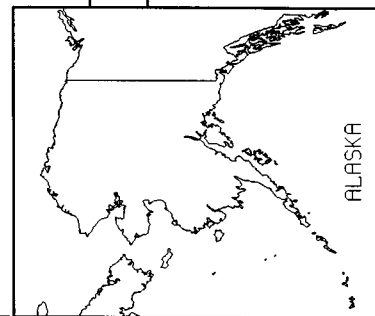


DECEMBER 1995 CONFIRMED TORNAOOES

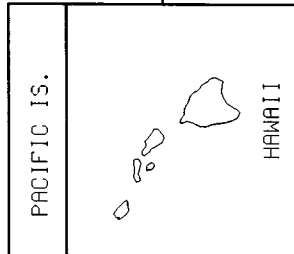


F SCALE	F0	F1	F2	F3	F4	F5
SYMBOL	○	□	△	×	●	■
NUMBER	13	3	2	0	0	0

TOTAL 18

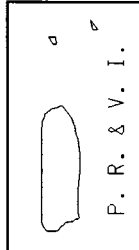


ALASKA



PACIFIC IS.

HAWAII



P. R. & V. I.

# OUTSTANDING STORMS OF THE MONTH

## 1. EARLY SEASON NOR'EASTER STRIKES THE NORTHEAST

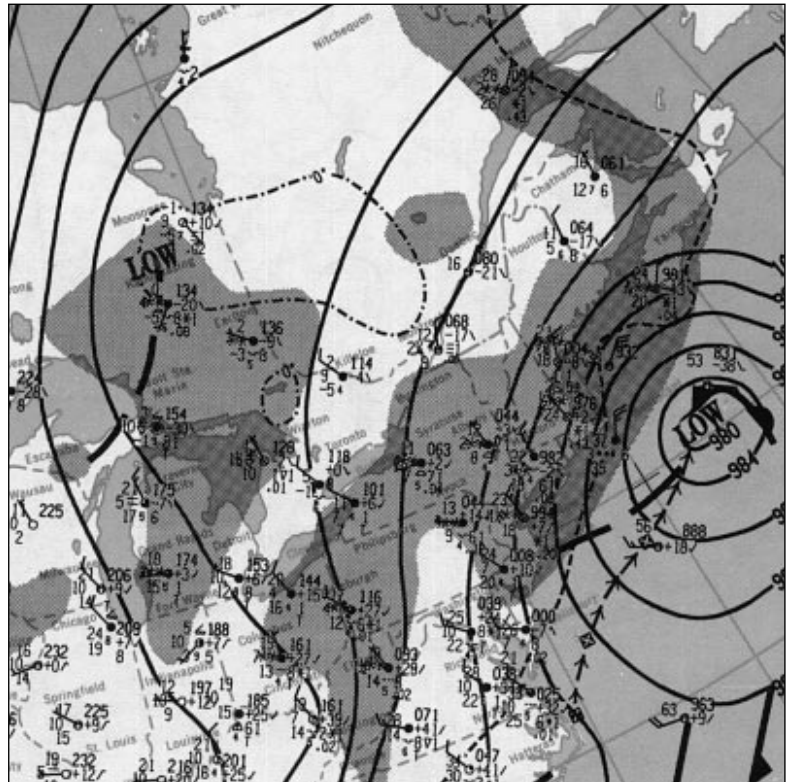
An early season "nor'easter" developed off the coast of North Carolina on December 19. As the storm approached the New England coast, the central barometric pressure had fallen to 28.94 inches (980 millibars) and was supported by a strong upper level closed low. By December 21, The central barometric pressure had dropped to 28.70 inches (972 millibars) and was centered between Maine and Nova Scotia. Snow totals in Boston exceeded 11 inches and with wind gusts of 41 miles per hour, drifting snow was a problem.



**Left:** A snow covered WWII tank in Patton Park in Hamilton, Massachusetts. This picture was taken on December 20 during a brief respite in the storm. After the storm's departure, fifteen inches of snow was measured at the park. *(Photo courtesy: Thomas J. Adams, Marblehead, Massachusetts.)*

**December 20, 1995, 7:00 AM**

**Right:** An enlarged portion of the surface weather map showing the location of the low at 7:00 AM EST on December 21. The arrows mark the track of the storm. Notice the tight packing of the isobars which helped produce the strong winds. *(Map courtesy: Climate Analysis Center, Washington, D.C.)*



