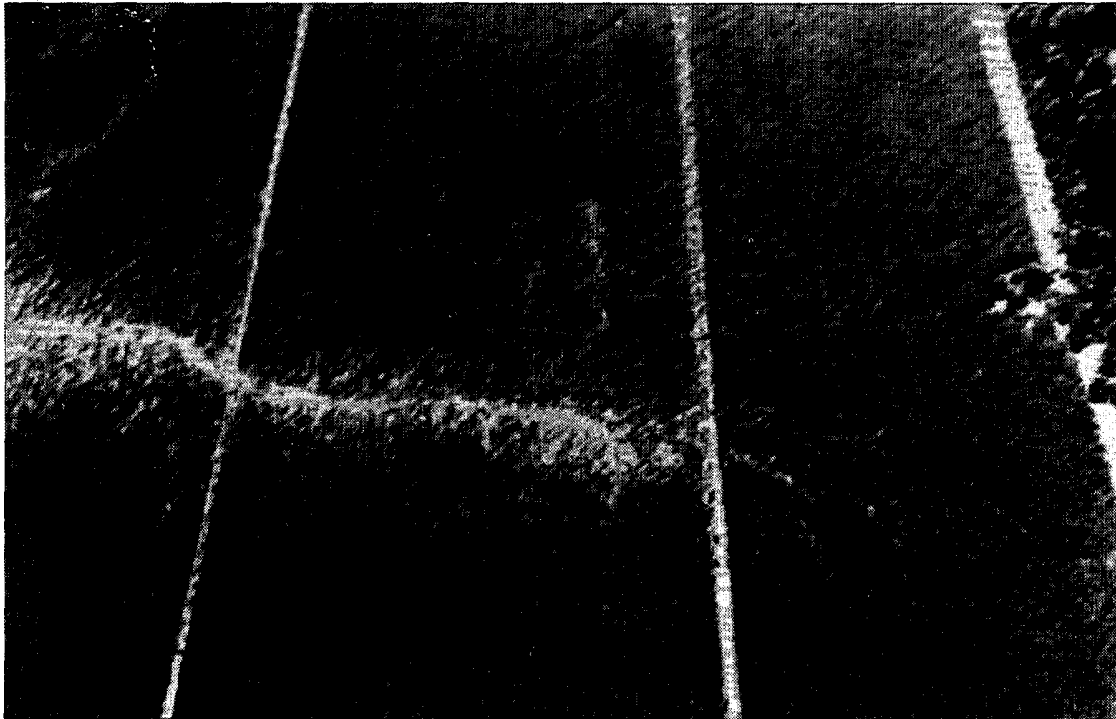


# STORM DATA



"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

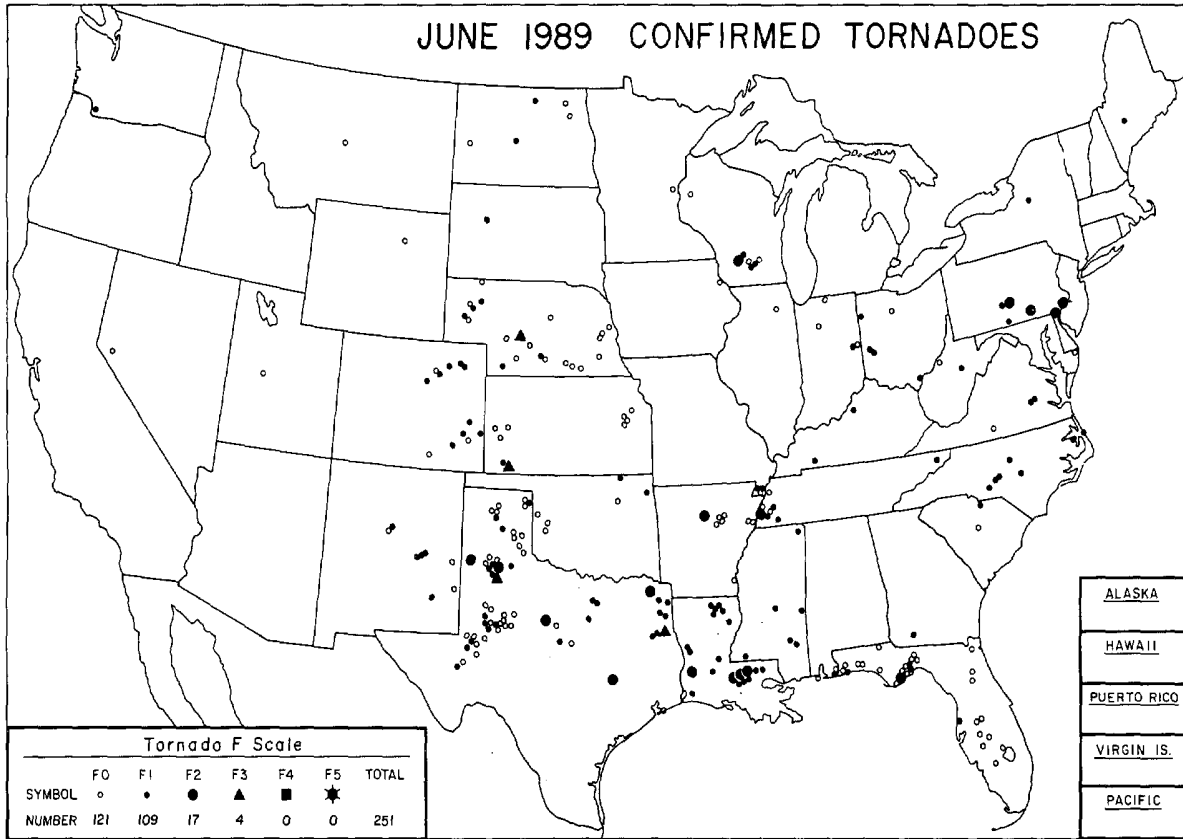
*Kenneth D. Nielsen*

DIRECTOR  
NATIONAL CLIMATIC DATA CENTER

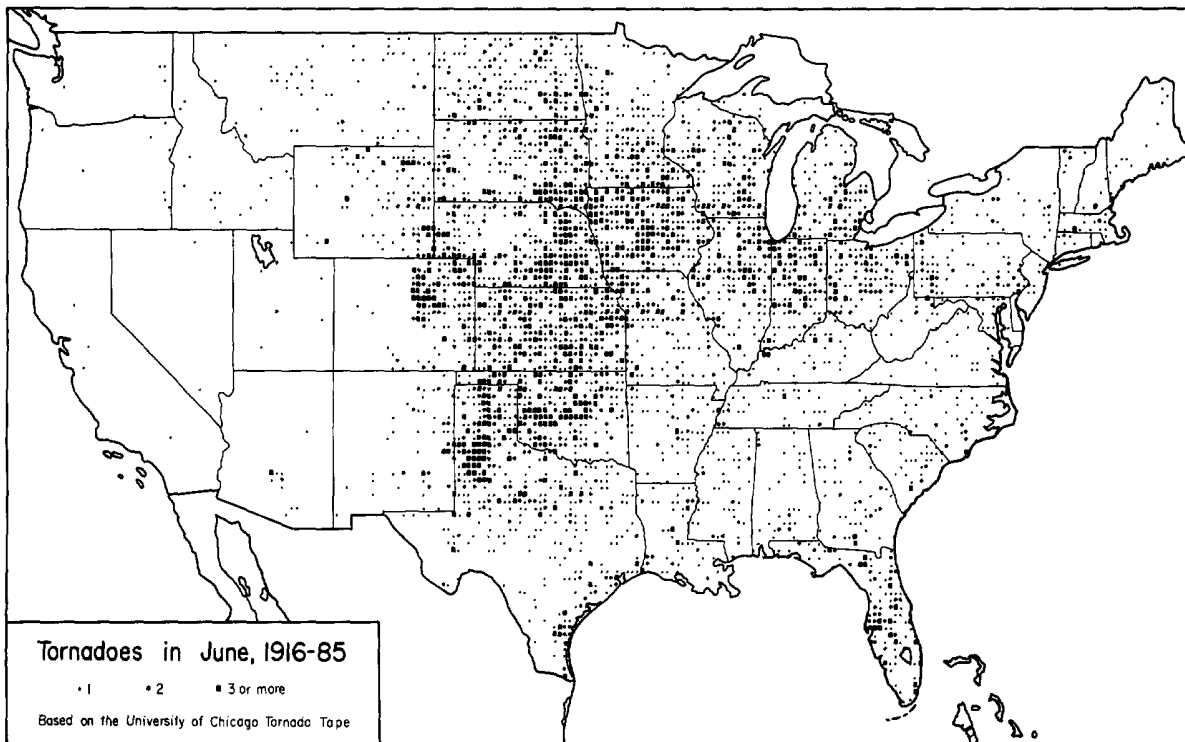
Support for this publication is provided in part by the Office of Naval Research, Marine Meteorology Program, Dr. Robert F. Abbey, Jr., Director. Extensive data collection efforts are provided by the National Weather Service.

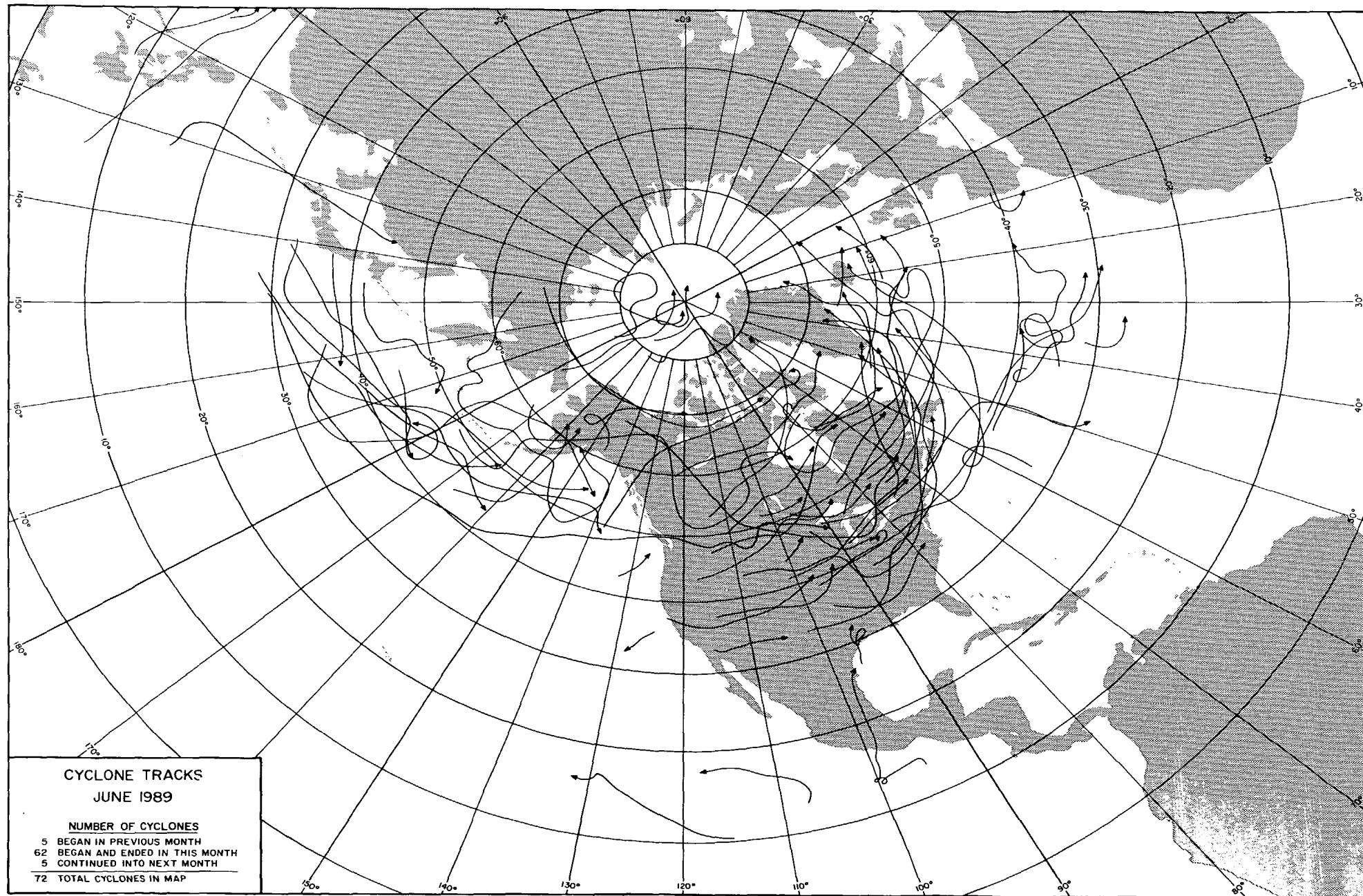


# OUTSTANDING STORMS OF THE MONTH



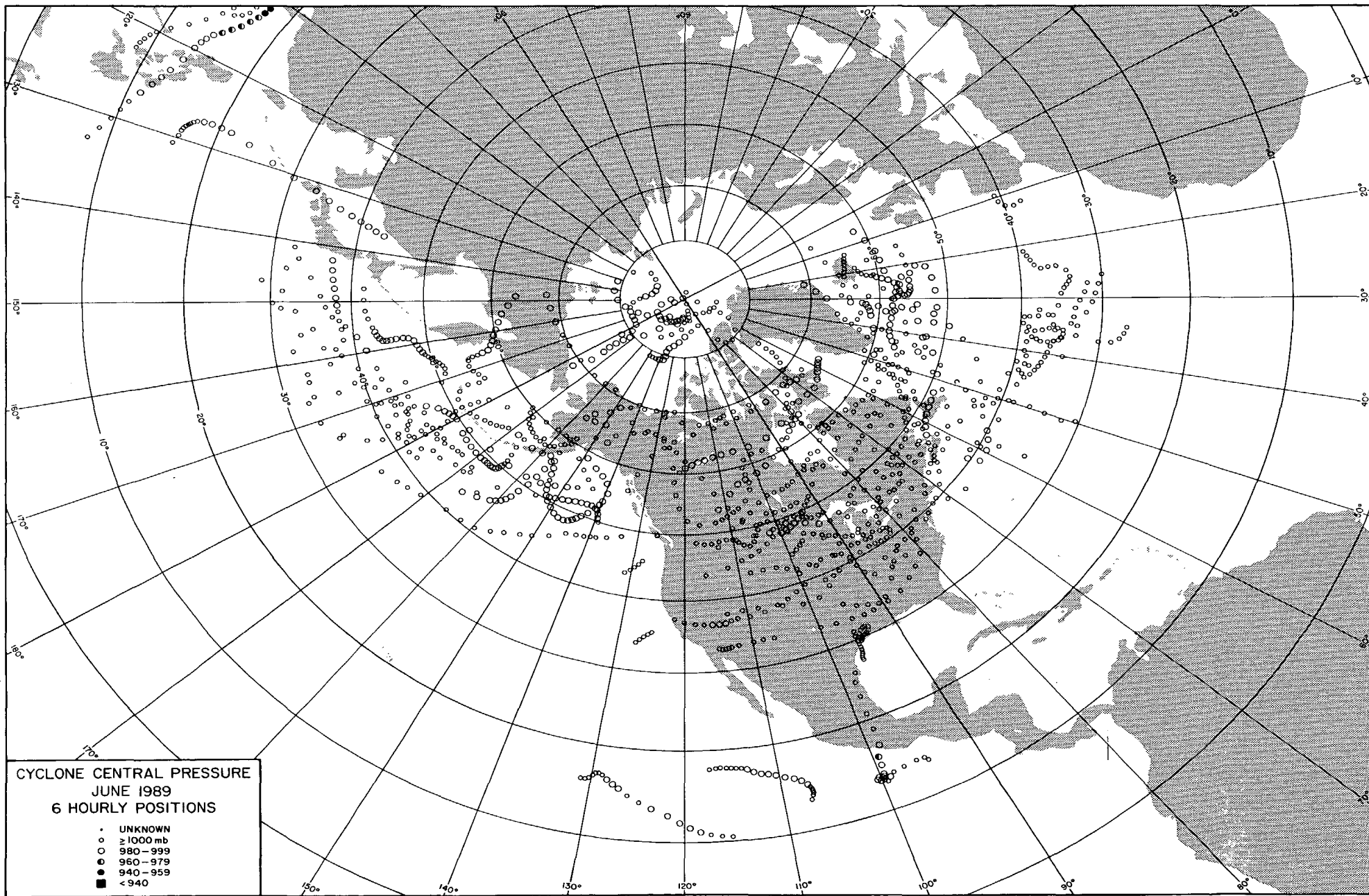
<p>● COMPLETE REPORT RECEIVED</p> <p>◐ PRELIMINARY REPORT RECEIVED</p> <p>○ REPORT NOT RECEIVED</p> <p>(N) northern (W) western</p> <p>(S) southern (C) central</p> <p>(E) eastern (O) coastal</p> <p>(SE) southeastern</p>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td>● 1AL</td><td>● 7DE</td><td>● 14KS</td><td>● 21MN</td><td>● 28NJ</td><td>● 33OH</td><td>● 39SD</td><td>● 44VA</td><td>● 49AK(SE)</td> </tr> <tr> <td>● 2AZ</td><td>● 8EL</td><td>● 15KY</td><td>● 22MS</td><td>● 29NM</td><td>● 34OK</td><td>● 40TN</td><td>● 45WA</td><td>● 50HI</td> </tr> <tr> <td>● 3AR</td><td>● 9GA</td><td>● 16LA</td><td>● 23MO</td><td>● 30NY(O)</td><td>● 35OR</td><td>● 41TX(N)</td><td>● 46WV</td><td>● 51PR</td> </tr> <tr> <td>○ 4CA(N)</td><td>○ 10ID</td><td>○ 17ME</td><td>○ 24MT</td><td>○ 30NY(C)</td><td>○ 36PA(E)</td><td>○ 41TX(S)</td><td>○ 47WI</td><td>○ 52VI</td> </tr> <tr> <td>● 4CA(S)</td><td>● 11IL</td><td>● 18MD</td><td>● 25NE</td><td>● 30NY(W)</td><td>● 36PA(W)</td><td>● 41TX(W)</td><td>● 48WV</td><td>● 53PC</td> </tr> <tr> <td>● 5CO</td><td>● 12IN</td><td>● 19MA</td><td>● 26NV</td><td>● 31NC</td><td>● 37RI</td><td>● 42UT</td><td>○ 49AK(N)</td><td></td> </tr> <tr> <td>● 6CT</td><td>● 13IA</td><td>● 20MI</td><td>● 27NH</td><td>● 32ND</td><td>● 38SC</td><td>● 43VT</td><td>● 49AK(S)</td><td></td> </tr> </table>	● 1AL	● 7DE	● 14KS	● 21MN	● 28NJ	● 33OH	● 39SD	● 44VA	● 49AK(SE)	● 2AZ	● 8EL	● 15KY	● 22MS	● 29NM	● 34OK	● 40TN	● 45WA	● 50HI	● 3AR	● 9GA	● 16LA	● 23MO	● 30NY(O)	● 35OR	● 41TX(N)	● 46WV	● 51PR	○ 4CA(N)	○ 10ID	○ 17ME	○ 24MT	○ 30NY(C)	○ 36PA(E)	○ 41TX(S)	○ 47WI	○ 52VI	● 4CA(S)	● 11IL	● 18MD	● 25NE	● 30NY(W)	● 36PA(W)	● 41TX(W)	● 48WV	● 53PC	● 5CO	● 12IN	● 19MA	● 26NV	● 31NC	● 37RI	● 42UT	○ 49AK(N)		● 6CT	● 13IA	● 20MI	● 27NH	● 32ND	● 38SC	● 43VT	● 49AK(S)	
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Mapped at the University of Chicago from NMC, cyclone track data





**CYCLONE CENTRAL PRESSURE  
JUNE 1989  
6 HOURLY POSITIONS**

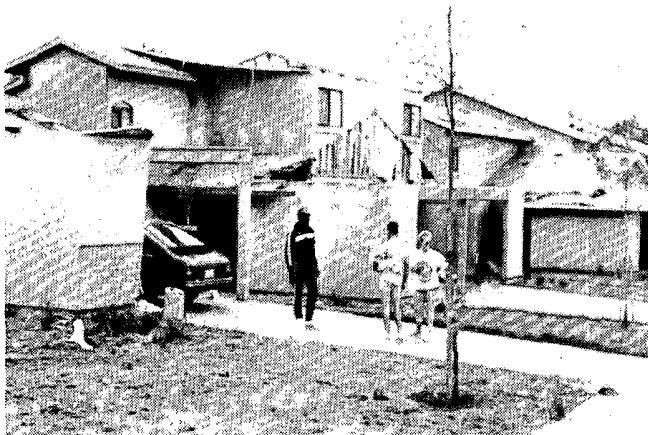
- UNKNOWN
- ≥ 1000 mb
- ◐ 980 - 999
- ◑ 960 - 979
- ◒ 940 - 959
- ◓ < 940

# 1. THUNDERSTORM WINDS and TORNADOES in SOUTHWEST LOUISIANA on June 7, 1989

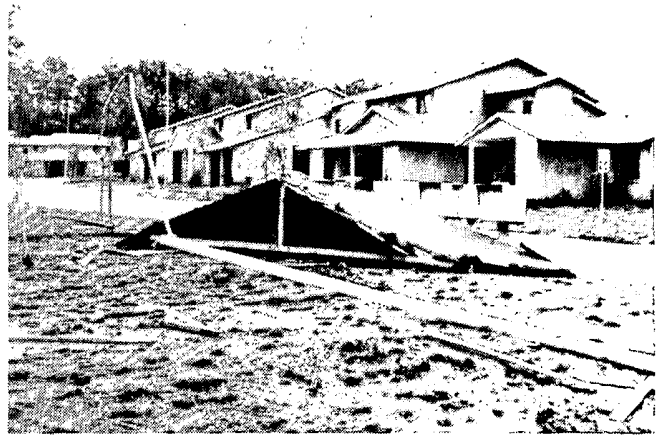
On the evening of June 7th and early morning of the 8th, strong thunderstorms swept rapidly eastward across southern Louisiana, producing damaging thunderstorm winds and 4 tornadoes en route. The worst of the damage occurred in southwest Louisiana. At Fort Polk in Vernon Parish, thunderstorm winds in excess of 70 mph overturned or otherwise damaged 30 military helicopters, and also damaged several hangars and 4 housing units on the base. The damage was estimated at over \$9 million. At near the same time, 2130CST, the strongest of the four tornadoes, an F2, touched down 5 miles north of Longville in Beauregard Parish. Twelve homes were heavily damaged or destroyed and six persons suffered injuries in the heavily forested area, as the tornado snapped many trees off at approximately 25 feet above the ground along a 5 mile path.



*Intertwined and toppled helicopters at Fort Polk.*



*Damage to housing units on the base at Fort Polk.*



---All four above photos are courtesy of Margaret Brewster, Public Affairs Office, 5th Infantry Division, Fort Polk, Louisiana.



*Trees snapped off by the tornado north of Longville in Beauregard Parish. ---Photo by Ben Darby, Beauregard Daily News, De Ridder, Louisiana.*



*Two views of a damage scene where a pickup truck and a car were blown into a building by the tornado north of Longville.*



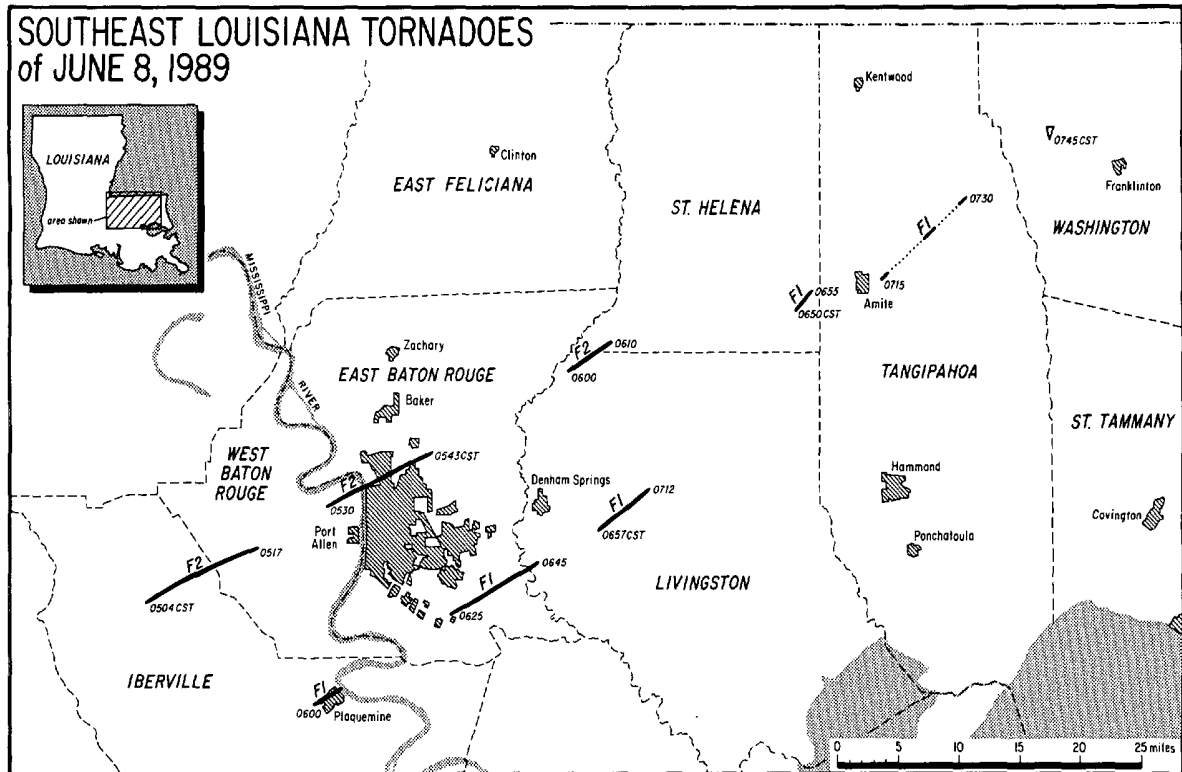


*A crumpled truck (top) and destroyed mobile home (bottom), two additional victims of the F2 tornado north of Longville.*

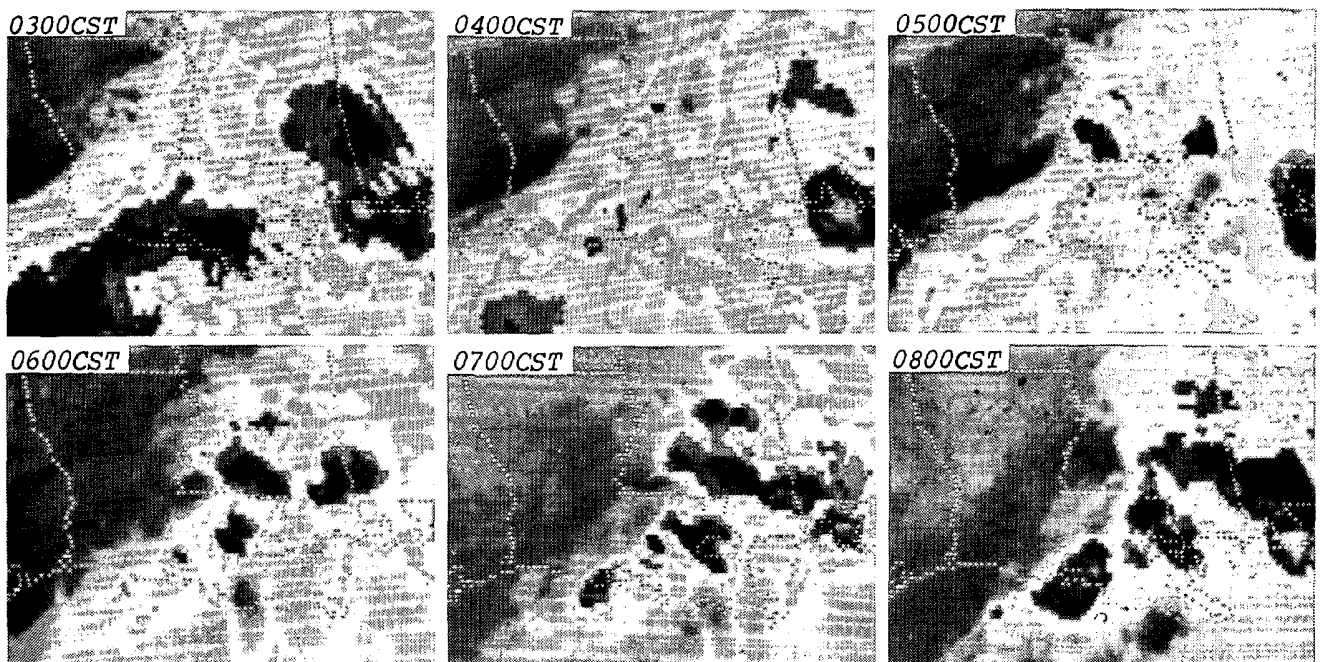
*---All photos on pages 7 and 8 are by Ben Darby, Beauregard Daily News, De Ridder, Louisiana. All photos on pages 6 through 8 were provided through Frank Revitte, NWSFO at Slidell, Louisiana.*

## 2. TORNADOES in SOUTHEAST LOUISIANA on June 8, 1989

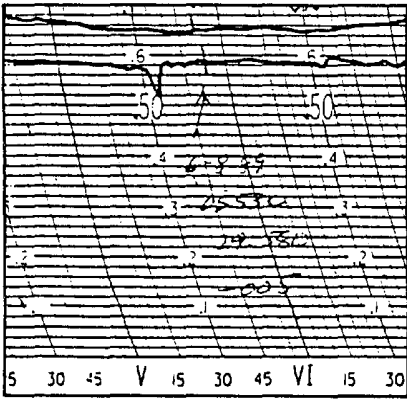
Eight tornadoes were spawned in southeast Louisiana during the dawning hours of June 8th as a line of severe thunderstorms formed in the south-central part of the state and moved east. Of the 8 tornadoes, 3 were F2 in maximum intensity and 5 were F1. The first three tornadoes of the outbreak were also the strongest (F2), and were all produced by the same cell as it moved from just west of Grosse Tete in Iberville Parish to southwest Helena Parish, passing through the northern portion of Baton Rouge. The first tornado struck the small town of Grosse Tete, which is where the only two deaths associated with the outbreak occurred. The town had 32 structures destroyed and 47 damaged, resulting in \$1.3 million in losses. Thirty people were injured. The second tornado moved through northern Baton Rouge and passed through the airport grounds where the National Weather Service Office is located. The tornado damaged 60 houses and 35 mobile homes, and also caused about 60 injuries, mostly minor. The third F2 tornado touched down in a wooded and sparsely populated area about 20 miles northeast of downtown Baton Rouge. The other 5 tornadoes, all F1, were spawned by other cells in the thunderstorm line (see Louisiana Storm Data report for details).



Paths of the 8 tornadoes in southeast Louisiana on June 8, 1989, with maximum F scale and times indicated. ---Graphic by the University of Chicago from mapping and information supplied by the NWSFO at Slidell, Louisiana.

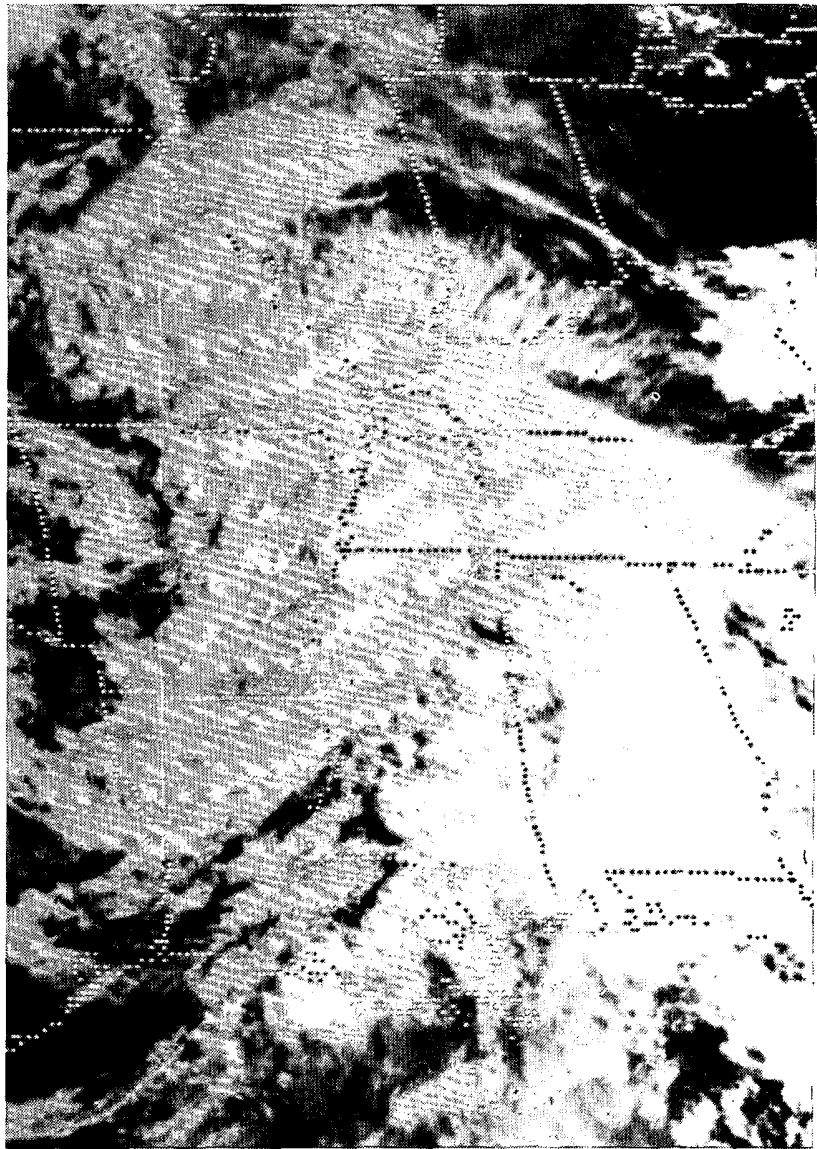


Hourly, GOES 7 satellite, infrared images show the storm line which spawned the eight tornadoes as it passed through the southeast portion of Louisiana. ---Photos from NESDIS, Washington, DC.

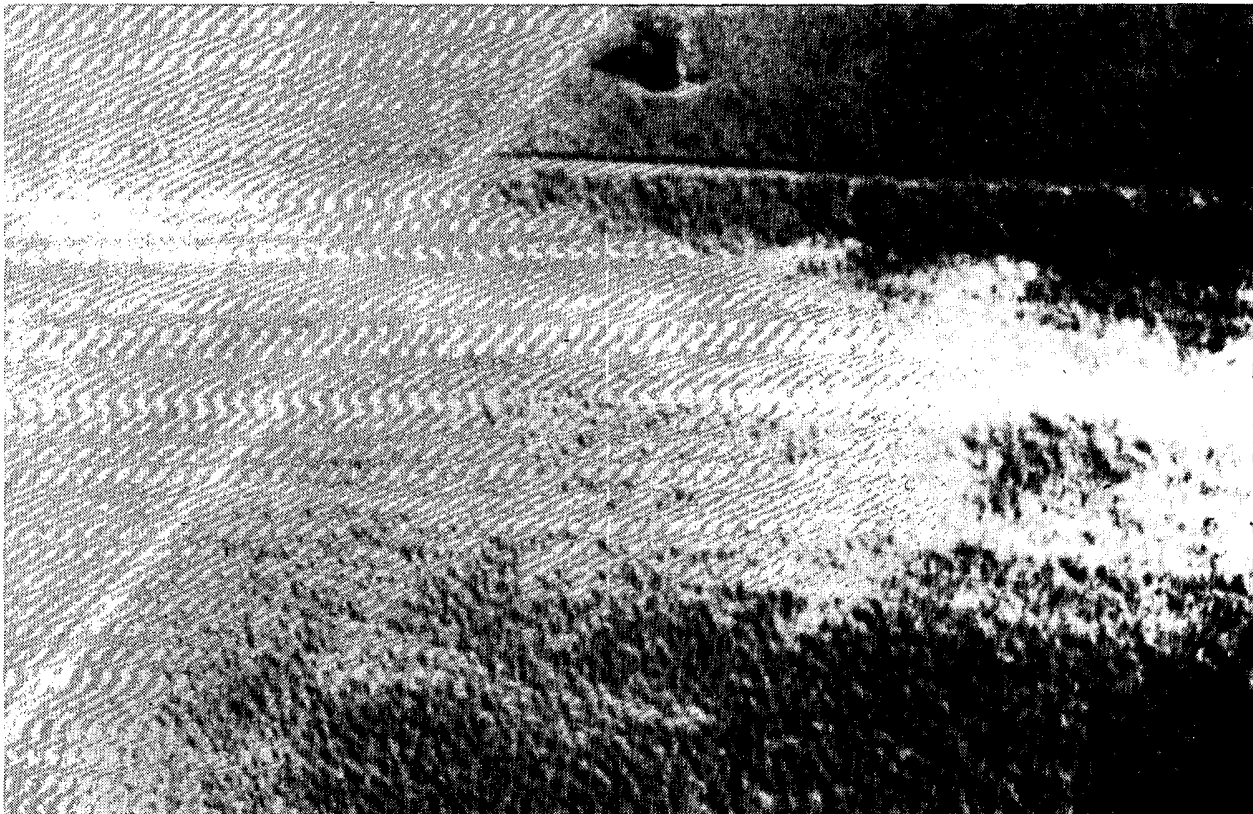


A portion of the barograph trace recorded at the National Weather Service Office at the airport in Baton Rouge shows a .06 inch, short-term pressure drop at 0535 EST on June 8th, the time at which the Baton Rouge tornado passed through the airport grounds. ---Trace from the NWSO at Baton Rouge and supplied through the NWSFO at Slidell, Louisiana.

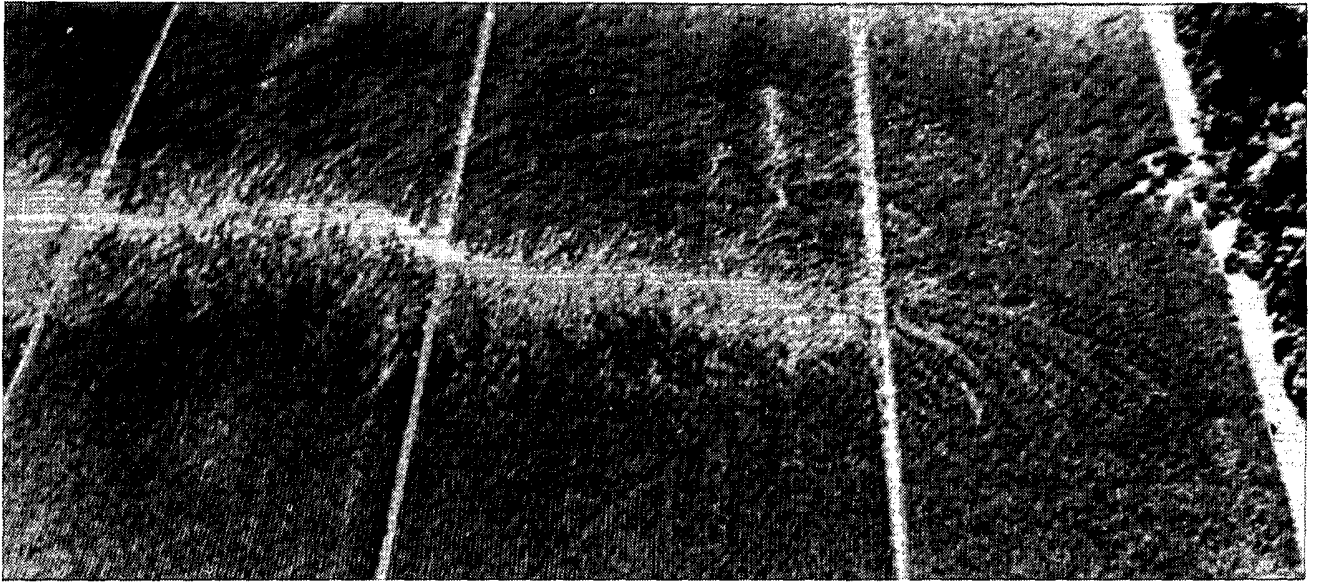
RIGHT: The tall cells of the storm line in Louisiana and Mississippi cast shadows to their west in the early morning light of this GOES 7 satellite, visible image taken at 0730 CST on June 8th. In whole, the image shows the large-scale cloud pattern of the cyclone responsible for the tornado-producing line. ---Photo from NESDIS, Washington, DC.



BELOW: A trail of flattened wheat which was left in a field west of Grosse Tete in the wake of the Grosse Tete tornado. ---Photo by John Mosley, NWSO at Baton Rouge, Louisiana.







A spiralling pattern of felled wheat that was also traced out in a field west of Grosse Tete by the Grosse Tete tornado.



A destroyed home in Grosse Tete. ---Both above photos are by Kenneth Barrick.

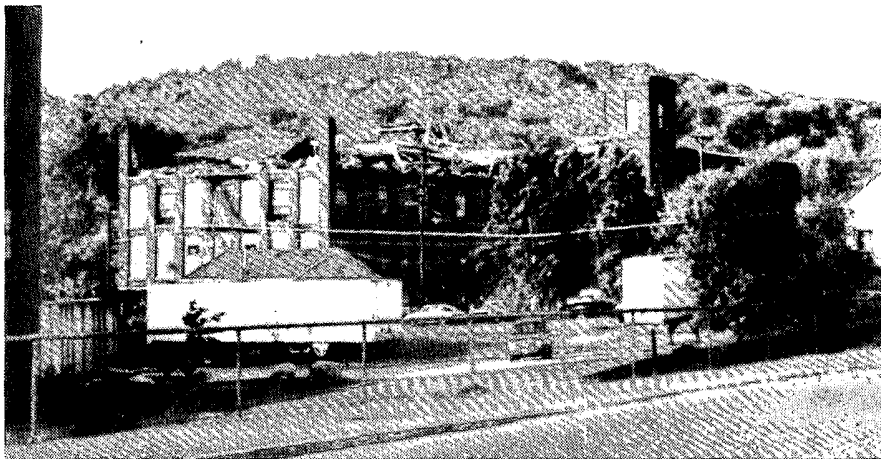


A mobile home northeast of Montpelier that was destroyed by one of the F1 tornadoes, this one having occurred just west of Amite in southeast St. Helena Parish. ---Photo by Frank Revitte, NWSFO at Slidell, Louisiana.

---All damage photos on pages 10 and 11 are provided through the NWSFO at Slidell, Louisiana.

### 3. MICROBURST at FITCHBURG, MASSACHUSETTS on June 2, 1989

On the afternoon of June 2nd, a line of thunderstorms bearing damaging winds moved eastward across Massachusetts, one cell in the line producing a powerful microburst with winds estimated at at least 120 mph at Fitchburg in northern Worcester County. The microburst created a path of severe damage at least a mile long from west to east through the city. Many buildings incurred damage, including a 10-story, elderly housing building and a manufacturing plant where the roof was partly blown off and partly collapsed into the fourth floor. Two church steeples were toppled; one fell onto a car, killing the driver. Many trees were downed in the city and electric power to 15,000 customers was lost. Total damage due to the localized wind event was estimated at 3 to 5 million dollars.



*The building of the Sanitoy Manufacturing Company which had its roof collapse into the 4th floor as a result of the microburst winds. Of 140 employees, 100 were released two and one-half hours prior to the microburst's occurrence to attend a baseball game in Boston, so there was nobody on the third or fourth floors at the time of the microburst.*

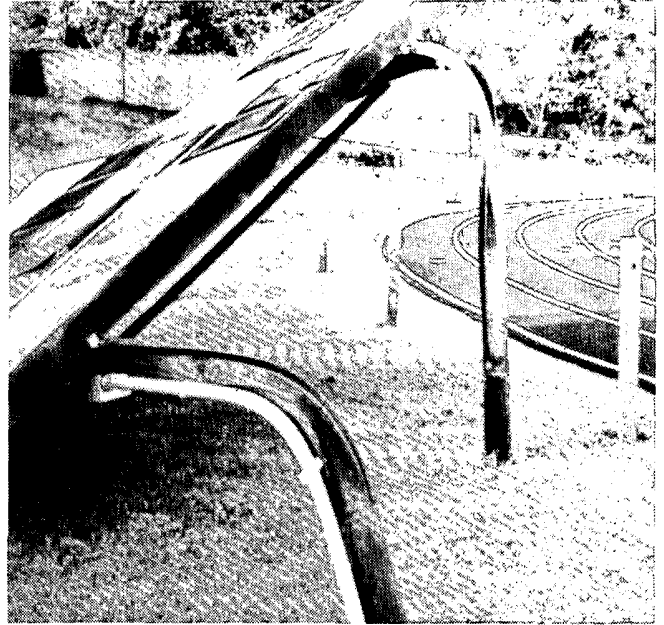
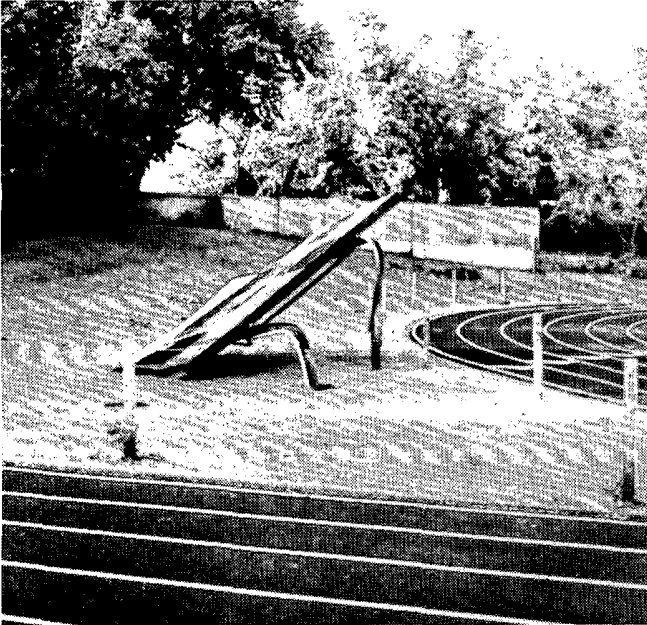


*Another heavily damaged structure was this 10-story building near the end of the damage path. The building is the home of Sundial, housing for the elderly.*

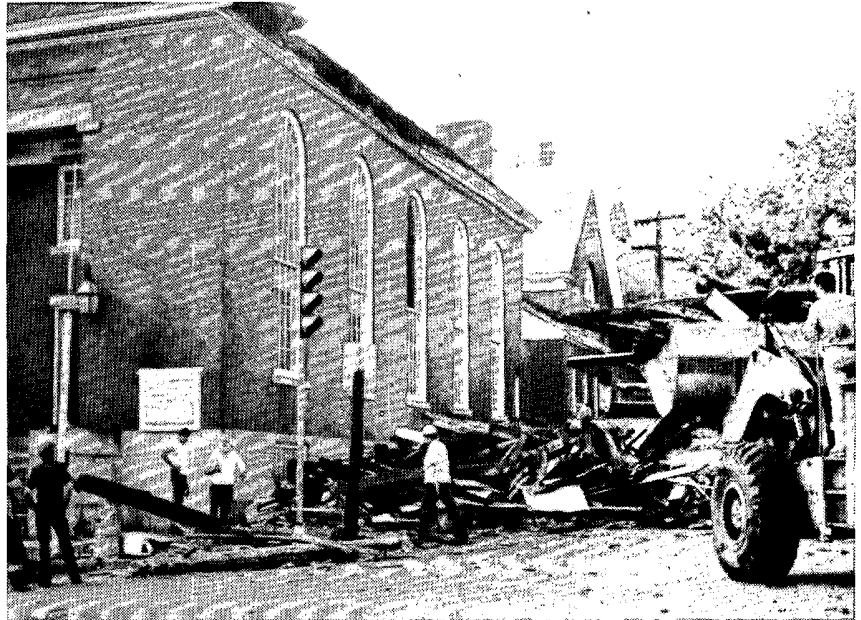
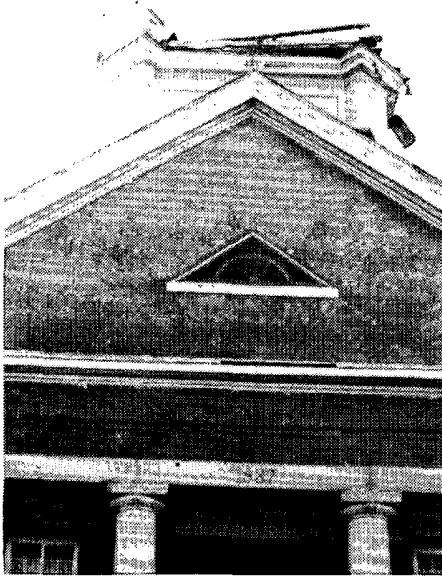


*Two views of trees downed at Crocker Athletic Field. All of the trees were uprooted and tipped over toward the east. The scoreboard was also bent over.*





Additional views of the scoreboard at Crocker Athletic Field show how the 6 inch steel, supporting I-beams were twisted over by the force of the winds being applied to the large surface area of the scoreboard.



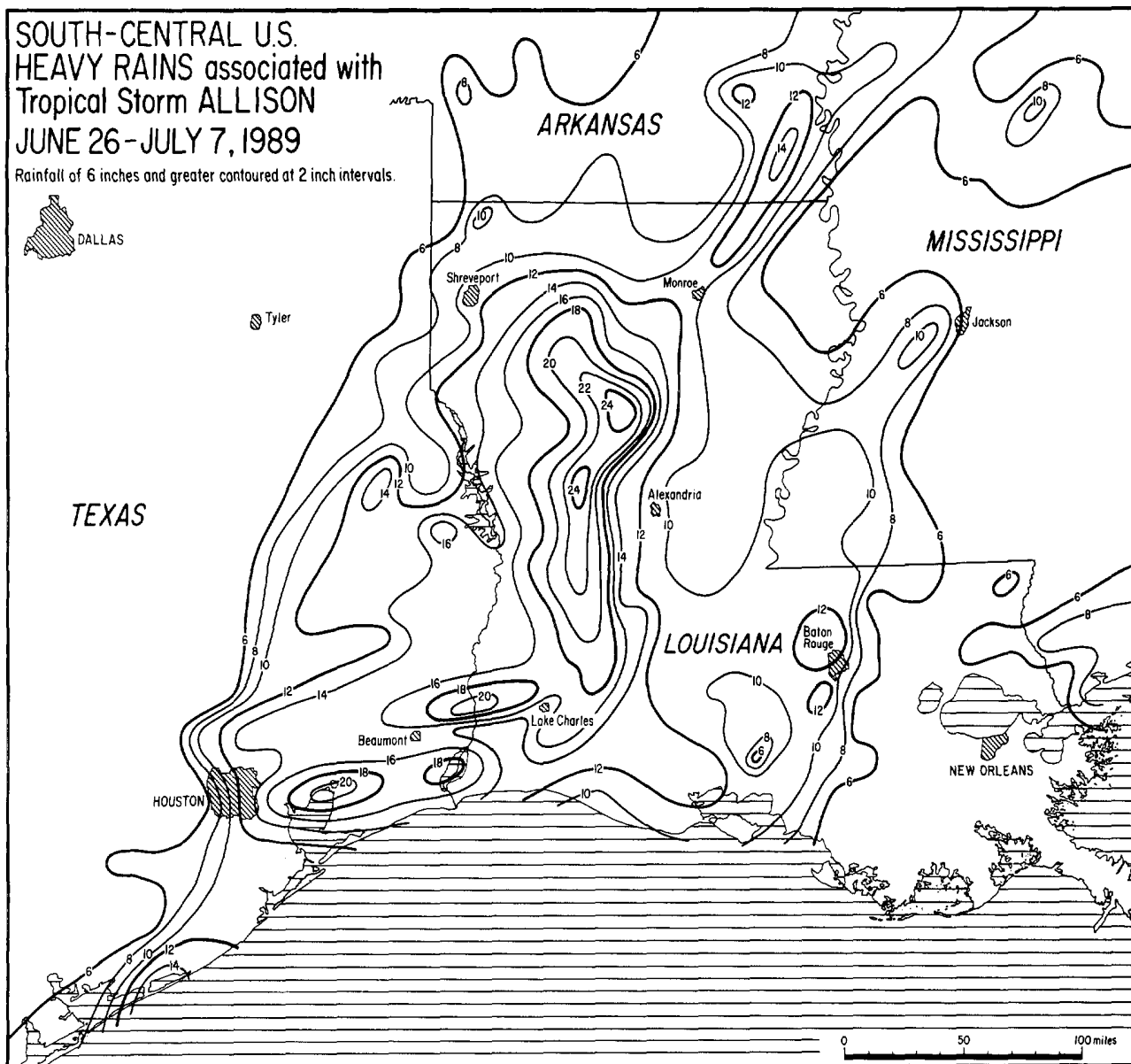
In three photos above and at right is damage caused to the First Parish Unitarian Church, built in 1837. The church suffered the loss of its steeple which was blown onto a car in the street below, causing the death of the car's driver. The car had been removed from the scene shortly before these photos were taken.

---All photos on pages 12 and 13 are by Thomas J. Holmes, NWSO at Worcester, Massachusetts.

#### 4. HEAVY RAINS and FLOODING in the SOUTH-CENTRAL U.S., associated with TROPICAL STORM ALLISON, June 26 - July 7, 1989

During late June and early July, southeast Texas and most of Louisiana experienced one of the wettest periods of record for the region as Tropical Storm ALLISON made a looping path through the area over a 12 day period. Even though ALLISON never became a hurricane, it was still quite destructive due to the flooding and flash flooding that resulted from its torrential rains.

The storm formed from the remnants of a Pacific hurricane, COSME, which moved northward across Mexico and dissipated on June 23rd near the southern tip of Texas (see map on page 21). By 0000 UTC of the 25th, ALLISON's circulation began to form over the Gulf of Mexico just east of that location. ALLISON moved north and made landfall on the upper Texas coast on the 26th, after which it made a small, very slow - about 4 day - loop over southeast Texas. The bulk of the heavy rains in southeast Texas came in the first two days, the 26th and 27th. Overall, rain of a foot or more in amount fell over the area southeast of a line from Houston to the Toledo Bend Reservoir. Likewise, almost the entire western third of Louisiana had over a foot of rain, some locations more than two feet. Although not a Cooperative Observer report, the highest known amount was 29.52 inches in a 6 day period at Winnfield, Louisiana. The flooding and flash flooding that resulted from the rains accounted for almost all of the damage done by ALLISON. There were estimates of from 200 to 400 million dollars in damage for Texas, at least 100 million for Louisiana, and 60 million for Mississippi; the storm total coming to about one-half billion dollars in damage. There were also 10 deaths, all due to drowning. Three were in Texas, 2 in Louisiana and 5 in Mississippi.



Analysis of storm total rainfall of 6 inches and greater in the South-Central U.S. for the 12-day period of June 26 - July 7, 1989. Rainfall amounts for June 25th were included in the analysis for only the extreme southwest portion of the map. ---Mapped by the University of Chicago from Cooperative Observer data supplied by the National Climatic Data Center, Asheville, North Carolina.

LOCATION	STRONGEST SUSTD WINDS (KT)		PEAK GUST (KT)		MIN PRESS (MB)		RAINFALL (IN)		STORM SURGE (FT)	
	DATE/TIME (UTC)		DATE/TIME (UTC)		DATE/TIME (UTC)		24HR TOTAL	TOTAL (IN)	LOCATION & DATE/TIME (UTC)	
<u>Texas</u>										
Corpus Christi (WSO)	020/20	25/1950	27	25/0201	1005.8	26/2150 /2350	0.89	0000/25 0000/26	1.40	2.3 North Padre Is. 24/2300
Palacios (WSO)	240/14	26/1754			1002.9	26/1953				
Galveston (GLS)	120/45	26/1238	49	26/1536	1003.3	27/0030	4.15	26th	7.89	2.7 Flagship pier 26/1530
Houston Hobby (HOU)	090/25	26/1643	39	26/1630	1001.5	26/2350	7.24	26th	11.89	
Houston Intercontinental (IAH)	090/34	27/0052	46	27/0052	999.9	27/0042	10.34	0600/26 0600/27		
Alvin (WSO)	090/18	26/1457	32	26/1457			1.90	1200/26 1200/27	6.58	
Houston Downtown							7.65	26th	10.78	
Port Arthur/Beaumont (WSO)	—/26	27/0653 /0855	40	27/0641	1003.3	27/0653	6.92	1300/26 1300/27		2.8 Sabine Pass 27/1449
<u>LOUISIANA</u>										
Lake Charles (WSO)	180/37	27/1250	48	27/0727	1004.1	27/0752	6.92	27th	14.95	
SHREVEPORT (WSO)	NE /20	27/—	34	30/—	1007.4	27/2151	3.70	27th	9.20	
Baton Rouge (WSO)							4.90	28th	10.33	
<u>KENTUCKY</u>										
Louisville (WSFO)							3.70	1200/01 1200/02	4.75	

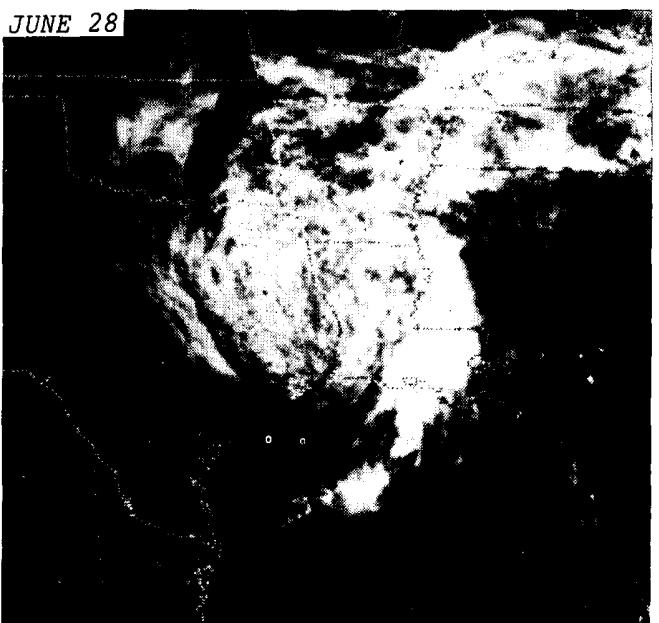
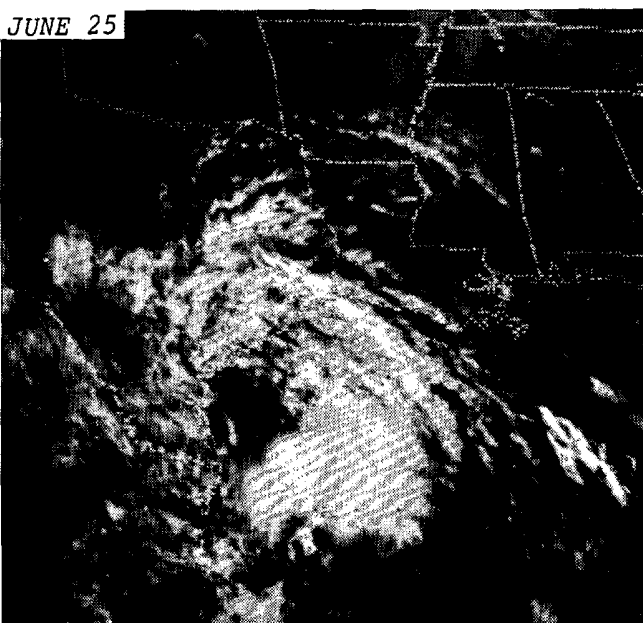
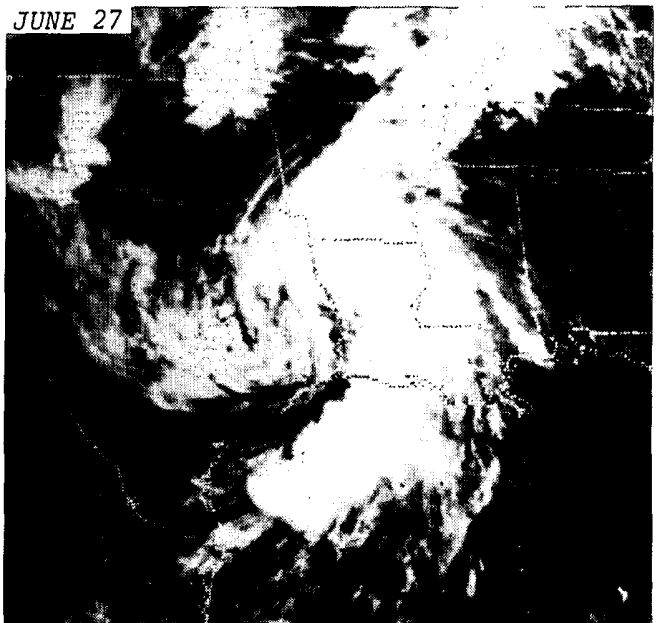
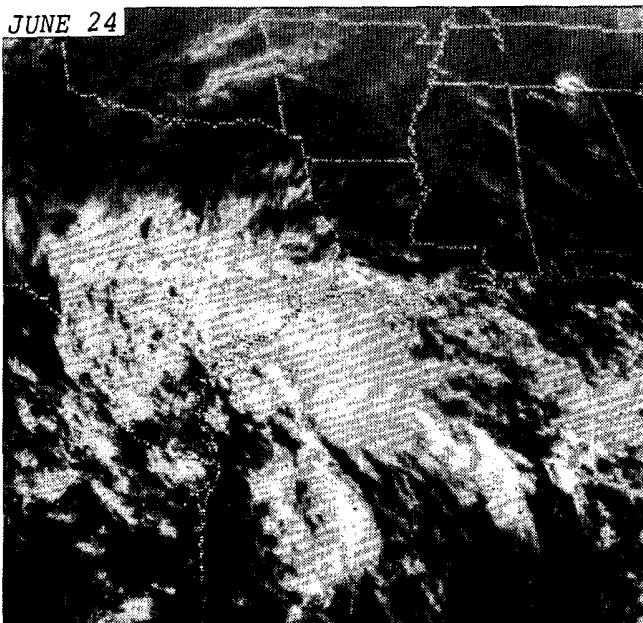
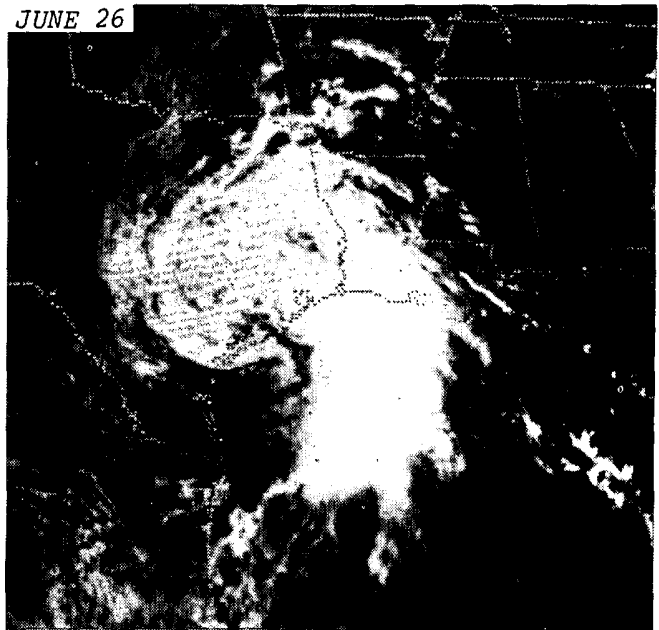
LOCATION	AMOUNT	DATES (UTC)
Winnfield, LA	29.52	26 June - 01 July
Gorum Fire Tower, LA (Natchitoches Parish)	19.17	26 June - 01 July
Harris County, TX	18.3	22/0000 - 30/0400
Memphis Agriculture Cntr. Memphis, TN	4.13	30/1300 - 03/1300
Dyersburg, TN	3.59	30/1300 - 03/1300
Grand Junction, TN	4.71	30/1300 - 03/1300
Covington, TN	2.61	30/1300 - 03/1300
Milan, TN	3.74	30/1300 - 03/1300
Paris, TN	3.55	30/1300 - 03/1300
Collierville, TN	5.25	01/0600 - 04/0600
Nashville, TN	1.14	01/0600 - 04/0600
Crossville, TN	3.64	01/0600 - 05/0600
Elkton, KY	4.75	01/1300 - 03/1300
Fort Campbell, KY	4.01	01/1300 - 04/1300
Franklin, KY	6.57	01/1300 - 04/1300

ABOVE: Selected meteorological and hydrological statistics for Tropical Storm ALLISON on June 24-27, 1989, and total rainfalls including rainfall associated with the remnants of ALLISON.

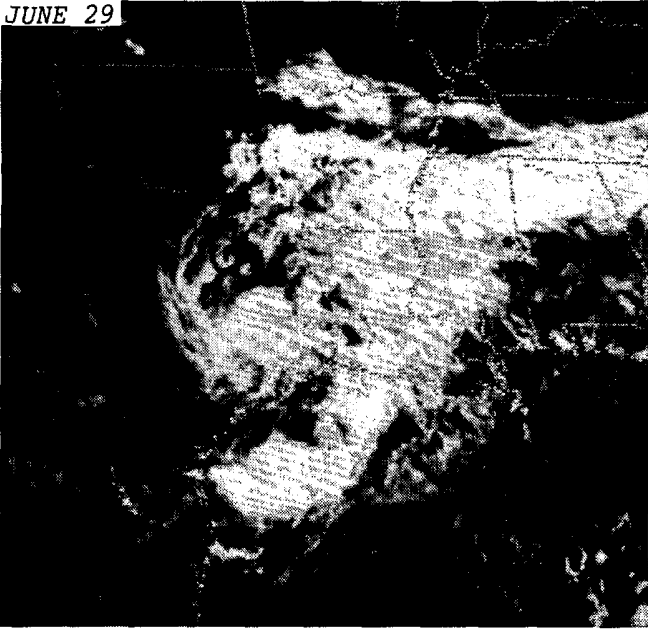
LEFT: Supplementary storm-total rainfall data (in inches) from Tropical Storm ALLISON and its remnants.

---Both tables from the National Hurricane Center, Miami, Florida.

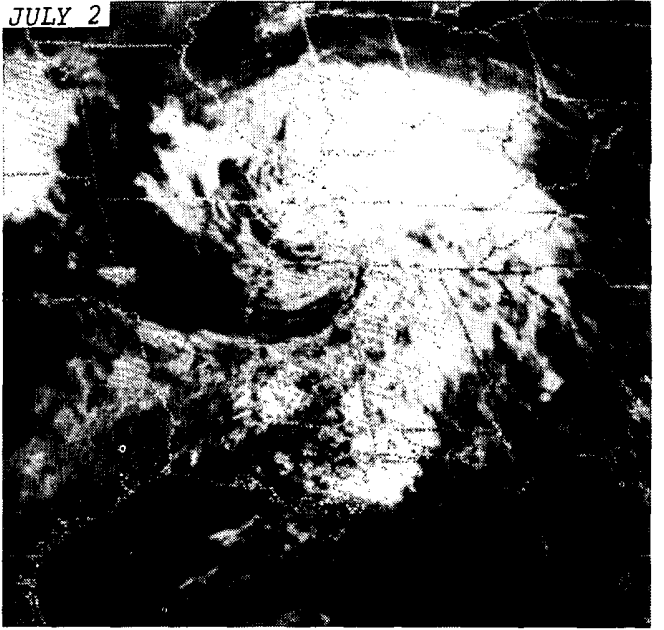
On pages 16 and 17, a sequence of GOES 7 satellite, visible images taken daily during the early morning daylight hours from June 24th to July 4th shows how ALLISON's spiralling cloud bands with their heavy rains, lingered over the South-Central U.S. during the period. All of the images were taken at 0830 CST, with the exception of June 26th which was 0930 CST. ---Photos from the National Environmental Satellite Data and Information Service, Washington, DC.



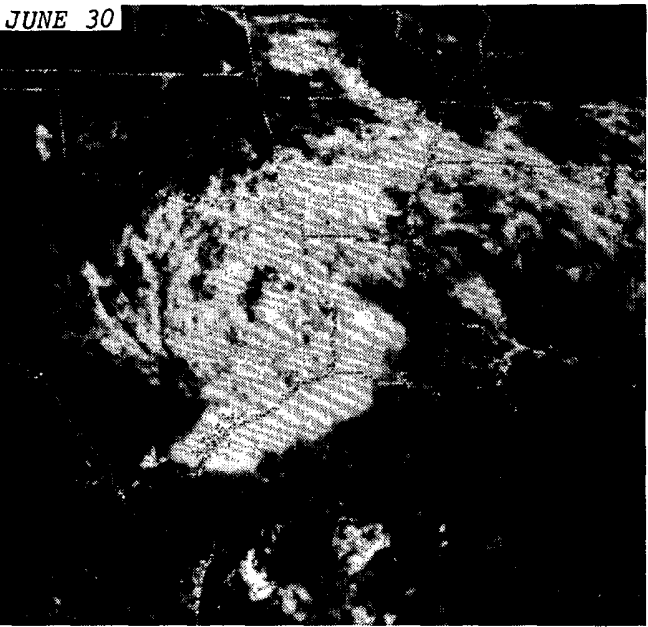
JUNE 29



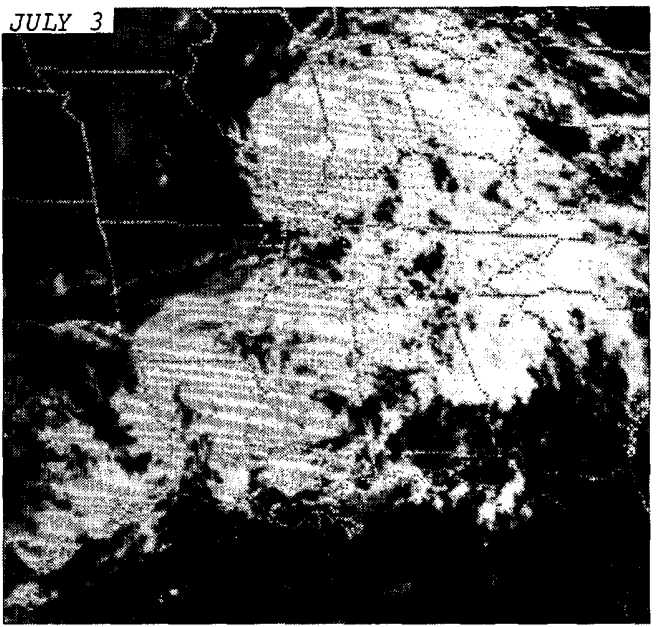
JULY 2



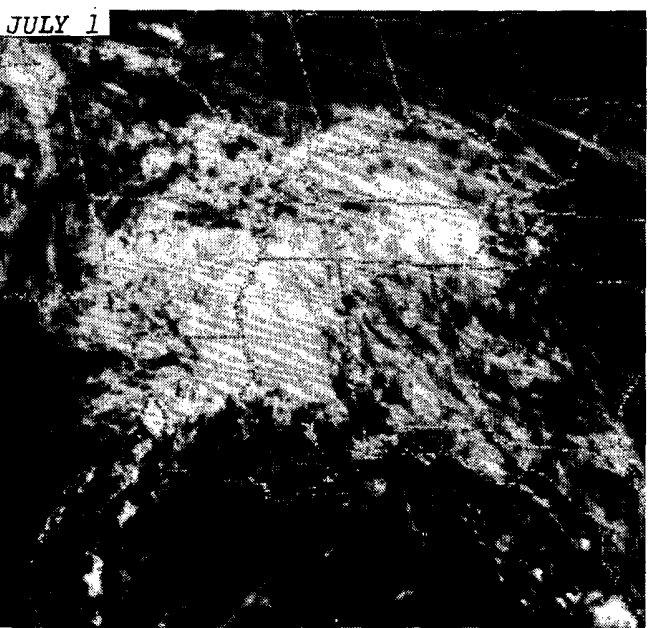
JUNE 30



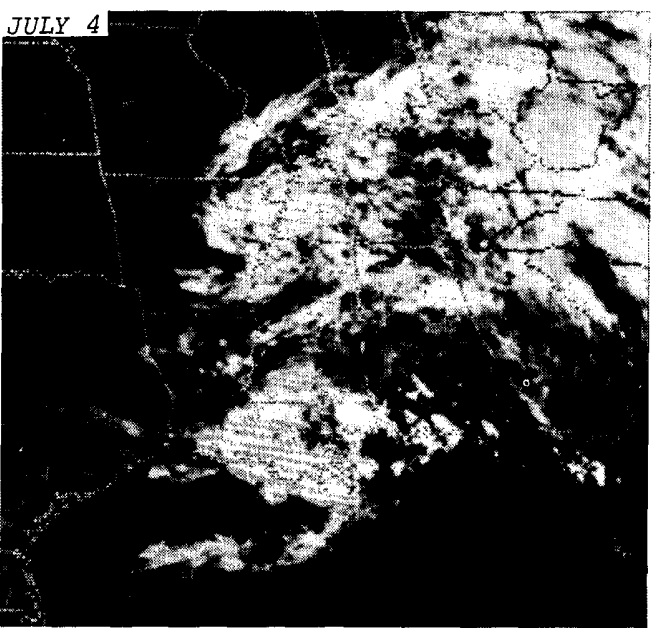
JULY 3



JULY 1



JULY 4





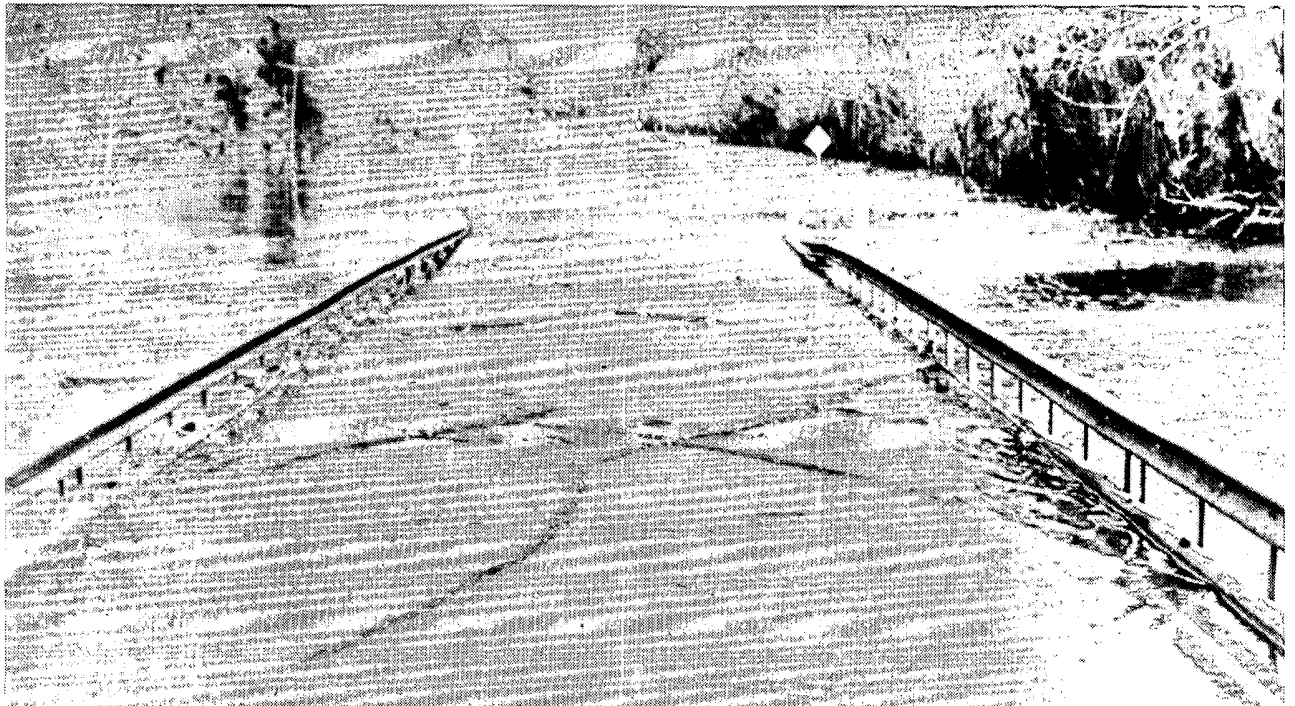
All of the following photos on pages 18 and 19 were taken in the Winnfield, Louisiana area during the flooding that resulted from ALLISON's rains. Well over two feet of rain fell throughout the Winnfield area, and the town also registered the highest known rainfall amount for the storm, 29.52 inches. ---All of the photos are by Raymond Carpenter and Jane Rohr, The Winn Parish Enterprise, Winnfield, Louisiana.



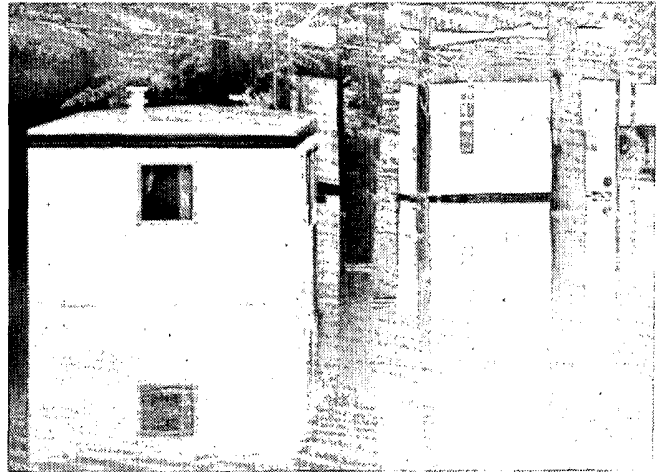
Fifty-five seems an unlikely speed to travel as fast-flowing floodwater streams over a county road and down the opposite embankment.



An angler tests his skill from his own driveway, as for once the bayou came to him instead of the other way around.



A driver's-eye view that was common around Winnfield and which often raised the question of whether or not to continue.



Flooded bayou waters submerge a pickup truck, leaving only the top of the cab exposed (left), and envelop a number of mobile homes (right).



For much of the area, going by boat became the only means of travel for a time as numerous vehicles such as the truck at left became stalled in high water.

## STORM SHORTS . . .



*An impressive shelf cloud approaches Arcadia, Florida during the late afternoon of June 23rd. The parent thunderstorm was moving north at about 15 mph and brought with it winds in excess of 45 mph and torrential rains.*



*One of several funnel clouds that formed over the southern Florida Keys on the mid to late morning of June 26th, this particular funnel was spawned by a small, isolated thunderstorm that also produced brief heavy rains and some lightning and thunder.*

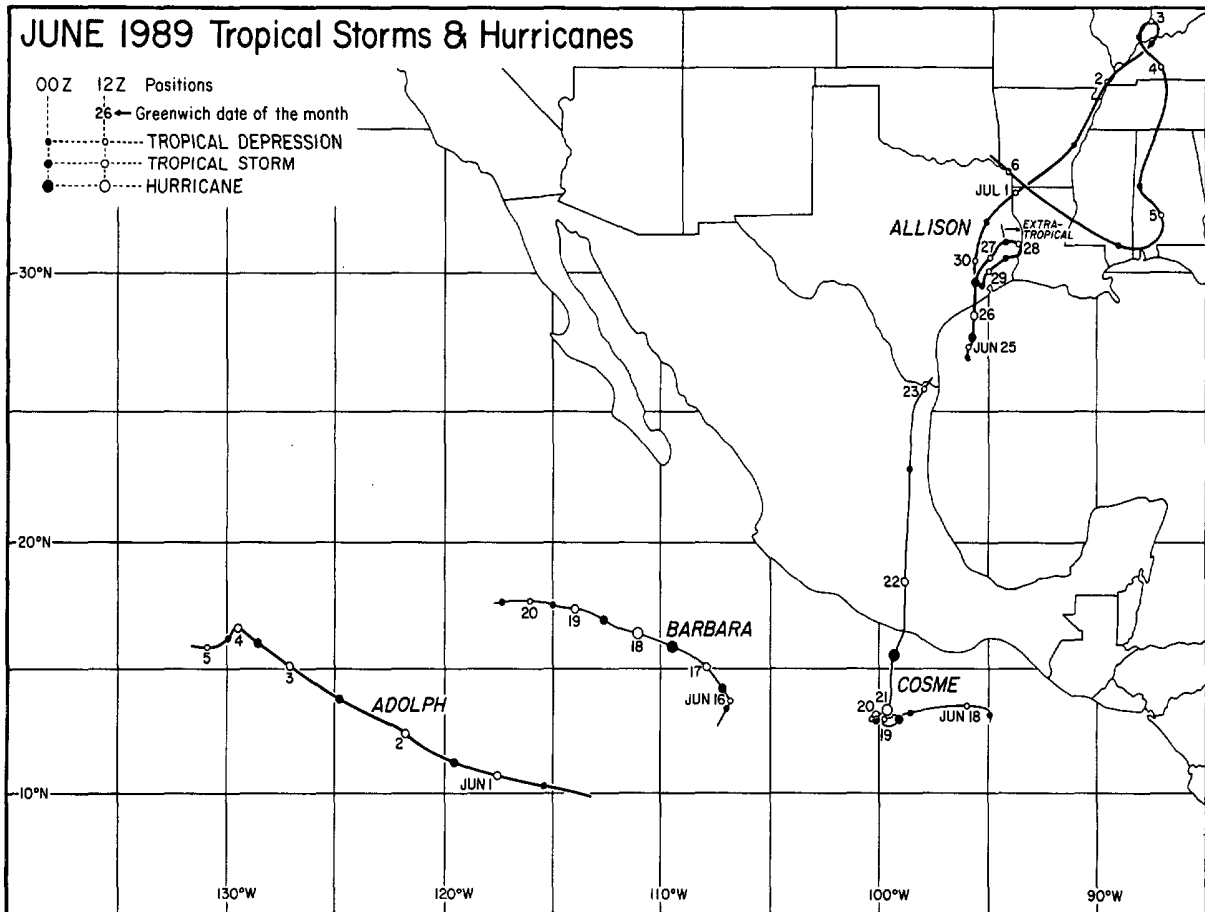


*During the mid afternoon of June 20th, this wall cloud accompanied a thunderstorm as it moved into the Ft. Myers, Florida area. Luckily, the formation produced no tornado as it passed northward over the populated area.*

---All above photos are by Jack "Thunderhead" Corso of Harrison, New York; copyright 1989.



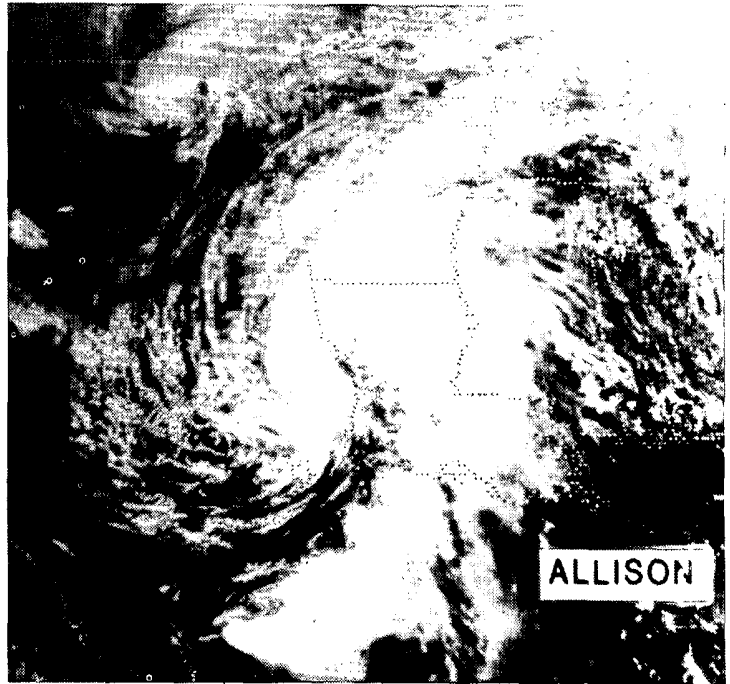
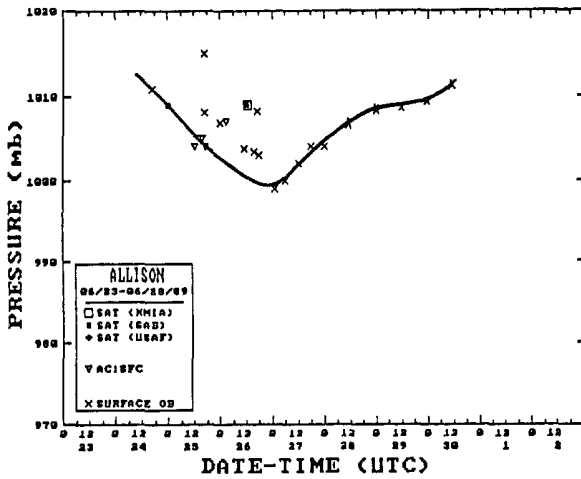
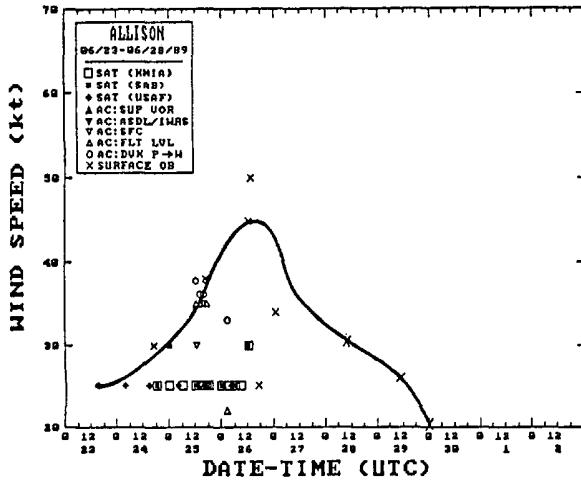
# TROPICAL STORMS and HURRICANES



---Best track data from the National Hurricane Center, Miami, Florida.