# Storm Data and Unusual Weather Phenomena

December 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured		Estimated Damage Property Crops		Character of Storm
<b>ALABAMA, North Central</b>									
ALZ001>050	10				?	?	?	?	<b>Record Cold</b>
	A blast of Arctic air established several new record low temperatures across the northern two-thirds of Alabama. New record lows were set at Huntsville with 12 degrees, Birmingham with 13 degrees, Pinson with 11 degrees, and Montgomery with 19 degrees.								
Montgomery County Montgomery	10	unknown			1	?	?	?	<b>Cold</b>
	A 63-year-old man apparently died of hypothermia in an unheated house. The man was found dead on Monday, December 11th, lying fully clothed on a bed without any sheets or blankets. M63PH								
Jackson County Francisco	10	unknown			1	?	?	?	<b>Cold</b>
	The body of a 56-year-old man was found Monday, December 11th, by Jackson County Sheriff's Officers not far from his car which was stuck in a creek near the Francisco community in extreme northwest Jackson County. M56OU								
Lee County Smiths	18	1953CST			?	?	?	?	<b>Hail (0.75)</b>
	Dime-size hail was reported at Smiths in southeast Lee County.								
Barbour County Clio	19	0150CST			?	?	45K	?	<b>Thunderstorm Winds</b>
	Wind damage was reported in Clio to the roofs of five houses along with damage to several peanut trailers. One house was reportedly blown down.								
<b>ALABAMA, Southeast</b>									
Coffee County Jack	06	2230CST	.4	50	0	1	30K	0	<b>Tornado (F0)</b>
	A tornado flipped a mobile home and scattered debris 350 yards into nearby trees. A woman inside received a cut, while her two children escaped unharmed.								
Dale County Level Plains	07	0020CST			0	0	20K	0	<b>Thunderstorm winds</b>
	Winds overturned a mobile home and damaged several others.								
<b>ALABAMA, Southwest</b>									
Mobile County Mobile	17	2152CST			0	0	0	0	<b>Thunderstorm Winds</b>
	A wind gust of 69 mph was reported at Brookley Field just south of downtown Mobile.								
Mobile County Mobile	18	0815CST			?	?	?	?	<b>Hail (0.75)</b>
	Dime-size hail was reported in the west parts of Mobile.								
Mobile County Mobile	18	0932CST			?	?	?	?	<b>Hail (0.75)</b>
	Dime-size hail was reported just northwest of the Mobile Airport.								
Baldwin County Robertsdale	18	1100CST			0	0	2K	0	<b>Thunderstorm Winds</b>
	Trees and power lines were blown down in the Robertsdale area.								
Mobile County Semmes	18	1130CST			1	0	10K	0	<b>Flash Flood</b>
	Heavy rains of eight to 14 inches caused several streets in the Semmes area to flood. Wulff Road was closed for about five hours due to high water. A 22-year-old male was killed when he was swept into a culvert while trying to clear debris from a drainage ditch. Someone estimated that the flood waters were flowing at 50 to 60 mph in the area where he drowned. M22OU								
Mobile County Saraland	18	1200CST- 2000CST			0	0	50K	0	<b>Flash Flood</b>
	Heavy rains of eight to 14 inches caused several streets to flood in the Chickasaw and Saraland areas. Many of the creeks and bayous also came out of their banks. Norton's Creek, which runs through Shelton Beach Estates, came out of its banks and 20 homes had one-half to one foot of water in them. Some of the people had to evacuate their homes but were able to return the next day as the water drained out of the subdivision.								
Baldwin County Elberta	18	1400CST- 1700CST			0	0	10K	0	<b>Flash Flood</b>
	Heavy rains of five to eight inches caused many of the streets in southeast part of the county to flood. Frank Road which connects county roads 87 and 95 had to be closed for several hours due to high water.								
Washington County Leroy	18	1515CST			0	0	5K	0	<b>Thunderstorm Winds</b>
	Several trees and power lines were blown down in Leroy which is near U.S. Highway 43. One of the trees fell on a home and damaged the roof.								

# Storm Data and Unusual Weather Phenomena

December 1995

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

## ALABAMA, Southwest Cont'd

**Clarke County**  
Manila and  
Gosport

18	1530CST				0	0	50K	0	<b>Thunderstorm Winds</b>
High winds blew shingles from 10 homes in Wrights Corner which is near Manilla. Several trees were also blown down. A roof was also damaged by high winds near Gosport. Trees and power lines were also blown down. No injuries were reported at either location.									

**Washington County**  
Southern Part

18	1600CST- 1900CST				0	0	5K	0	<b>Flash Flood</b>
Heavy rains caused many of the streets in the south part of the county to be flood. Many of the dirt roads had to be closed for a few hours to allow time for the water to drain.									

**Choctaw County**  
Butler

18	1600CST				0	0	2K	0	<b>Thunderstorm Winds</b>
Several trees and power lines were blown down in the Butler area.									

**Mobile County**  
Citronelle

18	1615CST				0	0	2K	0	<b>Thunderstorm Winds</b>
Several trees and power lines were blown down just west of Citronelle.									

**Baldwin County**  
Gulf Shores

18	1710CST				0	0	20K	0	<b>Thunderstorm Winds</b>
High winds damaged a pavilion, picnic shelter and blew down a few telephone poles and street lights and signs near the intersection of county Road 182 and state road 59 in Gulf Shores.									

**Mobile County**  
Prichard

23	0900CST				1	0	?	?	<b>Extreme Cold</b>
An elderly independent female died of exposure in her front yard. The high temperature the day before in the Mobile area was in the upper 30s with the overnight lows that night in the middle 20s. Her home was not heated and she was found in her cluttered yard by a neighbor. She had collapsed while trying to put on another layer of clothing and died of hypothermia. Her age was estimated because she did not have a birth certificate or any records showing when she was born. F800U									

## ARIZONA, Southwest

**AZZ010-012-014-  
025-**

16	1700MST-				0	0	0	0	<b>Heavy Snow</b>
17	1500MST				0	0	0	0	
The first winter storm of the season dumped heavy snow on parts of central and eastern Arizona. Some snow accumulations include: five inches at Window Rock, six inches at Sunset Crater, eight inches at Heber, 11 inches at Hannagan Meadow, 13 inches at Pinetop, and 18 inches at the Sunrise Ski area.									