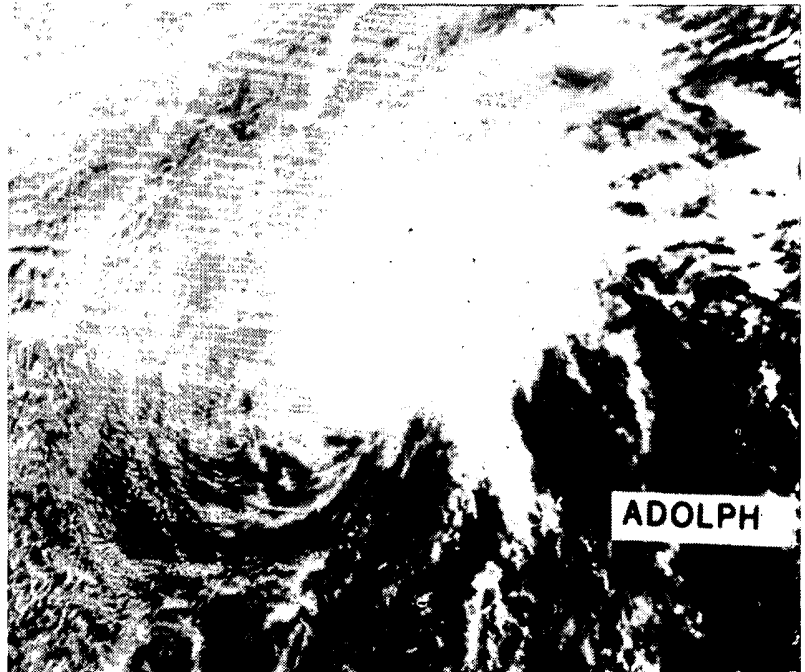
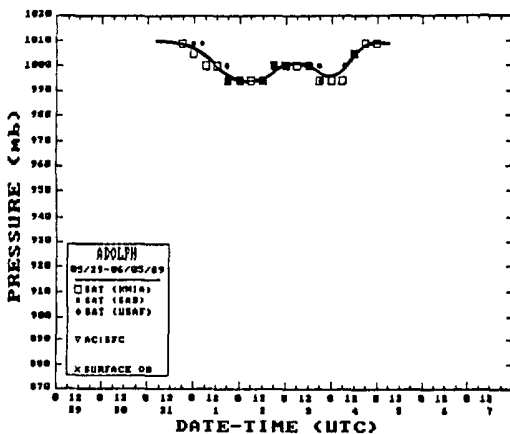
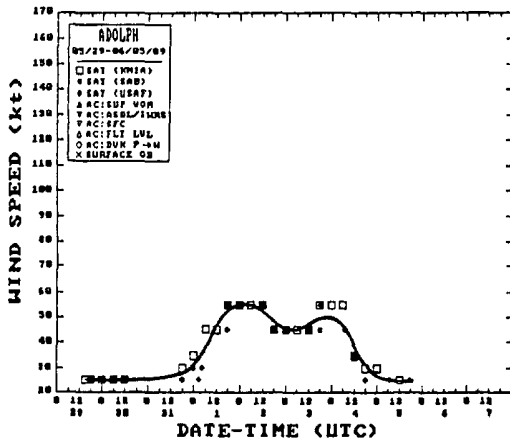
STATION	LOCATION		MAX WINDS (KT)		CURRENT WEATHER	TYPE	HEIGHT ABV SURFACE (FT)
	LAT ( N )	LO N ( W )	DATE/TIME (UTC)				
PTAT2	27.8	97.1	080/23+25	24/1900		C-MAN	
T46	28.0	95.9	100/30+40	24/1645	R-F	SAWRS	
O.CHIEF	28.2	96.3	ESE/30	25/1400		OIL RIG	
LAOE2	28.6	94.3	ESE/35+45	26/0100	R+	SHIP	
01T	28.1	94.4	100/50	26/1315	WOXORF	SAWRS	110
L40	28.2	94.2	110/40	26/1055	RW		132
RPE	29.7	93.9	120/20+38	26/1618			35
5R0	28.2	93.8	180/30+35	26/1648		SAWRS	120
SRST2	29.6	94.0	160/33+41	27/0700		C-MAN	
WC459A	28.3	93.0	SSE/34+37	27/0715		OS/AMOS	80
VR119G	29.1	92.5	S/30+36	27/1307		OS/AMOS	80
7R5	29.8	93.3	210/30+60	27/1324	L/8TRWF		35
WC66C	29.7	93.1	SSE/41+49	27/1428		OS/AMOS	70
SML08G	28.4	92.0	SW/32+35	28/1229		OS/AMOS	80
7W2	28.5	92.5	240/35+40	28/1254	1TRWF		
7R8	28.3	92.0	270/30	28/1451	5R-F		
EC42B	29.5	92.8	SE/44+51	29/1508		OS/AMOS	70

Meteorological data for Tropical Storm ALLISON from selected coastal and offshore observation points. ---Table from the National Hurricane Center, Miami, Florida.



Tropical Storm ALLISON centered over southeast Texas at 1700 UTC on June 27th.

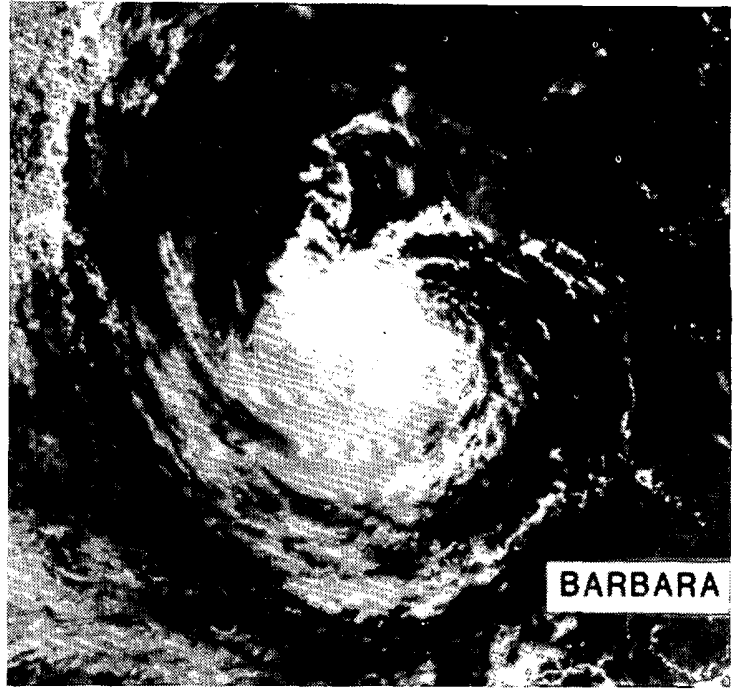
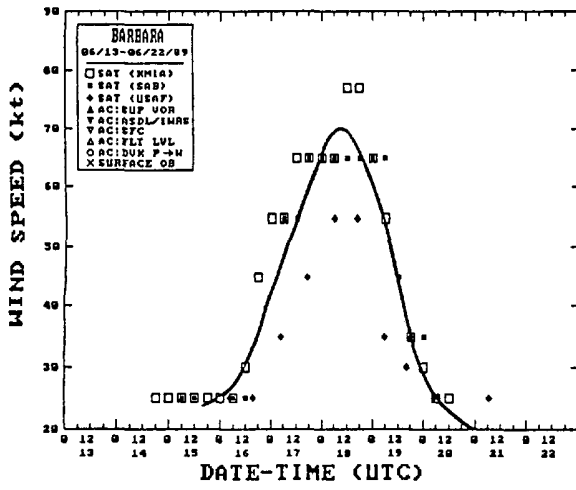
LEFT: Plots of estimated maximum wind speed and minimum surface pressure versus time for Tropical Storm ALLISON.



Tropical Storm ADOLPH in the Eastern Pacific at 1900 UTC on June 3rd.

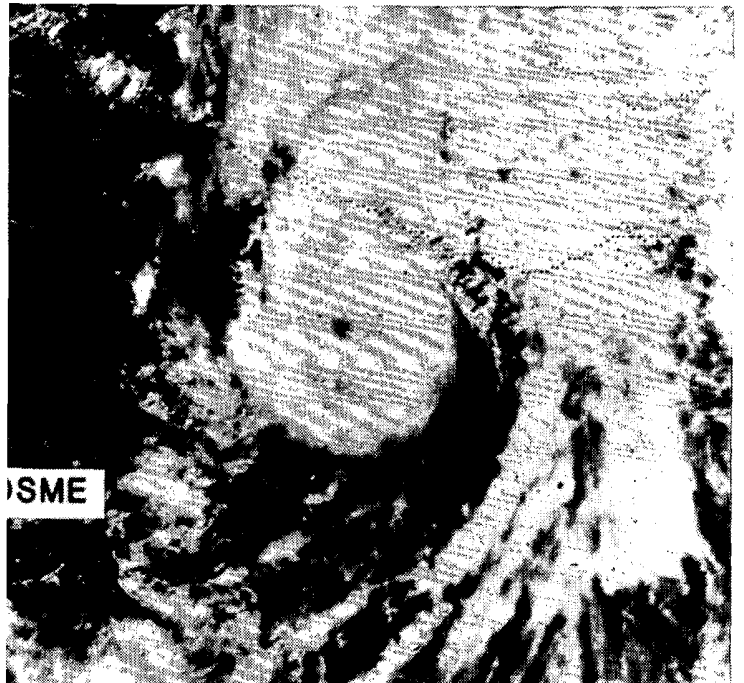
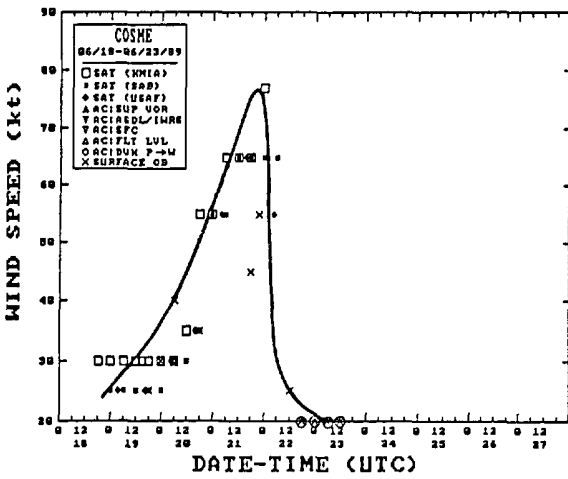
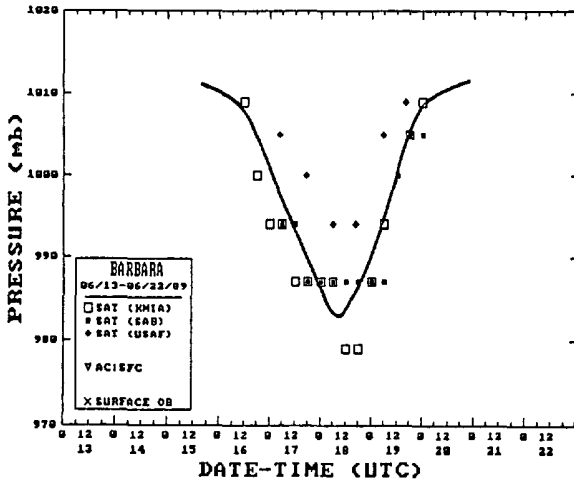
LEFT: Plots of estimated maximum wind speed and minimum surface pressure versus time for Tropical Storm ADOLPH.

---All materials on pages 22 and 23 are from the National Hurricane Center, Miami, Florida.



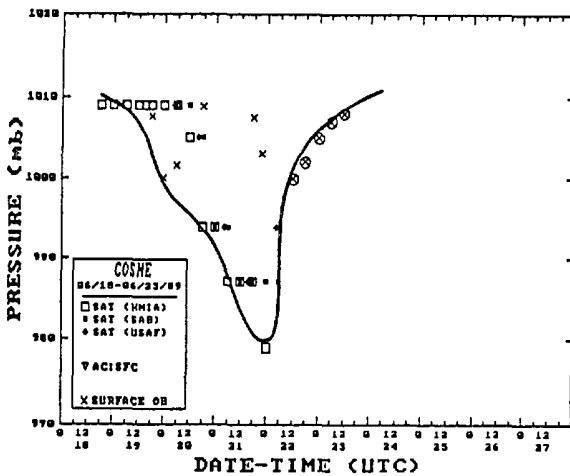
Hurricane BARBARA off the west coast of MEXICO at 1900 UTC on June 18th.

LEFT: Plots of estimated maximum wind speed and minimum surface pressure versus time for Hurricane BARBARA.



Hurricane COSME approaching the Mexican Coast at 2030 UTC on June 21st, less than 8 hours before its landfall.

LEFT: Plots of estimated maximum wind speed and minimum surface pressure versus time for Hurricane COSME.



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED <sup>1</sup> DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>1 ALABAMA</b>									
Cullman County	01	1553CST			0	0	?	?	TSTM Wind Two sheds and two trees were blown into a road 9 miles west of Cullman.
Etowah County	02	0935CST			0	0	?	?	Hail (0.75)
	02	0935CST			0	0	?	?	TSTM Wind (G70)
	02	1017CST			0	0	?	?	Hail (0.75), TSTM Wind At 0935CST dime size hail fell in Gadsden and a wind gust of 70 mph was recorded at the Gadsden-Etowah County Emergency Management Agency. Also trees and power lines were blown down in the same area. At 1017CST dime size hail fell and trees were blown down at Hokes Bluff.
Jefferson County	02	1413CST			0	0	?	?	Hail (1.00) Quarter size hail fell in the Bluff Park-Hoover area about 10 miles south of downtown Birmingham.
Shelby County	02	1415CST			0	0	?	?	Hail (0.75) Dime size hail fell in the Elvira Community in Shelby County about 15 miles southwest of downtown Birmingham.
Mobile County	02	1536CST			0	0	?	?	TSTM Wind Trees and power lines were blown down on Gulfcrest Road about 20 miles north of the Mobile airport.
Jefferson County	04	1750CST			0	0	?	?	TSTM Wind (G70) Trees and power lines were blown down at Dolomite and Sayre. A wind gust to 70 mph was reported at Fairfield.
Dallas County	05	1130CST			0	1	?	?	TSTM Wind A 21 year old woman was slightly injured when a tree fell on her car in Selma. Trees and power lines were blown down throughout the Selma area.
Macon County	05	1320CST			0	0	?	?	TSTM Wind Trees were blown down between Hardaway and Fort Davis. Also trees were blown onto power lines 4 miles west of Notasulga.
Bullock County	05	1330CST			0	0	?	?	TSTM Wind Large tree limbs were blown down in Union Springs.
Lee County	05	1335CST			0	0	?	?	TSTM Wind Trees were blown down 5 miles northeast of Society Hill.
Butler County	05	1515CST			0	0	?	?	TSTM Wind Numerous trees were blown down which caused property damage to several homes in the Greenville area.
Shelby County	06	0900CST			0	0	?	?	Flash Flooding Heavy rain produced some brief flash flooding in the Pelham area.
Baldwin County	07	1407CST			0	0	?	?	Hail (0.75)
	07	1430CST			0	0	?	?	TSTM Wind Dime size hail fell and several trees were blown down 8 miles west of Bay Minette.
Houston County	07	1555CST			0	0	?	?	TSTM Wind (G60)
	07	1615CST			0	0	?	?	Hail (1.00)
	07	1615CST			0	0	?	?	TSTM Wind
	07	1920CST			0	0	?	?	TSTM Wind At 1555CST large tree limbs were blown down by winds estimated at 60 mph in Wicksburg. At 1615CST trees and power lines were blown down at Dothan. Quarter size hail also fell in Dothan. At 1920CST large tree limbs were blown down 6 miles south of Dothan.
Geneva County	07	1630CST			0	0	?	?	TSTM Wind
	07	1630CST			0	0	?	?	Hail (1.75) At Slocomb golfball size hail fell and a mobile home was blown over. The hail damaged approximately 200 acres of tomatoes.
Baldwin County	07	1715CST			1	1	?	?	Lightning A 65 year old man was killed and a 55 year old man was slightly injured when lightning struck them. The two men were standing inside a two-story open barn when struck. Lightning H650
Baldwin County	08	0600CST-1500CST			0	0	?	?	Flash Flooding About 10 inches of rain fell over a 15 hour period in the Bay Minette area, causing a series of flash floods. Ten to twelve homes were flooded.
Baldwin County	08	0851CST	2.0	20	0	10	6	0	Waterspout-Tornado (F1) A waterspout moved inland at Alabama Point then moved northeast about 2 miles through the eastern part of Orange Beach. One home was totally destroyed. Five homes received major damage. Seventeen homes received minor damage. One mobile home was destroyed while another received major damage. There were ten minor injuries. Damage estimates were placed at near 1 million dollars.
Baldwin County	08	0855CST	0.3	10	0	0	?	?	Tornado (F0) A small tornado touched down two and one half miles northwest of Lillian then moved northeast about one-third mile. Eight homes and two barns were damaged. There were no injuries.
<b>ALABAMA</b>									
Mobile County	08	1230CST-1500CST			0	0	?	?	Flash Flooding
Mobile County	08	1240CST			0	0	?	?	TSTM Wind (G60)
	08	1300CST			0	0	?	?	TSTM Wind (G90)
	08	1859CST	0.3	10	0	0	?	?	Waterspout-Tornado (F0) Four to six inches of rain caused widespread flash flooding of roads in the city of Mobile and in the surrounding area. At 1240CST a wind gust to 60 mph was recorded at the Mobile airport. At 1300CST wind gusts in the 80 to 100 mph range which caused tall buildings to sway were reported in downtown Mobile. Most of the damage in Mobile was caused by wind blown trees and limbs falling onto houses and from downed power poles and lines. In Mobile large billboards were blown down and a large section of the facade of a historic downtown hotel was blown away. At 1859CST a waterspout briefly became a tornado as it moved northeast across the eastern end of Dauphin Island. Trees and power lines were blown down. There were no injuries.
Baldwin County	08	1300CST			0	0	?	?	TSTM Wind
	08	1545CST			0	0	?	?	TSTM Wind
	08	1744CST			0	0	?	?	TSTM Wind At 1300CST several trees and a metal carport were blown down about 7 miles southwest of Bay Minette. At 1545CST a mobile home was demolished at Robertsdale. Three others were damaged. At 1744CST several rooftops were removed and trees were uprooted along a one mile strip at Barnwell.
Shelby County	11	1345CST			0	0	?	?	TSTM Wind
	11	1430CST			0	0	?	?	TSTM Wind At 1345CST in the town of Shelby a steeple was blown off a church and numerous large trees were blown down. At 1430CST a mobile home was blown off its foundation in the town of Shelby.
Houston County	11	1500CST			0	0	?	?	TSTM Wind Several trees were blown down at scattered locations in Dothan. A few trees fell onto houses.
Cullman County	12	1725CST			0	0	?	?	TSTM Wind Trees were blown down in the city of Cullman.
Macon County	12	1810CST			0	0	?	?	Hail (0.75) Dime size hail fell at Tuskegee.
Marshall County	12	1810CST			0	0	?	?	TSTM Wind Thunderstorm winds destroyed one mobile home and ripped the top off another in Preston. Also numerous trees were blown down in the same area. At Arab a large billboard and several trees were blown down.
Jackson County	12	1830CST			0	0	?	?	TSTM Wind At Hollywood thunderstorm winds ripped the roof off a junior high school and caused considerable damage to the gymnasium.
Lee County	12	1900CST			0	0	?	?	TSTM Wind Trees were blown down at Chevasla State Park.
Colbert County	14	0200CST			0	0	?	?	TSTM Wind Trees were blown down which blocked several roads at Cherokee.
Morgan County	14	1120CST			0	0	?	?	TSTM Wind Thunderstorm winds blew down trees and power lines 5 miles west of Decatur and in the city of Decatur.
Lawrence County	14	1130CST			0	0	?	?	TSTM Wind Several trees were blown down and a roof was torn off a home at Hillsboro.
Limestone County	14	1200CST			0	0	?	?	TSTM Wind Thunderstorm winds uprooted about 50 trees approximately 7 miles southwest of Athens. Also trees and power lines were blown down 9 miles southeast of Athens.
Madison County	14	1200CST			0	0	?	?	TSTM Wind A roof was blown off a restaurant at Madison. In Huntsville trees were uprooted and the roof was blown off a museum. Also the roof was blown off a dormitory at the University of Alabama at Huntsville. There were no injuries.
Cullman County	14	1215CST			0	0	?	?	TSTM Wind Trees and power lines were blown down two miles south of Berlin.
Autauga County	14	1340CST			0	0	?	?	TSTM Wind Trees were blown down and several trailers were blown down at Autaugaville.
Tuscaloosa County	14	1345CST			0	0	?	?	TSTM Wind Straight-line thunderstorm winds blew down trees and power lines and destroyed two mobile homes 9 miles north of Northport. Two other mobile homes in the same area were heavily damaged.
Choctaw County	14	1400CST			0	0	?	?	Hail (0.75)
	14	1400CST			0	0	?	?	TSTM Wind (G60) Dime size hail fell and wind gusts were estimated at 60 mph at Butler.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	

ALABAMA									
Shelby County	14 1400CST	0	0	?	?	TSTM Wind			
	14 1410CST	0	0	?	?	TSTM Wind	Trees were blown onto power lines in Pelham at 1400CST. At 1410CST trees were blown down at Alabaster.		
Jefferson County	14 1410CST	0	0	?	?	TSTM Wind	Trees were blown down in Hoover and in scattered locations throughout southern Jefferson County.		
	14 1430CST	0	0	?	?	TSTM Wind	Trees were blown down at Jasper.		
Talladega County	14 1450CST	0	0	?	?	TSTM Wind	Trees and power lines were blown down at Talladega.		
Jefferson County	14 1500CST	0	0	?	?	TSTM Wind	A mobile home was blown over at Mulga.		
Saint Clair County	14 1500CST	0	0	?	?	ISTM Wind	Trees and power lines were blown down at Moody.		
Cullman County	14 1505CST	0	0	?	?	TSTM Wind	Trees were blown down at Garden City.		
Blount County	14 1510CST	0	0	?	?	TSTM Wind	Thunderstorm winds damaged a service station at the intersection of Highways 231 and 79 near Blountsville.		
Etowah County	14 1510CST	0	0	?	?	TSTM Wind	A mobile home was overturned and several trees were blown down 4 miles south of Southside.		
	14 1539CST	0	0	?	?	TSTM Wind	At 1539CST a few trees were blown down and a pump house was blown over in the Roanoke area. At 1555CST straight-line winds reached 60 mph at Wedowee.		
Randolph County	14 1555CST	0	0	?	?	TSTM Wind (660)			
	14 2100CST	0	0	?	?	TSTM Wind	Several trees were uprooted and power lines were blown down at Fort Deposit.		
Baldwin County	15 0350CST	0	0	?	?	TSTM Wind (663)	Large trees were blown down at Loxley, Daphne, and Fairhope. Straight-line thunderstorm winds reached 63 mph at the Fairhope airport.		
Barbour County	15 1040CST	0	0	?	?	TSTM Wind			
	15 1040CST	0	2	?	?	Lightning	A fallen tree damaged a van in Eufaula. Lightning slightly injured two men who were working on a utility pole near the intersection of Highways 165 and 431.		
Houston County	15 1050CST	0	0	?	?	TSTM Wind	Numerous trees were blown onto power lines on the north side of Dothan.		
Henry County	15 1115CST	0	0	?	?	TSTM Wind	Trees were blown down at scattered locations in the southern part of the county.		
Henry County	15 1700CST	0	0	?	?	TSTM Wind	Large billboards and trees were blown down 2 miles south of Headland along Highway 231.		
Houston County	15 1710CST	0	0	?	?	TSTM Wind	Trees were blown down 2 miles southwest of Rehobeth.		
Baldwin County	16 0405CST	0	0	?	?	Flash Flooding	Extensive street flooding was reported in Gulf Shores.		
Elmore County	16 0800CST	0	0	?	?	Flash Flooding	Heavy rain flooded several businesses and homes along roadways throughout Elmore County.		
Montgomery County	16 0800CST	0	0	?	?	Flash Flooding	Heavy rain flooded many streets throughout the Montgomery area.		
Houston County	16 0855CST	0	0	?	?	TSTM Wind	Several trees were blown down at Kinsey. One tree damaged a mobile home.		
Crenshaw County	16 0900CST	0	0	?	?	Flash Flooding	Heavy rain flooded and washed out several roads at scattered locations in the county.		
Geneva County	16 0900CST	0	0	?	?	Flash Flooding	Roads were flooded at numerous locations in the county. A few bridges were washed out.		
Montgomery County	18 1630CST	0	0	?	?	TSTM Wind	Trees were blown down at Pintalala.		
Bibb County	18 1935CST	0	0	?	?	Hail (1.00)	One-inch hail fell at Woodstock.		
Elmore County	19 0600CST	0	0	?	?	Flash Flooding	Heavy rain flooded numerous roads in Elmore County.		

ALABAMA									
Tallapoosa County	19 0600CST	0	0	?	?	Flash Flooding	Heavy rain washed out numerous roads throughout the county.		
	19 0800CST	0	0	?	?	Flash Flooding	Heavy rain washed out numerous roads throughout the county.		
Houston County	19 1205CST	0	0	?	?	TSTM Wind			
	19 1220CST	0	0	?	?	TSTM Wind	Thunderstorm winds downed trees and power lines at Cottonwood at 1205CST. Trees were blown down in both Webb and Cottonwood at 1220CST.		
Jefferson County	19 1600CST	0	0	?	?	Flash Flooding	Torrential rain flooded many streets and underpasses in Birmingham.		
Shelby County	19 1600CST	0	0	?	?	Flash Flooding	Torrential rain flooded many streets in north Shelby County.		
Bibb County	19 1645CST	0	0	?	?	Flash Flooding	Heavy rain flooded numerous roads in Bibb County, especially in the Centreville area.		
Randolph County	20 1100CST	0	0	?	?	Flash Flooding	Heavy rain caused several roads to flood in Randolph County.		
Saint Clair County	21 0030CST	0	0	?	?	Flash Flooding	Torrential rain caused extensive flooding of roads in Leeds and Odenville.		
Dale County	21 1220CST	0	0	?	?	Hail (0.75)	Dime size hail fell 10 miles northeast of Ozark.		
Barbour County	21 1248CST	0	0	?	?	TSTM Wind	Trees and power lines were blown down in Clilo.		
Dallas County	21 1625CST	0	0	?	?	Hail (0.75)	Dime size hail fell at Selma.		
Cullman County	22 0110CST	0	0	?	?	TSTM Wind (688)	Trees and power lines were blown down in the City of Cullman. Six store windows were blown out. Items from a furniture store were found several blocks away. A wind gust to 88 mph was recorded at the Cullman County Emergency Management Agency.		
Limestone County	22 0700CST	0	0	?	?	Flash Flooding	Heavy rain flooded several roads causing numerous cars to be stranded. There were no known injuries.		
Morgan County	22 0700CST	0	0	?	?	Flash Flooding	Heavy rain flooded several roads causing numerous cars to be stranded. There were no known injuries.		
Marshall County	22 0900CST	0	0	?	?	Flash Flooding	Heavy rain caused flooding of streets in several locations in Marshall County, especially in Boaz.		
Etowah County	22 1030CST	0	0	?	?	Flash Flooding	Several roads and bridges at scattered locations in the county were covered with water due to heavy rain.		
Talladega County	22 1200CST	0	0	?	?	TSTM Wind	Several dozen trees were blown down by thunderstorm winds. Property damage was minimal.		
Randolph County	22 1230CST	0	1	0	0	Lightning	A 39 year old man was slightly injured by lightning while at a land fill in Roanoke.		
Chilton County	22 1336CST	0	0	?	?	TSTM Wind	At Fairview a shed was destroyed and a tin roof was blown off a building. Several large tree limbs were also blown down.		
Shelby County	22 1405CST	0	0	?	?	Flash Flooding	Torrential rain caused several roads to be covered with water.		
Dallas County	26 1835CST	0	0	?	?	TSTM Wind	Part of a roof was blown off a church between Plantersville and Paul Grist State Park.		
Mobile County	30 1145CST	0	0	?	?	TSTM Wind	One store window was blown out and some roofing materials were blown off several stores 3 miles southeast of the Mobile airport.		
Jefferson County	30 1725CST	0	0	?	?	Flash Flooding	In Bessemer along Valley Creek water damaged at least 5 homes. A few residents were temporarily trapped inside their homes due to rising water. There were no injuries.		

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>2 ARIZONA</b>									
AZZALL Statewide	13-30				2	0	0	0	Extreme Heat
	<p>Record or near-record high temperatures were observed in many areas around the state. The extreme heat wave began on the 13th and reached its peak on the 18th. Douglas broke the all-time record with 108°F. The maximum in Phoenix on the 18th was 115 degrees. Tucson's record high maximum temperatures included 107 on the 17th, 113 on the 18th, 112 on the 19th, 108 on the 29th, and 112 on the 30th. The 103 in Winslow and the 116 at Yuma tied records. Two deaths in the Tucson area were blamed on the heat. F780, M360.</p>								
<b>3 ARKANSAS</b>									
Faulkner Co. Conway	01	1600CST			0	1	5	0	Thunderstorm Winds (S2)
Conway	01	1600CST			0	0	?	?	Hail (1.00)
3E Conway	01	1620CST			0	0	?	?	Thunderstorm Winds
Vilonia	01	1630CST			0	0	?	?	Thunderstorm Winds
Enola	01	1640CST			0	0	?	?	Thunderstorm Winds
Mt. Vernon	01	1640CST			0	0	?	?	Thunderstorm Winds
	<p>A severe thunderstorm moved through central Faulkner County producing wind gusts estimated to be in excess of 60 mph. Numerous trees were uprooted, roofs damaged, signs blown over and power lines downed. A woman in Conway was injured by flying glass when the limbs broke the windshield of her car. The same storm uprooted trees and downed power lines in Vilonia, Enola, and Mt. Vernon. A tree was blown onto a house three miles east of Conway.</p>								
White Co. Floyd	01	1718CST			0	0	?	?	Thunderstorm Winds
	<p>Thunderstorm winds blew down trees in and around Floyd.</p>								
Randolph Co. Pocahontas	01	1815CST			0	0	4	0	Thunderstorm Winds
	<p>Thunderstorm winds damaged area businesses, uprooted trees and downed power lines in Pocahontas. An auto dealership had windows broken on several cars. Many antiques were damaged when winds blew out windows at an antique store. Windows were broken and signs damaged by winds at the "T" Shopping Center.</p>								
Ashley Co. Portland	02	1432CST			0	0	4	0	Thunderstorm Winds
	<p>Thunderstorm winds badly damaged an aircraft hangar and caused minor damage to two aircraft. Power lines were also downed.</p>								
Desha Co.	02	1538-1547CST	8	25	0	0	?	?	Tornado (FO)
	<p>A tornado touched down in open farmland between McGehee and Arkansas City. Some power was knocked out.</p>								
Desha Co. Halley	02	1550CST			0	0	?	?	Thunderstorm Winds
	<p>Trees and power lines were blown down near Halley.</p>								
Chicot Co. Dermott	02	1550CST			0	0	?	?	Thunderstorm Winds
	<p>Trees and power lines were downed near Dermott.</p>								
Clay Co. IN Pollard	02	1600CST			0	0	?	?	Thunderstorm Winds
	<p>A tool shed was destroyed and the roof blown off another just north of Pollard.</p>								
White Co. Bradford	02	1815CST			0	0	0	0	Funnel Cloud
White Co.	02	1818-1822CST	3	15	0	0	?	?	Tornado (FO)
Jackson Co.	02	1822-1840CST							
	<p>The State Police reported that a small tornado developed about 1/2 mile northeast of Bradford in White County. The tornado was very slow moving. It crossed the White-Jackson County line about 1-1/2 miles northeast of Bradford. The tornado finally ended about 3-1/2 miles southwest of Grand Glaize in Jackson County. The only damage reported was about 4 miles southwest of Grand Glaize, where the roof of a pole barn was partially blown off.</p>								
<b>— ARKANSAS</b>									
Benton Co. Bella Vista	02	1832CST			0	0	0	0	Funnel Cloud
White Co. Bradford	02	1842-1850CST	1	10	0	0	0	0	Tornado (FO)
Bradford	02	1843-1850CST	1	10	0	0	0	0	Tornado (FO)
	<p>The State Police reported two separate tornadoes in open country near Bradford. There was no damage.</p>								
Benton Co. Rogers	02	1845CST			0	0	?	?	Thunderstorm Winds
	<p>Thunderstorm winds uprooted several trees and downed power lines.</p>								
Lonoke Co.	02	2000CST			0	0	?	?	Thunderstorm Winds
	02	2000CST			0	0	?	?	Flash Flood
	<p>Rainfall totaling approximately eight inches from a thunderstorm flooded cotton and soybean fields near England, destroying the crops. Thunderstorm winds also blew down trees and power lines.</p>								
Ouachita Co. Camden	02	2046CST			0	0	?	?	Hail (1.00)
Dallas Co. Carthage	03	1515CST			0	0	?	?	Thunderstorm Winds
	<p>Thunderstorm winds downed power lines, and very heavy rain caused local street flooding near Carthage.</p>								
Little River Co. Ashdown	04	0520CST			0	0	?	?	Thunderstorm Winds
	<p>Thunderstorm winds downed trees near Ashdown.</p>								
Sevier Co. Horatio	04	0600CST			0	0	?	?	Hail (0.88)
Woodruff Co. McCrory	04	1630CST			0	0	?	?	Hail (1.00)
White Co. Searcy	04	1637CST	1.5	50	0	0	4	0	Tornado (FO)
	<p>A small tornado blew over trees and downed power lines. Numerous homes and automobiles were damaged by falling trees and flying debris.</p>								
Cross Co. Wynne	04	1656CST			0	0	4	0	Thunderstorm Winds
	<p>Thunderstorm winds knocked down trees and power lines. An auto dealership had cars damaged, and numerous portable buildings were destroyed at a business, both on the north end of town.</p>								
Crittenden Co. Earle	04	1700CST			0	0	0	0	Funnel Cloud
Cross Co. 2SE Parkin	04	1728-1730CST	0.5	18	0	0	0	0	Tornado (FO)
	<p>A tornado touched down briefly in a field.</p>								
Crittenden Co.	04	1745-1751CST	3.0	20	0	0	4	0	Tornado (FO)
	<p>A tornado traveled from 1 mile south of Lansing to 1 mile north of Crawfordville, uprooting trees, snapping utility poles and blowing out windows.</p>								
Crittenden Co. Marion	04	1815CST			0	0	?	?	Thunderstorm Winds
	<p>Thunderstorm winds downed trees and power lines in Marion.</p>								
Crittenden Co. Clarkedale	04	1825CST			0	0	0	0	Funnel Cloud
St. Francis Co. 10N Hughes	04	1825CST			0	0	0	0	Funnel Cloud
Cross Co. 1N Parkin	04	1915CST			0	0	?	0	Thunderstorm Winds
	<p>Numerous power lines were blown down just north of Parkin.</p>								
Miller Co. 3N Texarkana	05	0100CST			0	0	5	0	Lightning
	<p>A nursery three miles north of Texarkana suffered heavy fire damage after being struck by lightning.</p>								

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	
					KILLED	INJURED	PROPERTY	CROPS		
<b>— ARKANSAS</b>										
Crawford Co. Van Buren	05	1100CST			0	1	4	0	Lightning	A man suffered minor injuries when struck by lightning while talking on a telephone. Lightning struck a tree outside, traveled through a clothes-line, and then through the telephone. The man was thrown 6-8 feet backwards across the room. A fire was also started, destroying 20% of the home.
Pulaski Co. Little Rock	05	1312CST			0	0	?	?	Hail (1.75)	
Pulaski Co. North Little Rock	05	1321CST			0	0	5	0	Thunderstorm Winds (S1)	
North Little Rock	05	1325CST			0	0	?	0	Hail (0.88)	A severe thunderstorm packing winds of at least 59 mph caused damage across North Little Rock. At the National Weather Service, flying gravel broke out three car windows, cracked two windshields, and damaged the paint on several cars. A small plane at the North Little Rock Airport was flipped and deposited on a fence. Most of the damage consisted of downed trees and power lines. One large tree fell on and destroyed a garage. Nickel size hail fell from the storm.
Ouachita Co. Camden	05	1625CST			0	0	?	?	Thunderstorm Winds	Numerous trees were blown onto power lines in Camden.
Pike Co. Glenwood	06	1510CST			0	0	?	?	Hail (1.00)	
Hempstead Co. New Hope	06	1530CST			0	0	?	?	Hail (1.00)	
Columbia Co. Waldo Taylor	06	1600CST			0	0	?	?	Hail (0.88)	
	06	1600CST			0	0	?	?	Hail (0.88)	
Lincoln Co. Gould	07	0330CST			0	0	?	?	Flash Flood	Four to five inches of rain caused flash flooding in Gould. Water was flowing across a 200 foot stretch of U. S. Highway 65. Several businesses along the highway were flooded, as was City Hall.
Benton Co. Centerton	11	0900CST			0	0	3	0	Thunderstorm Winds	A carport and automobile were damaged by a blow over tree.
Van Buren I.N. Bee Branch	11	1328- 1333CST	1.0	50	0	6	5	0	Tornado (F2)	A tornado struck 1.5 miles north of Bee Branch destroying a restaurant and badly damaging a mini mart and gas station. Six people were injured when a car was thrown through the roof of the restaurant. Another car was thrown over the restaurant. The roof of an auto parts store was also damaged.
Lincoln Co. Grady	11	1610CST			0	0	?	0	Thunderstorm Winds	Trees and power lines were downed in Grady.
Desha Co. McGehee	11	1610CST			0	0	?	0	Thunderstorm Winds	Trees and power lines were downed in McGehee.
Mississippi Co. SE Blytheville	11	1630- 1635CST			0	0	0	0	Funnel Cloud	
Ashley Co. Montrose	11	1750CST			0	0	?	0	Thunderstorm Winds	Trees and power lines were downed in Montrose.
Chicot Co. Dermott	11	1750CST			0	0	?	0	Thunderstorm Winds	Trees and power lines were downed in Dermott.
Sebastian Co. Fort Smith	12	0630CST			0	0	0	0	Funnel Cloud	
Franklin Co. Charleston	12	0720CST			0	0	4	0	Thunderstorm Winds (S2)	A severe thunderstorm moved across the south side of Charleston uprooting trees, damaging roofs, doors, windows, business signs and downing utility lines.
Johnson Co. Lamar	12	0810CST			0	0	?	0	Thunderstorm Winds	Trees and power lines were downed in Lamar.
<b>— ARKANSAS</b>										
Pope Co.	12	0820CST			0	0	?	0	Thunderstorm Winds	A large tree and power lines fell across U. S. Highway 64 between Russellville and London.
Lafayette Co. Lewisville	13	0930CST			0	0	?	?	Thunderstorm Winds	Strong winds toppled trees in the Lewisville area.
Cleveland Co. Kingsland	13	1045CST			0	0	?	?	Thunderstorm Winds	Trees were downed near Kingsland.
Cleveland Co. Rye	13	1105CST			0	0	4	0	Thunderstorm Winds	A nursery near Rye was damaged by thunderstorm winds. Part of the roof was blown off and numerous trees and plants were damaged.
Chicot Co. Lake Village	13	1145CST			0	0	?	?	Thunderstorm Winds	Trees and power poles were blown down.
Desha Co. Mitchellville	13	1152CST			0	0	?	?	Thunderstorm Winds	Trees and power lines were downed.
Union Co. Old Union	13	2030CST			0	0	?	?	Hail (1.75)	
Drew Co. Tillar	13	2055CST			0	0	?	?	Thunderstorm Winds	Trees and power lines were downed.
Desha Co. McGehee	13	2125CST			0	0	?	?	Thunderstorm Winds	Trees and power lines were downed.
Chicot Co. Dermott	13	2145CST			0	0	?	?	Thunderstorm Winds	Trees and power lines were downed.
Ashley Co. Portland	13	2230CST			0	0	?	?	Thunderstorm Winds	Trees and power lines were downed.
Cross Co. Wynne Wynne Wynne	18	1730CST			0	0	?	?	Hail (0.88)	
	18	1730CST			0	0	?	?	Thunderstorm Winds	
	18	1740CST			0	0	?	?	Hail (1.00)	
										Thunderstorm winds downed trees and power lines, and there was hail up to one inch in diameter.
St. Francis Co. Forrest City Forrest City	18	1745CST			0	0	3	0	Thunderstorm Winds	
	18	1745CST			0	0	?	?	Flash Flood	A severe thunderstorm dropped two inches of rain in twenty minutes, flooding some homes and businesses. A lumber company also was damaged by strong winds.
Logan Co. 2N Subiaco	22	1100CST			0	0	4	0	Lightning	Fourteen pregnant cows were killed by a lightning strike two miles north of Subiaco.
Stone Co. Mountain View	22	1500CST			0	0	?	?	Thunderstorm Winds	A hangar was destroyed at the Mountain View Airport.
Clay Co. Sector	23	1845CST			0	0	?	0	Thunderstorm Winds	Thunderstorm winds blew the roof off a barn.
St. Francis Co. Colt	24	1830CST			0	0	4	0	Thunderstorm Winds	A mobile home was destroyed by strong winds.
Pulaski Co. Little Rock	25	1600CST			0	0	?	?	Thunderstorm Winds	Thunderstorm winds blew down trees and power lines in West Little Rock.
Saline Co. Benton	25	1615CST			0	0	?	?	Thunderstorm Winds	Thunderstorm winds blew down trees and power lines.
Pulaski Co. North Little Rock	25	1625CST			0	0	?	?	Thunderstorm Winds	Thunderstorm winds downed trees and power lines, damaged a mobile home, and blew a plate glass window out of a store.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

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					KILLED	INJURED	PROPERTY	CROPS	
<b>— ARKANSAS —</b>									
Faulkner Co. Conway Conway	25	1730CST			0	0	?	?	Thunderstorm Winds Lightning
									Thunderstorm winds blew down trees and power lines. A lightning strike also damaged one home.
Sebastian Co. Fort Chaffee	26	1415CST			1	12	0	0	Lightning
									One soldier was killed and twelve others injured by lightning strikes while outside on a training exercise at Fort Chaffee. Lightning M290.
South Arkansas	All Month				0	0	0	?	Excessive Rain
									Rains of unusual frequency and amounts have left fields flooded, causing damage to cotton, wheat, soybean and tomato crops. Much of the rain came from the remains of Tropical Storm Allison over the latter half of the month.
<b>4 CALIFORNIA, Northern — NO REPORT RECEIVED</b>									
<b>4 CALIFORNIA, Southern</b>									
Coastal Waters	21	afternoon			2	2	0	0	Heavy Surf
									Large breakers, occasionally reaching ten feet in height, pounded the Southern California coastline Wednesday through Saturday (June 21-24). The breakers were due to swells generated by a winter storm in the Southern Hemisphere. Dangerous rip tide conditions kept lifeguards busy rescuing swimmers and surfers. On Saturday the 24th, two men drowned when a large wave swept them into the ocean while they were fishing from some rocks. M190, M200.
<b>5 COLORADO</b>									
Las Animas County Trinidad	2	0204MST			0	0	0	0	Tstm.wind (54)
Prowers County, 10 SW Lamar	2	1520MST	0.5	25	0	0	0	0	Tornado (F0) A brief tornado was spotted 10 miles southwest of Lamar.
Denver County, Denver	2	2150MST			0	0	0	0	Hail (2.75) Large hail fell in eastern and central Denver from 2150 to 2250 MST. A few stones were as large as baseballs, and many ranged from 3/4 inch to golfball size. The hail piled up 2 to 4 inches deep in some areas.
Boulder County, Louisville	2	2230MST			0	0	4	0	Lightning A home in Louisville was struck by lightning, and was 30 percent destroyed in the ensuing fire.
Arapahoe County, Aurora	2	2238MST			0	0	0	0	Hail (0.75) 3/4 inch hail fell at Buckley Field in Aurora.
Arapahoe County, between Aurora and Watkins	2	2255MST			0	0	0	0	Hail (0.88) 7/8 inch hail fell between Aurora and Watkins.
Jefferson County, Arvada	3	1454MST			0	0	0	0	Hail (1.75) Hail up to golfball size fell off and on in Arvada for over an hour, ending about 1600 MST. A golf course had to be evacuated as the hail accumulated up to 3 inches deep in some places.
Denver County, Denver	3	1500MST			0	0	0	0	Hail (1.0) 1 inch hail fell in western Denver.
Adams County, Westminster	3	1506MST			0	0	0	0	Hail (1.0) Hail up to an inch in diameter fell in Westminster from 1506 to 1511 MST.
Boulder County, Niwot	3	1556MST			0	0	0	0	Hail (0.75)
<b>— COLORADO —</b>									
Front Range, and Northeast Colorado CO2011-012-013	2-4				0	0	5	0	Heavy Rain Heavy rain drenched Northeastern Colorado during this period, with the greatest amounts recorded on June 3. Total rainfall in the area ranged from 1 1/2 to 3 inches at most spots, but around 4 inches fell in the Loveland area. Roads were washed out in Larimer and Boulder counties, and flooded basements caused water damage to houses in the Gunbarrel section of Boulder. In Masonville, about 10 miles south of Fort Collins in Larimer County, 3 1/2 inches of rain fell in 75 minutes during the afternoon of the 3rd, causing a flash flood on Buckhorn Creek. A road was washed out and a septic tank ruined. In suburban Denver, heavy rain caused minor flooding along Lena Gulch in Jefferson County; two mobile home parks were evacuated.
Larimer County, Masonville	3	afternoon			0	0	3	0	Flash Flood See above description.
Otero County, 18 S Rocky Ford	3	afternoon			0	0	0	5	Hail Hard marble size hail wiped out melons, corn, and onions in an area 18 miles south of Rocky Ford. Wheat was also damaged. The hail piled up several inches deep, and was accompanied by 1.7 inches of rain in just 30 minutes.
El Paso County, Calhan	6	1230MST			0	0	0	0	Hail (1.75) Hail up to golfball size piled up 4 inches deep in Calhan.
Prowers County, 5 NW Holly	6	1505MST	2	25	0	0	4	0	Tornado (F1) A tornado touched down about 5 miles northwest of Holly. It hit two farms, and lasted 10 to 15 minutes. The twister damaged two barns, a granary, and other equipment. One building was unroofed, and a fuel tank was blown into a pickup truck. A 1000 gallon tank full of fuel was picked up and carried several hundred yards. The tornado also hit a power line. Total damage was estimated at over thirty thousand dollars.
Arapahoe County, Aurora	8	1515MST	0.1	20	0	0	5	0	Tornado (F1) A small tornado hit a neighborhood in southeast Aurora, missing the house of WSPCO Denver's hydrologist by only 50 yards. The twister hit a dozen homes, blowing out windows, knocking down fences, and partially unroofing one house. About a half dozen trees were felled. The tornado was on the ground about two minutes. A basketball pole was severely bent. Total damage was estimated at fifty thousand dollars.
Northeast Colorado CO2013	8	afternoon			0	0	4	4	Heavy rain Heavy rain flooded basements and caused minor crop damage in extreme northeast Colorado, mostly in Logan, Phillips, and Sedgewick counties. 5.7 inches drenched a spot 15 miles northeast of Sterling in just 2 1/2 hours from 1600 to 1830MST. 20 miles southeast of Sterling, small hail covered the ground 3 inches deep.
Douglas County, Parker	8	1621MST			0	0	3	0	Lightning Lightning struck a home in Parker, causing \$2500 damage.
Las Animas County, 20N Trinidad	9	1218MST	0.3	25	0	0	0	0	Tornado (F0) A helicopter pilot reported a brief tornado touchdown 20 miles north of Trinidad.
El Paso County, Colorado Springs	9	afternoon			0	1	0	0	Lightning A woman in Colorado Springs was slightly injured by lightning while talking on the telephone.
El Paso County, Colorado Springs	10	afternoon			0	5	3	0	Lightning Three lightning strikes injured five people in the Colorado Springs area between 1330 and 1400MST. A 22 year old man and a 32 year old man were hit in the back of a pickup truck at the Air Force Academy. The 32 year old suffered a shattered eardrum and a burned eye. A 25 year old man was struck while training at Fort Carson. And, two 10 year old girls at a window while watching the thunderstorm in the city were slightly injured when a bolt struck their house. The home sustained minor damage.
El Paso County, Black Forest	11	1245MST			0	0	4	0	Lightning Lightning started an electrical fire in Black Forest, damaging one home.
Weld County, Greeley	11	2045MST			0	2	0	0	Lightning Lightning injured a 17 year old boy and a girl of the same age; they were sitting under a tree which was struck. They were hospitalized with burns on their legs; the boy's shoe was split open.
Yuma County	15	morning			0	0	0	3	Freeze An unusually late freeze caused minor damage to corn in some areas of Yuma County.



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

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					KILLED	INJURED	PROPERTY	CROPS	
<b>COLORADO</b>									
Otero County, La Junta	19	1443MST			0	0	4	0	Tstm. Winds Thunderstorm microbursts downed nine power poles just northeast of La Junta, causing 5 to 10 thousand dollars damage.
Crowley County, Ordway	19	1535MST			0	0	4	0	Tstm. Winds Thunderstorm microbursts knocked down 13 power poles west of Ordway.
Yuma County: 4S Yuma	19	1730MST			0	0	3	0	Tstm. Winds
Yuma	19	1730MST			0	0	4	0	Lightning A thunderstorm spawned lightning strikes causing power disruptions that damaged dozens of electrical appliances in Yuma. Four miles south of town, a microburst unroofed two sheds.
Moffatt County, Craig	20	1728MST			0	0	0	0	High wind (58) A strong cold front passage produced a wind gust of 67 mph at Craig.
Eagle County, Eagle	20	2010MST			0	0	0	0	High wind (52) The cold front brought a peak gust of 60 mph to Eagle.
Morgan County, Fort Morgan	21	0125MST			0	0	0	0	High wind (56)
Larimer County, 5 1/4 WNW Wellington	21	0530MST			0	0	0	0	High Wind (57)
Alamosa County, Alamosa	21	2009MST			0	0	3	0	High wind (46) Winds gusted to 53 mph at Alamosa. A tree was toppled and fell on a service line, severing it.
Northern, Central Mountains and Northeast Foothills CO2002-004-011-014	21-22				0	0	4	0	Snow An unseasonably cold weather system produced strong winds over much of northern Colorado, and snow fell at elevations as low as 7500 feet. Fifteen inches fell at the summit of Mount Evans in Clear Creek County, over 14 thousand feet above sea level. The Fairplay area in Park County received from 8 to 13 inches of snow. There were extensive power outages in Bailey, Park County and Conifer, Jefferson County due to fallen power lines that were severed by falling tree branches or the weight of the accumulating wet snow. The foothills from west of Colorado Springs northward to the area west of Denver received 1 to 6 inches of snow. The 6 inch total was measured at Conifer, in southern Jefferson County.
Yuma County, Idalia	24	1330-1600MST			0	0	5	5	Hail (2.75) Heavy Rain Hail up to baseball size pounded the Idalia area from 1330 to 1600MST, breaking windows and storm door glass. Baseball size hail was reported in the area at 1415 and again at 1530. The hail cut a swath 10 to 12 miles long through southern Yuma County, battering vehicles and mobile homes, and severely damaging roofs. It wiped out at least 320 acres of corn. The huge stones were accompanied by 3 to 6 inches of rain, which destroyed crops, drowned at least a dozen head of cattle, and sent the Republican River out of its banks, washing out a bridge and forcing closure of U.S. Highway 385 southeast of town. Numerous roads in the area were washed out. The river, normally sluggish and small, was 3/4 of a mile wide after the storm. The torrential downpour raised the level of Bonny Lake, a nearby reservoir, five feet. Total damage from the storm was at least \$250,000.
Arapahoe County, Byers	24	1500MST			0	0	4	0	Lightning A lightning strike caused a fire that burned 430 barrels of oil at a storage facility near Byers. Damage was estimated at \$8000.
Arapahoe County, Deer Trail	24	1521MST			0	0	0	0	Hail (1.75)
Washington County, 10 NW Akron	24	1540MST	0.5	25	0	0	0	0	Tornado (F1) A tornado was observed by a PROFS chase team 10 miles northwest of Akron.
Yuma County, Bonny Lake	24	1608MST			0	0	4	0	Hail (1.75) Golfball size hail at Bonny Lake caused considerable damage to vehicles.
Kit Carson County, Burlington	24	1630MST			0	0	4	0	Hail (1.75) Heavy Rain Golfball size hail in Burlington caused extensive damage to cars. 3 to 4 inches of rain fell with the hail, causing street and basement flooding and some sewer damage.
Washington County, Cope	24	1710MST			0	0	0	0	Hail (1.0)
<b>COLORADO</b>									
Arapahoe County, 14 SW Bennett	24	1830MST			0	0	0	0	Hail (1.75) Golfball size hail about 14 miles southwest of Bennett cut a swath 2 1/2 miles wide through open country. The storm also dropped 1.75 inches of rain on the area.
Arapahoe County, Bennett	24	1845MST			0	0	3	0	Hail (0.75) 3/4 inch hail damaged the car of an NWS storm chaser just south of Bennett.
Pueblo County, Pueblo	24	1917MST			0	0	0	0	High wind (52) A cold frontal passage produced a gust of 60 mph at Pueblo.
Morgan County, 5SW Fort Morgan	25	1505MST	0.5	25	0	0	0	0	Tornado (F1) A tornado was spotted about 5 miles southwest of Fort Morgan.
Weld County, 5SE Keenesburg	25	1511MST	0.5	25	0	0	0	0	Tornado (F0) A tornado touched down briefly 5 miles southeast of Keenesburg.
Adams County, 15N Strasburg	25	1530MST	0.2	25	0	0	0	0	Tornado (F1) A tornado was spotted in a field 15 miles north of Strasburg. It was on the ground for about a minute.
Morgan County, 5N Hoyt	25	1600MST			0	0	0	0	Hail (1.5)
Washington County, 15 NE Akron	25	1830MST			0	0	4	0	Heavy rain Hail Rain and hail in the northeastern corner of Washington County damaged roads and destroyed wheat crops. 2 1/2 to 5 inches of rain fell in two hours.
Bent County, 15 SW Las Animas	25	1830MST	0.8	50	0	0	3	0	Tornado (F1) A fairly large tornado touched down 15 miles southwest of Las Animas. It knocked down several trees and uprooted 23 fence posts.
Bent County, 15 SW Las Animas	25	1830MST			0	0	3	0	Tstm. winds Hail (2.5) Large hail fell near the above tornado, damaging pickup trucks and breaking skylights at a ranch. Large hail fell at several spots in Bent County evening of the 25th, causing spotty damage including broken windows, damaged gutters, and pummeled roofs. High winds associated with the thunderstorm downed two power poles near Las Animas.
Washington County, 10NW Akron	25	1834MST	0.5	30	0	0	0	0	Tornado (F1) A tornado 10 miles northwest of Akron was photographed by a storm chaser.
Bent County, 15 E Las Animas	25	1845MST	0.8	30	0	0	0	0	Tornado (F1) A tornado was photographed near Hasty, about 15 miles east of Las Animas.
Washington County, CO2012	25	evening			0	0	3	4	Hail Crops and vehicles were damaged by hail in southern Washington County.
Morgan County, 6S Wiggins	25	evening			0	0	0	5	Hail Hail damaged over 800 acres of beets in southwestern Morgan County. The stones battered 400 acres of corn and a lesser amount of wheat. The swath of damage was over 2 miles long.
Jefferson County: 5W Waterton	26	1140MST			0	0	0	0	Hail (1.0)
Kassler	26	1150MST			0	0	0	0	Hail (2.0)
Louviers	26	1220-1240MST			0	0	0	0	Hail (1.0)
Doubleheader 3S Tiny Town	26	afternoon			0	0	0	0	Hail (1.0) Hail (1.5)
El Paso County, Colorado Springs	26	1400MST			0	1	3	0	Lightning A man was slightly injured by lightning in Colorado Springs. Strikes caused many power outages in the city.
Larimer County, 10NW Fort Collins	26	1625MST			0	0	0	0	Hail (0.88)
Larimer County, Wellington	27	1606MST			0	0	0	0	Tstm. Wind (58)
Sedgwick County, Sedgwick	28	1611MST			0	0	0	0	Hail (1.5)
Weld County, Erie	28	1625MST			0	0	3	0	High winds Wind gusts destroyed a small building near Erie.

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<b>— COLORADO —</b>									
Phillips County CO2013	28	1700MST			0	0	4	7	Hail (0.5) Heavy rain
An intense storm of pea to marble size hail devastated farmland in Phillips County. 92,000 acres of crops were destroyed or damaged; 42,000 acres each of wheat and corn, 7,000 acres of beans, and 800 acres of oats. The north-central and east-central parts of the county were hardest hit. 2 to 4 inches of rain washed out some dirt roads and fences. Minor property damage occurred in the town of Holyoke. Total damage was estimated at 10 million dollars.									
Morgan County, Brush	29	1540MST			0	0	0	0	Hail (1.75)
Cheyenne County, Kit Carson	29	1630MST			0	0	4	0	Hail (4.5) Softball size hail was reported in the Kit Carson area; numerous cars were damaged.
Bent County, 15 E Las Animas	29	evening			0	0	4	5	Hail (2.75) Hard, baseball size hail bombarded central Bent County in the Hasty-Caddoa area. Corn, hay, and wheat crops were destroyed. Many windows were broken; roofs were damaged, and cars were dented as if they had been clobbered with a ball peen hammer.
Kiowa County, Eads	29	1700MST	1.0	30	0	0	0	0	Tornado (F1) Hail Heavy rain
A tornado formed just east of Eads and moved away from town toward the northeast. The thunderstorm that spawned the twister also produced hail that destroyed crops, and heavy rain washed out many dirt roads and caused local street and basement flooding in the town.									
Prowers County, 10 NW Lamar	29	1730MST			0	0	0	5	Hail (1.0) Heavy rain
The Kit Carson-Eads storm moved south into the north-western corner of Prowers County, dropping 1 inch hail and dumping 4 to 5 inches of rain. Wheat, hay, alfalfa, and milo suffered hail and water damage, and some minor roads were washed out.									
Kit Carson County, Stratton	30	1500MST			0	0	0	0	Hail (1.75)
Morgan County, Brush area	30	1740MST			0	0	5	6	Hail (4.50) Heavy Rain Tstm. Winds
Hailstones as large as softballs fell 3 1/4 miles north of Brush and broke 16 windows in one house alone. Large hail fell in a swath 3 to 4 miles wide and equally long through 22,000 acres of crops north of Brush, battering wheat, corn, alfalfa, beans and sugar beets. The hail damaged farmhouse roofs and broke car windshields. South of Brush, up to 5 inches of rain fell, washing out culverts. Strong thunderstorm winds in the Brush area downed power lines and cottonwood trees, and blew over a granary.									
Dolores and Montezuma Counties CO2007	April-June				0	0	0	6	Drought
Virtually no moisture fell in Dolores and Montezuma counties for three months. The ensuing drought destroyed at least 15,000 acres of alfalfa and also damaged wheat. Crop damage was estimated at 1.5 million dollars.									
<b>6 CONNECTICUT</b>									
Fairfield and New Haven Counties	01	0645EST- 0730EST			0	0	4	0	Lightning
Lightning struck a house in Hamden and a garage in Ansonia. The house had only minor damage but the garage was almost completely destroyed by the fire which resulted. Several thousand electric customers lost service in the area.									
Litchfield, Hartford and Tolland Counties	02	1330EST- 1500EST			0	0	5	0	Lightning
A line of thunderstorms moved first into Litchfield County and then on to the east and southeast bringing with it squally winds recorded up to 48 MPH at Bradley International Airport in Windsor Locks. Power outages affecting up to 22,000 customers were caused mainly by lightning strikes. Hardest hit were Enfield and Rockville where up to 7,000 lost their electric service for several hours. A house was struck by lightning and a small attic fire resulted in Manchester.									
<b>— CONNECTICUT —</b>									
Litchfield County, Norfolk	02	1345EST- 1400EST			0	0	4	0	TSTM Winds (50 kts)
A severe thunderstorm, part of a line of thunderstorms moving through the area, brought wind gusts up to 60 MPH that knocked down trees and tree limbs, resulting in scattered power outages and property damage.									
<b>7 DELAWARE</b>									
New Castle Co., Wilmington	2	1220EST			0	0	7	0	Thunderstorm Wind (45 kt)
	2	1220EST			0	3	7	0	Lightning
A thunderstorm produced heavy rain and lightning. Three men, aged 32, 33 and 42, were injured by the lightning as they sat under a tree that was struck. Lightning also short-circuited the emergency dispatch center.									
New Castle Co., Wilmington	7	1230EST			0	3	?	0	Flash Flood
Several creeks ran out of their banks due to heavy rains. Basements were flooded, and a number of cars stalled out. Twelve intersections were reported swamped. Three teenage girls were rescued from a creek after they had been swept 1/4 mile. In the northern suburbs, 2.25 inches fell in 30 minutes.									
New Castle Co., Rockessin	9	1810EST	2.0	100	0	1	?	?	Tornado (F2)
A tornado destroyed 6 well-built houses and a school gym. Fifty-two houses were damaged, and one car was moved 100 feet. Many large pine trees were sheared off, and some were uprooted; altogether 50 to 60 trees were knocked down. There was 1 minor injury; damage estimates are "in the millions."									
Kent Co., Dover	15	1915EST			0	0	?	?	Thunderstorm Wind (57 kt)
Trees and telephone lines were reported down in a large area from Hartley to Dover, and from Hazletville to Clayton, both in the north portions of Kent County. Hail was also reported in Leipsic.									
Kent and New Castle Counties	23	0830EST			0	0	?	0	Lightning
There were 15 reports of lightning strikes in the counties; a major fire was started by lightning at a construction company in Newark at 0830EST. Approximately 16,700 customers were without power.									
DE2003 Northern Delaware	23	0900EST			0	0	?	?	River Flooding
The Cooches Bridge gage on the Christina River peaked at 11.2 feet at 1200EST; flood stage is 9.0 feet. The river fell below flood stage by 1800EST that evening. Many roads were flooded out for a time due to high water in Newark and Delaware City. Four trailers were damaged by water in Delaware City, and there were many reports of basement flooding in Newark. There were reports of up to 2 inches an hour rainfall.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	

## 8 FLORIDA

Monroe County, 7N Key West	02	1821EST			0	0	0	0	Waterspout
A waterspout was observed by an NWS employee.									
Duval County, 2NW Whitehouse	05	1224EST	short ?		0	0	0	0	Tornado (FO)
The sheriff reported a brief tornado touchdown.									
Duval County, Jacksonville	05	1234- 1535EST			0	1	3	0	Lightning Funnel Clouds Waterspout
A sailor was injured by a lightning strike that also knocked bricks onto a car. Three funnel clouds were sighted.									
Putnam County, Hollister	05	1355EST			0	0	0	0	Funnel Cloud
A funnel cloud was spotted from a Forestry Department aircraft.									
Clay County, Orange Park	05	1505EST			0	0	0	0	Funnel Cloud
St. Johns County, Fruit Cove	05	1505EST			0	0	0	0	Hail (0.75) TSTM Wind
A funnel cloud over the St. Johns River near Orange Park and 3/4 inch diameter hail accompanied by wind gusts to 50 mph near Fruit Grove were reported by a newspaper.									
Hendry County, La Belle	05	1730EST	short ?		0	0	2	0	Tornado (FO) Hail (1.75)
The sheriff reported a brief tornado touchdown and golfball size hail. Minor damage was done to mobile homes.									
Citrus County, 15W Crystal River	06	1045EST			0	0	0	0	Waterspout
A brief waterspout occurred near a nuclear power plant.									
Pinellas County, Clearwater	06	1105EST			0	0	4	0	TSTM Wind (60)
Thunderstorm wind gusts did \$20,000 in damage to a stadium and minor damage to homes.									
Pasco County, New Port Richey	06	1130EST	0.3	75	0	0	5	0	Tornado (F1)
A tornado touched down twice doing \$75,000 in damage. The second floor of a house was destroyed and several other homes sustained minor damage.									
Putnam County, 10W Interlochen	06	1155EST			0	0	0	0	Funnel Clouds
The sheriff reported two funnel clouds.									
Volusia County, Daytona Beach	07	1215EST			0	0	0	0	TSTM Wind (58)
Wind gusts to 65 mph were reported.									
Orange County, Orlando	07	1400EST			0	1	0	0	Lightning
A 12 year old boy who was taking cover under a tree was critically injured by lightning.									
Okaloosa County, Shalimar	07	2045EST	? ?		0	0	3	0	Tornado (FO) TSTM Wind (50)
A brief tornado was spotted by a policeman and a car was damaged by a falling tree.									
Escambia County, Pensacola	08	0538EST			0	0	0	0	TSTM Wind (57)
Winds to 65 mph were reported at the Naval Air Station.									
Escambia County, Pensacola	08	0606EST	short ?		0	0	5	0	Tornado (FO)
A tornado tore the roof off of a supermarket, resulting in 75 to 80 thousand dollars in damage.									
Santa Rosa County, Gulf Breeze	08	0630EST			0	0	0	0	TSTM Wind (50)
Numerous trees were downed.									
Bay County, Panama City	08	0746EST	short ?		0	0	0	0	Tornado (FO)
A tornado was observed north of the city.									
Escambia County, Pensacola	08	0940EST			0	0	5	0	TSTM Wind (60)
Several businesses were damaged as were cars at a dealership, resulting in \$50,000 in damage.									
Santa Rosa County, Pace	08	1000EST			0	0	0	0	TSTM Wind (50)
Numerous trees were downed.									
Escambia County, SSE Pensacola	08	1000EST	? ?		0	1	4	0	Tornado (F1)
A park ranger was injured when blown 40 feet as the entrance station to the Gulf Islands National Seashore was completely demolished by a tornado. Damage in the value of \$35,000 was done.									
Escambia County	08	1020EST			0	0	0	0	TSTM Wind (50)
	08	1115EST			0	0	0	0	TSTM Wind (50)
	08	1230EST			0	0	0	0	TSTM Wind (50)
	08	1430EST			0	0	0	0	TSTM Wind (50)
	08	1800EST			0	0	0	0	TSTM Wind (50)
	08	1945EST			0	0	0	0	TSTM Wind (50)
Numerous trees were blown down throughout southern Escambia County at various times during the day.									

## FLORIDA

Santa Rosa County, Navarre	08	1048EST			0	0	4	0	TSTM Wind (65)
Seven mobile homes and a nursery were damaged and trees were downed.									
Santa Rosa County, southern portion	08	1135EST			0	0	0	0	TSTM Wind (50)
Trees were downed.									
Walton County, Knox Hill	08	1255EST			0	0	3	0	TSTM Wind (50)
Trees and utility poles were downed.									
Okaloosa County: Niceville	08	1330EST			0	0	0	0	TSTM Wind (50)
Crestview	08	1355EST			0	0	0	0	TSTM Wind (50)
Trees were downed at both locations.									
Okaloosa County, Valparaiso	08	1400EST	short ?		0	0	5	0	Tornado (FO)
A tornado touched down briefly at Eglin Air Force Base and caused \$300,000 in damage to buildings.									
Brevard County, Meritt Island	08	1500EST			0	0	4	0	TSTM Wind (60)
Thunderstorm winds did \$10,000 in damage to the roof of a home.									
Okeechobee County, Okeechobee	08	1600EST			0	0	4	0	TSTM Wind (60)
Severe damage was done to a house, signs, fences and trees.									
Franklin County, Eastpoint	08	1630EST	short ?		0	0	0	0	Waterspout- Tornado (FO)
	08	1630EST			0	0	0	0	Waterspouts
Up to six waterspouts were sighted; one became a tornado as it moved ashore and downed trees.									
Franklin County, Eastpoint	08	1700- 1740EST	3.0	300	3	4	6	?	Waterspout- Tornado (F2)
A waterspout moved northeastward onto shore from Apalachicola Bay and as a tornado, crossed Magnolia Bluff and then passed through Eastpoint before dissipating. Three people, two of whom had taken refuge from a nearby mobile home, were killed when thrown 500 feet from the frame house they were in which was completely demolished. The total damage done by the tornado was valued at \$4.5 million. The tornado damaged or destroyed 27 houses, mobile homes and businesses, and a dozen vehicles and boats. Sixty acres of trees were destroyed as well. M16P, F33P, F50P.									
Franklin County, Carabelle	08	1705EST	short ?		0	0	0	0	Waterspout- Tornado (FO)
A waterspout moved on shore and dissipated after being a tornado for only a very short time.									
Santa Rosa County, Pace	08	1739EST			0	0	4	0	TSTM Wind (60)
A house was damaged and tree uprooted by thunderstorm winds.									
Wakulla County, Sopchoppy	08	1830EST	1.0	30	0	1	4	0	Tornado (F1)
A tornado demolished a home and barn and damaged three other homes. One woman in the home was injured. The tornado lifted a horse from a field and deposited it in a swimming pool.									
Santa Rosa, Holmes, Washington and Walton Counties	08- 09	1900EST- 1700EST			0	0	6	0	Flood
Several rivers and streams including the Blackwater River, Coldwater Creek and the Choctawhatchee River flooded and caused \$2 million in damage. Two hundred people were evacuated and 22 homes and 7 businesses were damaged.									
Santa Rosa County, Berrydale	08	1930EST			0	0	0	0	TSTM Wind (50)
Trees were downed by thunderstorm winds.									
Walton County, Mossey Head	08	2000EST			0	0	4	0	TSTM Wind (55)
A house suffered \$15,000 in damage.									
Okaloosa County, Crestview	09	0045EST			0	0	0	0	TSTM Wind (50)
Trees were downed.									
Leon County: Tallahassee	09	0830EST	short ?		0	0	0	0	Tornado (FO)
Tallahassee	09	0855EST	short ?		0	0	0	0	Tornado (FO)
Tallahassee	09	0935EST	short ?		0	0	0	0	Tornado (FO)
Three separate tornadoes were observed by the sheriffs department personnel and NWS employees at different times and in different areas near Tallahassee.									
Taylor County Perry	09	1300EST			0	0	3	0	TSTM Wind (50)
The roofs of three houses were damaged, as were mobile homes and outbuildings.									
Clades County, Buckhead Ridge	09	1730EST	short ?		0	0	4	0	Tornado (FO)
A mobile home roof was twisted off and trees were uprooted. Buckhead Ridge is in the northeast part of the county.									
Hendry County, Clewiston	09	1900EST			0	0	3	0	TSTM Wind (55)
Trees were uprooted and signs were blown down.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

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					KILLED	INJURED	PROPERTY	CROPS	
<b>FLORIDA</b>									
Franklin County, Carabelle	10	0955-1020EST	12	?	0	0	0	0	Tornado (F0)
									A forest ranger in a tower observed a tornado moving through a forest for 25 to 30 minutes for an estimated distance of 12 miles.
Wakulla County, Sopchoppy	10	1021EST	short	?	0	0	0	0	Tornado (F0)
									Two brief tornados observed.
Wakulla County, western portion	10	1100EST			0	0	0	0	Funnel Clouds
									Several funnel clouds were reported in western Wakulla County.
Polk County, Lake Alfred	10	1550EST	short	?	0	0	4	0	Tornado (F0)
									A tornado did roof damage to three houses.
Polk County, Lakeland	10	1600EST	short	?	0	0	2	0	Tornado (F0)
									A tornado did minor property damage.
Columbia County, Lake City	12	1500EST			0	0	0	0	TSTM Wind (50)
									Trees were downed by thunderstorm winds.
Escambia County, Pensacola	15	0900EST			0	0	0	0	TSTM Wind (50)
									Trees were downed by thunderstorm winds.
Hernando County, 2N Brooksville	15	1700EST			0	0	0	0	TSTM Wind (50)
									Trees were downed by thunderstorm winds.
De Soto County, 4E Arcadia	15	1703EST	.25	10	0	0	4	0	Tornado (F0)
									A tornado did roof damage to six mobile homes, and awnings were damaged on 12 others. Also, trees and power lines were downed.
Citrus County, Floral City and Gospel Island	15	1725EST			0	0	4	0	TSTM Wind (50)
									Several trees were downed onto mobile homes.
Highlands County, Lake Placid	15	1750EST			0	0	4	0	Hail (1.00) TSTM Wind
									Dime to quarter size hail was reported. Trees were downed and a large sign was damaged.
Polk County: Mulberry Lakeland	15	1825EST			0	0	3	0	TSTM Wind (50)
	15	1845EST			0	0	0	0	Hail (0.75)
									Trees were downed and a shed roof was blown off at Mulberry. Dime size hail fell at Lakeland.
Putnam County: Orange Springs Florahome	15	1928EST	short	?	0	0	4	0	Tornado (F0)
	15	1934EST	short	?	0	0	4	0	Tornado (F0)
									A thunderstorm spawned two small tornadoes in Putnam County. Extensive tree damage was done, as was \$7000 in damage to a roof. Marble size hail accompanied the tornadoes.
St. Johns County, northern portion	15	1935-2030EST			0	0	0	0	TSTM Wind
									Numerous trees were downed.
Duval County, Jacksonville	15	1945EST			0	0	0	0	TSTM Wind (50)
									Trees were downed. Small hail accompanied the winds.
Jackson County, 3S Graceville	16	0926EST	short	?	0	0	0	0	Tornado (F0)
									Trees were uprooted by a brief tornado.
Wakulla County, Otter Creek	16	1020EST	1.0	50	0	0	4	0	Tornado (F1)
									A tornado lifted a mobile home 20 feet into the air and completely destroyed it.
Taylor County, Ferry	16	1200EST			0	0	4	0	TSTM Wind (60)
									The roof of a factory was torn off and a tractor-trailer was flipped by thunderstorm winds. Damage was valued at \$10,000.
Washington County, 4NE Chipley	16	1400EST			0	0	4	0	TSTM Wind (65)
									A barn was destroyed and trees were downed.
Citrus County, Inverness	16	1500EST			0	0	4	0	TSTM Wind (70)
									Store front and window damage was done to a shopping plaza. Trees, power lines and traffic signals were downed.
Alachua County, Gainesville	16	1500EST			0	0	4	0	TSTM Wind (60)
									Numerous trees were downed and damage was done to a house roof and a car.
Hernando County, Brooksville	16	1645EST			0	0	0	0	Hail (0.75)
					0	0	0	0	TSTM Wind (50)
									Dime size hail fell and thunderstorm winds downed trees at Brooksville.
Franklin County, Eastpoint	16	1745EST			0	0	0	0	Hail (0.75)
									Three-quarter inch diameter hail was reported by an NWS employee.

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					KILLED	INJURED	PROPERTY	CROPS	
<b>FLORIDA</b>									
Hernando County, northeast portion	16	1750EST			0	0	0	0	TSTM Wind (50)
									Numerous trees were downed along Highway 41.
Pasco County, Dade City	16	1800EST			0	0	0	0	TSTM Winds (60)
									Numerous trees were downed.
Marion County, Ocala	18	1400EST			0	0	0	0	TSTM Wind (55)
									Numerous trees were downed.
Highlands County, near Avon Park	18	1440EST	short	?	0	0	0	0	Tornado (F0)
									The sheriff reported that a tornado touched down for 10 seconds.
Hillsborough County, Tampa	18	1645EST			0	0	0	0	Hail (1.25)
									Mothball size hail was reported.
Charlotte County, Northport	18	1645EST			0	0	0	0	Hail (0.88)
									Nickel size hail was reported.
Lee County, Sanibel Island	18	1650EST			0	0	0	0	Waterspout
Lafayette County, 3N Mayo	18	1708EST			0	0	0	0	Hail (0.75)
					0	0	3	0	TSTM Wind (60)
									A mobile home roof was blown off and marble size hail fell.
Sarasota County, Venice	18	1715EST			0	0	3	0	TSTM Wind
									A mobile home roof was damaged.
Lee County, Fort Myers	18	1730EST			0	0	3	0	TSTM Wind (50)
									A porch enclosure was blown two blocks by thunderstorm winds.
Pinellas County, Clearwater	18	1730EST			0	0	4	0	TSTM Wind (55)
									A large sign was blown onto a car, causing \$15,000 in damage.
Collier County, northern portion	18	1838EST			0	0	3	0	TSTM Wind (50)
									Street signs were blown down.
Leon County: Tallahassee Tallahassee Tallahassee	19	1112EST			0	0	4	0	TSTM Wind (60)
	19	1145EST							Hail (0.75)
	19	1415EST							Hail (0.75)
									Strong winds tore the roof off of a hangar and flipped two small aircraft at the airport. Hail fell and trees were downed in northern Tallahassee.
Manatee County, Ellenton	19	1610EST			0	0	3	0	TSTM Wind (50)
									A porch roof was blown off by thunderstorm winds.
Sarasota County, Venice	19	1700EST			0	0	0	0	Hail (1.75)
									Golfball size hail was reported.
Pasco County	19	1750EST			0	0	0	0	Funnel Clouds
									Several funnel clouds were sighted in Pasco County.
Pinellas County, Clearwater	19	1830EST			0	0	0	0	Waterspout
Polk County, Brewster	20	1525EST	short	?	0	0	4	0	Tornado (F0)
									A tornado snapped 12 telephone poles off at mid height.
Putnam County, Palatka	20	1632EST			0	0	5	0	Lightning
									A house was completely destroyed by a lightning-initiated fire.
Hernando County, (location unknown)	20	1700EST			0	0	0	0	TSTM Wind (50)
									Trees were downed.
Citrus County, Inverness	20	1700EST			0	0	0	0	TSTM Wind (50)
									Trees were downed.
Brevard County, Cocoa Beach	21	1125EST			0	0	0	0	Funnel Clouds
									Funnel clouds were sighted.
Pinellas County, Floral City	21	1900EST			0	0	3	0	Lightning
									A show horse valued at \$3700 was killed by lightning.
Escambia County, Pensacola	22	1435EST	short	?	0	0	0	0	Tornado (F0)
									A tornado was observed just west of the airport.
Lee County, Cape Coral	22	1520EST			0	0	3	0	TSTM Wind (55)
									A screened enclosure was blown away by thunderstorm winds.
Hillsborough County, Tampa	22	1710EST			0	0	5	0	Lightning
									Damage valued at \$50,000 was done to the roof of the Sun Dome stadium.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