**AZZ014-  
St. Johns**

31	1710MST				0	0	0	0	<b>High Winds</b>
Strong gradient winds associated with a frontal passage produced wind gusts to 80 mph at St. Johns Airport.									

## ARKANSAS, Central & North Central

None reported.

## ARKANSAS, Northwestern

**Benton County**

Siloam Springs

10	1725CST				0	0	?	?	<b>Hail (0.88)</b>
----	---------	--	--	--	---	---	---	---	--------------------

Siloam Springs

10	1730CST				0	0	?	?	<b>Hail (1.25)</b>
----	---------	--	--	--	---	---	---	---	--------------------

8 E Siloam

Springs

10	1740CST				0	0	?	?	<b>Hail (1.75)</b>
----	---------	--	--	--	---	---	---	---	--------------------

Gateway

10	1745CST				0	0	?	?	<b>Hail (0.75)</b>
----	---------	--	--	--	---	---	---	---	--------------------

**Washington County**

Tontitown

10	1745CST				0	0	?	?	<b>Hail (1.75)</b>
----	---------	--	--	--	---	---	---	---	--------------------

Prairie Grove

10	1809CST				0	0	?	?	<b>Hail (1.75)</b>
----	---------	--	--	--	---	---	---	---	--------------------

**Carroll County**

Berryville

10	1830CST				0	0	?	?	<b>Hail (1.50)</b>
----	---------	--	--	--	---	---	---	---	--------------------

**Crawford County**

Van Buren

10	1855CST				0	0	?	?	<b>Thunderstorm Winds (G52), Hail (0.75)</b>
----	---------	--	--	--	---	---	---	---	--

**Madison County**

Huntsville

10	1856CST				0	0	?	?	<b>Hail (1.00)</b>
----	---------	--	--	--	---	---	---	---	--------------------

6 N St. Paul

10	1915CST				0	0	?	?	<b>Hail (0.75)</b>
----	---------	--	--	--	---	---	---	---	--------------------

Severe thunderstorms moved across northwest Arkansas during the late afternoon and early evening of November 10th. Thunderstorm winds gusted to 60 mph in Van Buren, and golf ball-size hail fell eight miles east of Siloam Springs, at Tontitown, and at Prairie Grove. Pea to slightly smaller than golf ball-size hail fell at Berryville, hail up to half-dollar size fell at Siloam Springs, and dime to quarter-size hail fell at several other locations in northwest Arkansas.

## ARKANSAS, Eastern

None reported.

# Storm Data and Unusual Weather Phenomena

December 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of		Estimated		Character of Storm
					Killed	Injured	Property	Crops	
<b>ARKANSAS, Southeast</b>									
									No reported.
<b>ARKANSAS, Southwest</b>									
									None reported.
<b>CALIFORNIA, Northwest</b>									
<b>CAZ001- Northwest California</b>									
	10	0300PST-							
	11	0300PST			0	0	?	0	<b>Wind Damage</b>
					Peak wind gust at Trinidad Head was 52 mph early morning on the 10th and 54 mph 7 N Laytonville at 1600 PST on the 10th. One of two feeder power lines into Del Norte County was downed at 1730 PST - 75 percent of the county was without power. Trees downed all through the area, minor structural damage.				
<b>CAZ001- Northwest California</b>									
	11	2200PST-							
	12	2000PST			2	?	4.8M	?	<b>High Winds</b>
					Peak gusts: 94 mph at Cooskie Mountain at 2100 PST, 84 mph at Trinidad Head at 0800 PST 12/12, 72 mph at Mendocino and 64 mph at the Eureka National Weather Service Office. Numerous trees and power lines downed with widespread roof damage to homes. Several trees fell onto homes. A 70-foot fir fell in a mobile home park in Redway, killing one woman (F61M). A transient camping on a Eureka dock was swept into Humboldt Bay and drowned when the dock collapsed in the wind and waves (M25O).				
<b>CAZ001- Northwest California</b>									
	11	2200PST-							
	13	2000PST			0	0	50K	0	<b>Heavy Surf, Coastal Flooding</b>
					Extremely large ocean swells, in excess of 25 feet, pounded the shore. A crab boat was broken free of its moorings in Trinidad Harbor and was smashed on the rocks. Most area beaches suffered extensive erosion.				
<b>Humboldt County</b>									
	12	0900PST-							
	13	1200PST			0	0	?	?	<b>Flooding</b>
					The Van Duzen River crested at 17.8 feet (flood stage 17 feet) between 1000 and 1100 PST. The Eel River at Fernbridge crested below flood stage on the morning of the 13th but the crest coincided with an 8+ foot high tide and heavy surf which impeded flow. As a result, low-lying areas of the Eel Delta were flooded.				
<b>Humboldt County Arcata Blue Lake McKinleyville</b>									
	14	1730PST-							
	15	0100PST			0	0	?	0	<b>Flash Flood</b>
					A stationary line of thunderstorms produced heavy rains causing creeks north and northeast of Humboldt Bay to flood. Spotters and radar indicated widespread three to four inches of rain in about two hours with local amounts of five to seven inches. Many homes were flooded. A road near Blue Lake was washed out.				
<b>Humboldt County 1 SE Fortuna Humboldt County</b>									
	15	1420PST			0	0	0	0	<b>Funnel Cloud</b>
	29	1830PST-							
	30	1200PST			0	0	7M	?	<b>Flood</b>
					Persistent heavy rain caused streams in central Humboldt County to over flow. Many mud and debris slides blocked roads. Flooding occurred on Salmon Creek, Jacoby Creek, Freshwater Creek, Yager Creek, and Power's Creek plus many smaller streams. The Mad River at Arcata crested at 24.1 feet, 24 foot flood stage. Considerable flooding of the Arcata Bottoms. The town of Blue Lake had extensive flooding from Power's Creek.				
<b>CALIFORNIA, South Central</b>									
<b>Kings County Hanford</b>									
	13	1500PST			0	0	?	?	<b>Severe Thunderstorms</b>
					In an unstable airmass numerous thunderstorms were noted through the NWSO San Joaquin Valley county warning area the afternoon of December 13. With a Severe Thunderstorm Warning issued at 1423 PST and a valid time of one hour, one-inch hail was observed in north Hanford at 1500 PST by an National Weather Service Employee. Additional damage included some small trees uprooted from wind associated with the storm's passage. The reflectivity associated with this storm was 67dBz which spiked to 69dBz; VIL of 37; and, storm top of 29,000 feet.				
<b>Fresno County Sanger</b>									
	13	1525PST			0	0	?	?	<b>Hail</b>
					Strong reflectivity on the San Joaquin Valley WSR-88D prompted the issuance of a Severe Thunderstorm Warning for South-Central Fresno County and Northwestern Tulare County at 1446PST with a valid time of 45 minutes. Hail size of one-half to three-quarters inch hail was observed in Sanger (12 miles ESE of Fresno) from this storm. While the Severe was likely needed for both Fresno and Tulare Counties, no verification could be obtained from the Tulare County side of the line. The reflectivity associated with this storm was 65dBz and VIL of 37.				
<b>Kern County Weedpatch</b>									
	13	1515PST			0	0	?	?	<b>Hail</b>
					Two separate but merging storms southwest of Bakersfield were observed with VILs of 30 and 25, storm tops of 20,000 feet, and maximum reflectivities of 55-60dBz. The warning decision was made by WSR-88D radar interpretation only. After				



# Storm Data and Unusual Weather Phenomena

December 1995

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

## CALIFORNIA, South Central Cont'd

merging these storms had a maximum VIL of 37, a reflectivity maximum of 61dBz, storm top was 31,000 feet, and a storm top divergence of 60 at its peak. A subsequent report of one-inch hail occurring at 1515 PST was received from Weedpatch, 10 miles southeast of Bakersfield. Additional hail of five-eighths inch was reported at Lamont, 12 miles ESE of Bakersfield at 1600 PST.

**Kern County**  
East  
Bakersfield

13	1530PST				0	0	?	?	<b>Hail</b>
----	---------	--	--	--	---	---	---	---	-------------

The SVR issued based on radar information, as previously described, for the period from 1519 PST until 1600 PST did provide some lead time. Additional one-inch hail was reported at 1530 PST in East Bakersfield by Kern County Emergency Management to NWSO San Joaquin Valley.

## CALIFORNIA, Western

**CAZ 01>03**  
**06>10**

09	1000PST-								
12	1800PST				1	15	60M	5M	<b>Winter Storm, High Winds</b>

Widespread winds over 40 mph many report 60 to 80 mph. Max Wind 135 mph from PG&E in San Francisco Area before it blew away. Major Damage in the San Francisco Bay Area where \$15 million was reported to the Arboretum and still unestimated damage to the magnificent trees in the Golden Gate park which was closed for nearly three weeks. Power outages to around 1.5 million people resulted from this storm and some power was out for more than a week causing great financial damage and personnel hardship particularly in the mountainous areas. The wind strength and area coverage was labeled as the worst in the San Francisco Area since 1962-63. Two to five inches of rain fell over with a max of 11.3 inches reported at Kentfield in Marin County a good part of the area with some flash flooding but mainly small stream and local flooding occurred. Two dozen roads closed due to flooding and downed trees in Sonoma County Many reports of houses and other building damaged by falling trees and broken glass due to winddriven debris. One hundred sixty-nine schools closed in the area. Fourteen inches of rain in a 36-hour period over the Russian River Basin. From some of the paths of damage across the San Francisco area it could be determined that a wetdown burst mechanism may have contributed to the wind damage.

**Contra Costa**

12	0500PST				0	0	0	0	<b>Local Flood</b>
----	---------	--	--	--	---	---	---	---	--------------------

Interstate 80 Flooded at Richmond at San Pablo Dam road.