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					KILLED	INJURED	PROPERTY	CROPS	
<b>FLORIDA</b>									
Monroe County, Cudjoe Key	23	1025EST			0	0	0	0	Waterspout
An Air Force person observed a waterspout.									
Dade County, 2E Miami Beach	23	1041EST			0	0	0	0	Waterspout
A waterspout was observed by the Florida Marine Patrol.									
Dade County, SNE Miami Beach	24	0540EST			0	0	0	0	Waterspout
Hillsborough County, Tampa Bay	24	1645EST			0	0	0	0	Waterspout
A waterspout was observed over Tampa Bay.									
Monroe County, Cudjoe Key	25	1103EST			0	0	0	0	Waterspout
An Air Force person observed a waterspout over Florida Bay.									
Monroe County, Cudjoe Key	26	1206EST			0	0	0	0	Waterspout
A waterspout was reported by the public.									
Dade County, 10E Miami	27	0645EST			0	0	0	0	Waterspout
A waterspout was reported by a pilot.									
Palm Beach County, Boca Raton	28	1230EST			1	1	0	0	Lightning
One construction worker was killed and another critically injured by lightning while they were working on the roof of a house. M320.									
Hillsborough County, Tampa	28	1315EST			0	1	0	0	Lightning
A college student was struck by lightning while bicycle riding.									
Pinellas County, Clearwater	29	0450EST			0	0	0	0	Waterspout
A waterspout was observed in the Gulf of Mexico.									
Pinellas County, St. Petersburg	30	1400EST			0	0	4	0	Lightning
A \$20,000 sailboat was completely destroyed after a lightning-initiated fire.									
Dade County, Coral Gables	30	1445EST			0	0	0	0	TSTM Wind (50)
Wind gusts near 60 mph downed trees and signs.									
<b>9 GEORGIA</b>									
CHATTOOGA COUNTY, Gore	01	1115EST			0	0	?	?	TSTM Wind
Thunderstorm winds tore the entire tin roof from a barn and scattered debris southwest from the barn into pastureland and to the adjacent farm. Several fences were damaged by the flying debris. A number of trees were blown down on the property and the adjacent farm.									
DEKALB COUNTY, Doraville	01	1643EST			0	0	0	0	Hail (.75)
DEKALB COUNTY, Dunwoody	01	1643EST			0	0	0	0	Hail (1.50)
CRAWFORD COUNTY, Knoxville	01	1700EST			0	0	?	?	TSTM Wind
HENRY COUNTY, McDonough	01	1730EST			0	0	4	0	Lightning
Lightning struck a house built as a construction project by students. The lightning struck the housetop at one end and traveled down inside the wall through the wiring. The ensuing blaze did severe damage to the roof, one wall, a bedroom, and a bath.									
HENRY COUNTY, McDonough	01	1730EST			0	0	2	0	TSTM Wind
Winds from the thunderstorm caused minor damage to a ticket booth at the Henry County Stadium.									
MURRAY COUNTY, Chatsworth	02	1305EST			0	0	?	?	TSTM Wind
Scattered trees were blown down or broken. One tree fell upon an automobile and caused considerable damage.									
COWETA COUNTY, Newnan	02	1524EST			0	0	?	0	Lightning
A fire caused by lightning damaged a camper and a nearby house. The lightning struck a tree on the property then traveled to the camper. The blaze from the camper spread the fire to a house about 10 feet away.									
<b>GEORGIA</b>									
HENRY COUNTY, McDonough	02	1530EST			0	0	?	?	TSTM Wind
PULASKI COUNTY, 9S Hawkinsville	02	1620EST			0	0	?	?	TSTM Wind
Scattered trees and power poles were broken by thunderstorm winds along Highway 129. Small hail developed with the storm.									
DOOLY COUNTY, Vienna	02	1625EST			0	0	0	?	Hail (1.00)
DOOLY COUNTY, Vienna	02	1625EST			0	0	?	?	TSTM Wind
Scattered trees and tree limbs were down on power lines just east of Vienna.									
EFFINGHAM COUNTY, Clyo	03	1945EST			0	0	?	?	TSTM Wind
Several trees were uprooted and a roof was partially blown off a house by thunderstorm winds.									
CHATTOOGA COUNTY, Summerville	05	1240EST			0	0	?	?	TSTM Wind
CHATTOOGA COUNTY, Menlo	05	1240EST			0	0	?	?	TSTM Wind
Numerous trees were broken or uprooted across the county. At Summerville, power lines and trees broken by the winds caused brief electrical outages in the city and also in the J. H. Floyd State Park near Summerville.									
BARROW COUNTY, 2S Winder	05	1440EST			0	0	?	?	TSTM Wind
Large trees were uprooted and the thunderstorm produced small hail as the cluster of storms passed over Fort Yargo State Park.									
WALTON COUNTY, 1N Campton	05	1440EST			0	0	?	?	TSTM Wind
Large trees were uprooted and the thunderstorm produced small hail as the storm cluster moved over Walton County.									
HALL COUNTY, Chestnut Mountain	05	1445EST			0	0	?	0	TSTM Wind
Large tree limbs were broken by thunderstorm winds. The limbs tore down power lines around Chestnut Mountain. Small hail also developed with this storm.									
JACKSON COUNTY, BNW Jefferson	05	1500EST			0	0	?	?	TSTM Wind
WHITE COUNTY	05	1505EST			0	0	?	?	TSTM Wind
Scattered large trees were blown down by winds in excess of 50 miles an hour across White County.									
DEKALB COUNTY, Decatur	05	1530EST			0	0	0	0	Funnel Cloud
FRANKLIN COUNTY, Royston	05	1530EST			0	0	?	?	TSTM Wind
Thunderstorm winds caused trees to fall onto houses. Trees on carports of residences also damaged automobiles. A shopping center also received wind damage in the storm.									
BANKS COUNTY, 10NNE Bomer	05	1530EST			0	0	?	?	TSTM Wind
LUMPRIN COUNTY, Dahlonega	05	1535EST			0	0	?	?	TSTM Wind 53
Scattered large trees were blown down by winds around 60 miles an hour.									
HABERSHAM COUNTY, 1N Clarkesville	05	1545EST			0	0	?	?	TSTM Wind
Scattered large trees fell down upon power lines due to thunderstorm winds.									
LAURENS COUNTY, Cedar Grove	05	1600EST			0	0	?	0	TSTM Wind
Thunderstorm winds toppled or destroyed nineteen aluminum storage buildings on a lot in Cedar Grove. The winds swept debris as far as one-quarter mile from the lot. Several trees and numerous power lines were broken by the winds.									
STEPHENS COUNTY, Toccoa	05	1610EST			0	0	?	?	TSTM Wind
Scattered large trees tore power lines as they fell due to straight-line thunderstorm winds.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>— GEORGIA —</b>									
CLAYTON COUNTY Jonesboro	06	1710EST			0	0	0	0	Hail (.75)
FAYETTE COUNTY Peachtree, City	06	1745EST			0	0	4	0	Lightning
					Numerous lightning strikes occurred as thunderstorms moved across Fayette County. Several homes were struck, causing damage to structures and appliances. Pea size hail occurred with the storm over north Fayette County.				
BAKER COUNTY 175 Albany	08	1810EST			0	0	?	?	TSTM Wind
					Thunderstorm winds uprooted trees around Pineland Plantation about 2 miles south of the Dougherty-Baker county line. One home's roof was extensively damaged.				
DOUGHERTY COUNTY Albany	08	1858EST			0	0	?	?	TSTM Wind
COLQUITT COUNTY Hartsfield	08	1920EST			0	0	?	?	TSTM Wind
	08	1925EST			0	0	?	?	TSTM Wind
	08	1935EST			0	0	?	?	TSTM Wind
	08	1940EST			0	0	?	?	TSTM Wind
					Trees and power lines were downed by thunderstorm winds as a storm complex moved across northwest Colquitt County. The thunderstorm complex traveled northeast toward Tift County. Thunderstorm winds damaged several mobile homes. In the Rose Hill community around Hartsfield, one farmer lost a tobacco harvester, a section of fencing, the roof of a barn, and part of his tobacco and pecan crops. Also around Hartsfield, several hundred gallons of propane gas leaked when bulk tobacco barn tanks were ruptured by the storm. At Moultrie, minimal damage occurred from fallen trees.				
MITCHELL COUNTY Pelham	08	1945EST			0	0	4	?	TSTM Wind
					Thunderstorm winds damaged numerous trees as the storm complex moved southeast across Pelham. Broken trees downed power lines and caused structural damage at several homes. Winds destroyed a few smaller outbuildings.				
MITCHELL COUNTY 2S Pelham	08	1950EST	1.0	50	0	0	4	?	Tornado (F1)
					A small tornado developed over a field near Chickasaw Lake and was first sighted by a policeman traveling along the lake. The tornado was sighted again as it moved a half mile across farmland toward a mobile home. Although the mobile home was not directly in the path of the tornado, the trailer and its contents were severely damaged when a tree fell through its roof. Along its path, the tornado damaged mostly trees and crops. In one large yard alone, 25 to 30 trees were either uprooted or snapped.				
TIFT COUNTY Omega	08	1950EST			0	0	?	?	TSTM Wind
					Thunderstorms moved from Colquitt County into Tift County. At Omega, thunderstorm winds were strong enough to flip a mobile home but no injuries occurred. The winds hurled a tree limb through a front window, tore metal siding and roofing off a warehouse, and also damaged crops and power lines. Six to eight large pecan trees were uprooted.				
TIFT COUNTY 5SW Tifton	08	2005EST			0	0	?	?	TSTM Wind
	08	2015EST			0	0	?	?	TSTM Wind
	08	2030EST			0	0	?	?	TSTM Wind
					Trees were broken and uprooted while crops and power lines were damaged by thunderstorm winds.				
BERRIEN COUNTY Nashville	08	2040EST			0	0	?	?	TSTM Wind
COFFEE COUNTY Ambrose	08	2045EST			0	0	?	?	TSTM Wind
					A small house sustained severe damage from the winds. Several trees were uprooted.				
LAURENS COUNTY Dublin	08	2115EST			0	0	?	0	TSTM Wind
LOWNDES COUNTY ZONE Valdosta	09	0840EST			0	0	0	0	Funnel Cloud
	09	1000EST			0	0	0	0	Funnel Cloud
					2SW Moody Air Force Base				
TELFAIR COUNTY Jacksonville	09	1030EST			0	0	0	0	Funnel Cloud
GRADY COUNTY 15S Pelham	09	1930EST			0	0	?	?	TSTM Wind
TIFT COUNTY 5SW Tifton	09	1930EST			0	0	?	?	TSTM Wind
<b>— GEORGIA —</b>									
DECATUR COUNTY Bainbridge	11	1658EST			0	0	4	0	Lightning
					Lightning struck the roof of a home and started a blaze. The blaze spread into the house and caused considerable structural damage and damage to the home's contents.				
MUSCOGEE COUNTY Columbus	11	1733EST			0	0	?	0	TSTM Wind
					Thunderstorm wind gusts reached 52 miles per hour at the Columbus Airport. The wind blew trees and limbs onto power lines in some parts of the city. Some houses, businesses, and cars suffered damage, mainly from fallen trees.				
WINNETT COUNTY Duluth	13	0830EST			0	0	?	0	TSTM Wind
	13	0830EST			0	0	?	0	TSTM Wind
					Scattered trees were blown down and roofs were damaged by downburst thunderstorm winds.				
DOOLY COUNTY Lilly	13	1530EST			0	0	?	?	TSTM Wind
					At Lilly, downburst winds destroyed an outbuilding. Scattered trees were uprooted at Lilly and across Dooly County.				
SPALDING COUNTY Griffin	13	1910EST			0	0	0	0	Hail (1.00)
DOUGHERTY COUNTY Albany	14	1630EST			0	0	?	?	TSTM Wind
FULTON COUNTY Atlanta	14	1724EST			0	0	5	0	TSTM Wind 52
					Trees, some with diameters up to one foot, were uprooted or broken in several areas of Atlanta, ripping down telephone and power lines and causing damage to homes and cars. One large hardwood fell upon a house and leveled the kitchen and the bathroom. Thunderstorm winds ripped the awning off a large downtown hotel and tore roofing from several buildings. The fallen awning severely damaged the taxicab that it landed upon.				
FULTON COUNTY East Point	14	1730EST			0	0	4	0	TSTM Wind
					Thunderstorm winds ripped a portion of the roofing from a pizzeria and damaged several customers' cars in the parking lot.				
WINNETT COUNTY Norcross	14	1740EST			0	0	?	0	TSTM Wind
	14	1745EST			0	0	?	0	TSTM Wind
	14	1750EST			0	0	?	0	TSTM Wind
					A gust front produced winds that uprooted or damaged many trees and signs. The winds caused structural damage and electrical outages to homes and businesses across the area. The trees caused damage to a few automobiles. In Norcross, high winds blew a satellite dish and its metal stand onto a parked car. In Lilburn, a man was hit by a tree while driving but had no injuries.				
WINNETT COUNTY Norcross	14	1745EST			0	0	?	0	Lightning
					Lightning strikes caused electricity outages that lasted into early Thursday morning in several areas.				
CLAYTON COUNTY Jonesboro	14	1745EST			0	0	?	0	TSTM Wind
					Winds caused minor tree damage across the county. An uprooted tree caused substantial damage to one home in Jonesboro.				
DEKALB COUNTY IANNE Atlanta	14	1749EST			0	0	?	0	TSTM Wind
	14	1751EST			0	0	?	0	TSTM Wind
	14	1753EST			0	0	?	0	TSTM Wind
WINNETT COUNTY Norcross	14	1755EST			0	0	0	0	Funnel Cloud
HENRY COUNTY 2E Stockbridge	14	1800EST			0	0	?	0	TSTM Wind
CHEROKEE COUNTY Canton	14	1830EST			0	0	?	0	Hail (.75)
FULTON COUNTY East Point	14	1830EST			0	0	?	0	Lightning
					Lightning struck a metal utility pole and arced into a gas main, starting a large gas-fed fire that burned to just after 2300EST. About 150 nearby homes were evacuated but no injuries occurred.				

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

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					KILLED	INJURED	PROPERTY	CROPS		
<b>GEORGIA</b>										
HALL COUNTY Lake Sidney Lanier	15	0215EST			0	0	?	0	TSTM Wind	Trees and power lines were damaged by winds along the lake.
WHITE COUNTY 7SE Cleveland	15	0220EST			0	0	?	?	TSTM Wind	Most of the wind damage occurred over southeast White County. There, scattered trees were uprooted near Georgia Highway 254.
TOWNS COUNTY Lake Catuge	15	0220EST			0	0	?	0	TSTM Wind 52	Several boat docks were damaged by thunderstorm winds.
HABERSHAM COUNTY 4E Mount Airy	15	0230EST			0	0	?	?	TSTM Wind	Thunderstorm winds blew trees down onto power lines and small hail developed with the thunderstorm.
CHEROKEE COUNTY 10E Canton	15	0830EST			0	0	?	?	TSTM Wind	Winds felled three large hardwoods onto a farmer's home in the Macedonia community. Three chicken houses were destroyed; shutters were blown off the home's front windows.
MADISON COUNTY 3E Danielsville	15	1045EST			0	0	?	?	TSTM Wind	A chicken house was blown down by the winds and the roof was taken off a small utility building.
STEWART COUNTY 10SW Lumpkin	15	1200EST			0	0	?	?	TSTM Wind	
MONROE COUNTY 6W Forsyth	15	1310EST			0	0	?	?	TSTM Wind	
PEACH COUNTY Fort Valley	15	1340EST			0	0	?	?	TSTM Wind	Large trees were uprooted and small hail occurred.
BIBB COUNTY Macon	15	1400EST			0	0	?	0	TSTM Wind	In north Macon, a carport was blown off a home and large trees were blown down.
MORGAN COUNTY 5N Barwick	15	1400EST			0	0	?	?	TSTM Wind	
OCONEE COUNTY 8E Farmington	15	1400EST			0	0	?	?	TSTM Wind	Trees were broken or uprooted by the thunderstorm winds over southeast Oconee County, just east of Georgia Highway 15.
OGLETHORPE COUNTY 8W Stephens	15	1410EST			0	0	?	?	TSTM Wind	
JONES COUNTY 2E Haddock	15	1430EST			0	0	?	?	TSTM Wind	Power lines were blown down and one large tree was uprooted by thunderstorm winds. Small hail also occurred with this storm.
ELBERT COUNTY Bowman	15	1435EST			0	0	?	?	TSTM Wind	Trees were broken or uprooted by the storm and small hail occurred near Highway 172.
HART COUNTY Lake Hartwell	15	1445EST			0	0	?	0	TSTM Wind	Winds damaged boat docks on the lake and small hail occurred.
TWIGGS COUNTY Danville Jeffersonville	15	1445EST 15 1445EST			0	0	?	?	TSTM Wind TSTM Wind	Power lines and utility poles were snapped off by winds along Highway 129. Small hail also occurred with both storms.
TROUP COUNTY LaGrange	15	2130EST			0	0	0	0	Funnel Cloud	
MONTGOMERY Mount Vernon	16	1015EST			0	0	?	?	TSTM Wind	Thunderstorm winds caused damage to buildings, cars, and power lines due to uprooted or broken trees.
LOWMEDES COUNTY Valdosta	16	1152EST			0	0	?	?	TSTM Wind 53	
<b>GEORGIA</b>										
ECHOLS COUNTY Statenville	16	1210EST			0	0	?	0	TSTM Wind	Thunderstorm winds uprooted several trees and a school zone traffic light was damaged.
CLINCH COUNTY Homerville	16	1245EST			0	0	?	0	TSTM Wind	
WARE COUNTY 3N Waresboro Dixie Union	16	1300EST 16 1305EST			0	0	?	?	TSTM Wind TSTM Wind	Numerous trees were uprooted and power lines were torn down from Waresboro to Dixie Union.
COFFEE COUNTY 5NE Upton	16	1310EST			0	0	?	?	TSTM Wind	Several trees were uprooted and power lines were torn down. A mobile home was overturned between Upton and West Green.
APPLING COUNTY Baxley	16	1330EST			0	0	?	?	TSTM Wind	Scattered trees were uprooted and power lines were torn down at Baxley and also over the northeastern portion of the county.
WHEELER COUNTY Alamo	16	1330EST			0	0	?	?	TSTM Wind	
TATTNALL COUNTY 10S Reidsville	16	1340EST			0	0	5	0	TSTM Wind	Numerous trees, broken or uprooted by thunderstorm winds, caused damage to many homes, a few businesses, and cars in Tattnall County. Winds tore tin roofs and shingles from structures and broke utility poles. One church suffered extensive wind damage when a half-completed structure was destroyed. Over \$50,000 in losses were estimated from the new construction, along with near \$5,000 to clear the debris. Damage to the old sanctuary occurred when the new building fell. Including the wind damage to its roof, damage costs for the old sanctuary were near \$10,000.
CANDLER COUNTY Pulaski Excelsior Metter	16	1400EST 16 1405EST 16 1410EST			0	0	?	?	TSTM Wind TSTM Wind TSTM Wind	Numerous trees and utility poles and lines were broken over in large areas in Candler County. Winds did damage to crops, along with mobile and permanent homes. At Metter, three homes were damaged by wind-topped trees. One farmer estimated \$100,000 in damage to barns and sheds, his pecan orchard, and farm equipment. In a large yard at Metter, about twenty trees fell.
CANDLER COUNTY Metter	16	1415EST			0	0	?	0	Flash Floods	Local businesses had minor damage when they were flooded in downtown Metter. One building had damage from six inches of standing water and eight to ten inches of mud.
TATTNALL COUNTY Cobbtown	16	1415EST			0	0	?	?	TSTM Wind	
EVANS COUNTY 2W Bellville	16	1415EST			0	0	0	0	Funnel Cloud	A funnel cloud was reported near the Tattnall-Evans county line.
EVANS COUNTY Claxton	16	1415EST			0	0	?	0	TSTM Wind	
BULLOCH COUNTY 6NW Statesboro Statesboro	16	1415EST 16 1415EST			0	0	?	?	TSTM Wind TSTM Wind	The roof was torn off a house between Portal and Statesboro. Numerous trees were uprooted or broken and blocked roads in the area. Wind caused considerable damage to two schools in Statesboro. Falling trees damaged several cars and a few mobile and permanent homes. Although a few motorists were trapped by fallen trees, no injuries occurred. Thunderstorm winds blew a radio broadcast tower down, along with electrical power lines.
BULLOCH COUNTY Statesboro	16	1420EST			0	0	?	0	Flash Flood	Two buildings were damaged by flash floods.
BULLOCH COUNTY Statesboro	16	1420EST			0	0	0	0	Funnel Cloud	A funnel cloud was sighted near Georgia Southern College.
TREUTLEN COUNTY Countywide	16	1420EST			0	0	?	?	TSTM Wind	Numerous trees were uprooted or broken all over Treutlen County. Broken power poles and lines caused many electrical outages.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

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					KILLED	INJURED	PROPERTY	CROPS	
<b>GEORGIA</b>									
EFFINGHAM COUNTY 5NNW Guyton 6NNW Springfield	16	1450EST			0	0	?	?	TSTM Wind
	16	1450EST			0	?	?	?	TSTM Wind
	Trees were down on Highway 17 between Guyton and Egypt. Trees were also blown down along Highway 21 between Springfield and Kildare. One tree fell upon a car and caused injuries.								
CHATHAM COUNTY Savannah	16	1515EST			0	0	?	0	TSTM Wind
	Several large tree limbs fell on a house. Trees were also blown down and blocked downtown traffic in several areas.								
EMANUEL COUNTY	17	1115EST			0	0	0	0	Funnel Clouds
	Two funnel clouds were sighted over northeastern Emanuel County but there was no indication of either of them touching down.								
JENKINS COUNTY Millen	17	1245EST			0	0	?	?	TSTM Wind
	Thunderstorm winds caused damage to several residences and businesses when trees were uprooted and broken during the storm. The winds blew the roof off a portion of an office building. A pecan orchard suffered extensive wind damage.								
HARRIS COUNTY Pine Mountain	18	1900EST			0	0	?	?	TSTM Wind
RABUN COUNTY Lake Burton	19	0600EST			0	0	5	0	Lightning
	Lightning struck a home on the lake and caused explosion-like damage to the house. Replacement costs from the lightning-induced fire were estimated to be between \$100,000 to \$125,000.								
RABUN COUNTY Lake Rabun	19	0700EST			0	0	5	0	Lightning
	Lightning struck a boathouse on the lake that housed an antique boat, an inboard, and an outboard. The damage to the boathouse and the boats was estimated to be between \$60,000 to \$70,000.								
TALIAFERRO COUNTY Sharon	19	1200EST			0	0	?	?	TSTM Wind
	Small hail also occurred with this storm.								
HOUSTON COUNTY Perry Perry	19	1427EST			0	0	0	0	Funnel Cloud
	19	1504EST			0	0	?	?	TSTM Wind
	Trees were blown down by winds over the northern part of Perry.								
EVANS COUNTY Claxton	19	1700EST			0	0	?	?	TSTM Wind
FAYETTE COUNTY Peachtree City	20	1130EST			0	0	?	0	Flash Flood
	Fifteen homes were evacuated along a lake. As much as 2 feet of water stood in several homes and condos.								
COMETA COUNTY Newnan	20	1130EST			0	0	?	0	Flash Flood
	Near-constant rainfall flooded many low-lying areas. Several homes and cars were damaged; some residents were evacuated.								
CLAYTON COUNTY Jonesboro and Riverdale	20	1135EST-1405EST			0	0	?	0	Flash Flood
	A sewage treatment plant was flooded. A small dam broke in Jonesboro due to flood waters, and further complicated the flooding in one area. Several apartment homes were flooded. In Riverdale, several businesses sustained heavy water damage.								
DEKALB COUNTY Decatur and 14 <sup>th</sup> NE Atlanta	20	1135EST-1405EST			0	0	?	0	Flash Flood
	Low-lying streets flooded across the county, forcing the closing of several areas. Small lakes in North Atlanta and Decatur overflowed and added to the floods. Flood waters did minor damage to a few properties.								
FULTON COUNTY Atlanta and Hapeville	20	1135EST-1405EST			0	0	?	0	Flash Flood
	Several streets and local creeks were flooded in Atlanta and at Hapeville. Flood waters entered a few businesses.								
HENRY COUNTY 3 <sup>rd</sup> NE Ellenwood	20	1135EST-1405EST			0	0	?	0	Flash Flood
	Flood waters entered several homes in Henry County at Ellenwood.								
<b>GEORGIA</b>									
BARROW COUNTY Winder	20	1235EST			0	0	3	0	Lightning
	Lightning struck an air-conditioning unit and caused damage that cost about \$1,000.								
BARROW COUNTY Winder	20	1310EST			0	0	?	0	Flash Flood
BANKS COUNTY Homer	20	1420EST			0	0	?	0	Flash Flood
	Several basements in residences were flooded.								
GREENE COUNTY Penfield	21	0700EST-1100EST			0	0	0	?	River Flood
	The Oconee River near Penfield flooded low forested bottomlands and considerable agricultural land around the river.								
CHATHAM COUNTY 10SE Savannah	21	1030EST			0	0	0	0	Funnel Cloud
	A funnel cloud was sighted between Burnsed Island and Skidway Island.								
CHATHAM COUNTY 15SE Savannah	21	1100EST			0	0	0	0	Funnel Cloud
	A funnel cloud was sighted over marshland between Tybee Island and Wassaw Sound.								
CHATHAM COUNTY 15SE Savannah	21	1100EST			0	0	0	0	TSTM Wind
	On uninhabited Wassaw Island, boaters observed trees blown down or snapped off. The only way to reach this island is by boat.								
CHEROKEE COUNTY Woodstock	21	1200EST			0	0	?	0	Flash Flood
	Several streets were covered with water in poorly-drained areas. Flood waters did minor property damage.								
DODGE COUNTY Rhine	21	1530EST			0	0	?	?	TSTM Wind
LAURENS COUNTY Cadwell East Dublin	21	1605EST			0	0	?	?	TSTM Wind
	21	1615EST			0	0	?	?	TSTM Wind
	Stacks of sheet metal were blown off a construction site and off the building under construction at East Dublin. Several portable restrooms were blown off and around the site. Across Cadwell, numerous large trees were blown down onto power lines.								
JACKSON COUNTY Jefferson Jefferson	21	2030EST			0	0	?	?	Hail (1.75)
	21	2030EST			0	0	?	?	TSTM Wind
	One large tree was uprooted and many large limbs were broken by the winds. Small hail occurred with the thunderstorm.								
BANKS COUNTY 3SE Homer	21	2045EST			0	0	?	?	TSTM Wind
	Small hail also occurred with this storm.								
BARROW COUNTY Winder	21	2100EST			0	0	3	0	Lightning
	Lightning struck an outbuilding behind a house, bounced off the outbuilding, and hit the house. Damage to the outbuilding was estimated at \$2,500 and the damage to the house was estimated at around \$1,000. Lightning also damaged a wide-screen television set in a house across the street. The damage cost was unknown.								
PAULDING COUNTY New Hope	22	1200EST			0	0	?	?	TSTM Wind
GWINNETT COUNTY Countywide	22	1300EST			0	0	?	0	TSTM Wind
	A cluster of thunderstorms developed over Gwinnett County and caused scattered trees to be uprooted or broken. Most of the tree damage occurred over northern Gwinnett where falling limbs knocked down power lines.								
GWINNETT COUNTY Lawrenceville Norcross Lawrenceville Snellville	22	1304EST			0	0	?	0	Lightning
	22	1306EST			0	0	?	0	Lightning
	22	1310EST			0	0	?	0	Lightning
	22	1325EST			0	0	?	0	Lightning
	Thunderstorms swept through Gwinnett County and caused four housefires. Although they were not injured by the lightning itself, four fire-fighters were injured at Norcross. While fighting the lightning-induced blaze, the roof collapsed upon them. The most extensive damage occurred in that fire, although damage estimates were not available. Two other fires caused minor structural damage to house tops and attics. The fire at 1310EST in Lawrenceville was caused when lightning struck a cast-iron pipe at a four-apartment building. The lightning traveled down an inside wall between the middle two apartments and caused minor damage to one unit.								



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

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					KILLED	INJURED	PROPERTY	CROPS	

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	

— GEORGIA									
BURKE COUNTY Waynesboro	22	1415EST			0	0	?	?	Hail (1.75)
HOUSTON COUNTY Warner Robbins	22	1420EST			0	0	?	0	Lightning
Warner Robbins	22	1420EST			0	0	?	0	Flash Flood
<p>Lightning caused power outages until about 1700EST over the area. Urban and street flooding occurred as the thunderstorms passed through northern Houston County. A trailer park was flooded with approximately 2 to 3 feet of water. Water reached into several mobile homes. Rain-soaked soils also allowed a large sign to tilt and a few trees to fall over. Small hail also occurred with this storm.</p>									
HOUSTON COUNTY 65 Warner Robbins	22	1430EST			0	0	?	?	TSTM Wind
TROUP COUNTY LaGrange	22	1452EST			0	0	?	?	Hail (1.75)
BIBB COUNTY Macon	22	1900EST- 23 1900EST			0	0	?	0	River Flood
BARTON COUNTY Lake Allatoona	23	0700EST- 30 2400EST			0	0	?	0	Flooding
<p>The combination of heavy rain and holding back releases to prevent downstream flooding on the Etowah River resulted in Allatoona Lake being near nine (9) feet above its full pool level. The high water level flooded boat docks and resulted in flooded picnic, camping, and recreation areas on the lake.</p>									
GILMER COUNTY Lake Carters	23	0700EST- 30 2400EST			0	0	?	0	Flooding
<p>The combination of heavy rain and holding back releases to prevent downstream flooding on the Ocranaula River resulted in Carters Lake cresting about sixteen (16) feet above its full pool level. The high water level flooded boat docks, and picnic, camping, and recreation areas on the lake.</p>									
GORDON COUNTY Resaca	23	0700EST- 25 0700EST			0	0	0	?	River Flood
Calhoun	23	0700EST- 25 0700EST			0	0	0	?	River Flood
<p>The Ocranaula River flooded agricultural land near the river where farmers had planted crops in very low floodplain areas.</p>									
FLOYD COUNTY IN Rome	28	1310EST			0	0	?	?	TSTM Wind
<p>Thunderstorm winds uprooted a few trees. Small hail also occurred with this storm.</p>									
FULTON COUNTY 4NW Atlanta	28	1430EST			0	0	?	0	TSTM Wind
<p>Winds blew down several trees and caused extensive power outages mainly in rural southwest Fulton County and west Atlanta. In northwest Atlanta, a tree fell across a car but no injuries occurred.</p>									
COWETA COUNTY Newnan	28	1600EST			0	0	?	0	TSTM Wind
<p>Thunderstorm winds uprooted a few trees, causing electrical power outages.</p>									
CHATHAM COUNTY Savannah	29	1255EST			0	0	3	0	Lightning
<p>Lightning struck the steeple of a church on the west side of Savannah and started a fire that was confined to the steeple.</p>									
CHATHAM COUNTY Savannah	29	1315EST			0	0	?	0	Flash Flood
<p>After an hour-long downpour, flash floods developed on the south side of Savannah. The water reached about 2 to 3 feet high by 1330EST, causing several cars to stall out and traffic problems. Flood water also reached into a shopping mall but caused no damage. Pea size hail occurred with this storm at about 1315EST.</p>									
PULASKI COUNTY Hawkinsville	29	2105EST			0	0	?	0	Flash Flood
<p>Low-lying streets were flooded as slow-moving thunderstorms moved across Hawkinsville. Water entered a few properties and caused minor damage.</p>									

10 IDAHO									
Bingham County, Firth	12	1400MST			0	0	4	0	TSTM Wind (60)
<p>Strong wind associated with a thunderstorm destroyed a farm building and caused a 22 foot long cement slab to drop on a truck.</p>									
Valley County, Cascade	15	1430MST			0	0	4	0	Hail (1.50) TSTM Wind (70)
<p>Numerous pine trees were downed; some were snapped off at a third of the way up from the base. Car windows were broken by hail.</p>									
Boise County, 26 E Lowman	15	afternoon			0	0	4	0	Flash Flood
<p>Heavy rain caused two large mudslides that closed Idaho Highway 21. The mudslides were 100 to 150 feet long and 3 to 4 feet deep. Rocks and some trees were also included in the slides.</p>									
11 ILLINOIS									
South Cook Co. and Extreme East Will Co.	01	0000- 0600CST			0	0	?	?	Flooding, Heavy Rain
<p>Torrential rains of 3 to 4 inches flooded streets, homes, roads and underpasses in the far southeast sections of Chicago and the far southern suburbs. The axis of the heaviest rain stretched from Lansing and through Hazel Crest and then to Palos Heights. The heavy rain axis also extended eastward into northwest Indiana through the Munster and Griffith areas where flooding was especially severe. 4.26 inches of rain was recorded in south suburban Hazel Crest in about a 6 hour period on June 1st. 3.33 inches fell at Park Forest, and Crete reported in with 3.30 inches. Some additional rainfall of around one inch occurred in these same areas June second and third and contributed to some additional local flooding in the area.</p>									
St. Clair Co, Venice; Madison Co, Madison	01	1405CST			0	0	4	?	Hail (1.0) Tstm.winds
<p>Hail broke windows and dented cars in the Madison-Venice area. High winds uprooted trees.</p>									
Randolph Co, Baldwin	01	1420CST			0	0	?	?	Hail (1.0)
Madison Co.	01	1425CST			0	0	3	0	Tstms.winds
<p>High winds knocked down numerous trees and tree limbs and left 3000 utility customers without power.</p>									
St. Clair Co.	01	1430CST			0	0	?	?	Hail (2.0)
Christian Co, Rosamond	01	1445CST			0	0	3	0	Tstm.winds
<p>High winds blew down trees and branches and hail 5/8 inch in diameter fell in Rosamond.</p>									
Edwards Co, 2E Albion	01	1500CST			0	0	?	0	Hail (0.75)
Massac Co, Metropolis	01	1600CST			0	0	?	0	Tstm.winds
<p>High winds uprooted trees and collapsed a building just north of Metropolis across North Avenue and Country Club Road.</p>									
Kendall Co, Oswego	05	1157CST			0	0	0	0	Funnel cloud
<p>A funnel cloud in the vicinity of Oswego was observed by numerous persons and local police.</p>									
Kendall Co, 25 Yorkville	05	1205CST	0.1	10	0	0	0	0	Tornado (F0)
<p>The Kendall County sheriff reported seeing the tail of a funnel cloud touch down and stir up dust in an open field near Route 71 and Pavillion Road.</p>									
Grundy Co, Morris	19	1300CST			0	0	3	5	Hail (1.0) Tstm.winds (52)
<p>Hail up to 1 inch in diameter severely damaged over 1000 acres of crops. The hail was visible on the ground up to two and one half hours after the passage of the storm. One inch of rain fell in about 30 minutes.</p>									
La Salle Co, 28 SW Harseilles	23	1125CST			0	0	?	?	Hail (1.0)
Grundy Co, near Morris	23	1130CST			0	0	?	?	Tstm.wind (56)

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>ILLINOIS</b>									
Carroll Co, Thomson	25	1722CST			0	0	?	?	Hail (0.75)
	25	1737CST			0	0	?	?	Tstm.winds
	Thunderstorms winds blew down large trees and limbs.								
Will Co.	26	1535CST			0	0	?	?	Hail (1.75)
Hancock Co, Hamilton	26	1715CST			1	0	0	0	Lightning
	A rural Hamilton man was killed while he was standing near a tree that was hit by lightning. M82								
McDonough Co, 65 Colchester	26	1925CST			0	0	?	?	Hail (1.75)
Morgan Co, Jacksonville	26	2057CST			0	0	?	?	Tstm.winds
	High winds blew down trees and damaged a few cars and homes.								
St. Clair Co, Scott AFB	26	2350CST			0	0	4	0	Tstm.winds (53)
	Winds of over 60 mph were recorded at Scott Air Force Base. The storm blew down trees and utility poles and left more than 6500 households without electrical power in the nearby area.								
<b>12 INDIANA</b>									
Lake Co.	01	0600- 1115 EST			0	0	?	?	Flash Flood
	Widespread urban and small stream flooding was reported. The hardest hit areas were St. John, Merrillville and Crown Point. Many roads were closed by high water. More than 6 inches of rain likely occurred in the county. St. John Waterworks measured an unofficial total of 6.5 inches of rain. The county CD director stated this was the worst flooding since 1982.								
Porter Co.	01	0600- 1115 EST			0	0	?	?	Flash Flood
	Several roads were flooded by high water. Some houses were surrounded by water in Chesterton. Route 8 just east of Hebron was closed for a period of time due to flooding. A railroad bed was damaged due to high water and had to be repaired before travel could resume. Rainfall amounts were on the order of four inches.								
St. Joseph Co. South Bend	01	0720 EST			0	0	?	?	Tstm.Wind (58)
St. Joseph Co.	01	0930 EST			0	0	?	?	Flash Flood
	Thunderstorms produced rainfall amounts of 2 to 3 inches mainly on the south side of South Bend. City streets and low areas on roads were flooded. Bauge Creek on the St. Joseph and Elkhart county line overflowed its banks, causing minor flooding.								
Howard Co.	01	1400 EST			0	0	?	?	Hail (1.00)
	One-inch diameter hail was reported at Russiaville and hail three-quarter inch in diameter was reported at State Road 26 and US 31.								
Tipton Co.	01	1410 EST			0	0	?	?	Tstm.Wind
	Power lines and power poles were blown down near Windfall.								
Grant Co. 105 Marion	01	1445- 1453 EST			0	0	5	?	Hail (1.50) Tstm.Wind
	A severe thunderstorm with 1.50 inch diameter hail and damaging winds struck the Madison-Grant High School. The glass enclosed press box was destroyed. Damage to the press box and equipment was estimated between \$5,000 and \$10,000. The storm picked up and carried the scoreboard about 150 yards before dropping it in the parking lot.								
	Part of the roof of the junior high school was damaged. A 40 foot TV and radio tower atop the high school gymnasium was blown over puncturing the roof and allowing rain to leak into the gym. Golf ball size hail was reported at Fairmount.								
Madison Co.	01	1453 EST			0	0	3	?	Tstm.Wind
	Trees and power poles were blown down near Rigdon in extreme northern Madison County.								
<b>INDIANA</b>									
Blackford Co. 2S Hartford City	01	1509 EST			0	0	?	?	Hail (1.00)
Tippecanoe Co.	01	1510 EST			0	0	0	?	Hail (1.50)
	Golf ball size hail was reported at State Route 26 and US 52.								
Delaware Co.	01	1520- 1530 EST			0	0	3	?	Tstm.Wind Hail (1.50)
	Trees were reported down and golf ball size hail was reported in Eaton. Trees damaged the roofs of houses and golf ball size hail broke windows throughout the town. At 1530EST winds snatched a mobile home off of its foundation and twisted it around a utility pole 6 feet away. Winds caused a barn on Delaware Road to collapse.								
Jay Co. Dunkirk	01	1545 EST			0	0	3	?	Hail (1.00)
	One-inch diameter hail damaged some automobiles.								
Howard Co. Kokomo	01	1600- 1630 EST			0	6	5	?	Tstm.wind
	A severe thunderstorm produced scattered damage in the city of Kokomo. The civil defense director reported the following damage: one-story home nearing completion was completely destroyed, two garages damaged, house roof partially removed, apartment siding and roof damaged, scoreboard at Northwestern H.S. blown down, one outbuilding destroyed, one trailer at the Forest Park Trailer Park. substantial damage, and minor damage to other trailers. Wicks Lumber Company had major roof damage, 100 feet of fencing blown down, and a church addition under construction was partially destroyed, injuring 6 workers.								
Posey Co. Wadesville	01	1600 EST			0	0	0	0	Hail (0.75)
Sullivan Co. Fairbanks	01	1800 EST			0	0	3	0	Tstm.Wind
	Trees were uprooted and large limbs blown down. Damage was done to a barn roof and a window was broken out of a house.								
Vanderburgh Co. 5W Evansville	01	1802 EST			0	0	1	0	Tstm.Wind
	Thunderstorm winds downed trees which knocked out power lines.								
Vanderburgh Co. 5E Evansville	01	1825 EST			0	0	1	0	Tstm.Wind (60)
	Thunderstorm winds estimated at 60 miles an hour downed several large trees.								
Clay Co. Staunton	01	1833 EST			0	0	0	0	Hail (0.75)
Warrick Co. Boonville	01	1840 EST			0	0	3	0	Tstm.Wind
	Thunderstorm winds downed 2 large trees which broke a power pole and damaged an automobile.								
Hamilton Co. Strawtown	03	0912 EST			0	0	?	?	Hail (1.25)
Madison Co. Summitville	03	0918 EST			0	0	?	?	Hail (1.00)
Fulton Co. Delong	03	0930 EST 0.2	30		0	3	4	?	Tornado (F0) Hail (1.50)
	A tornado touched down briefly along State Road 17 near Delong. One trailer home was overturned causing three minor injuries. Two other trailers received minor damage. Golf ball size hail was also reported.								
Hamilton Co. Strawtown	03	0938 EST			0	0	2	?	Hail (0.90)
	Hail cracked the windshield of a police car.								
Grant Co. Marion	03	0940 EST			0	0	5	?	Hail (1.50)
	Hail damaged automobiles and homes. Nearly 300 claims were expected to be filed. Most of the damage was reported south of 38th street in Marion.								