**San Francisco County**

12	0450PST				0	0	0	0	<b>High Winds</b>
----	---------	--	--	--	---	---	---	---	-------------------

Forty mph wind at south San Francisco.

**San Francisco County**

12	0650PST				0	0	0	0	<b>High Winds</b>
----	---------	--	--	--	---	---	---	---	-------------------

58 Kt gusts at South San Francisco.

**Marin County**

12	0830PST				0	0	.1M	0	<b>High Winds</b>
----	---------	--	--	--	---	---	-----	---	-------------------

A tractor-semitrailer blown over on San Rafael Bridge. The road closed for six hours.

**San Mateo County**

12	1000PST				0	0	0	0	<b>High Winds</b>
----	---------	--	--	--	---	---	---	---	-------------------

Gust to 70 Kts at San Francisco Airport.

**Santa Clara County**

12	1030PST				0	0	0	0	<b>High Winds</b>
----	---------	--	--	--	---	---	---	---	-------------------

Forty-five mph wind and several trees down Sunnyvale.

**San Francisco County**

12	1200PST				0	0	.1M	0	<b>High Wind Damage</b>
----	---------	--	--	--	---	---	-----	---	-------------------------

A tractor-semitrailer blown over on Bay Bridge with trailer hanging over the edge of bridge.

**San Francisco County**

12	1226PST				0	0	0	0	<b>High Winds</b>
----	---------	--	--	--	---	---	---	---	-------------------

Seventy-two kt gust South San Francisco.

**Marin County**

12	1236PST				0	0	0	0	<b>High Winds</b>
----	---------	--	--	--	---	---	---	---	-------------------

Sevnty mph wind gusts.

**San Francisco County**

12	1300PST				0	0	1M	0	<b>High Wind Damage</b>
----	---------	--	--	--	---	---	----	---	-------------------------

Roof blown off and other damage to historic Cliff House Restaurant in SFO.

**San Francisco County**

12	1355PST				0	0	0	0	<b>Thunderstorm</b>
----	---------	--	--	--	---	---	---	---	---------------------

Thunderstorm winds gusts to 71 kts at South San Francisco.

**Alameda County**

12	1400PST				0	0	1M	0	<b>High Winds</b>
----	---------	--	--	--	---	---	----	---	-------------------

One hundred thirty five mph wind gust on hill at 1894 feet that destroyed the PG&E wind sensor. It buckled radio tower and destroyed Sat. Communications dishes at the site.

**San Francisco County**

12	1430PST				0	0	15M	5M	<b>High Winds</b>
----	---------	--	--	--	---	---	-----	----	-------------------

Winds were 85 mph at San Francisco State University. Damage to San Francisco Arboretum and Golden Gate Park trees and exotic plants.

**Alameda County**

12	1515PST				0	0	5M	0	<b>High Winds</b>
----	---------	--	--	--	---	---	----	---	-------------------

Wind gust were up to 75 mph. Three large ocean going vessels and a number of other large boats and barges and dock facilities in Oakland and San Francisco Bay.

**Santa Clara County**

12	1535PST				0	0	?	?	
----	---------	--	--	--	---	---	---	---	--

The rain totaled 6.7 inches in 24 hours. Flash flooding and urban and small stream flooding.

**Santa Clara County**

12	1545PST				0	0	?	?	<b>High Winds</b>
----	---------	--	--	--	---	---	---	---	-------------------

Winds reached 97 mph, Mt Umunum WSR 88D.

# Storm Data and Unusual Weather Phenomena

December 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b>CALIFORNIA, Western Cont'd</b>									
San Francisco County	12	1403PST			0	0	0	0	High Winds
		Winds reached 103 mph at Angel Island.							
Sonoma County	12	1445PST			0	0	0	0	Heavy Rain
		They were 7.7 inches of rain in 24 hours at Healdsburg.							
San Francisco County	12	1500PST			0	0	0	0	High Winds
		Wind gusting 70 Kts in South San Francisco.							
Alameda County	12	1600PST			0	0	0	0	Heavy Rain
		There was 2.66 inches of rain in 45 min at Oakland.							
<b>CALIFORNIA, West South Central</b>									
CAZ015									
Ventura County	13	0400PST-							
Santa Barbara County	14	0000PST			0	0	?	0	Coastal Flood
Coastal Areas		A powerful storm system, coupled with a long westerly fetch across the North Pacific, generated 15-20 foot ocean swells. Numerous city streets in Santa Barbara flooded briefly. In Carpinteria, seven seaside residences on Sandy Lane Road were damaged, two severely. A log carried by the surf, smashed through a sliding glass door at 4709 Sandy Lane Road, filling the house with up to three feet of water and sand. In Ventura, the historic Ventura Pier sustained \$1.5 million in damage as 420 feet of decking and 150 pilings were torn away and washed up on nearby beaches.							
Orange County									
Fullerton	13	1300PST			0	0	0	0	Funnel Cloud
		Scattered thunderstorms developing in advance of a strong cold front spawned a funnel cloud which was briefly spotted one-half mile northeast of the Fullerton Airport.							
Ventura County									
Thousand Oaks	13	1910PST			0	0	?	0	Wet Microburst
		Thunderstorms, accompanying a strong cold front, produced strong winds that snapped dozens of trees up to twelve inches in diameter, blew down fences, and blew shingles off of roofs along a two mile stretch of Janss Road, near State Highway 23. The choir building at the United Methodist Church had one fourth of its roof sheared off.							
San Diego County									
Escondido	20	1600PST- 1630PST			0	0	?	0	Hail (0.50)
		A thunderstorm produced small hail up to three inches deep in the Friendly Hills Mobile Home Park. The weight of the hail apparently caused the collapse of a carport onto a car with minor damage.							
CAZ019-013									
Antelope Valley	23	0000PST- 1500PST			0	0	0	0	Heavy Snow
San Bernardino and San Gabriel Mountains		A low pressure system rapidly intensified over Southern California producing heavy snow. Resorts in the mountains reported around a foot, while Lancaster and Palmdale, in the Antelope Valley, received eight inches. Snow forced the closure of Interstate 15 through the Cajon Pass and Interstate 5 through the Tejon Pass for several hours.							
CAZ015									
Santa Barbara and Ventura County	31	1800PST- 2400PST			0	0	5.5M	7M	High Winds (G65)
Coastal Areas		Strong north to northeast gradient winds in the upper atmosphere and at the surface, combined to funnel gusty offshore flow below passes and canyons of Santa Barbara County. In Santa Barbara, 300 trees were blown down and another 200 suffered heavy damage. Falling trees and branches caused millions of dollars in damage to homes, businesses, and automobiles. At various times, power to 38,000 residences was knocked out in Santa Barbara and Ventura Counties. In Carpinteria, four major electric transmission lines fell, along with 30 power poles, closing U.S. Highway 101 for several hours. Heavy agricultural losses were sustained to avocado orchards, as trees were damaged or blown down, along with approximately one million pounds of fruit. Nursery stock and flowers were hard hit as well, with many greenhouses damaged or destroyed. Wind driven flames burned down two greenhouses in Goleta.							
<b>COLORADO, Eastern</b>									
		None reported.							
<b>COLORADO, Central</b>									
COZ033>036-038-040									
Northern Mountains	04	0400MST- 2100MST			0	0	?	0	High Winds
Front Range Foothills		Very strong downslope winds gusting to 100 mph (87 kts) knocked down trees and power lines triggering 800 power outages. Downed power lines sparked a half dozen brush fires ranging up to four acres in size. In addition, part of an old drive-in movie screen in Boulder was blown over, several car windows were blown out and the roof was nearly blown off the Fraser Post Office. A few of the locations reporting the strongest wind gusts included: Golden Gate Canyon (87 kts), Rocky Flats Environmental Technology Site (86 kts), North Boulder (83 kts), Wondervu and Berthoud Pass (82 kts), Conifer (70 kts), South Boulder (67 kts) and Rustic (61 kts).							