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED <sup>1</sup> DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>INDIANA</b>									
St. Joseph Co. Mishawaka	03	0948 EST	4.0	20	0	0	5	0	Tornado (F0)
									A weak tornado skipped along a path 4 miles long on the east side of Mishawaka downing trees and power lines, damaging 4 trailer homes, destroying a vacant trucking company warehouse and doing other damage from trees falling on buildings and power lines.
Grant Co. Marion	03	0958 EST			0	0	0	0	Hail (0.75)
Grant Co. Marion	03	1020 EST			0	0	?	?	Hail (1.00)
Elkhart Co. Etna Green	03	1027 EST			0	0	0	0	Funnel Clouds
									Two funnel clouds were spotted by Skywarn spotters.
Elkhart Co. Bristol	03	1032 EST			0	0	?	?	Tstm.Wind
									Several large trees were blown down.
Blackford Co. Hartford City	03	1053 EST			0	0	0	0	Hail (0.75)
Dekalb Co.	03	1145-1345 EST			0	0	?	?	Flash Flooding
									Flash flooding was reported along Cedar Creek and in the city of Auburn due to heavy rains. A number of county roads were reported closed due to high water.
Vigo Co. Terre Haute	03	1215 EST			0	0	?	?	Tstm.Wind
									Trees were reportedly blown down in the city of Terre Haute.
Miami Co.	03	1247 EST			0	0	?	?	Tstm.Wind (60)
									Grissom Air Force Base weather unit measured a 60 mile an hour wind.
Tipton Co. Sharpsville	03	1320 EST			0	0	?	?	Hail (1.00)
Cass Co. Logansport	03	1330 EST			0	0	5	?	Tstm.Wind (60)
									Winds estimated at 60 miles an hour knocked down four hangars at the Logansport Municipal Airport. One airplane was destroyed.
Howard Co. Russiaville	03	1345 EST			0	0	?	?	Tstm.Wind
									Several trees two to three inches in diameter were blown down.
Wells, Allen, Noble Huntington, and Whitley Counties	03	Early afternoon			0	0	6	?	Flash Flooding
									Serious flash flooding occurred in these counties in northeast Indiana. Rainfall totals were on the order of three to four inches in this area. Flooding was particularly bad in Roanoke where buildings were surrounded by water and many roads were closed. Roads were also under water throughout these counties.
									Water was two feet deep on I-69, 10 miles south of Fort Wayne. A bridge was reported washed out at CR400E near Roanoke. Three roads were washed out near Roanoke. Cow Creek overflowed and flooded nearly half the homes in Roanoke. The sewage system and the city park were flooded. Estimated damage in Huntington County was \$500,000 with \$25,000 damage to the city park.
									In Allen County heavy rains of 4 to 5 inches in a four hour period produced flash flooding along Spy Run Creek and Trier Ditch with three mobile homes and 3 houses sustaining serious damage and 17 houses and 2 mobile homes suffering minor damage. Total damage was estimated between \$30,000 and \$50,000 not including crop damage. Numerous roads were under water in Bluffton.
Madison and Carroll Counties	03	Early afternoon			0	0	?	?	Flash Flood
									Heavy rain in these counties caused considerable standing water on roadways. Some roads had water 18 inches deep flowing over them.
Marion Co. Fort Harrison	03	1405 EST			0	0	?	?	Tstm.Wind
									Trees were blown down at Fort Harrison in the northeast part of the county.
<b>INDIANA</b>									
Fountain Co. Attica	03	1425 EST			0	0	?	?	Tstm.Wind
									Trees were blown down.
Delaware Co. Muncie	03	1455 EST			0	0	4	?	Tstm.Wind
									A dozen trees were blown down on the northeast side of Muncie. Some exterior damage occurred to a garage and a couple of houses due to downed trees. Siding was ripped from a garage.
Tippecanoe Co. Dayton	03	1455 EST			0	0	3	?	Tstm.Wind
									Trees were reported down in Dayton. A utility barn was blown down. Several thousand dollars damage was reported. Hail was reported, but size unknown.
Clinton Co. 3N Mulberry	03	1500 EST			0	0	4	?	Tstm.Wind
									Trees were blown down onto two grain bins. One of the trees was a 100 year old beech tree, more than 80 feet high and 42 inches in diameter. The roof was ripped off an old schoolhouse that was used to store farm equipment, causing damage to a surrounding fence. A witness observed a "big white whirly cloud."
Clinton Co. Rossville	03	1505 EST			0	0	4	?	Tstm.Wind
									Trees were blown down.
Delaware Co. Muncie	03	1740 EST			0	0	?	?	Tstm.Wind
									Trees uprooted on the east side of Muncie.
Delaware Co. Prairie Creek Res.	03	1750 EST	0.50	30	0	0	5	?	Tornado (F1)
									A small tornado touched down on the west side of the lake and continued to move east across the water and into the park in the north shore area. A garage was completely destroyed, its debris strewn for 200 yards. The concrete blocks from the foundation were flung in several directions. One concrete block was thrown through a car window more than 100 yards from the garage. Siding was torn off a small portion of a house and several windows were broken out.
									Damage to the park area was confined to mainly broken tree limbs and wind-damaged signs and trash cans on both sides of the lake. Roof and rafters of a two-story house under construction were ripped off.
Randolph Co. 1S Winchester	03	1835 EST	0.30	20	0	0	3	?	Tornado (F0)
									The state police reported a brief touch down of a small tornado one mile south of Winchester. Debris from a barn was blown across State Road 27.
White Co. 1S Brookston	19	1646 EST			0	0	?	?	Hail (1.00)
Tippecanoe Co. 3NW Lafayette	19	1650 EST			0	0	?	?	Hail (1.00)
Tippecanoe Co. 3N Lafayette	19	1700 EST			0	0	?	?	Tstm.Wind
									Several trees were blown down near I-65.
Marion Co.	19	1815-1820 EST			0	0	5	?	Tstm.Wind
									Three houses were damaged by high winds in the southwest section of the county. A lumber company lost a 200 foot section of roof. The roof of another business was damaged when the lumber yard roof landed on top of it.
Hendricks Co.	19	1850 EST			0	0	?	?	Tstm.Wind
									Two trees were blown down between Plainfield and Mooresville in the extreme southeast part of the county.
Delaware Co.	24	1815 EST			0	0	?	?	Tstm.Wind
									Trees were reported down 4 miles southeast of Muncie.
St. Joseph Co. Mishawaka	26	1800 EST			0	0	?	?	Tstm.Wind
					0	0	?	?	Hail (0.75)
									Strong thunderstorm winds downed 16 trees at the Eberhart-Petro golf course. There were large trees blown down on a couple of houses. Hail up to three-quarter inch diameter was also reported.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>INDIANA</b>									
Elkhart Co. Elkhart	26	1806 EST			0	0	5	?	Tstm.Wind
									Strong thunderstorm winds downed 25 trees, damaged the roof of a church, and blew down the wall of an industrial building. Other trees were blown down on houses and cars in central and northwest parts of the county.
Elkhart Co. Bristol	26	1854 EST			0	0	?	?	Tstm.Wind
									Large trees were blown down and brought down power lines in the process.
<b>13 IOWA</b>									
Shelby County, Corley	02	2130 CST			0	0	3	2	Tstm.Winds (50+)
Wapello County, Ottumwa Airport	03	0129 CST			0	0	3	3	Tstm.Winds (51)
									A line of thunderstorms moved across Iowa during the evening of the 2nd and early morning of the 3rd. For the most part, the storms produced only pea to marble size hail and 30 to 50 MPH winds. One storm swept through Ottumwa with gusts to 59 MPH. Earlier, a storm swept through Shelby County, causing some damage.
Webster County, Fort Dodge	07	2000 CST			0	0	4	2	Urban Flooding
Carroll and Greene Counties, 3-9E Coon Rapids	07	2130 CST			0	0	2	5	Hail (.25)
									Heavy thunderstorms moved across Western Iowa. Nearly 3 inches of rain fell in a short period of time in Fort Dodge, causing some urban flooding. Damage occurred to a few businesses. In Carroll and Greene Counties, pea size hail fell. Considerable crop damage was reported with the hail accumulating up to 4 inches deep in places.
Chickasaw County: 2N Fredericksburg 1W Fredericksburg	12	1425 CST			0	0	4	3	Tstm.Winds (50+)
	12	1425 CST			0	0	3	4	Hail (1.75)
Delaware County, 5S Manchester	12	1556 CST			0	0	2	3	Hail (.75)
									Isolated thunderstorms moved across Northeast Iowa. One produced hail up to golfball size in Chickasaw County. Winds also downed several trees near Fredericksburg. Another storm produced dime size hail near Manchester.
IAZ001-002 Extreme Northwest and North-Central Iowa	15	Early Morning			0	0	0	6	Frost
									A late-season frost occurred over Northern Iowa. Considerable damage was done to the corn crop in scattered areas. The damage was limited to low-lying areas. Damage was estimated at around the \$2 million area. The worst hit areas were in Winnebago, Kossuth and Hancock counties.
IAZ012 Southwest Iowa	21	2300 CST to 23 Morning			0	0	4	3	Flooding
									Heavy rains of 2 to 4 inches fell in the Nishnabotna and Nodaway River basins. Unofficially, 6.8 inches of rain fell at Stanton. Both rivers had moderate rises above flood stage. They crested 1 to 2 feet over flood stage.
Buchanan County: Independence 30W Waterloo	22	1641 CST			0	0	5	4	Tstm.Winds (64)
	22	1708 CST			0	0	2	3	Hail (.75)
									An isolated severe thunderstorm moved across Buchanan County. Winds of 74 MPH were recorded at the Independence Airport. The winds caused some damage to buildings in the area. Dime size hail fell east of Independence.
Guthrie County, Bagley	24	1600 CST			0	0	3	0	Lightning
									Lightning struck a transformer next to a house. The voltage surge went into the house, causing a fire.
IAZ012 Southwest Iowa	25	Morning to 26 Afternoon			0	0	5	3	Flooding
									Another 2 to 3 inches of rain fell over Southwest Iowa. This caused the Nishnabotna River to crest about 5 feet above flood stage at Hamburg.
Allamakee County, Lansing	25	1400 CST			1	3	0	0	Lightning
									As a thunderstorm moved through the Lansing area, lightning struck 4 people. One died, and 3 others were injured. M180.
Clayton County, Guttenberg	25	1550 CST			0	0	4	3	Tstm.Winds (50+)
									A thunderstorm swept through the Guttenberg area. High winds downed trees in the city. Marble size hail also occurred.
Clayton County, Guttenberg	26	0930 CST	0.2	20	0	1	4	0	Tornado (FO)
									A small tornado touched down in Guttenberg. Trees were uprooted and damage was done to several buildings. One young boy was injured by flying debris.
<b>IOWA</b>									
Keokuk County: 2E Martinsburg Richland	26	1520 CST			0	0	3	0	Hail (1.00)
	26	1529 CST			0	0	4	5	Hail (1.75)
Wapello County, Ottumwa	26	1525 CST			0	0	3	3	Hail (1.00)
Henry County, Mt. Pleasant	26	1625 CST			0	0	4	3	Tstm.Winds (50+)
									A line of thunderstorms developed across Southeast into South-Central Iowa. Most of the storms produced very heavy rains and gusty winds. One cell developed into a severe cluster. Hail up to golfball size fell in Wapello and Keokuk counties. East of Martinsburg, it rained enough to put a county highway under water. In Henry County, trees and power poles were downed by high winds.
Clinton County, 7NW Clinton	26	1645 CST			0	0	5	3	Tstm.Winds (50+)
									A thunderstorm moved across Clinton County. High winds northwest of Clinton downed 2 barns and a shed. Winds and hail wiped out 5 acres of strawberries and some of the corn in the area.
Adair County	27	1435 to 1450 CST			0	0	0	0	Funnel Cloud
									An isolated thunderstorm developed over Adair County. A funnel cloud was observed for a brief time near Orient.
IAZ012* Southwest Iowa	27	Afternoon to 28 Early Morning			0	0	3	2	Flooding
									Additional rains during the morning of the 27th caused additional minor flooding in the Nishnabotna River Basin.
<b>14 KANSAS</b>									
Wilson Co. Fredonia	02	1457CST			0	0	3	2	Hail (1.25)
Greenwood Co. Tonovay	02	1530CST			0	0	3	2	Hail (1.0)
Coffey Co. 6NW Burlington	02	1640CST			0	0	2	2	Hail (.75)
Osage Co. 4SW Melvern Lyndon 2W Overbrook 3SW Melvern 2NW Melvern 1.5S Lyndon	02	1643CST			0	0	2	2	Hail (.75)
	02	1650CST			0	0	3	2	Hail (1.75)
	02	1653CST			0	0	0	0	Funnel Cloud
	02	1706CST	.1	30	0	0	0	0	Tornado (FO)
	02	1714CST	.1	50	0	0	0	0	Tornado (FO)
	02	1725CST	.1	30	0	0	4	2	Tornado (FO), Hail (1.75)
Cheyenne Co. 18N St. Francis	02	1700CST			0	0	4	4	Hail (2.0)
Sherman Co. 6S Edson	02	1750CST			0	0	3	3	Hail (1.0)
Douglas Co. 2SSW Clinton 2S Clinton	02	1730CST Short Narrow			0	0	0	0	Tornado (FO)
	02	1804CST			0	0	2	2	Hail (1.75)
Jefferson Co. Nortonville	02	1736CST			0	0	3	3	Hail (1.75)
Franklin Co. Ottawa	02	1745CST			0	0	0	0	Funnel Clouds
Atchison Co. Cummings Atchison	02	1800CST			0	0	2	2	Hail (1.25)
	02	1805CST			0	0	4	2	Hail (2.75)
Brown Co. Hiawatha	02	1944CST			0	0	2	2	Hail (1.0), Funnel Cloud
									Severe thunderstorms developed over portions of southeast Kansas during the afternoon hours and then moved/expanded northward into northeast Kansas. The storms produced large hail, up to baseball size, four small tornadoes and several funnel clouds. No damage was reported from the tornadoes in Osage and Douglas counties as they only touched down for a short time in open country. Hail did damage to automobiles in Lyndon and Atchison where windows were broken. Large hail also fell from a few severe thunderstorms across a small area of northwest Kansas during the evening hours.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS	
<b>KANSAS</b>										<b>KANSAS</b>									
Russell Co. Russell	02	1955CST			0	0	0	0	TSTM Wind (67)	Grant Co.	07	2000 to 2400CST			0	0	5	6	Flash Flood
Republic Co. Belleville	02	2025CST			0	0	4	0	TSTM Wind						Heavy rains of 3 to 5 inches fell across the county, producing flash flooding across the area. Many roads were washed out and extensive crop damage was reported. The town of Ulysses received widespread flooding.				
Marshall Co. 3E Marysville Axtell	02	2207CST			0	0	0	0	TSTM Wind (52)	Neosho Co. Galesburg	10	0538CST			0	0	4	0	TSTM Wind
Geary Co. Morrill	02	2250CST			0	0	2	2	Hail (.75)						A severe thunderstorm produced strong winds that blew the doors off a small factory and damaged a grain elevator.				
Riley Co. Manhattan	02	2254CST			0	0	4	0	TSTM Wind	Sedgwick Co. 3E Goddard	10	1452CST			0	0	2	2	Hail (.75)
Pottawatomie Co. Wamego	02	2304CST			0	0	3	0	TSTM Wind (55)	75 Wichita	10	1506CST			0	0	0	0	Funnel Cloud
Geary Co. Junction City	02	2310CST			0	0	4	0	TSTM Wind	McConnell AFB	10	1533CST			0	0	3	0	Hail (1.25)
A second area of severe thunderstorms formed across south-central Nebraska and north-central Kansas, then moved into northeastern Kansas. The storms brought strong winds and some reports of large hail. Winds gusting to 78 MPH in Russell, but no damage was reported. Some trees and power poles were downed by straight-line winds in Belleville, Manhattan and Junction City shortly before midnight.										SE Wichita	10	1533CST			0	0	4	0	Hail (2.0)
Greenwood Co. Hamilton	04	1415CST			0	0	0	0	Funnel Cloud	SE Wichita	10	1533CST			0	0	3	3	Hail (1.0)
Butler Co. Towanda	04	1420CST			0	0	0	0	Funnel Clouds	SE Wichita	10	1539CST			0	0	3	0	Hail (1.0)
Thunderstorms produced several cold air funnel clouds over south-central Kansas. The funnels were short lived and never touched down.										E Wichita	10	1545CST			0	0	3	0	TSTM Wind
Northwest Ford and Eastern Finney Counties	04	1400 to 1800CST			0	0	4	4	Flash Flood	Pawnee Co. Larned	10	1507CST			0	0	3	0	Hail (1.75)
Thunderstorms produced locally heavy rains of up to 5 inches in two hours time that caused flooding in some areas. Kalvesta in eastern Finney County reported that several fences were washed away and Highway 156 was closed for a few hours because of high water. Dodge City also received heavy rains that washed several cars off roadways. One man nearly drowned as the flood waters carried him nearly two blocks after he got out of his car and tried to walk through running water. No major damage was reported in Dodge City.										10NE Larned	10	1600CST			0	0	0	3	Hail (1.75)
Stevens Co. SW Hugoton SW Moscow	06	1515CST			0	0	3	3	Hail (.75)	5N Larned	10	1700 to 1900CST			1	0	3	4	Flash Flood
SS Moscow	06	1547 to 1550CST	1	100	0	0	0	0	Tornado (F1)	Butler Co. 5S Augusta	10	1605CST			0	0	3	0	TSTM Wind
Seward Co. 10NW Liberal	06	1558 to 1619CST	12	500	0	0	4	4	Tornado (F3)	.5W Rose Hill	10	1625CST			0	0	4	0	TSTM Wind
Liberal	06	1620CST			0	0	4	0	Hail (2.0)	4NE Douglass	10	1632CST			0	0	0	0	Funnel Cloud
8SW Liberal	06	1624CST			0	0	4	4	Hail (1.75)	2SW Leon	10	1655CST			0	0	0	0	Funnel Cloud
15N Liberal	06	1731CST			0	0	0	4	Hail (1.75)	3W Augusta	10	1713CST			0	0	2	3	Hail (1.75)
Hamilton Co. 2N Coolidge	06	1602CST			0	0	0	0	Funnel Cloud	1W Augusta	10	1718CST			0	0	4	4	Hail (2.75)
Severe thunderstorms developed across southwest Kansas and spawned several tornadoes and produced large hail. A large tornado touched down northwest of Liberal and then moved south-southeast, just passing west of the town. The tornado did considerable damage to farmsteads and irrigation systems in its path. Large hail, up to baseball size, also did considerable damage to automobiles and broke out windows in homes. Crop damage was extensive in the area from the hail.										Augusta	10	1718CST			0	0	4	0	Hail (1.75)
Stafford Co. Hudson	07	1612CST			0	0	0	0	Funnel Cloud	5N Atlanta	10	1737CST			0	0	0	0	Funnel Cloud
A cold air funnel cloud was spawned by a thunderstorm near Hudson. The funnel was short lived and quickly dissipated.										12SE Augusta	10	1738CST			0	0	0	3	Hail (1.75)
										5W Latham	10	1825CST			0	0	2	3	Hail (1.0)
										EIbing	10	1930CST			0	0	2	0	TSTM Wind
										Barton Co. Pawnee Rock	10	1607CST			0	0	3	4	Hail (1.75)
										1N Pawnee Rock	10	1629CST			0	0	2	3	Hail (1.75)
										10SW Great Bend	10	1630 to 1800CST			0	0	4	4	Flash Flood
										10SW Great Bend	10	1640CST			0	0	2	4	Hail (.75)
										Stafford Co. 3W Seward	10	1628CST			0	0	3	4	Hail (1.75)
										Scott Co. 5N Scott City	10	1705CST			0	0	0	3	Hail (.75)
										6W Scott City	10	1830CST	Short Narrow		0	0	0	0	Tornado (F0)
										Rice Co. Chase	10	1720CST			0	0	2	3	Hail (1.0)
										Raymond	10	1738CST			0	0	2	3	Hail (1.0), TSTM Wind (52)
										McPherson Co. 7N Inman	10	1730CST			0	0	5	0	Lightning
										Chautauqua Co. 1NE Elgin	10	1833CST			0	0	3	3	Hail (2.25)
										9NW Sedan	10	1919CST			0	0	0	0	TSTM Wind (52)
										Gove Co. 17NW Gove	10	1855CST			0	0	0	3	Hail (1.0)
										Mitchell Co. Beloit	10	1900 to 2100CST			0	0	5	5	Flash Flood
										Beloit	10	1914CST			0	0	2	0	Hail (.75)
										Wichita Co. 13W Leoti	10	1915CST	Short Narrow		0	0	0	0	Tornado (F0)
										19S Leoti	10	1915CST	Short Narrow		0	0	0	0	Tornado (F0)
										12W Leoti	10	1920CST			0	0	0	3	Hail (.75)
										Finney Co. 10N Holcomb	10	1940CST			0	0	0	0	TSTM Wind (50)
										10NE Garden City	10	2010CST			0	0	0	0	TSTM Wind (50)
										Montgomery Co. Dearfing	10	2010CST			0	0	3	2	Hail (1.75)
										Trego Co. 2N Collyer	10	2015CST			0	0	0	3	Hail (1.0)
										Meade Co. 5S Meade	10	2022CST			0	0	0	0	TSTM Wind (50)
										Clark Co. Ashland	10	2128CST			0	0	4	0	TSTM Wind

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE <sup>1</sup>		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>KANSAS</b>									
			<p>A widespread outbreak of severe thunderstorms occurred across portions of southern and western Kansas during the afternoon and evening hours. The storms brought large hail, up to baseball size in several areas, strong winds and locally heavy rains that caused flash flooding. Three small, short-lived tornadoes touched down in open fields in western Kansas, doing no damage. Lightning struck a rural home near Inman, causing a fire that destroyed much of the home and its contents. Damage from the fire was estimated at \$60,000. Flash flooding also occurred in both Beloit and Great Bend during the evening hours when 3 to 5 inches of rain fell in a short time. Heavy rains also caused flash flooding northeast of Larned. A woman was killed in this flash flood when she got out of her car after it stalled in the rising waters. A wall of water dragged her one-half mile, drowning the woman. F620. Flash flood.</p>						
Chautauqua and Montgomery Counties	10	2000 to 2300CST			0	0	5	5	Flash Flood
			<p>Thunderstorms produced locally heavy rains of 6 to 10 inches that flooded homes and damaged cars in the area. The Coffeyville area was hard hit by flooding as numerous cars were washed off roads and 50 families had to be evacuated. No injuries were reported with the flooding. The rains also caused minor flooding along the lower reaches of the Neosho and Verdigras rivers in southeast Kansas. Highway 166 was closed for several hours following the flood.</p>						
Ellsworth Co. Kanopolis Lake	11	0040CST			0	0	3	0	Hail (.75)
			<p>A severe thunderstorm dropped large hail at Kanopolis Lake for a short time. No major damage was reported.</p>						
Seward Co. 8N Liberal	11	1958CST			0	0	0	3	Hail (1.75)
			<p>A severe thunderstorm produced golfball size hail north of Liberal.</p>						
Barber Co. 13N Kiowa	12	1700CST			0	0	0	3	Hail (1.75), TSTM Wind (50)
Chautauqua Co.	12	2000 to 2300CST			1	0	5	5	Flash Flood
			<p>Thunderstorms brought heavy rains of 4 to 8 inches across Chautauqua County, producing areas of flooding, especially across southwest portions of the county. A woman was swept away by rising flood waters near Cedar Vale after her car got stuck in some mud. She tried to wade across a swollen creek, but was swept away by the swift current and drowned. F250. Flash flood.</p>						
			<p>A severe thunderstorm also produced golfball size hail and strong winds west of Kiowa. Some minor crop damage was reported with the storm.</p>						
Hamilton Co. Syracuse	13	1427CST			0	0	0	0	Funnel Cloud
Finney Co. 15N Garden City	13	1528CST			0	0	0	0	Funnel Cloud
			<p>Thunderstorms spawned a few cold air funnel clouds in southwest Kansas. They were short lived and quickly dissipated.</p>						
Southern Republic Co.	24	0700 to 0900CST			0	0	4	3	Flash Flood
			<p>Heavy rains from thunderstorms produced areas of flash flooding across southern Republic County. Highway K-148 was closed for a few hours because of high water.</p>						
Shawnee Co. NW Topeka	24	1217CST			0	0	3	3	Hail (1.75)
NWS Topeka	24	1419CST			0	0	2	2	Hail (1.0)
NE Topeka	24	1430CST			0	0	2	2	Hail (1.0)
Jefferson Co. 2N Grantville	24	1455CST			0	0	3	3	Hail (1.75)
McLouth	24	1525CST			0	0	2	2	Hail (.75)
<b>KANSAS</b>									
Miami Co. 1N Paola	24	1644CST			0	0	4	3	Hail (1.75), TSTM Wind
			<p>A few severe thunderstorms developed and then moved across northeastern Kansas, bringing large hail. Hail the size of golfballs and strong winds hit the Paola area, breaking some windows in homes while the winds also downed a few trees. No major damage was reported in the Topeka area.</p>						
Cheyenne Co. 10SW St. Francis	24	1720CST			0	0	4	4	Hail (2.0)
10S Wheeler	24	1830CST			0	0	4	4	Hail (3.0)
10SSE Btrd City	24	1840CST			0	0	4	4	Hail (2.0)
12S Wheeler	24	1840CST			0	0	4	4	Hail (3.0)
10S Btrd City	24	2018CST			0	0	3	3	Hail (1.0)
Sherman Co. 12N Goodland	24	1910CST			0	0	4	5	Hail (2.0)
15NW Goodland	24	1950CST			0	0	3	3	Hail (.75)
NWS Goodland	24	2017CST			0	0	0	0	TSTM Wind (53)
Kanarado	24	2022CST			0	0	0	0	TSTM Wind (52)
3N Ruleton	24	2035CST			0	0	4	3	Hail (.75), TSTM Wind (56)
Thomas Co. Brewster	24	2100CST			0	0	3	3	TSTM Wind (52)
			<p>Severe thunderstorms developed across portions of northwest Kansas, producing large hail and strong winds. Baseball size hail broke out windows in many cars and trucks in the area. Crop damage was also extensive due to the widespread large hail.</p>						
Cloud Co. Concordia	25	0130CST			0	0	3	0	TSTM Wind
			<p>A severe thunderstorm moved over the city of Concordia, producing strong straight-line winds. The high winds broke off tree limbs that in turn downed several power poles.</p>						
Brown Co. Baker	26	1421CST			0	0	3	2	Hail (.75)
Jewell Co. 5S Jewell	26	1430CST			0	0	3	3	TSTM Wind (52)
Mitchell Co. Beloit	26	1436CST			0	0	3	3	TSTM Wind (52)
Beloit	26	1700 to 1930CST			0	0	5	2	Flash Flood
Cloud Co. Concordia	26	1500CST			0	0	3	0	Hail (.75)
12SW Concordia	26	1530CST			0	0	5	5	TSTM Wind
Glasco	26	1545CST			0	0	4	3	TSTM Wind (52)
Ottawa Co. Delphos	26	1522CST			0	0	4	3	TSTM Wind (56)
Clay Co. 9NW Clay Center	26	1534CST			0	0	3	4	Hail (1.75), TSTM Wind (56)
10 NW Clay Center	26	1550CST			0	0	4	4	Hail (1.75), TSTM Wind (52)
Clay Center	26	1555CST			0	0	3	2	Hail (.75), TSTM Wind (52)
Longford	26	1610CST			0	0	3	3	TSTM Wind (61)
Osborne Co. 10S Osborne	26	1556CST			0	0	3	4	Hail (.75)
Trego Co. Collyer	26	1600CST			0	0	4	4	Hail (1.0)
Voda	26	1650CST			0	0	4	4	Hail (2.0)
1N Cedar Bluff	26	2015CST			0	0	4	4	Hail (2.0)
Ellis Co. 1E Victoria	26	1600CST			0	0	3	3	Hail (.75)
10S Ellis	26	1620CST			0	0	3	3	Hail (.75)
14S Hays	26	1700CST			0	0	3	3	Hail (1.5)
Pottawatomie Co. 5N Wamego	26	1615CST			0	0	2	2	Hail (.75)
Russell Co. 1W Russell	26	1615CST			0	0	3	3	Hail (1.75), TSTM Wind (52)
15S Russell	26	1640CST			0	0	2	3	Hail (1.0)
Geary Co. 7S Junction City	26	1705CST			1	0	0	0	Lightning
Lincoln Co. 15W Lincoln	26	1712CST			0	0	3	4	Hail (.75)

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED <sup>1</sup> DAMAGE	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED <sup>1</sup> DAMAGE	CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS								KILLED	INJURED	PROPERTY	CROPS		
<b>KANSAS</b>											<b>KANSAS</b>										
Rush Co. 5SW Leibenthal	26	1740CST			0	0	4	4	Hail (1.0)	Rawlins and Northwest Decatur Counties	29- 30	0600 to 1800CST				0	0	3	5	Flood	
Finney Co. 15N Garden City	26	1750CST			0	0	0	4	Hail (.75)												Heavy rains of 4 to 8 inches from thunderstorms on the evening of the 28th produced flooding along Beaver Creek in northwest Kansas. The city of Atwood reported water 1 to 3 feet deep in some parts of town. Highways US-36 and K-25 were closed in Rawlins County for nearly 24 hours because of the high waters. Crop damage was extensive across the region as many fields were under water.
15NE Garden City	26	1755CST			0	0	0	0	Funnel Cloud												
10NE Garden City	26	1810CST			0	0	0	4	Hail (.75)												
Garden City	26	1905CST			0	0	3	0	Hail (.75)												
Jackson Co. 5N Holton	26	1830 to 2100CST			0	0	0	4	Flash Flood	Finney Co. Garden City	29	2224CST				0	0	0	0	TSTM Wind (51)	
Leavenworth Co. 1NW Tonganoxie	26	1830CST			0	0	4	2	Hail (1.75)												A thunderstorm produced a wind gust of 59 MPH at the Garden City airport. No damage was reported.
Johnson Co. Desoto	26	1830CST			0	0	3	0	TSTM Wind	Smith Co. Cedar	30	1330CST				0	0	2	3	Hail (.75)	
Gardner	26	1855CST			0	0	3	3	TSTM Wind	Osborne Co. 5W Osborne	30	1359CST				0	0	2	4	Hail (1.75)	
Douglas Co. Baldwin City	26	1832CST			0	0	4	0	TSTM Wind	Alton	30	1430CST				0	0	2	3	Hail (1.75)	
Ness Co. 2W Brownell	26	1835CST			0	0	2	3	Hail (.75)	1NE Covert	30	1533CST				0	0	2	3	Hail (1.75), TSTM Wind (70)	
3E Brownell	26	1855CST			0	0	2	3	Hail (.75)	Downs Covert	30	2010CST				0	0	3	2	TSTM Wind (65)	
Gove Co. 20S Quinter	26	1840CST			0	0	4	5	Hail (4.0), TSTM Wind	Russell Co. Waldo	30	1545CST				0	0	2	3	Hail (.75)	
Franklin Co. Ottawa	26	1900CST			0	0	4	2	TSTM Wind	5N Russell	30	1616CST				0	0	4	3	Hail (1.75)	
Barton Co. Galatia	26	1950CST			0	0	2	3	Hail (.75)	Russell	30	1630CST				0	0	5	2	Hail (1.75), TSTM Wind (70)	
Seward Co. Liberal	26	2140CST			0	0	4	0	TSTM Wind (78)	Jewell Co. Burr Oak	30	1643CST				0	0	2	3	TSTM Wind (61)	
Several clusters and lines of severe thunderstorms moved across Kansas during the afternoon and evening hours. The storms produced large hail, up to softball size, high winds to 90 MPH and caused two flash floods. Heavy rains of up to 7 inches fell in Beloit, causing extensive flooding. Many homes and businesses reported water damage. The flood did an estimated \$300,000 in damage. Heavy rains near Holton also caused flooding along Highway 75, closing the road for a few hours. Softball size hail fell in Gove County, causing severe crop damage. A woman was struck and killed by lightning near Junction City when she got out of her car to take a picture of an approaching thunderstorm. The lightning struck her on the top of her head, then exited from her waist. She was killed instantly. F280. Lightning.											Burr Oak	30	1720CST				0	0	2	3	Hail (1.75)
											Burr Oak	30	1818CST				0	0	2	3	Hail (1.5), TSTM Wind (61)
Rawlins Co. 15NW Atwood	28	1700CST			0	0	4	6	Hail (2.0)	Burr Oak	30	1845 to 2000CST				0	0	3	4	Flash Flood	
McDonald	28	1706CST			0	0	5	5	Hail (2.0), TSTM Wind (67)	Barton Co. 20N Great Bend	30	1715CST				0	0	3	3	Hail (1.75), TSTM Wind (61)	
Cheyenne Co. Bird City	28	1750CST			0	0	4	5	Hail (1.0)	Norton Co. Norton	30	1930CST				0	0	3	4	Hail (1.0)	
St. Francis	28	1800CST			0	0	4	4	Hail (1.0)	Mitchell Co. 6W Beloit	30	1935CST				0	0	2	3	TSTM Wind (56)	
8S Wheeler	28	1838CST			0	0	4	4	Hail (1.0)	30	2005CST				0	0	2	3	Hail (.75)		
Sherman Co. 12N Goodland	28	1835CST			0	0	4	6	Hail (2.0)	30	2005CST				0	0	3	3	TSTM Wind		
9N Goodland	28	1845CST			0	0	4	6	Hail (1.0), TSTM Wind (55)	30	2100CST				0	0	2	3	Hail (.75)		
NWS Goodland	28	1859CST			0	0	3	0	Hail (2.0)	30	2115CST				0	0	2	3	TSTM Wind (52)		
Goodland	28	1905CST			0	0	5	3	Hail (2.0)	30	2100 to 2300CST				0	0	4	5	Flash Flood		
Goodland	28	2006CST			0	0	0	0	Funnel Cloud	Sherman Co. NWS Goodland	30	2137CST				0	0	0	0	TSTM Wind (58)	
NWS Goodland	28	2007CST			0	0	2	0	TSTM Wind (59)	10SW Goodland	30	2200CST				0	0	3	3	Hail (.75)	
A cluster of severe thunderstorms moved across northwest Kansas, bringing great destruction to the area from large hail, strong winds and heavy rain. Large hail and 60 to 70 MPH winds produced near total destruction of 100,000 to 150,000 acres of crops in the region. In the city of Goodland, nearly 2 million dollars in damage was done to homes, businesses and automobiles. In Sherman County alone, nearly 11 million dollars in damage was done by the storms.											Lincoln Co. 2N Sylvan Grove	30	2140CST				0	0	2	3	TSTM Wind (52)
											A series of severe thunderstorms developed across portions of north-central and northwest Kansas, then moved southward into central Kansas. The storms produced large hail, up to softball size, strong winds to 80 MPH and locally heavy rains that caused flash flooding. Strong winds across the area downed trees and power lines while hail did extensive damage to crops. Heavy rains of up to 7 inches in western Jewell County produced flash flooding in the Burr Oak area. Locally heavy rains of 9 inches near Hunter in southwest Mitchell County also caused flash flooding. The flood waters damaged farm buildings, killed some hogs and put several roads and bridges in the area under water. Crops were severely damaged in the flood.										
											SPECIAL HAIL SUMMARY										
											Kansas-Oklahoma Hail Loss Service reports indicate that hail was especially damaging to crops in the listed counties on the following dates:										
											06 Grant and Stevens										
											09 Haskell										
											10 Finney										
											17 Haskell and Gray										
											21 Haskell										
											24 Cheyenne										
											26 Grant, Gray, Haskell, Clay, Finney, Stevens, Ford, Ellis, Edwards and Cheyenne										
											28 Rawlins, Sherman and Cheyenne										
											30 Jewell and Osborne										

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE		CHARACTER OF STORM	
					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS		
												ESTIMATED DAMAGE
<b>15 KENTUCKY</b>												
Marshall Co.	01	1640CST			0	0	4	0			Thunderstorm Wind	
Winds gusting to 60 mph in Calvert City lifted two trailers off their foundation. In addition many trees and power lines were blown down.												
Marshall Co.	01	1645CST			0	0	2	2			Hail (0.75)	
Lyon Co.	01	1700CST			0	0	3	0			Thunderstorm Wind	
Thunderstorm winds knocked down trees and power lines in the community of Benton.												
Lyon Co.	01	1705CST			0	0	4	0			Thunderstorm Wind	
DES estimated 60 mph winds blew through Kuttawa. Power Company reported numerous trees and power lines down near Lake City.												
Christian Co.	03	1850CST	2.5	25	0	0	5	0			Tornado (F1)	
A tornado touched down in southern Hopkinsville, damaging a church and tearing a roof from a school as well as uprooting trees.												
Christian Co.	03	1906CST			0	0	4	0			Thunderstorm Wind	
Thunderstorm winds destroyed metal storage buildings and tore limbs off trees.												
Christian Co. 8SE Hopkinsville	03	1912CST			0	0	0	0			Hail (0.75)	
Webster Co.	12	1130CST			0	0	4	0			Thunderstorm Wind	
Strong thunderstorm winds damaged the fire station in Providence where an I-beam estimated to weigh 400 to 500 pounds was twisted. In addition the roof was blown from the city salt storage building.												
McLean Co.	12	1210CST			0	0	1	0			Thunderstorm Wind	
Thunderstorm winds uprooted several trees in Calhoun.												
Ohio Co.	12	1230CST			0	0	1	0			Thunderstorm Wind	
Thunderstorm winds uprooted trees in Reynolds Station.												
Meade Co.	12	1330EST			0	0	3	0			Thunderstorm Wind	
Strong thunderstorm winds blew trees and power lines down in the small community of Brandenburg.												
Shelby Co.	12	1417EST	1	40	0	0	5	0			Tornado (F1)	
A small tornado in western Shelby County, about 18 miles east of Louisville, did minor damage to several houses. In addition, at Purnells Sausage Co. 150 feet of metal roof was ripped off and power lines were torn down.												
Hert Co.	12	1400CST			1	0	0	0			Lightning	
Donald Priddy, age unknown, was struck by lightning as he worked on a car in a metal building.												
Calloway Co.	12	2100CST			0	0	4	0			Thunderstorm Wind	
Strong thunderstorm winds destroyed a large tobacco barn near New Providence.												
Hardin Co.	13	1735EST			0	0	4	0			Thunderstorm Wind	
Strong winds blew down trees and damaged barns near Glendale 35 miles south-southwest of Louisville.												
Hardin Co.	13	1753EST 1754EST			0	0	4	0	0	2	3	Thunderstorm Wind Hail (1.75)
Winds gusting to 60 mph damaged barns in Stephensburg and blew down trees in the western part of Elizabethtown.												
Bell Co.	15	1600EST			0	0	7	3			Flood	
More than 250 families were evacuated from their eastern Kentucky homes as rain-swollen creeks and rivers spilled over their banks. Nearly five inches of rain fell in six hours after several days of rain prior to the 15th. Bell, Clay and Leslie counties were hardest hit. In Bell County between 90 and 100 families were evacuated from the community of Arjay as the rising Cumberland River threatened homes. In Clay County, Goose Creek and Red Bird River spilled over to isolate about 30 homes in Oneida. In Leslie County 80 bridges were washed out and there was major damage to more than 200 homes. One mobile home was swept away and several homes were pushed off their foundations. Damage estimates were well into the millions of dollars.												
<b>— KENTUCKY</b>												
Logan Co.	18	1615CST			0	0	1	0			Thunderstorm Wind	
Thunderstorm winds blew large tree limbs off trees in Russellville.												
Warren Co.	18	1630CST 1635CST			0	0	1	0	0	0	Thunderstorm Wind Hail (1.00)	
Estimated 60 mph winds downed trees. One-inch hail was also reported with this storm in Bowling Green.												
Clark Co.	19	1715EST			0	1	0	0			Lightning	
A Winchester Police Department dispatcher was working the radio base and telephone communications when lightning struck. He was taken to a local hospital where he was treated and released.												
Magoffin Co.	22	1830EST			0	0	5	0			Flash Flood	
Nearly three inches of rain in a short period of time produced flash flooding. Several homes were damaged and some evacuations were required. In addition several roads were covered with water.												
Russell Co.	23	1230EST			1	0	0	0			Lightning	
Glen Antle, age 39, was struck and killed by lightning as he looked out of a house during a thunderstorm.												
Leslie Co.	23	2350EST			0	0	2	0			Flash Flood	
Over one inch of rain in a short period of time caused several streams and creeks to rise out of their banks.												
Logan Co. Russellville	26	1945CST			0	0	3	0			Thunderstorm Wind	
Thunderstorm winds downed power lines and uprooted trees.												
Logan Co. Auburn	26	1959CST			0	0	1	0			Thunderstorm Wind	
Thunderstorm winds downed trees.												
Warren Co.	26	2030CST			0	0	2	0			Thunderstorm Wind	
Thunderstorm winds uprooted trees, tore branches and snapped trees 4 miles south of Bowling Green.												
Boyd Co.	27	1810EST 1810EST			0	0	4	0	0	0	Thunderstorm Wind Hail (1.00)	
Strong thunderstorm winds blew large trees and power lines down. In addition 6 transformers were damaged due to lightning.												
Woodford Co.	27	1915EST			0	0	3	0			Thunderstorm Wind	
Thunderstorm winds in excess of 60 mph damaged four outbuildings and downed several trees on a horse farm.												
<b>16 LOUISIANA</b>												
DeSoto Parish, Benson	04	1545CST			0	0	?	?			TSTM Wind	
Red River Parish, Grand Bayou	04	1600CST			0	0	?	?			TSTM Wind	
Thunderstorm wind gusts blew down numerous trees at several locations in northwest Louisiana.												
Caddo Parish, Greenwood Shreveport	04	2125CST 2230CST			0	0	?	?			Hail (1.00) Hail (1.00)	
Bossier Parish, Benton	04	2148CST			0	0	?	?			Hail (1.00)	
DeSoto Parish, 5 E Logansport	04	2148CST			0	0	?	?			Hail (0.88)	
Red River Parish, 1 N Armistead	04	2350CST			0	0	?	?			Hail (1.75)	
Caddo Parish, Robson	05	0000CST			0	0	?	?			Hail (1.00)	
LAZ001, Extreme Northwest Louisiana	05	0000CST- 0400CST			0	0	?	?			Heavy Rain	
Caddo Parish, Shreveport	05	0100CST- 0500CST			0	0	?	?			Flash Flood	
DeSoto Parish, north portion	05	0100CST- 0500CST			0	0	?	?			Flash Flood	
Severe thunderstorms brought hail to several locations in extreme northwest Louisiana. Heavy rains of three to five inches fell during the early morning hours causing considerable flooding of roadways in the Shreveport area. U.S Highway 171 was closed near Keithville due to floodwaters.												



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED <sup>1</sup> DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>LOUISIANA</b>									
East Carroll Parish, Sondheimer	05	1650CST			0	0	?	?	Hail (0.88)
Madison Parish, 2 W Waverly	05	1700CST			0	0	?	?	Hail (0.88)
Richland Parish, 5 SE Delhi	05	1700CST			0	0	?	?	Hail (1.75)
Union Parish, 5 SE Delhi	05	1700CST			0	0	3	?	TSTM Wind
Bernice	05	1730CST			0	0	?	?	Hail (1.00)
Lincoln Parish, Unionville	05	1730CST			0	0	?	?	Hail (0.88)
Franklin Parish, Winnsboro	05	1820CST			0	0	?	?	Hail (1.75)
Tensas Parish, 4 E Newlight	05	1820CST			0	0	?	?	Hail (1.75)
Ouachita Parish, Calhoun	05	1845CST			0	0	?	?	Hail (1.75)
Tensas Parish, Lake Bruin	05	1920CST			0	0	?	?	Hail (1.00)
					A line of severe thunderstorms moved across northeast Louisiana with large hail reported in many areas.				
East Baton Rouge Parish, Baton Rouge	06	0030CST			0	0	?	?	Hail (1.00)
					One-inch hail was reported in southeast Baton Rouge, and one-half inch hail was reported in Ascension Parish.				
Winn Parish, Winnfield	07	1700CST			0	0	3	?	TSTM Wind
					A severe thunderstorm produced wind gusts which damaged a building.				
Vernon Parish, 6 NW Leesville	07	1800CST	2.0	40	0	0	5	?	Tornado (F1)
					A tornado touched down in the vicinity of Lake Vernon. Three mobile homes were overturned and 21 other houses and mobile homes had wind damage.				
Vernon Parish, 13 W Anacoco	07	2055CST	0.5	30	0	0	5	?	Tornado (F1)
12 W Anacoco to Anacoco	07	2055CST-2110CST			0	0	3	?	TSTM Wind
Fort Polk (POE)	07	2135CST			0	1	7	?	TSTM Wind (70)
Beauregard Parish, 5 N Longville to 8 WW Dry Creek	07	2130CST-2135CST	5.0	75	0	6	5	?	Tornado (F2)
5 NW Dry Creek	07	2150CST			0	0	?	?	TSTM Wind
					A cluster of severe thunderstorms produced a couple of tornadoes and damaging thunderstorm wind gusts at several locations as it moved across southwest Louisiana. A tornado touched down west of Anacoco, near Toledo Bend Reservoir, damaging a total of 20 mobile homes and trailers. Scattered thunderstorm wind damage was reported eastward to near Anacoco. The thunderstorms accelerated eastward across Vernon and Beauregard parishes producing damaging wind gusts, probably associated with thunderstorm downbursts. At Fort Polk, \$9 million damage was caused when wind gusts in excess of 70 miles an hour overturned or damaged 30 military helicopters and several hangars. Four housing units were damaged on the base, resulting in \$71,000 damage. In Beauregard Parish, 12 homes were heavily damaged or destroyed, and six persons suffered minor injuries in an area north of Longville. In this heavily forested area, trees were snapped off approximately 25 feet above their base over an area five miles long, and in some locations, several hundred yards wide, attesting to large size and strength of the vortex.				
St. Landry Parish, 2 S Opelousas	07	2240CST			0	0	3	0	TSTM Wind
Avoyelles Parish, Marksville	07	2250CST	0.3	40	0	2	4	?	Tornado(F1)
					Intense thunderstorm activity continued to move rapidly east. A mobile home was overturned by wind gusts near Opelousas. A severe thunderstorm near Marksville produced a tornado which heavily damaged a house and injured the two occupants.				
East Feliciana Parish, 5 W Clinton	07	2315CST			0	0	?	?	TSTM Wind
Iberville Parish, 2 NW Plaquemine	07	2355CST			0	0	0	0	Hail (1.75)
1 NW Plaquemine	08	0015CST			0	0	?	?	TSTM Wind
East Baton Rouge Parish, Southeast Baton Rouge	08	0015CST			0	0	3	0	TSTM Wind
Livingston Parish, Denham Springs	08	0015CST			0	0	3	0	TSTM Wind
Ascension Parish, parish wide	08	0025CST			0	0	?	?	TSTM Wind
					Thunderstorm wind gusts caused damage to house roofs in the southeast portion of Baton Rouge and at Denham Springs, and downed trees and power lines west of Clinton, near Plaquemine, and in several locations in Ascension Parish.				
St. Tammany Parish, 8 S Mandeville	08	0100CST			0	0	0	0	TSTM Wind (65)
Slidell	08	0115CST			0	0	3	0	TSTM Wind
					A severe thunderstorm produced a wind gust of 75 mph at an automatic gauge in the middle of Lake Ponchartrain, and minor property damage was reported in the south portion of Slidell due to thunderstorm wind gusts.				
<b>LOUISIANA</b>									
Iberville and West Baton Rouge Parishes, 4 SW Grosse Tete to 6 ENE Grosse Tete	08	0504CST-0517CST	10.0	75	2	30	6	?	Tornado(F2)
West and East Baton Rouge Parishes, Lobdell to 3 ENE Ryan Field Baton Rouge (BTR)	08	0530CST-0543CST	9.5	60	0	60	6	?	Tornado(F2)
Livingston and St. Helena Parishes, 4 NE Watson to 6 SW Pine Grove	08	0600CST-0610CST	4.0	50	0	0	4	?	Tornado(F2)
Iberville Parish, 2 W Plaquemine	08	0600CST	2.5	50	0	0	4	?	Tornado(F1)
East Baton Rouge and Livingston Parishes, 3 NE Longwood to 2 SSW Denham Spring	08	0625CST-0645CST	8.0	75	0	1	5	?	Tornado(F1)
Livingston Parish, 2 S Walker to Satsuma	08	0657CST-0712CST	5.0	40	0	0	4	?	Tornado(F1)
St. Helena Parish, 3 NE Montpelier	08	0650CST	2.0	40	0	0	5	?	Tornado(F1)
Tangipahoa Parish, 1 E Amite to Wilmer	08	0715CST-0730CST	9.0	40	0	1	5	?	Tornado(F1)
Washington Parish, 5 NW Franklinton	08	0745CST			0	0	0	0	Funnel Cloud
					A cluster of severe thunderstorms developed west of Lafayette around sunrise, intensified, and moved east and northeast. An intense thunderstorm spawned three F2 intensity tornadoes as it moved from west of Grosse Tete across north Baton Rouge into St. Helena Parish. The first tornado touched down just west of Grosse Tete, moved across the small town, and destroyed or severely damaged a total of 32 structures, including mobile homes. Another 47 structures had minor damage. Two persons were killed and 30 individuals suffered injuries, two of which were serious. Total damage in Grosse Tete was \$1.3 million. The next tornado segment started near Lobdell then crossed the Mississippi River into Scotlandville, on the north side of Baton Rouge, and ended northeast of Baton Rouge. Approximately 90 houses and 35 mobile homes had extensive damage, mainly to roofs, siding, and windows. Falling trees and large tree branches also took their toll on many houses. Around 60 persons suffered minor injuries, mainly from flying glass and debris. Most of the damage occurred in the Scotlandville area. The last tornado segment was in a wooded, sparsely populated area of north Livingston and south St. Helena parishes. F30M, M30M.				
					A second severe thunderstorm spawned another series of tornado paths, just southeast of the previous damage path, as it tracked from near the town of Plaquemine to northern Tangipahoa Parish. The first tornado segment was near Plaquemine where 10 houses had roof damage. More substantial tornado damage occurred from near Longwood to Denham Springs, and from Walker to Satsuma. Approximately 17 homes and 10 mobile homes were destroyed or suffered major damage in these paths. Total damage in East Baton Rouge Parish from the two tornadoes that moved through the parish was estimated at around \$500,000.				
					A tornado was also reported northeast of Montpelier which destroyed or heavily damaged 8 mobile homes and 12 houses. In Tangipahoa Parish, several houses and buildings were damaged and trees downed when a tornado skipped along an intermittent path from east of Amite to near Wilmer. One man was injured northeast of Amite when his mobile home was hit by the tornado.				
Matchitoches Parish, Chopin	09	1925CST			0	0	?	?	TSTM Wind
Galbraith	09	1930CST			0	0	?	?	Hail (0.88)
Grant Parish, Colfax	09	1930CST			0	0	?	?	Hail (1.50)
					Thunderstorms produced hail at a couple of locations and wind gusts which downed trees near Chopin.				
Iberville Parish, Plaquemine	10	1425CST			0	0	?	0	Lightning
					A lightning strike ignited a storage tank containing 2.5 million gallons of methanol. The fire was allowed to burn itself out without further incident.				
Madison Parish, Delta	13	1708CST			0	0	0	0	Hail (1.00)
Caddo Parish, Dixie	13	2225CST			0	0	0	0	Hail (0.88)
Bossier Parish, Bellevue	13	2245CST			0	0	?	?	TSTM Wind
					Thunderstorms produced hail at a few locations in north Louisiana, and thunderstorm wind gusts downed a few trees near Bellevue				

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	

## LOUISIANA

St. Mary Parish, Berwick Bay, Amelia	14 1330CST 14 1337CST					0 0 0 0	0 0 0 0	Waterspout TSTM Wind (60)	
A large waterspout formed over Berwick Bay from an intense thunderstorm and was observed for two minutes before dissipating. A thunderstorm wind gust of 59 mph was recorded a short time later at a heliport near Amelia.									
Plaquemines Parish, Buras	19 0400CST					0 0	3 0	TSTM Wind	
An early morning intense thunderstorm produced wind gusts sufficient to roll a mobile home.									
LAZ001-002-003-005-006-007-008-009-011-012	25 2100CST- 01 2400CST					1 0	7 8	Tropical Storm, Heavy Rain	
LAZ006-007-008	28 0000CST- 07 2400CST					0 0	0 0	Flood	
LAZ001-002-005	29 1200CST- 07 2400CST					0 0	0 0	Flood	
All but extreme northeast and extreme southeast sections									
Tropical Storm Allison moved ashore in south Texas on June 26th and continued northeast before being downgraded to a tropical depression on the 27th. Tides along Cameron Parish were 1 to 2 feet above normal on the 25th and 26th, causing minor flooding of Louisiana Highway 82 at Johnson Bayou. The depression and remnant low pressure system moved very slowly, and erratically about east Texas during the last 4 days of the month before moving northeast into Arkansas on July 1st. Although the only time the center of the circulation was over Louisiana was the morning of June 28, rain bands and thunderstorms associated with the decaying tropical storm raked the state for several days producing excessive rainfall, flash flooding, and tornadoes. Rainfall during this five day period was greatest in a large swath from the Lake Charles area northward to Winnfield, with storm totals ranging between 12 and 20 inches. There were several occasions of intense thunderstorm activity lasting 6 to 12 hours which caused flash flooding at several locations. Tornadoes also caused damage in southwest and north-central Louisiana. The flash flood and tornado events are described individually in later sections.									
The excessive rainfall over a large area of the state eventually caused widespread flooding, especially in low-lying areas near rivers, bayous, and lakes.									
The Calcasieu River rose above flood stage on the 28th along its entire reach from Rapides through Allen and Calcasieu parishes. The river eventually crested near or above record stages on the 30th on the upper reaches and on July 2nd and 3rd on the lower reaches. Over 200 houses were flooded in the Oakdale area, some with water to their ceilings. In and around Lake Charles, 300 houses were flooded. Dozens of other homes and businesses were flooded along the remainder of the river.									
In the area between Shreveport and Alexandria, the combination of extensive heavy rainfall of 10 to 20 inches and high stages on the Red River set the stage for widespread flooding of hundreds of thousands of acres of cropland, and numerous roadways and bridges in Winn, Natchitoches, Grant, Red River, Bienville and Sabine parishes. The Red River reached flood stage for the first time since 1973 at Grand Coteau from July 4th through 7th. Saline Lake and Lake Black/Clear crested at 15.8 and 16.4 ft above normal pool, respectively, around July 4th. Approximately 500 structures were flooded along the shores of these lakes. The severity of the flooding approached the 1945 flooding episode. Backwater flooding from the Red River also caused flooding in several areas of Alexandria.									
Extensive flooding occurred in many areas of Beauregard and Vernon parishes from the combination of heavy rainfall and high levels of the Sabine River. Around 200 structures were flooded in Beauregard Parish, mostly around Bundick Lake, and extensive flooding of low-lying areas near the Sabine River occurred in both Vernon and Beauregard parishes.									
The widespread heavy rainfall compounded the wet weather problems plaguing the Louisiana farmers since May. Because of the wet weather in May and June, including that from T.S. Allison, 400,000 acres of soybeans were not planted and another 400,000 acres were severely impacted by water damage. Over 30,000 acres of cotton were ruined because of the wet weather. In July of 1989, the Louisiana Cooperative Extension Service made a preliminary estimate that due to wet weather in May and June, agricultural losses in Louisiana will approach \$200 million. Rainfall from Allison is probably responsible for half of the total losses.									
Many parishes suffered damage to roadways and bridges because of the heavy rain. Total losses will likely be in the \$3 million dollar range.									
Three fatalities were associated with Tropical Storm Allison and its remnant low pressure system, all due to drowning. One fatality occurred in June and two in July. On the night of June 30th, a man drowned in a flooded bayou in southern Rapides Parish. The two other storm-related fatalities will be listed in the July Storm Data report. M340.									

## LOUISIANA

Jefferson Davis Parish, Elton	27 0200CST					0 0	3 ?	TSTM Wind	Wind gusts associated with a severe thunderstorm downed numerous trees and damaged several outbuildings at a farm.
Calcasieu Parish, Vinton	27 0605CST					0 0	0 0	TSTM Wind	
Vinton	27 0605CST					0 0	0 0	Funnel Cloud	
Chenault Airpark	27 0730CST					0 0	4 0	TSTM Wind	
Cameron Parish, Hackberry	27 0720CST	1.5	40			0 2	5 0	Tornado (F1)	
Beauregard, Calcasieu and Vernon Parishes	27 0600CST- 1000CST					0 0	5 0	Flash Flood	Intense thunderstorms associated with T.D. Allison moved ashore in southwest Louisiana around sunrise. A funnel cloud was sighted near Vinton and wind gusts were estimated around 60 mph. A tornado touched down at Hackberry, destroying 4 houses and heavily damaging 12 others. Two persons suffered minor injuries. The tornado moved across the Strategic Petroleum Reserve Facility, damaging a mobile home and blowing the roof off of a house. At the Chenault Airpark, thunderstorm wind gusts took the roofs off of two buildings, and damaged a hangar door. The thunderstorms brought torrential rains of 4 to 6 inches in a short period of time, flooding a number of rural roadways. Several homes in Sulphur were flooded.
Jackson Parish, Jonesboro	27 1455CST					0 0	0 0	Funnel Cloud	
Caldwell Parish, west portion	27 1455CST					0 0	0 0	Funnel Clouds	
Quachita Parish, 2 N MLU to 4 NNE MLU	27 1530CST- 1545CST	2.0	75			0 0	5 ?	Tornado (F1)	
1 S MLU	27 1613CST	0.2	30			0 0	? ?	Tornado (F1)	
Morehouse Parish, 8 SW Bastrop	27 1625CST	0.2	30			0 0	? ?	Tornado (F1)	
Richland Parish, Start	27 1640CST	0.2	30			0 0	? ?	Tornado (F1)	
Quachita Parish, Drew	27 1645CST	0.2	30			0 0	? ?	Tornado (F1)	Several short-lived tornadoes developed from thunderstorm activity over north-central Louisiana associated with T.D. Allison. The most significant tornado touched down on the northeast side of Monroe, with the greatest damage occurring when the tornado cut a path one mile long and two blocks wide through two housing subdivisions. Five houses were declared total losses, 10 other homes sustained heavy damage, and 100 homes had minor damage. Numerous trees were also uprooted. Total damage from the tornado was estimated at \$350,000. The other tornadoes were relatively short lived and downed trees and power poles in rural areas.
Natchitoches and Winn Parishes	27 2030CST- 28 0500CST					0 0	? ?	Flash Flood	Thunderstorms associated with Tropical Depression Allison brought rainfall of 4 to 6 inches during the late night and early morning hours. Some roads were washed out near Gorum, and numerous roads were closed due to high water in both parishes.
East Baton Rouge, West Baton Rouge, Iberville, and Pointe Coupee Parishes	28 0130CST- 1000CST					0 0	6 ?	Flash Flood	Seven to ten inches of rain fell in a twelve hour period over east-central Louisiana. In Iberville Parish, seven inches of rain fell in a 5 hour period during the late night and early morning hours. 300 homes were flooded in Iberville Parish causing over one million dollars damage. In the Baton Rouge area, 175 homes and 15 mobile homes suffered major flood damage, and numerous roads were flooded. Extensive flooding was also reported on the campus of Louisiana State University. In Pointe Coupee Parish, a number of homes and businesses were flooded as runoff was restricted because of high water levels in the False River.
Natchitoches, Winn, southeast Red River, western Sabine, south Desoto, and south Bienville Parishes	28 2100CST- 29 1200CST					0 0	? ?	Flash Flood	Torrential rains occurred over the same area that experienced heavy rain the night before. Rainfall totals of 6 to 12 inches were common over the area. All roads leading into the town of Winnfield were closed early in the morning due to the extensive flooding. An unofficial rainfall observer in Winnfield reported around 11 inches of rain between 1900CST and 2315CST that night. Many homes were flooded in Winnfield and over 100 persons sought refuge in shelters because of widespread flooding. Numerous rural roadway were flooded in the above named parishes and remained so into early July. As of July 3, over 200 homes remained flooded in Winn Parish.
Evangeline Parish, 2 N Vidrine	29 0907CST	0.2	25			0 0	0 0	Tornado (F1)	A sheriff's officer observed a tornado north of Vidrine. No damage was reported.
St. Tammany Parish, Covington	29 1700CST- 2000CST					0 0	? ?	Heavy Rain	A small area in the south portion of Covington received an estimated six inches of rain in less than three hours. Street flooding was widespread and a few cars were flooded.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>— LOUISIANA</b>									
Franklin Parish, Chase Madison Parish, west portion	30	1545CST	0.5	40	0	0	?	?	Tornado (F1)
	A state policeman observed a tornado moving across open country near Chase. The tornado downed trees and power lines. A funnel cloud was later observed in western Madison Parish.								
Webster Parish	30	2000CST-01 0500CST			0	0	5	?	Flash Flood
Rainfall amounts of four to five inches on already saturated soil caused many small streams to rise out of their banks. Twenty parish roads were washed out amounting to \$250,000 damage, and 20 families were evacuated due to flood waters.									
<b>17 MAINE</b>									
Franklin County, GNE Farmington	18	1320EST	1.3	125	0	0	5	0	Tornado (F1)
A tornado touched down in Franklin County in the small town of Industry which is 6 miles northeast of Farmington. The path of the tornado took it across two farms where two houses suffered heavy damage, a garage collapsed after its roof was blown away, and a pop-up camper was hurled through the air and smashed into a tree. One of the damaged houses had a tree driven through its side into a bathroom. Hundreds of trees were blown down, as the area is mostly forested.									
Penobscot County	18	1509EST			0	0	4	0	Thunderstorm Wind
Thunderstorms passing through Penobscot County late in the afternoon produced strong damaging winds in Bangor. Wind speeds of 69 mph were recorded at the Bangor Airport and many power lines were downed throughout the city. Cars, houses and several commercial buildings were damaged as trees were blown on top of them.									
<b>18 MARYLAND and D.C.</b>									
St. Marys Co, Tall Timbers Somerset Co.	2	1640EST			0	0	?	?	Thunderstorm Wind (51 kt)
	2	1715EST			0	0	?	?	Thunderstorm Wind
Trees were knocked down in Somerset County, and two homes sustained minor structural damage from strong thunderstorm winds.									
MD2005 South-Central Maryland	5	1915EST			0	0	?	0	Heavy Rain
Several intersections in Annapolis were flooded when an inch of rain fell in a short time.									
Prince Georges Co.	5	2050EST			0	0	?	?	Thunderstorm Wind
A tobacco barn and two sheds were flattened; a large tree was blown down, and some house siding ripped off.									
Charles Co, Waldorf	5	2100EST			0	0	?	?	Thunderstorm Wind
A barn roof was torn off, a carport collapsed, and trees were blown onto cars. Spectacular lightning was reported as well.									
Howard Co.	5	2120EST			0	0	5	0	Lightning
Three houses were struck and set afire by lightning, causing an estimated \$80,000 damage. Emergency vehicles had to cease driving when heavy rains made roads and visibility unsafe.									
Talbot Co, Easton	5	2145EST			0	0	?	?	Thunderstorm Wind
Many trees were blown down, and some houses sustained structural damage. The path of damage was 2.5 miles long and 1 mile wide.									
<b>— MARYLAND and D.C.</b>									
Washington Co, Hagerstown	9	1700EST			0	2	0	0	Flash Flood
One inch of rain fell in 15 minutes time. Two boys were swept 1/2 mile down Marsh Run Creek before being rescued from the high water.									
Frederick Co.	9	1730EST			0	0	?	?	Thunderstorm Wind
Strong thunderstorm winds blew over a large tree, a storage shed, and a silo.									
Carroll Co, Westminster and Gamber	9	1805EST			0	0	?	?	Thunderstorm Wind
	9	1805EST			0	0	0	0	Funnel Cloud
Trees were reported down in Westminster. A small outer building and a deck were damaged in Gamber, where a funnel cloud also was reported by the public.									
Baltimore Co, Maryland Line	9	1845EST			0	0	?	?	Thunderstorm Wind
Trees were downed and outer buildings were toppled on a farm.									
District of Columbia	14	1540EST			0	0	7	0	Thunderstorm Wind
	14	1540EST			0	0	?	0	Hail (1.75)
Montgomery Co.	14	1540EST			0	0	7	0	Thunderstorm Wind
In what the local power company called its worst incident of storm-induced power outages, strong winds estimated at 70 to 85 mph lasting 7 to 8 minutes, and accompanied by torrential rains, knocked down hundreds of trees, including many large ones; 200 trees were down in one city block alone. The power company reported 170,000 customers were without power, some for nearly a week. In Bethesda, a 12 foot boat was blown out of the yard. Golfball size hail was reported in northwest DC. The areas hardest hit were northwest DC, and Chevy Chase, Bethesda and Takoma Park in Montgomery County. Thirty schools were closed in the area. Numerous houses and vehicles were seriously damaged by the falling trees, but amazingly there were no injuries. Additionally, roads were briefly flooded by the heavy rains. The total cleanup bill has been estimated at \$28 million.									
Prince Georges Co, Takoma Park and Hyattsville	14	1615EST			0	0	?	0	Thunderstorm Wind
Numerous trees were reported down in Takoma Park and Hyattsville.									
Talbot Co, Easton	14	1700EST			0	0	?	?	Thunderstorm Wind
Strong winds uprooted large trees causing damage to some mobile homes. Some sheds in the mobile home park were tossed around.									
Dorchester Co.	14	1710EST			0	0	?	?	Thunderstorm Wind
Trees were reported down east of Cambridge.									
Caroline Co.	14	1725EST			0	0	?	?	Thunderstorm Wind
Trees were downed between Preston and Federalsburg.									
MD2002 Eastern Shore	14	1730EST			0	0	?	?	Heavy Rain
Streets in Cambridge were flooded as 2 1/2 inches of rain fell during the night.									
Worcester Co, Bishopville	14	1845EST			0	0	?	?	Tornado (F0)
The public reported a funnel which had apparently touched down briefly in a wooded area. Some trees were toppled and the limbs were strewn about in a circular manner in a short and narrow path.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	

**MARYLAND and D.C.**

Somerset Co.	14	1926EST	0	0	?	?	Thunderstorm Wind	Winds gusted up to 48 knots at Deal Island. Trees and power lines were downed in the southeast part of the county. In Fairmount a garage was demolished, 2 boats were damaged, and a shed was moved off its foundation. A house was damaged by a falling tree in Westover.
Prince Georges Co, Laurel	15	1715EST	0	0	?	?	Thunderstorm Wind	Trees and limbs were reported down.
Charles Co, La Plata and Waldorf	15	1730EST	0	0	?	?	Thunderstorm Wind	Trees and power lines were reported down in La Plata and Waldorf; 13 roads were blocked by the trees. In La Plata, 2/3 of a store roof was blown off. A house was set afire by lightning, and 10,000 were without power.
Harford Co, Edgewood	15	1745EST	0	0	?	?	Thunderstorm Wind (61 kt)	Aberdeen Proving Grounds reported winds to 61 knots.
Anne Arundel Co.	15	1755EST	0	0	?	?	Thunderstorm Wind	Numerous roads were closed due to many trees and power lines knocked down across them.
Kent Co, Worton	15	1830EST	0	0	?	?	Thunderstorm Wind	Heavy rains and strong thunderstorm winds caused an 80 foot pole at a ball field to snap in two. The roof of the dugout was torn off. There were many trees down, and an old barn was blown off its foundation. Hail was also reported.
Calvert Co, Dunkirk	16	1550EST	0	0	?	?	Thunderstorm Wind	Trees and power lines were downed.
Anne Arundel Co.	16	1600EST	0	0	?	?	Thunderstorm Wind	Roads in the southern part of the county, in Traceys Landing and Nutwell, were closed due to trees blown down across them.
Talbot Co, Oxford	16	1645EST	0	0	?	?	Thunderstorm Wind	Trees and power lines were downed.
Caroline Co.	16	1715EST	0	0	?	?	Thunderstorm Wind	Trees were downed across roads between Smithville and Federalsburg.
MDZ008-009 Western Maryland	16	1730EST	0	0	?	?	Heavy Rain	Heavy rains resulted in standing water on roads. Allegany County reported 1.4 inches fell in 1 hour, 30 minutes.
St. Marys Co, Tall Timbers	16	1840EST	0	0	?	?	Thunderstorm Wind (54 kts)	
MDZ005 South-Central Maryland	20	1230EST	0	0	?	0	Urban Flooding	Basements in Baltimore were flooded, and cars were under water in isolated sections of the city.
Prince Georges Co, Bowie	20	1450EST 1455EST	0	0	?	0	Heavy Rain Lightning	Street flooding occurred as Bowie received 3.64 inches of rain in 3 hours. Additionally, 2 homes were set afire by lightning. Interstate travel in the county was brought to a stop by poor visibility and rain-soaked roads.

**MARYLAND and D.C.**

MDZ005 South-Central Maryland	20	1500EST	0	0	?	0	Heavy Rain	Heavy rains of 2 inches or more in Annapolis flooded an apartment building, resulting in evacuations.
MDZ005 South-Central Maryland	20	Late Afternoon	0	0	?	?	River Flooding	The Middle Patuxent River rose to 12.9 feet, 10 feet above normal. The Little Patuxent River rose 6 feet above normal to 8.5 feet. A bridge over the Middle Patuxent River was nearly covered, and a young woman was briefly trapped in her car by rising waters. The Elkridge Fire Department reported 2.2 inches of rain.
MDZ002 Eastern Shore	20	1815EST	0	0	?	?	Flooding	Numerous roads were closed around Chestertown due to flooding, with 2 feet of water reported. Water came into some houses at Crumpton near the Chester River. Heavy rains and high waters in the Chester River undermined some trees near Sudlersville, causing numerous road closings.
Allegany Co, Flintstone	21	0430EST	0	0	?	?	Flash Flood	Nearly an inch of rain fell over the county in one hour. Two bridges were covered with water, and several roads were washed out. A creek in Flintstone rose out of its banks, surrounding 3 homes. Two people had to be rescued off the roof of a mobile home by helicopter.
MDZ001 Eastern Shore	22	1600EST	0	0	?	?	Heavy Rain	Two inches of rain in 1 hour in Salisbury caused locally severe flooding of homes and businesses, as well as flooded streets.
Prince Georges Co, Bowie	22	2000EST	0	0	4	0	Lightning	Three homes were set afire by lightning. Estimated damage to one house was \$10,000.
Allegany Co.	22	2230EST	0	0	6	?	Flash Flood	Six people had to be rescued from rapidly rising waters, and 75 others were evacuated. Property damage estimated at \$1.5 million occurred.
MDZ007 Western Maryland	22-23		0	0	?	?	Heavy Rain	Roads near the Monocacy River in Frederick County were under water as the river gradually rose during June 20-23. It began slowly subsiding on the 24th.
Anne Arundel Co, Pasadena	23	0920EST	0	0	0	0	Funnel Cloud	
MDZ003 Northeastern Maryland	23	0930EST	0	0	?	?	Heavy Rain	Several roads were closed in the northeast part of Cecil County. Rainfall in Elkton was reported at 1.25 inches in 20 minutes, and just over 2 inches in 1 hour.
Anne Arundel Co, Annapolis	23	0930EST	0	0	?	0	Lightning	Lightning hit a day care center, and set a shed on fire.
Allegany Co, Cumberland	23	1030EST	0	?	?	?	Flash Flood	Waters rose quickly due to heavy rains; 4 vehicles were trapped in water on Route 40. The force of the water ripped out concrete barriers on Route 40 and a trash dumpster was moved 2 miles. Route 40 was closed for 6 hours, and a number of other roads were affected as well.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED <sup>1</sup> DAMAGE		CHARACTER OF STORM	
					KILLED	INJURED	PROPERTY	CROPS		
<b>— MARYLAND and D.C.</b>										
MDZ005 South-Central Maryland	23	1100EST			0	0	?	0	Heavy Rain	Several roads were closed near BWI Airport due to flooding from heavy rains. Route 50, a major east-west artery, was also flooded.
MDZ001 Lower Eastern Shore	23	1315EST			0	0	?	?	Heavy Rain	Sections of Route 313 between Eldorado and Mardella Springs were under water.
MDZ007 Western Maryland	23	1530EST			0	0	?	?	Heavy Rain	Rains of 0.90 inch in one hour fell in Finksburg.
MDZ007 Western Maryland	23	1700EST			0	0	?	?	Heavy Rain	Some creeks in the county were turned into "rushing mud baths." People camping out in the Thurmont area were flooded.
District of Columbia	23	1730EST			1	3	?	0	Heavy Rain	Over 1 inch of rain fell in 1 hour in the city, resulting in flooded streets. A pickup truck went into swollen Rock Creek; 1 man drowned, and the other 3 were rescued. N35V
Allegany Co, Ellerslie	23	2130EST			0	0	?	?	Heavy Rain	Basements were flooded, and roads were closed due to high waters.
Harford Co, Rocks State Park	25	1750EST			0	0	?	0	Thunderstorm Wind	
	25	1750EST			0	0	0	0	Funnel Clouds	There was extensive damage to large trees, and power lines were downed. Several houses, mobile homes, trailers and outer buildings were damaged by falling trees. The damage area was 1/4 to 1/2 mile long, and 1 mile wide. Several eyewitnesses reported seeing 2 funnel clouds in the area.
Allegany Co, Cumberland	26	2035EST			0	0	?	?	Thunderstorm Wind	
	26	2035EST			0	0	?	0	Lightning	Trees and power lines were downed by strong winds. Lightning hit a house and set it on fire.
Baltimore Co, Cockeysville	26	2355EST			0	0	?	?	Thunderstorm Wind	Trees and power lines were downed by strong gusty thunderstorm winds.
Harford Co.	27	0005EST			0	0	?	?	Thunderstorm Wind	Trees and power lines were reported down.
Cecil Co.	27	0030EST			0	0	?	?	Thunderstorm Wind	Downed trees partially blocked roads in the northern part of the county.
Garrett Co.	27	2015EST			0	0	?	?	Thunderstorm Wind	Trees were reported down. Power and communication lines were out throughout the county. There were 2 unconfirmed reports of funnel clouds near Oakland.
Allegany Co.	27	2040EST			0	0	?	?	Thunderstorm Wind	Large trees were downed, some of them falling on cars. Power and communication lines were also downed.
<b>19 MASSACHUSETTS</b>										
Northern Franklin County	02	1400EST-1430EST			0	0	5	0	TSTM Winds (50 kts)	A line of heavy thunderstorms, some of them severe, swept eastward across the area with gusty winds knocking down trees and tree limbs which resulted in scattered power outages affecting up to about 4,800 electric customers. Scattered property damage was reported.
N. Worcester County, Phillipston	02	1410EST			0	0	4	0	TSTM Winds (45 kts)	Gusts between 40 and 50 kts were reported.
Northern Worcester County; Winchendon, Ashburnham, Lunenburg, and vicinity	02	1430EST-1500EST			0	0	5	0	TSTM Winds (60 kts)	A line of heavy thunderstorms, some severe, crossed the area from west to east with wind gusts up to 70 MPH downing trees and tree limbs, which knocked out electric service to thousands of customers. Numerous roads were blocked by fallen trees and there were many reports of damage to houses and automobiles.
Northern Worcester County, Fitchburg	02	1432EST-1455EST			1	2	6	0	TSTM Winds (110 kts)	A severe thunderstorm, part of a line of heavy thunderstorms which moved eastward across northern Worcester County, ripped through the city of Fitchburg causing heavy property damage, the loss of one life, and at least two injuries. The event was termed a "microburst" after National Weather Service investigation. Wind gusts were estimated to have been up to at least 120 MPH. Two church steeples were blown down, with one of them falling onto an automobile, killing the driver. Several buildings were heavily damaged, including a manufacturing plant where the roof was blown off and partially collapsed into the fourth floor. Many large trees were uprooted and up to 15,000 customers lost power in the city. The most severe damage was along about a mile long path from west to east through the city. Damage estimates ranged up to 3 to 5 million dollars. F53V.
Southeastern Worcester County and Western Norfolk County; Milford, Norfolk, Medway, Walpole and Franklin area	02	1435EST-1530EST			0	0	0	0	TSTM Winds (60 kts)	A severe thunderstorm moved from west to east across the area with gusty winds, frequent lightning strikes and torrential rain. Many trees and tree limbs were blown down causing scattered property damage and power outages. Up to 2 inches of rain fell in about 30 minutes in some areas, flooding roads and basements.
Worcester County, Gardner	02	1440EST			0	0	4	0	TSTM Winds (70 kts)	Very strong thunderstorm winds knocked down many trees, and electric service was out for thousands of customers.
Northern Middlesex County; Groton, and Westford area	02	1445EST-1515EST			0	4	5	0	TSTM Winds (60 kts)	A line of heavy thunderstorms, some severe, crossed the area, with gusty winds knocking down many trees and tree limbs. In Groton, a tree fell on the front portion of a schoolbus, slightly injuring the driver and three children. There were many reports of property damage and scattered power losses. Farther south in the county there were reports of trees blown down in scattered areas, including Stoneham and Malden.
Norfolk County, Walpole	02	1515EST			0	0	0	0	Hail (.75 in)	
Norfolk County, Stoughton	02	1515EST			0	0	3	0	TSTM Winds (45 kts)	Pea size hail and thunderstorm winds up to 50 MPH were reported.
Suffolk County, Revere	02	1520EST			0	0	0	0	Hail (.75 in)	
Middlesex County, Malden	02	1520EST			0	0	0	0	Hail (.75 in)	

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

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					KILLED	INURED	PROPERTY	CROPS	
<b>20 MICHIGAN</b>									
Berrien County, Niles	01	0740EST			0	0	0		TSTM Wind
					Scattered large tree limbs were downed.				
Cass County, Edwardsburg and Jones	03	1035EST			0	0	0		TSTM Wind
					Large trees were downed.				
Monroe County, Monroe	03	1215EST			0	0	0		TSTM Wind (52)
					Trees and power lines were downed.				
Oakland County: Farmington Hills	09	1525EST			0	0	3		Lightning
Milford	09	1530EST			0	0	5		Lightning
Waterford	09	1548EST			0	0	0		Hail (0.75)
Holly	09	1626EST			0	0	0		Hail (0.75)
Macomb County, Armada	09	1543EST			0	0	0		TSTM Wind
Wayne County: Trenton	09	1608EST			0	0	0		TSTM Wind
Westland	09	1645EST			0	0	0		Hail (1.75)
Romulus	09	1650EST			0	0	0		Hail (1.25)
Genesee County, Penton	09	1620EST			0	0	0		Hail (0.75)
Oakland County, Farmington Hills	14	0810EST			0	0	4		Lightning
Marquette County, Arnold	23	1600EST			0	0	4		Lightning
Barry County, near Delton	23	1915EST			2	0	0		Lightning
					A couple under a tree at the edge of Balke Lake were killed by lightning. N410, P360.				
Van Buren County, Keeler	26	1539EST			0	0	0		Hail (0.75)
Berrien County: Eau Claire	26	1633EST			0	2	0		Lightning
2 N Niles	26	1700EST			0	0	0		Hail (0.75)
Cass County, Dowagiac	26	1635EST			0	0	0		Hail (1.75)
Allegan County, Wayland	26	1715EST			0	0	3		TSTM Wind (57)
Barry County	26	1720EST			0	0	2		TSTM Wind
Ionia County, Clarksville	26	1720EST			0	0	3		TSTM Wind
Ingham County, Onondaga	26	1725EST			0	0	0		TSTM Wind
Oakland County: Pontiac Airport	26	1745EST			0	0	0		TSTM Wind (50)
1 N Waterford	26	1756EST			0	0	2		TSTM Wind
Holly	26	1845EST			0	2	0		Lightning
near Clarkston	26	1850EST			0	0	4		Lightning
Macomb County: 5 NNE Utica	26	1756EST			0	0	4		Lightning
Macomb	26	1813EST			0	0	0		TSTM Wind (52)
Wayne County: Detroit City Airport	26	1904EST			0	0	0		Hail (0.75)
countywide	26	1915EST			0	1	2		TSTM Wind
					A man was injured in Wayne County when a brick wall was blown down. Two persons watching television were slightly injured by lightning at Holly. A barn was blown away near Clarksville.				
Lapeer County, Dryden	26	1648EST			0	2	0		Lightning
					Two construction workers were struck.				
Ingham County: near Leslie	26	1710EST			0	0	0		Hail (1.00)
Okemos	26	1840EST			0	0	0		TSTM Wind
Livingston County, Fowlerville	26	1718EST			0	0	0		Hail (1.00)
Clinton County: 2 S Bath	26	1826EST			0	0	5		TSTM Wind
Lansing Airport	26	1828EST			0	0	0		TSTM Wind (58)
Shiawassee County, Owosso	26	1855EST			0	0	3		TSTM Wind (68)
Genesee County, Gaines	26	1920EST			0	0	0		TSTM Wind (52)
Macomb County, Warren	26	1945EST			0	0	5		Lightning
					Three houses were unroofed and 4 mobile homes destroyed near Bath.				
<b>21 MINNESOTA</b>									
Isanti and Pine Counties, Braham	12	1417CST	10	20	0	0	0	0	Tornado (F0)
					A tornado touched down near Braham and skipped across the ground in an east-northeast direction to Rock Creek in Pine County.				
Pipestone County, Pipestone	20	2145CST			0	0	0	0	Thunderstorm Wind
					Thunderstorm winds knocked down large tree limbs and power lines along Highway 75.				
Morrison County: 50NW St. Cloud	21	1802CST			0	0	0	0	Thunderstorm Wind (52)
20SW Brainerd	21	1810CST			0	0	0	0	Thunderstorm Wind (57)
					Thunderstorm winds gusted to 65 miles per hour at Round Lake and to 60 miles per hour at Fish Trap Lake.				
Martin County, Fairmont	21	1950CST			0	0	0	0	Thunderstorm Wind (66)
					Thunderstorm winds gusted to 76 miles per hour at the airport in Fairmont.				
Houston County, Caledonia	23	1928CST			0	0	0	0	Funnel
Brown County, 4NE Sleepy Eye	26	0115CST			0	0	5	0	Thunderstorm Winds
					Thunderstorm winds toppled barns at three farm sites. Winds also knocked down trees, broke windows and caused other minor structural damage at a dozen other farm sites northeast of Sleepy Eye. Twenty-eight steers were killed under one of the barns that collapsed.				
Nobles County, 1.5S Worthington	26	0330CST			0	0	5	0	Lightning
					A home south of Worthington was destroyed by fire.				
Marshall County, Grygla	29	1445CST			0	0	0	0	Hail (1.75)
					Golfball size hail fell in the town of Grygla.				
Beltrami County: 11NE Grygla	29	1545CST			0	0	0	0	Hail (1.0)
10W Washkish	29	1630CST			0	0	0	0	Hail (1.0)
Koochiching County, Nerthome	29	1845CST			0	0	0	0	Hail (1.0)
Itasca County: Deer River	29	2140CST			0	0	0	0	Hail (0.75)
Grand Rapids	29	2215CST			0	0	0	0	Hail (0.90)
Nicollet County, St. Peter	30	1615CST			0	0	0	0	Hail (1.75)
					Hail up to golfball size fell just west of St. Peter.				
Chisago County, Stacy	30	1648CST			0	0	0	0	Hail (1.0)

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<b>22 MISSISSIPPI</b>									
Pike County, McComb	01	1520CST			0	0	?	0	Thunderstorm Winds
									Several trees were blown down at Country Club in McComb.
Adams County, Natchez	02	1330-1600CST			0	0	5	0	Flash Flood
									2.9 inches of rain fell in Natchez in two hours time. The rains quickly flooded several roads and streets. Because of clogged drains, water rose as high as seven feet in some areas and trapped 3 cars. Water got into several houses.
Adams County, Natchez	02	1405CST			0	0	?	0	Thunderstorm Winds
									Four trees were downed. One large tree fell on two cars. Several reports of power lines being blown down were received.
Sharkey County, Anguilla	02	1455CST			0	0	?	0	Thunderstorm Winds
									Power lines were blown down.
Bolivar County, 8W Cleveland	02	1600CST			0	0	2	0	Thunderstorm Winds
									A canopy on a convenience store was damaged.
De Soto County, 3SE Eupora	03	1911CST			0	0	?	0	Hail (.75)
Calhoun County, Bruce	04	1100CST			0	0	3	0	Lightning
									Eighty cows were huddled together when lightning struck and killed 24 of the cows.
Washington County, Hollandale	05	0400-0600CST			0	0	5	0	Flash Flood
									Heavy rainfall in Hollandale caused numerous streets to flood. Water got into several homes and businesses.
Sunflower County, Indianola	05	0400-0600CST			0	0	?	0	Flash Flood
									Many streets were flooded and became impassable.
Leflore County, Greenwood	05	0600-0900CST			0	0	?	0	Flash Flood
									Many streets flooded and stranded people in their homes. The rising water stopped short of getting into homes.
Hinds County, 1N Jackson	05	0815CST			0	0	3	0	Thunderstorm Winds
									Numerous trees were blown down.
Scott County, 4N Morton	05	0850CST	5.0	75	0	0	4	0	Tornado (F1)
									Numerous trees were downed and roofs were blown off of two houses.
Perry County, 5N Richton	05	1100CST	0.3	30	0	0	3	0	Tornado (F1)
									The roof of a house was heavily damaged, windows were broken out, and it was moved on its foundation. A few trees were blown down around the house. The house also sustained heavy water damage.
Bolivar County, Gunnison	05	1710CST			0	0	?	0	Hail (.75)
Yalobusha County, Water Valley	05	1815CST			0	0	?	0	Hail (1.75)
Yalobusha County, 7W Water Valley	05	1815CST			0	0	?	0	Thunderstorm Winds
									A dozen trees were blown down.
Claiborne County, Port Gibson	05	1845CST			0	0	?	0	Thunderstorm Winds
									Numerous trees and power lines were downed in and around Port Gibson.
Hancock County, Bay St. Louis	07	0147CST			0	0	?	0	Thunderstorm Winds
									Winds blew down numerous power lines in and around the city.
Claiborne County, SSE Port Gibson	07	1540CST			0	0	?	0	Thunderstorm Winds
									Several trees were blown down.
Copiah County, Carpenter	07	1605CST			0	0	?	0	Thunderstorm Winds
									Several trees were blown down.
Hinds County, 2NE Raymond	07	1637CST			0	0	?	0	Thunderstorm Winds (G54)
Pike County, Osyka	08	0028CST			0	0	?	0	Thunderstorm Winds
									Several trees were blown down.
Hancock County, Waveland	08	0200CST			0	0	?	0	Thunderstorm Winds
									Several trees were blown down and several were damaged.
<b>MISSISSIPPI</b>									
Lincoln County, 8E Brookhaven	08	0730CST			0	0	?	0	Thunderstorm Winds
									Four trees were blown down across Highway 84.
Jones County, 10SW Laurel	08	0945CST	0.8	70	0	0	4	0	Tornado (F1)
									Several houses had minor damage, numerous trees were downed, and some minor structural damage and car damage were done at a junior college.
Jackson County, Pascagoula	08	1200CST			0	0	5	0	Thunderstorm Winds
									Numerous buildings were damaged and numerous trees were blown down.
Harrison County, Biloxi	08	1205CST			0	0	6	0	Thunderstorm Winds (G58)
									Roof damage was done to three hotels. Numerous buildings were damaged and numerous trees and power lines were blown down.
Lauderdale County, 7E Meridian	08	1600CST	0.5	50	0	0	4	0	Tornado (F1)
									One house and several barns were damaged. Several trees were blown down.
Forrest County, 2N Brooklyn	08	2030-2200CST			0	0	4	0	Flash Flood
									Southbound lane of Highway 49 north of Brooklyn was washed out due to heavy rain.
Amite County, Liberty	10	1725CST			0	0	?	0	Hail (.75)
Amite County, 5SW Liberty	10	1730CST			0	0	?	0	Thunderstorm Winds
									Several trees were blown down.
Franklin County, Meadville	10	1815CST			0	0	5	0	Thunderstorm Winds (G56)
									High winds lifted up a patrol car on two wheels. A large tree fell on power lines. One house caught on fire as a result of downed power lines.
Jones County, N Laurel	11	1745CST			0	0	?	0	Hail (1.00)
Bolivar County, Malvina	11	1745CST			0	0	4	0	Thunderstorm Winds
									A mobile home was overturned, the roof was blown off of a barn, and several trees were downed.
Holmes County, Lexington	11	1749CST			0	0	?	0	Hail (.75)
Bolivar County, 4W Shaw	11	1750CST			0	0	4	0	Thunderstorm Winds
									A roof was blown off of a house.
DeSoto County, Horn Lake	11	1750CST			0	0	?	0	Hail (.75)
Lauderdale County, Meridian	11	1951CST			0	0	?	0	Thunderstorm Winds
									Several trees and power lines were downed in Meridian. There were also widespread power outages.
Clarke County, Enterprise	11	2100CST			0	0	?	0	Thunderstorm Winds
									Wind knocked down several trees and power lines.
Carroll County, Centerville	12	1255CST			0	0	?	0	Hail (.75)
Rankin County, 4N Brandon	12	1425CST			0	0	?	0	Hail (.75)
DeSoto County, Olive Branch	12	1930CST			0	0	6	0	Thunderstorm Winds
									Several businesses sustained major damage. Fences and signs were blown down at a tennis court. Numerous reports of structure and property damage to residences were received. Several trailers were shifted off their foundations, and skirts and underpinning were destroyed. Numerous streets were blocked due to trees and limbs that were blown into the roadways.
Benton County, Michigan City	12	2030CST			0	0	?	0	Hail (.75)
Alcorn County, 1SE Corinth	12	2145CST	2.0	70	0	0	4	0	Tornado (F1)
									A tornado damaged several homes on Franklin Drive, east of U.S. 72 and knocked several trailers off their foundation blocks. Numerous trees and power lines were blown down.
Leflore County, Greenwood	13	0300-0510CST			0	0	5	0	Flash Flood
									3.77 inches of rain fell in Greenwood in four hours, causing street flooding and water to get into some homes.
Carroll County, 2NW Centerville	13	0300-0510CST			0	0	?	0	Flash Flood
									Several streets and roads flooded.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	

## MISSISSIPPI

Sunflower County, Drew	13 0645-0830CST					0	0	?	0	Flash Flood	
Up to five inches of rain fell during the period. Several streets and roads were under water. Houses had to be sandbagged to stop water from entering homes.											
Bolivar County, Cleveland	13 0715-0830CST					0	0	?	0	Flash Flood	
Many roads in Cleveland and in the county flooded. Some had up to a foot of water over them.											
Leflore County, Greenwood	13 0730-0900CST					0	0	5	0	Flash Flood	
Water entered several homes in and around Greenwood.											
Montgomery County, Duck Hill	13 1400CST					0	0	?	0	Hail (.75)	
Bolivar County, 1S Beulah	13 2045CST					0	0	?	0	Hail (.75)	
Bolivar County, 3S Beulah	13 2114CST					0	0	?	0	Hail (.75)	
Sunflower County, 1S Rome	13 2215-2345CST					0	0	?	0	Flash Flood	
Water flooded over Highway 49.											
Yazoo County, 3S Yazoo City	14 0710CST					0	0	?	0	Thunderstorm Winds	
Several trees were blown down and uprooted.											
Hancock County, 4N Bay St. Louis	14 0830CST					0	0	?	0	Hail (.75)	
Noxubee County, Macon	14 1345CST					0	0	?	0	Thunderstorm Winds	
Several trees were blown down and minor damage was done to houses.											
Jones County, 6NE Laurel	14 1430CST					0	0	?	0	Hail (.75)	
Jones County, 2E Laurel	14 1430CST					0	0	4	0	Thunderstorm Winds	
Part of a roof and porch were blown off of a double-wide mobile home and a large outbuilding was destroyed. Many trees and power lines were downed.											
Clarke County, 8NW Quitman	14 1520CST					0	0	3	0	Thunderstorm Winds	
Minor damage was done to a house.											
Lauderdale County, 15NE Meridian	14 1730CST					0	0	3	0	Thunderstorm Winds	
A house and porch were damaged and a tree was blown down in Dalewood.											
Harrison County, Long Beach	14 1730CST					0	0	4	0	Thunderstorm Winds	
One house was unroofed and the roof of a service station was damaged. Several trees and numerous power lines were downed.											
Lee County, Tupelo	15 0300-0800CST					0	0	?	0	Flash Flood	
Town Creek in Tupelo rose at the rate of 2 feet an hour and crested at 21 feet. Flood stage is 20 feet. Minor lowland flooding occurred.											
Itawamba County, Evergreen	18 1931CST					0	0	?	0	Hail (1.00)	
Pontotoc County, 2W Thaxton	18 2030CST					0	0	?	0	Thunderstorm Winds	
Several trees were blown down.											
Lafayette County, Oxford	18 2130CST					0	0	5	0	Lightning	
Lightning struck a house setting it on fire and completely gutting the house. Damage to the house and contents was estimated at over eight thousand dollars.											
Jasper County, 3SE Bay Springs	18 2330CST					0	0	3	0	Thunderstorm Winds	
Many trees were downed and damage was done to a house and a barn.											
Simpson County, McGee	19 0002CST					0	0	?	0	Hail (1.25)	
Smith County, 5S Raleigh	19 2140CST					0	0	?	0	Hail (1.00)	
Lauderdale County, 35W Meridian	27 1243CST					0	0	?	0	Thunderstorm Winds (G56)	
Pontotoc County, 5W Pontotoc	24 1512CST					0	0	?	0	Thunderstorm Winds	
A few trees were blown down across Highway 6 west of Pontotoc.											