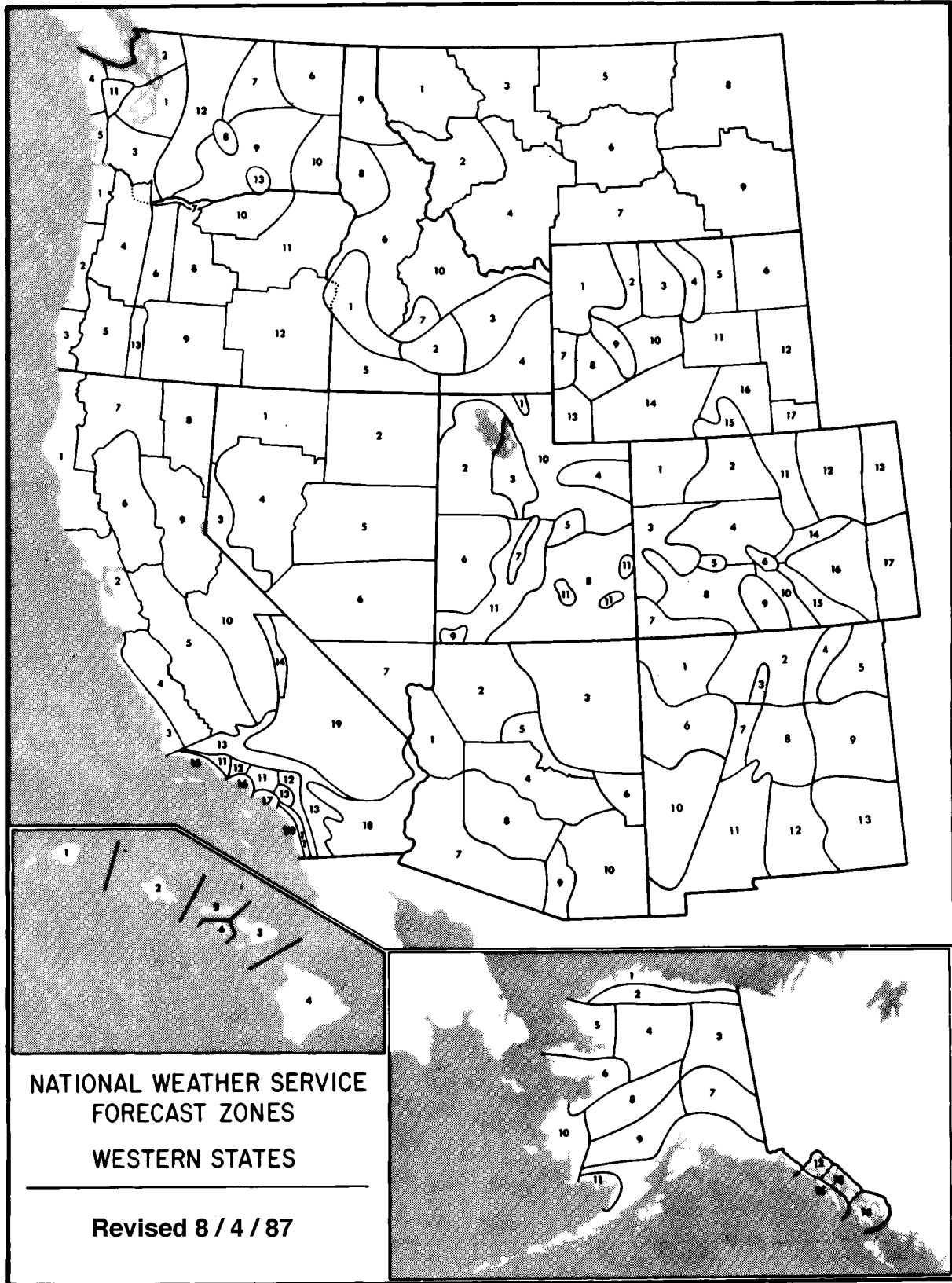


## Storm Data and Unusual Weather Phenomena

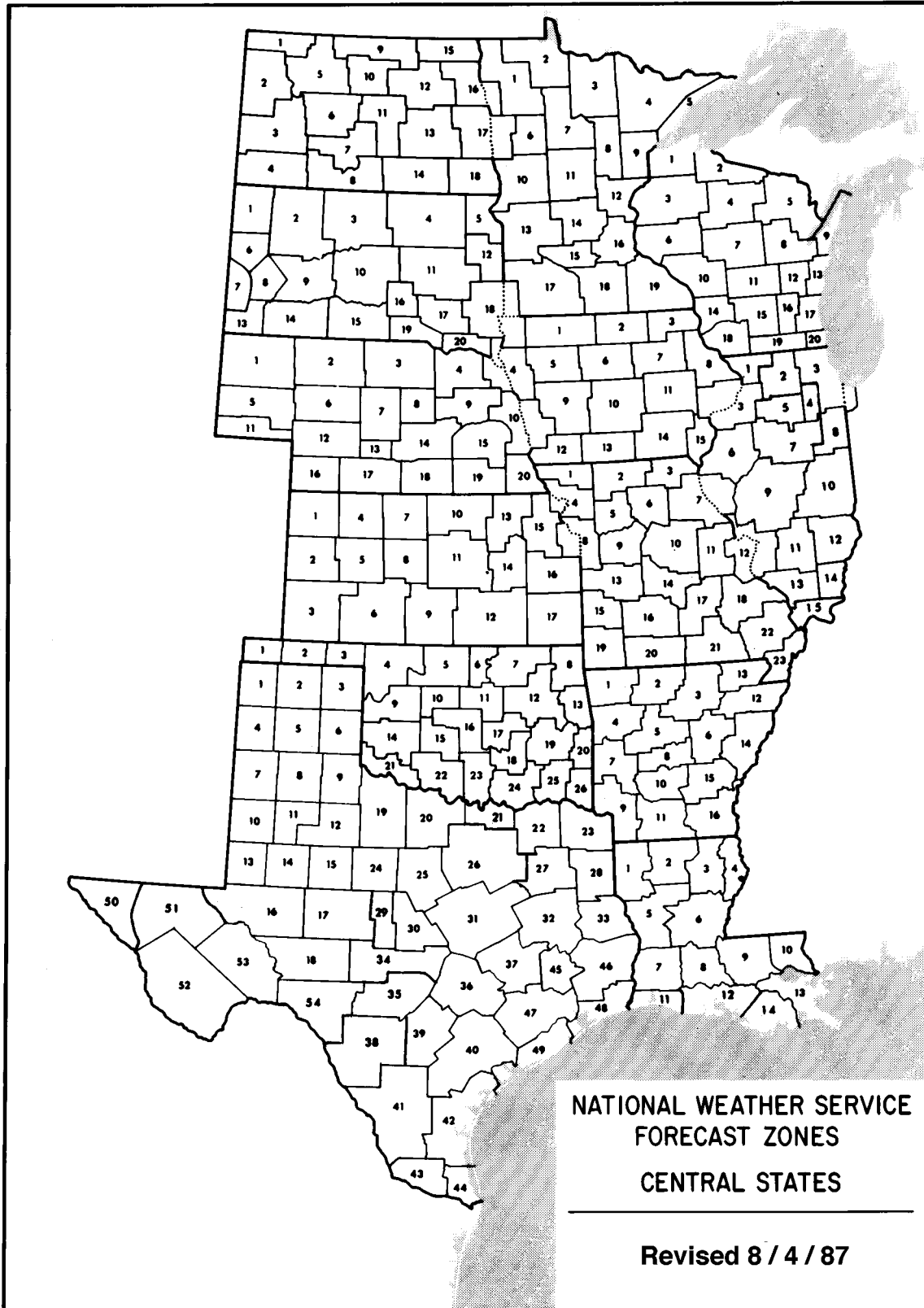
December 1995

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

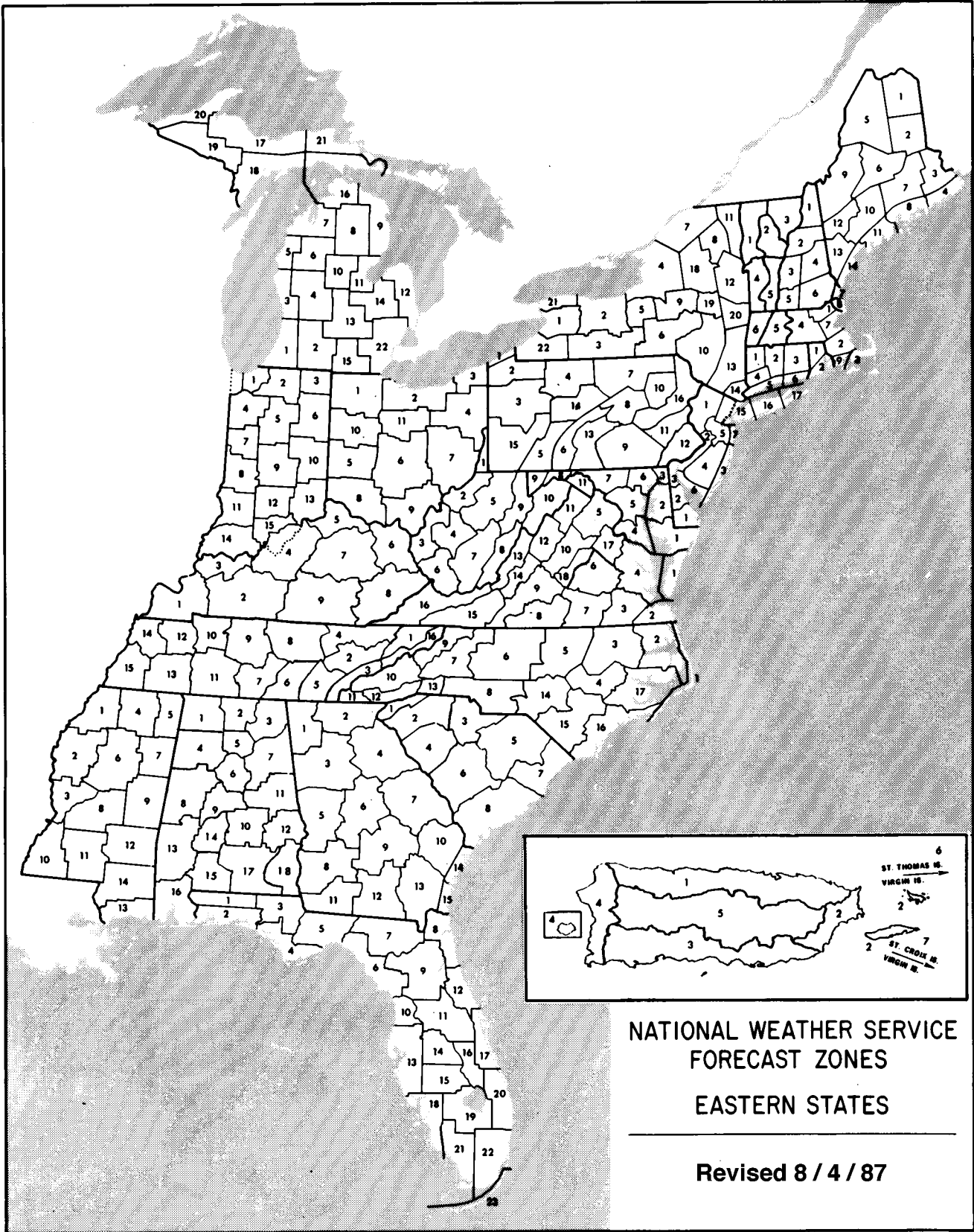
**Additional States follow .....**



NEW FORECAST ZONE MAPS TO BE PUBLISHED SOON



NEW FORECAST ZONE MAPS TO BE PUBLISHED SOON



NEW FORECAST ZONE MAPS TO BE PUBLISHED SOON

*To change your address, please return a copy of the mailing label with your new address to: National Climatic Data Center (Subscription Services).*

*Inquiries/Comments Call: (704) 271-4800 (Voice)  
(704) 271-4010 (TDD)  
(704) 271-4876 (Fax)*

**National Climatic Data Center  
Room 120  
151 Patton Avenue  
Asheville, NC 28801-5001**

**OFFICIAL BUSINESS  
PENALTY FOR PRIVATE USE \$300  
ADDRESS CORRECTION REQUESTED**

<p><b>BULK RATE POSTAGE &amp; FEES PAID</b> United States Department of Commerce NOAA Permit No. G - 19</p>
---

**BOUND PRINTED MATTER**