## MISSISSIPPI

Wilkinson County, 1SW Centreville	28 0910CST	1.0	75	0	5	5	0	0	0	Tornado (F1)	
A tornado touched down one mile southwest of Centreville. Its path began at Finch Elementary School and ended at Beulah Heights subdivision. Of the five people injured, two suffered serious injuries, the three others were treated and released with minor injuries. Three mobile homes and three wood frame houses were destroyed. Three other homes received damage.											
Leflore County, Greenwood	29 0300-0700CST					0	0	?	0	Flash Flood	
Over 3.5 inches of rain fell in the City of Greenwood during the early morning hours. Many streets in the town were flooded. Several streets had to be blocked off and in some areas water was more than a foot deep.											
Newton County, Little Rock	29 1540CST					0	0	?	0	Hail (.75)	
Jones County, 4SE Laurel	30 1255CST					0	0	?	0	Hail (.75)	
Jackson County, Hurley	30 1330CST					0	0	?	0	Hail (.75) Thunderstorm Winds	
Numerous large tree limbs and power lines were downed.											
Meshoba County, 5S Philadelphia	30 1400CST					0	0	?	0	Thunderstorm Winds	
Several trees and power lines were downed. Marble size hail fell also.											

## MISSOURI

St. Louis City	01 1407-1415CST					0	0	6	?	TSTM Wind, Hail (0.75)	
A severe thunderstorm produced a microburst in the west-central portion of St. Louis. It also produced hail of up to 3/4 inch diameter in the same area, and strong winds along a path from north Kingshighway through the vicinity of the McKinley Bridge. Winds in the Forest Park area and along north Kingshighway were estimated at 80 mph. This storm continued to produce damage as it crossed the Mississippi River into Illinois. Hundreds of trees were destroyed in the Forest Park area and in portions of north St. Louis. One building collapsed and at least two roofs were peeled off. Officials from the Park Service reported that this was the worst storm to hit the city of St. Louis during the past eight years.											
Dunklin County, 4 S Rives	02 1415CST	0.5	25	0	0	0	0	0	0	Tornado (F1)	
A tornado touched down for a few minutes 4 miles south of Rives and produced a column of dust. It was visible to several persons but produced no damage.											
Dunklin County, Hornersville	11 1330CST					0	0	0	0	Hail (0.75)	
Hail of up to 3/4 inch diameter fell at Hornersville.											
Dunklin County	11 1358CST					0	0	0	0	Hail (0.75)	
There were scattered reports of hail up to 3/4 inch in diameter across the county.											
New Madrid County	11 1425CST					0	0	0	0	TSTM Wind	
Wind damage was reported from across the county. Many trees and power lines were downed.											
Pemiscot County, 5 SW Steele	11 1645CST	0.2	25	0	0	0	0	0	0	Tornado (F0)	
A tornado touched down briefly 5 miles southwest of Steele and produced no damage.											
Pemiscot County	11 1650CST					0	0	0	0	Hail (0.75)	
Pemiscot County, Steele	11 1700CST	0.2	25	0	0	0	0	0	0	Tornado (F1)	
A tornado touched down briefly at Steele and produced no damage.											



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

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					KILLED	INURED	PROPERTY	CROPS							KILLED	INURED	PROPERTY	CROPS	
<b>24 MONTANA</b>										<b>25 NEBRASKA</b>									
Meagher County, Martinsdale	09	1600MST			0	0	0	0	Hail (1.00)	Dundy Co. Benkelman	02	1515CST			0	0	3	4	Hail (1.75)
Glacier County	10	afternoon			0	0	4	0	Flooding The St. Mary and Marias rivers received runoff from heavy rains overnight, causing some minor overflow out of their banks.	Dundy Co. Haigler	02	1700CST			0	0	4	4	Hail (2.00)
Custer County, Miles City	10	1600MST			0	0	4	0	Urban Flooding Rain amounting to 1.49 inches fell in 41 minutes, filling underpasses and flooding basements.	Howard Co. St. Paul	02	1830CST			0	0	4	4	Thunderstorm Wind (60) Wind gusts estimated to around 70 m.p.h. broke tree limbs.
Granite County, 20 S Clinton	15	?			0	3	5	0	TSTM Winds, Hail (1.75) Trees in an 80 acre area were blown down by a microburst. Two cars were destroyed and three people were injured in their vehicle when trees hit them.	Hall Co. Grand Island	02	1850CST			0	0	4	1	Thunderstorm Wind Hail (1.75) One and three-quarter inch hail and strong winds damaged trees.
Granite County, Drummond	15	1515MST			0	0	3	1	TSTM Winds Trees were blown down and several roofs were damaged.	Merrick Co. Central City	02	1900CST			0	0	5	4	Thunderstorm Wind (60) Wind gusts estimated to around 70 m.p.h. overturned trailers and irrigation pivots, damaged buildings and downed hundreds of trees from Central City east. Crops were also damaged west of town.
Choteau County, 15 N Great Falls	15	1500MST			0	0	0	0	TSTM Winds	Adams Co. Hastings	02	1900CST			0	0	3	1	Thunderstorm Wind (52)
Lewis and Clark County, Augusta	15	1600MST			0	0	3	0	TSTM Winds A pickup and trailer were blown over three miles north of Augusta.	Fillmore Co. Geneva	02	1915CST			0	0	4	3	Hail (1.75)
Teton County, Dutton	15	1700MST			0	0	4	0	TSTM Winds Two livestock trailers stopped on Interstate 15 were blown over.	Hamilton Co. Aurora and 2N Hordville	02	1920CST			0	0	4	5	Thunderstorm Wind (52) Strong winds tore the roofs off of a mobile home and storage building in Aurora. Winds estimated to 60 m.p.h. heavily damaged crops north of Hordville.
Lewis and Clark County, Holter	15	1821MST			0	0	0	0	Hail (1.50)	York Co. York and Gresham	02	1935CST			0	0	5	4	Thunderstorm Wind (69) Wind gusts estimated to 80 m.p.h. caused extensive tree damage, downed power lines and took the roof off of a grain bin in York. A grain bin was also destroyed and trees damaged in Gresham.
Wheatland County, Judith Gap	15	1940MST	?	?	0	0	0	0	Tornado (F0) A tornado touched down briefly.	Seward Co. Milford 5S Seward	02	1955CST			0	0	3	2	Thunderstorm Wind
Fergus County, Winifred	15	evening			0	0	5	2	Hail (1.75) A fast-moving area of hail damaged crops along a 10 mile long swath beginning just north of Winifred. The hail was accompanied by heavy rain as well.		02	2000CST			0	0	4	2	Thunderstorm Wind
Big Horn County, Decker	16	1430MST			0	0	0	0	Hail (1.00)	Gage Co. 2S Clatonia 2NE Beatrice 7SW Adams	02	2000CST			0	0	3	6	Hail (1.50)
Powder River County, Moorhead to west of Doyes	16	1545MST			0	0	5	5	Hail (1.75), TSTM Winds and Flash Flooding A large swath of hail and wind damage was reported from Moorhead to near Doyes. Some small streams underwent flash flooding.		02	2000CST			0	0	4	3	Thunderstorm Wind
Phillips County, Dodson	19	1600MST			0	0	0	0	Hail (1.00)		02	2010CST			0	0	5	5	Thunderstorm Wind Hail (1.50)
Valley County, Frazer	19	1820MST			0	0	4	0	TSTM Winds A roof was torn off of a drive-in.	Saline Co. 3S Crete	02	2025CST	0.2	40	0	0	6	3	Tornado (F0) A tornado moving east touched down 3 miles south of Crete. A mobile home was destroyed, a trailer toppled over and a portion of a roof was lifted off of a commercial building. Trees and power lines were downed also.
Prairie County, Terry and Fallon	19	evening			0	0	4	0	TSTM Winds Power lines were downed, roof damage was done, and a semi was blown off of Interstate 94.	Lancaster Co. 12NW Lincoln Lincoln	02	2030CST			0	7	4	3	Thunderstorm Wind
Wheatland County, Harlowton	19	evening	7		0	0	3	0	TSTM Winds Trees and power lines were blown down.		02	2036CST			0	0	5	2	Thunderstorm Wind (50) Gusts in thunderstorms blew over a camper at Branched Oak Lake, injuring 6 people. Winds gusted to 58 m.p.h. at the Lincoln airport. Trees and power lines were reported down in Lincoln and damage was done to a park display.
Sheridan County, Medicine Lake	28	0300MST			0	0	3	0	Lightning A church was set on fire.	Cass Co. Eagle	02	2100CST			0	1	5	3	Thunderstorm Wind (52) Wind gusts estimated to 60 m.p.h. struck during an outdoor concert with an estimated attendance of 7000 people. The winds blew over stage lighting and speakers and destroyed the canopy over the stage. One person was injured by a falling speaker.
Mineral County, Superior	30	?			0	0	0	0	Hail (0.75)	Sarpy Co. 2NE Springfield 6S Cretna Bellevue	02	2130CST			0	0	4	3	Thunderstorm Wind (52)
											02	2138CST			0	0	3	2	Thunderstorm Wind
											02	2145CST			0	0	4	2	Thunderstorm Wind
																			Thunderstorm gusts estimated at times around 60 m.p.h. downed trees and power lines.
										Otoe Co. Nebraska City	02	2140CST			0	0	4	3	Thunderstorm Wind (52) Wind gusts in thunderstorms estimated to around 60 m.p.h. toppled trees and took down utility lines.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

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<b>NEBRASKA</b>									
Richardson Co. 2S Rulo	02	2245CST			0	0	5	2	Thunderstorm Wind
									Thunderstorm winds took a portion of the roof off of a barn, destroyed an implement shed, damaged machinery and downed trees.
Keith Co. 2S Paxton	06	1812CST	0.1	30	0	0	1	2	Tornado (F0)
									Small tornado touched down briefly in open country.
Clay Co. Trumbull	07	1545CST			0	0	5	3	Thunderstorm Wind
									A section of the roof of a school was taken off and damage was done to grain storage bins.
Hamilton Co. and York Co. 2SE Aurora to 4SW York	07	1610CST -1625CST			0	0	3	5	Hail (1.50)
									Hail heavily damaged crops.
Lancaster Co. Lincoln	07	1700CST			0	0	3	2	Hail (0.75) Thunderstorm Wind
									Winds blew down power lines during a thunderstorm. Three to four inch rainfall in the storm caused underpass and some intersection flooding in northeast Lincoln.
Saunders Co. 4SW Cedar Bluffs	07	1705CST	0.1	30	0	0	2	2	Tornado (F0)
									A small tornado touched down in a field 4 miles southwest of Cedar Bluffs.
Saunders Co. 3E Malmo 3E Malmo	07	1727CST	0.2	30	0	0	2	3	Tornado (F0)
	07	1727CST			0	0	3	3	Hail (1.75)
									A small tornado touched down 3 miles east of Malmo. One and three-quarter inch hail damaged crops.
Dodge Co. 2E Fremont	07	1730CST	0.1	50	0	0	2	2	Tornado (F0)
									A small tornado touched down on the east edge of Fremont near Military Ave. and the Highway 275 bypass. Touchdown was in a field and minor damage was done. Rainfall around 3 inches from the tornado-generating thunderstorm caused street flooding in the southeast portion of Fremont.
Washington Co. 2W Arlington 1S Spiker	07	1736CST			0	0	0	0	Funnel Cloud
	07	1743CST			0	0	3	2	Thunderstorm Wind (S2)
4E Herman	07	1750CST			0	0	0	0	Funnel Cloud
									Thunderstorm winds gusted to an estimated 60 m.p.h. and did minor damage.
Lancaster Co. Lincoln	07	1745CST			0	0	4	3	Flash Flood
									Upwards of 4 inches of rain flooded underpasses and intersections in northeast Lincoln. Some vehicles stalled in high water.
Kimball Co. and Banner Co.	08	1645CST -1800CST			0	0	6	6	Flash Flood
									Upwards to 6 and 3/4 inches of rain fell just northwest of Kimball with 4.41 inches reported in town. Roads and bridges were washed out and streets and intersections flooded as considerable small hail clogged storm sewers. Homes and businesses were damaged by flooding. Crops in the area were heavily damaged by erosion and fences were washed out. Lodgepole Creek was forced out of banks as a head of water 7 to 8 feet high moved downstream. Upwards of 5 inches of rain also caused local flash flooding from southwest to northeast Banner County.
Cheyenne Co.	08	1730CST			0	0	4	4	Flash Flood
									Heavy rain just south of Sidney pushed water over roads, washing off a number of cars. Cropland was flooded.
Kimball Co. and Cheyenne Co.	08	2100CST			0	0	3	5	Flood
	09	-1000CST							Four and a half to six and three-quarter inch rains in the Kimball area pushed Lodgepole Creek out of banks from the Kimball area east through Potter. Cropland was damaged.
Cherry Co. 5NW Valentine and 1E Valentine	11	1700CST			0	0	2	3	Lightning
									Lightning started grass fires.
Cheyenne Co. Sidney	16	2300CST			0	0	5	0	Thunderstorm Wind
									Thunderstorm gusts blew over a 90 foot piece of oil well drill equipment just south of town. Minor damage was also reported in Sidney.
Gage Co. Cortland	17	1630CST			0	1	4	0	Lightning
									A woman was injured when the car she was riding in was struck by lightning. The car suffered severe electrical damage.
<b>NEBRASKA</b>									
Sheridan Co. 4SE Gordon	19	1938CST			0	0	2	4	Lightning
									Lightning started a 1000 acre prairie fire.
Chase Co. 8W to 6N Imperial	19	2040CST			0	0	5	3	Thunderstorm Wind
									Strong wind gusts damaged building roofs, overturned a semi-trailer and damaged implement sheds and center pivots.
Loup Co. 20N Taylor	20	0130CST			0	0	5	0	Lightning
									Fire sparked by lightning destroyed two homes and a garage.
Valley Co. 2N Elyria	20	1915CST			0	0	4	2	Thunderstorm Wind
									Wind gusts damaged a barn and garage and blew down power lines.
Garfield Co. Burwell	20	1915CST			0	0	3	2	Thunderstorm Wind (S2)
Burwell	20	1925CST			0	0	3	2	Thunderstorm Wind (S2)
2SE Burwell	20	1930CST			0	0	3	4	Hail (1.50)
									Winds gusted to around 60 m.p.h. in storms. Hail damaged crops and buildings.
Scottsbluff Co. Scottsbluff	20	1924CST			0	0	3	1	Thunderstorm Wind (S6)
									Winds with a high-based thunderstorm in the area gusted to 66 m.p.h. at the airport.
Holt Co. Amelia	20	1930CST			0	0	4	1	Thunderstorm Wind
									Wind gusts destroyed a shed and downed power lines.
Garfield Co. 15N Burwell	20	2025CST			0	0	3	3	Thunderstorm Wind (S2)
									Thunderstorm winds gusted to an estimated 60 m.p.h.
Boyd Co. 10W Butte Butte	20	2220CST			0	0	3	4	Hail (1.75)
	20	2240CST			0	0	4	4	Hail (1.00)
Washington Co. Blair	21	2015CST			0	0	3	1	Thunderstorm Wind
									Wind gusts destroyed a carport.
Hitchcock Co. 3SW to 1SW Palisade	24	1520CST	2.0	40	0	0	4	3	Tornado (F1)
									A tornado moved from 3 miles southwest of Palisade to 1 mile southwest, damaging twelve outbuildings on two farms along with uprooting trees.
Phelps Co. 9N Holdrege	24	1658CST	0.2	40	0	0	2	2	Tornado (F0)
									A tornado touched down briefly in a field 9 miles north of Holdrege.
Phelps Co. 7.5 NW Holdrege to 6.5 NW Holdrege	24	1722CST	1.0	50	0	0	5	3	Tornado (F1)
									A tornado touched down on a farm 7.5 miles northwest of Holdrege and moved east 1 mile to another farm. On the first farm a garage was destroyed along with three grain bins and irrigation pipe. Trees were blown down, some falling on buildings. On the second farm a house and barn were damaged, and 50 pigs were killed.
Buffalo Co. Kearney	24	1812CST			0	0	4	3	Hail (1.75)
Hall Co. Wood River	24	1815CST			0	0	4	2	Thunderstorm Wind (70)
									Gusts estimated to around 80 m.p.h. downed trees and power lines.
Buffalo Co. Kearney	24	1815CST			0	0	3	3	Hail (1.00)
Adams Co. Juniata	24	1845CST	0.2	40	0	1	5	0	Tornado (F0)
									A tornado touched down briefly damaging three houses, breaking tree limbs and injuring a boy when a door was blown shut on his arm.
Hall Co. Grand Island	24	1852CST			0	0	3	2	Thunderstorm Wind (S2)
									Wind gusted to 60 m.p.h.
Hall Co. Doniphan	24	1900CST			0	0	4	4	Hail (1.75)
Clay Co. Glenville	24	1930CST	0.1	30	0	0	3	1	Tornado (F0)
									A small tornado touched down briefly near Glenville.

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					KILLED	INJURED	PROPERTY	CROPS	

## NEBRASKA

Buffalo Co. Hall Co., Hayes Co., Hitchcock Co., Frontier Co., Gosper Co., Phelps Co., Kearney Co., Adams Co.	24	Evening to Late Evening			0	0	7	6	Flash Flood
<p>A band of average 4.5 to 6 inch rains fell from around Falisade in Hayes County northeast to just west of Grand Island in Hall County. Pockets of 9 inch rainfalls were reported at Kearney and just west of Elwood. Throughout the band roads were flooded. In some areas roads, bridges and culverts were washed out. Severe erosion occurred on farmland and crops were heavily damaged. There were reports of fences and some small dams washed out. Small creeks were pushed out of banks. In Kearney where an unofficial 9.08 inches of rain was reported, homes and businesses were flooded, sewer manhole covers were blown off and vehicles were reported floating in city streets. One hundred and fifty basements were listed as flooded with a number having collapsed basement walls.</p>									
Thayer Co. 4E Davenport	24	2020CST	0.1	30	0	0	3	1	Tornado (F0)
<p>A small tornado touched down in a field 4 miles east of Davenport.</p>									
York Co. York	24	2030CST			0	0	3	0	Lightning
<p>Lightning struck a theatre, damaging speakers, a chimney and a furnace.</p>									
Dodge Co. Nickerson	24	2240CST			0	0	3	1	Thunderstorm Wind
<p>Strong gusts in thunderstorms blew down trees.</p>									
Clay Co. Fillmore Co. Thayer Co. Jefferson Co.	25	Early Morning to Daytime			0	0	3	4	Flood
<p>Runoff from 4.5 to 6 inch rains the evening of the 24th in the south-central area of the state pushed the Little Blue River out of banks with minor lowland flooding. A stage 0.9 feet over flood stage was recorded at Deweese and 0.3 over flood stage at Fairbury on the 26th.</p>									
Scottsbluff Co. 10W Scottsbluff	25	1525CST			0	0	0	0	Funnel Cloud
Scottsbluff Co. 18N Scottsbluff and Stegall	25	1532CST			0	0	3	5	Hail (1.50)
Scottsbluff Co. Scottsbluff and 2S Gering	25	1600CST -1655CST			0	0	3	6	Hail (1.00)
<p>Hail heavily damaged corn and beet crops. Minor property damage was reported. Heavy rain caused minor flooding, as water was over the road just south of Gering.</p>									
Morrill Co. 1S Bridgeport	25	1655CST	0.1	30	0	0	2	1	Tornado (F0)
<p>A tornado touched down in open country 1 mile south of Bridgeport.</p>									
Morrill Co. 4S Bayard	25	1713CST	0.1	30	0	0	3	1	Tornado (F1)
<p>Tornado touched down briefly 4 miles south of Bayard near Cheney Rock and did minor damage.</p>									
Morrill Co.	25	1720CST			0	0	4	3	Hail (1.50)
Lincoln Co. 1N to 9NE North Platte	25	1920CST-1935CST	7.0	125	0	2	6	3	Tornado (F3)
<p>A funnel cloud first reported 2.5 miles west of North Platte tracked northeast. It first touched down as a tornado 1 mile north of downtown North Platte around Cody Park and the Elks Club and turned north along Highway 83, traveling 2.5 miles before lifting and continuing northeast for 2 miles while aloft. It set down again 4 miles north of North Platte and continued northeast for 2.5 miles more before lifting a final time. During the first onground segment of the path, baseball field lights and fences were destroyed and two people were injured as a camper trailer was overturned. Numerous cars were damaged and trees were uprooted or snapped off. Windows were broken and fences downed. As the tornado moved north along Highway 83 it blew trees onto houses. During the tornado's second contact with the ground, it moved through Hillcrest Estates demolishing two homes and damaging eight others. Vehicles and boats were thrown about. As the tornado continued northeast it demolished outbuildings and uprooted trees on a farmstead about one mile northeast of Hillcrest Estates.</p>									
Dawson Co. 1W Gothenburg	25	1930CST	0.1	30	0	0	2	2	Tornado (F0)
<p>A small tornado touched down briefly just west of Gothenburg and did minor damage.</p>									

## NEBRASKA

Hayes Co. 11NE Hayes Center	25	2020CST			0	0	0	0	Funnel Cloud
Lincoln Co. 20S North Platte	25	2043CST			0	0	0	0	Funnel Cloud
Loup Co. Taylor	25	2155CST			0	0	3	3	Hail (0.75)
Lincoln Co. North Platte	25	2253CST			0	0	3	2	Thunderstorm Wind
<p>Strong gusts broke tree limbs in the southwest area of town.</p>									
Holt Co. 3W Chambers	26	0005CST			0	0	3	3	Thunderstorm Wind
<p>Winds blew down trees.</p>									
Pierce Co. 6W Pierce	26	0200CST			0	0	4	3	Thunderstorm Wind
<p>Strong gusts damaged trees and blew over a center pivot, hog shed and satellite dish.</p>									
Madison Co. Norfolk	26	0220CST			0	0	5	2	Thunderstorm Wind
<p>Wind gusts broke tree branches, blew the roof off of a trailer and blew over several small sheds in the south part of town.</p>									
Boone Co. Akron	26	0220CST			0	0	3	2	Thunderstorm Wind
<p>Strong gusts blew down trees.</p>									
Holt Co. 15NE Stuart Atkinson 5NW Amelia	28	0805CST 0845CST 0940CST			0	0	5	5	Hail (1.00) Hail (1.00) Hail (1.75)
<p>Wind-driven hail upwards to 1 and 3/4 inches in diameter cut a swath nearly 8 miles wide and 50 miles long through the western area of the county, heavily damaging 256,000 acres. Damage was near 100 percent to crops and pasture. Three foot corn was reduced to two inch height and trees were stripped of leaves. Roofs and vehicles were damaged on farmsteads along the path and windows broken.</p>									
Loup Co. 18NE Taylor	28	1020CST			0	0	3	5	Hail (1.00)
<p>One-inch hail heavily damaged an estimated 20,000 acres of crops.</p>									
Garfield Co. Burwell Calamus Dam Burwell	28	1020CST 1044CST 1115CST			0	0	6	5	Hail (1.75) Hail (0.75) Hail (1.75)
<p>Hail upwards to 1 and 3/4 inches in diameter damaged roofs, siding and vehicles, and broke windows. An estimated 25,000 acres of ranch and farm land suffered heavy damage. The hail clogged up storm drains in Burwell, causing extensive street and lowland flooding.</p>									
Valley Co. 20N Arcadia to Arcadia	28	1105CST			0	0	6	6	Thunderstorm Wind Hail (1.75)
<p>A 5 mile wide swath of large hail and damaging winds moved south through extreme western Valley County, breaking numerous windows in buildings, damaging vehicles and farm equipment, and causing extensive crop damage.</p>									
Custer Co. 10E Sargent	28	1135CST	0.1	30	0	0	2	2	Tornado (F0)
<p>A tornado moving south touched down briefly in open country 10 miles east of Sargent and uprooted trees.</p>									
Custer Co. Comstock	28	1200CST			0	0	6	6	Hail (2.75)
<p>Hail upwards to 2 and 3/4 inches in diameter caused extensive roof, window and siding damage to buildings along with heavy damage to vehicles. Area crops were devastated.</p>									
Custer Co. Westerville SE Ansely Ansely Mason City	28	1215CST 1330CST 1340CST 1340CST			0	0	4	6	Hail (2.50) Hail (2.50) Flash Flood Hail (2.50)
<p>Thunderstorm Wind</p>									
25SE Broken Bow	28	1350CST			0	0	4	6	Hail (2.50)
<p>Hail upwards to 2 and 1/2 inches in diameter and strong winds cut a swath to the south and southwest through the eastern area of the county, heavily damaging crops. Buildings along the path of the storm suffered broken windows and damaged roofs and siding. Vehicles were damaged. Wind gusts downed power lines. Five inches of rain in an hour around Ansely flooded low-lying areas and county roads.</p>									
Dawson Co. Summer	28	1406CST			0	0	5	4	Hail (2.50)
<p>Hail upwards to 2 and 1/2 inches in diameter broke windows and damaged roofs and vehicles. Crops were heavily damaged.</p>									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	

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					KILLED	INJURED	PROPERTY	CROPS	

## NEBRASKA

Lincoln Co. Wellfleet	28	1428CST			0	0	2	3	Hail (0.75)
Frontier Co. SN Maywood	28	1510CST			0	0	0	0	Funnel Cloud
Hitchcock Co. Palisade	28	1530CST			0	0	0	0	Funnel Cloud
Hayes Co. 10E Hayes Center	28	1543CST	0.1	40	0	0	2	2	Tornado (F0)
			Small tornado touched down briefly in rangeland 10 miles east of Hayes Center.						
Sheridan Co. 15NE Alliance	29	1335CST	0.2	40	0	0	3	3	Tornado (F1)
			A tornado moving to the northeast touched down in rangeland 15 miles northeast of Alliance.						
Box Butte Co. 10NW Alliance	29	1420CST	0.1	30	0	0	2	2	Tornado (F0)
			A small tornado touched down briefly 10 miles northwest of Alliance.						
Box Butte Co. 4NW Alliance	29	1443CST	0.2	40	0	0	3	2	Tornado (F1)
			A tornado touched down in open rangeland 4 miles northwest of Alliance.						
Sheridan Co. 22NE Chadron	29	1643CST	0.1	30	0	0	2	1	Tornado (F0)
			A small tornado touched down briefly in open country 22 miles northeast of Chadron.						
Scottsbluff Co. 2N Scottsbluff	30	1629CST			0	0	4	1	Thunderstorm Wind
			Strong gusts caused extensive damage to a garage and Quonset hut.						
Webster Co. 3SE Red Cloud	30	1755CST			0	0	4	4	Thunderstorm Wind (52), Hail (2.00)
			Wind gusts estimated to 60 m.p.h. uprooted trees. Hail damaged crops.						
Adams Co. Clay Co. Webster Co. Nuckolls Co.	30	Evening to Early Morning			0	0	6	6	Flash Flood
			Three to five and a half inches of rain fell through the area with the larger amounts of 5.5 inches reported at Fairfield and Deweese. A number of roads were flooded and bridges washed out. A car was swept off of the road by high water just east of Harvard. Another vehicle was pushed off of a road 5 miles north of Hastings. The Little Blue River was pushed 2.5 feet over flood stage at Deweese. The upper reaches of Sandy Creek also flooded. The Republican River was pushed 2 feet over flood stage at Guide Rock. Crops were damaged by high water and fields eroded through the region.						
Saline Co. Cage Co.	30	Evening to Early Morning			0	0	3	4	Flash Flood
			An area of 3 to 6 inch rains from just south of Crete to Wilber to Clatonia flooded fields and pushed creeks out of banks. Turkey Creek rose to 2 feet over flood stage at Wilber.						
Red Willow Co. 6S McCook	30	2240CST			0	0	3	4	Hail (1.75)

## 26 NEVADA

Elko County	05	1200PST			0	0	0	0	Funnel Cloud
			A funnel cloud was spotted by a Bureau of Land Management employee about 60 miles south of Wells, Nevada. The funnel lasted several minutes.						
Washoe County	05	1645PST			0	0	0	0	Lightning
			Lightning brought down two power lines, knocking out power to approximately 1,700 homes in the Stead and Red Rock areas north of Reno.						
Washoe County	07	1200PST			0	0	0	0	Hail (1.0)
			A severe thunderstorm dropped one inch hailstones as it moved through the southwest part of Reno.						

## NEVADA

Lyon County	07	1535PST	1	10	0	0	3	0	Tornado (F0)
	07	1600PST			0	1	3	0	High wind
			A tornado was reported by spotters one mile southeast of Lake Artesia (about 10 miles west of Yerington) in northern Smith Valley. The tornado moved across an open field of the Bobby Brian Ranch destroying several large, wheeled sprinklers. Strong straightline winds several miles from the tornado uprooted large cottonwood trees and rolled over a diesel fuel truck. One person was slightly injured when he fell off a ladder while trying to save his awning.						
Mineral County	07	1700PST			0	0	4	0	Flash Flood
		1730PST							
			Flash flooding caused mud slides across U. S. Highway 95 in two areas near Walker Lake. One slide occurred at mile marker 61 near Barlow Beach and the other between mile markers 64 and 66 in the Cliff area. Both slides were cleared and traffic resumed by 1905 PST. The same storm caused a flash flood in the town of Walker Lake that flooded out a single family residence.						
Nye County	11	1320PST			0	0	0	0	TSTM Wind(59)
	11	1442PST			0	0	0	0	TSTM Wind(61)
			Thunderstorms in South-Central Nevada produced very strong winds. A gust to 59 MPH was measured at the Tonopah Airport. Winds gusting to 61 MPH were recorded on the Nevada Test Site.						
Pershing County	26	1740PST			0	0	0	0	TSTM Wind(58)
			A thunderstorm at Lovelock produced winds gusting to 58 MPH at the airport.						
Lander County	27	1545PST			0	0	0	0	TSTM Wind(63)
Elko County	27	1630PST			0	0	0	0	TSTM Wind(60)
			Thunderstorms moved through the northern part of Lander County and produced wind gusts to 63 MPH in Battle Mountain. Less than an hour later the storms had moved into western Elko County. Winds gusting to 60 MPH were reported in the town of Midas.						

## 27 NEW HAMPSHIRE — NONE REPORTED

## 28 NEW JERSEY, Northern

Monmouth County	09	2230EST			0	0	?	0	Flood
Somerset County	10	0030EST			0	0	?	0	Flood
			A low pressure system traveling northeastward along a stationary frontal zone generated some very heavy rains across the region. Rain which began falling during the early morning hours, increased in intensity as the low moved across the area that night. Rain-fall amounts were around 2 inches.						
Monmouth County	16	1930EST			0	0	?	0	Thunderstorm Wind
Middlesex County	16	1930EST			0	0	?	0	Thunderstorm Wind
			A warm front passed across northern New Jersey at around midday. Resultant southerly winds ushered in some very warm and unstable air. Airmass thunderstorms developed during the afternoon hours across southern New Jersey. By early evening severe thunderstorms were downing numerous trees across Middlesex and Monmouth counties in the towns of Freehold, Colts Neck, Millville, and Old Bridge.						
Passaic County	23	1800EST			0	0	?	0	Flood
Union County	23	1800EST			0	0	?	0	Flood
Middlesex County	23	1800EST			0	0	?	0	Flood
Morris County	24	0300EST			0	0	?	0	Flood
Passaic County	24	0300EST			0	0	?	0	Flood
Sussex County	24	0300EST			0	0	?	0	Flood
Warren County	24	0300EST			0	0	?	0	Flood
			A warm and unstable airmass was covering the area from the evening of the 23rd through the early morning hours of the 24th. The lack of any significant pressure systems, surface or aloft, meant that the convective activity would move very slowly once developed. The heavy rains associated with these slow-moving showers and thunderstorms produced substantial flooding across sections of northern New Jersey.						
Hunterdon County	27	2050EST			0	0	?	0	Thunderstorm Wind
Warren County	27	2050EST			0	0	?	0	Thunderstorm Wind
			A hot and humid airmass gave rise to widespread thunderstorm activity across Pennsylvania during the early evening hours. These thunderstorms moved eastward into western sections of northern New Jersey by late evening. Two very heavy thunderstorms merged in the area of Aebury and Hampton, New Jersey. Numerous trees and power lines were downed as the result.						

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

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					KILLED	INURED	PROPERTY	CROPS	

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28 NEW JERSEY, Southern									
Sales County: Deep Water Pennaville	02	1235 EST	0	0	?	?	?	?	Hail(0.75)
	02	1253 EST	0	0	?	?	?	?	Hail(1.75)
Thunderstorms dropped 3/4 inch hail in Deep Water and golfball size hail in Pennaville.									
Mercer County	07	2000 EST	0	0	3	?	?	?	Flash Flood
Heavy rain caused flooding on the Assumpink Creek. The flooding occurred from 2000EST on the 7th until 0100 EST on the 8th. The Assumpink reached a stage of 7.8 ft with flood stage of 7.0 ft.									
Camden County, North Camden	09	1825 EST	1.5	50	0	0	5	0	Tornado (F1)
A tornado which first touched down in Philadelphia moved across the Delaware River and across the northern portion of the City of Camden. Trees were uprooted or broken off, roofs were damaged or torn off and a row of abandoned houses was damaged, with some being completely demolished. The front window and wall of a supermarket was blown down. A number of automobiles were damaged by falling trees. Although the tornado passed across a portion of the Benjamin Franklin Bridge, it did no damage to the bridge but did deposit considerable debris on the bridge. Classification: FFP111									
Mercer County	09	2000 EST	0	0	3	?	?	?	Flash Flood
Heavy rain of 1 to 2 inches caused flooding on the Assumpink Creek. The creek reached a stage of 9.5 ft with flood stage at 7.0 ft. Flooding occurred from 2000EST on the 9th until 1700 EST on the 10th.									
Gloucester County: Williamstown Glassboro	15	1832 EST	0	0	?	?	?	?	Hail(0.75)
	15	1914 EST	0	0	3	?	?	?	TSTM Wind
A thunderstorm dropped 1/2 to 3/4 inch Hail in Williamstown. Wind gusts tore portions of the roof off a house in Glassboro.									
Atlantic County: Millsay Egg Harbor City 2 B Panama	15	1930 EST	0	0	3	?	?	?	TSTM Wind
	15	1935 EST	0	0	3	?	?	?	TSTM Wind
	15	1935 EST	0	0	3	?	?	?	TSTM Wind
Thunderstorm wind gusts downed trees in all three locations. Hail of unspecified size was reported in Millsay.									
Cumberland County, Newport	15	1938 EST	0	0	?	?	?	?	TSTM Wind(52)
Thunderstorm wind gusts were estimated at 52 KTS.									
Ocean County: 2 SW Staffordville Silverton	15	1945 EST	0	0	3	?	?	?	TSTM Wind
	15	2035 EST	0	0	?	?	?	?	TSTM Wind(56)
Thunderstorm wind gusts downed trees and utility lines in Eaglewood Township near Staffordville. Wind gusts of 60 to 65 MPH were reported in Silverton.									
Burlington County, 4 N New Gretna	15	1945 EST	0	0	3	?	?	?	TSTM Wind
Thunderstorm wind gusts downed trees and utility lines in Bass River Township.									
Gloucester County: Hantua Pittman 2 SW Turnersville	16	1727 EST	0	0	3	?	?	?	TSTM Wind
	16	1738 EST	0	0	3	?	?	?	TSTM Wind
	16	1748 EST	0	0	3	?	?	?	TSTM Wind
Thunderstorm wind gusts downed trees and utility lines in Hantua, downed several trees in Pittman and downed large trees in Washington Township near Turnersville.									
Camden County, 1.5 SE Glendale	16	1756 EST	0	0	?	?	?	?	TSTM Wind(56)
A thunderstorm wind gust of 65 MPH was reported.									
Burlington County: Marlton Medford	16	1815 EST	0	0	3	?	?	?	TSTM Wind
	16	1815 EST	0	0	3	?	?	?	TSTM Wind
Thunderstorm wind gusts downed several trees.									
Cumberland County, Millville	16	1820 EST	0	0	3	?	?	?	TSTM Wind
Thunderstorm wind gusts downed trees.									
Burlington County Mt. Holly	16	1840 EST	0	0	3	?	?	?	TSTM Wind
Thunderstorm wind gusts downed large trees.									

NEW JERSEY, Southern									
Cape May County, Wilwood	16	1930 EST	0	0	?	?	?	?	TSTM Wind(56)
Thunderstorm wind gusts of 60 to 65 MPH were reported on the boardwalk.									
Ocean County: 1 W Seaside Heights Tuckerton	16	1930 EST	0	0	?	?	?	?	TSTM Wind(61)
	16	2045 EST	0	0	4	?	?	?	TSTM Wind
Thunderstorm wind gusts were reported at 65 to 70 MPH on Pellicano Island just to the west of Seaside Heights. Wind gusts downed trees and fences and caused roof damage in Tuckerton.									
Atlantic County: Atlantic City Somers Point	16	1945 EST	0	0	3	?	?	?	TSTM Wind
	16	2005 EST	0	0	?	?	?	?	TSTM Wind(56)
Thunderstorm wind gusts downed trees and threw around loose objects in the west portion of Atlantic City. A picnic umbrella was also missing and a 150 lb barbecue was lifted over a 5 ft fence. Wind gusts were measured at 65 MPH in Somers Point.									
Gloucester County	22	1330 EST	0	0	3	?	?	?	Flash Flood
In general there was widespread urban flooding with many roads closed to traffic. Many dry creeks and small creeks and streams flooded. Many houses that never had water in their basements had water this time. The heaviest rain occurred between 1330 EST and 1600 EST and caused major inconvenience to commuter traffic. Structural damage due to flooding was minimal. In Washington Township very heavy rain from 1330 to 1410 EST caused flooding of roadways.									
Burlington County	22	1340 EST	0	0	3	?	?	?	Flash Flood
In general there was widespread urban flooding with many roads closed to traffic. Many dry creeks and small creeks and streams flooded. Many houses that never had water in their basements had water this time. The heaviest rain occurred between 1330 and 1600 EST and caused major inconvenience to commuter traffic. Structural damage due to flooding was minimal. Flooding occurred at the junction of Rts. 70 and 73 in Marlton between 1340 and 1400 EST.									
Camden County	22	1340 EST	0	0	3	?	?	?	Flash Flood
In general there was widespread urban flooding with many roads closed to traffic. Many dry creeks and small creeks and streams flooded. Many houses that never had water in their basements had water this time. The heaviest rain occurred between 1330 and 1600 EST and caused major inconvenience to commuter traffic. Structural damage due to flooding was minimal. Flooding occurred between 1340 and 1400 EST as 1.15 inches of rain fell in 20 minutes in Westmont which flooded roadways.									
Salem County	22	1400 EST	0	0	3	?	?	?	Flash Flood
In general there was widespread urban flooding with many roads closed to traffic. Many dry creeks and small streams and creeks flooded. Many houses that never had water in their basements had water this time. The heaviest rain occurred between 1330 and 1600 EST and caused major inconvenience to commuter traffic. Structural damage due to flooding was minimal. Flooding occurred around 1400 EST in Elmer which received 2.1 inches of rain in 20 minutes.									
Cumberland County	23	1800 EST	0	0	3	?	?	?	Flash Flood
Heavy downpours of 2 to 3 inches caused widespread urban and small stream flooding. Bridgeton reported 3 inches of rain in 1 hour and 15 minutes. Many roadways throughout the county flooded.									
29 NEW MEXICO									
Lea County Eunice	01	1524MST	0	0	?	?	?	?	Hail (1.75)
Golfball size hail was reported by the public.									
Lincoln County 10 NW Ramon	01	1650MST	5	50	0	0	0	?	Tornado (F1)
The tornado missed a ranch house by only a few hundred yards.									
De Baca County: 2 SW Yesso near Yesso 25 SE Vaughn 15 S Ft. Sumner	01	1655MST	8	50	0	0	?	?	Tornado (F1)
	01	1712MST	5	50	0	0	?	?	Tornado (F1)
	01	1800MST	0	0	?	?	2	?	Hail (1.75)
	01	1805MST	0	0	?	?	?	?	Hail (1.00)
Two tornadoes near Yesso were reported by the public. Golfball size hail knocked a car windshield out along Highway 285, 25 miles southeast of Vaughn, and one-inch diameter hail covered the ground 15 miles south of Ft. Sumner as reported by a cooperative observer.									

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## NEW MEXICO

Roosevelt County: SW of Portales Kenna Elida	01	2010MST			0	0	0	?	Hail (0.75)
	01	2016MST			0	0	?	?	Hail (1.75)
	01	2047MST			0	0	?	?	Hail (1.75)
The Roosevelt S.O. reported 0.75 inch diameter hail along Highway 70 just southwest of Portales and golfball size hail covering the ground at Kenna and Elida.									
Colfax County Raton Airport	02	1510MST			0	0	?	?	Hail (1.50)
A pilot reported walnut size hail at the Raton airport.									
Chaves County Roswell	02	1545MST			0	0	0	?	Hail (0.75)
Quay County Ragland	02	1650MST			0	0	?	?	Hail (1.00)
Nickel size hail was reported by the Clovis EDC.									
Curry County Grady	02	1700MST			0	0	?	?	Hail (1.75)
Guadalupe County 20NN Ft. Sumner	02	1803MST			0	0	?	?	Hail (1.75)
Golfball size hail was reported by a cooperative observer.									
Union County: 8 W Pasamonte 28 SE Clayton	03	1730MST			0	0	?	?	Hail (2.00)
	03	1754MST			0	0	?	?	Hail (1.75)
Harding County 10 E Mosquero	03	2015MST			0	0	4	?	Hail (3.00)
Hail up to the size of baseballs was reported by the Harding S.O.									
Quay County 3 NW Tucumcari	03	2045MST			0	0	?	?	Hail (1.00)
One-inch diameter hail was reported by the State P.D.									
Harding County Gallegos	03	2100MST			0	0	4	?	Hail (1.75)
The Harding S.O. reported that golfball size hail did substantial roof damage at Gallegos.									
Quay County: Tucumcari 8 E Tucumcari	03	2100MST			0	0	0	?	Hail (1.00)
	03	2107MST			0	0	2	?	Hail (1.75)
The State P.D. reported one-inch diameter hail in Tucumcari, and golfball size hail broke the windows of a pickup truck 8 miles east of Tucumcari.									
San Miguel County Las Vegas	04	1630MST			0	0	?	?	Hail (1.75)
Roosevelt County	04	1900MST			0	0	5	?	Hail (1.75)
The Portales Civil Defense reported that hail of up to golfball size damaged roofs, broke windows and stripped crops. Damage was estimated at \$50,000.									
Luna County Deming	07	1430MST			0	0	4	0	Dust Devil
A strong dust devil hit a bicycle shop in Deming, causing an estimated \$6500 in damage to the shop.									
Rio Arriba County: Ghost Ranch Velarde	08	1415MST			0	0	4	0	Thunderstorm Wind
	08	1445MST			0	0	4	2	Thunderstorm Wind
Dry microbursts did roof and extensive tree damage at Ghost Ranch and destroyed part of a mobile home, knocked out power, and destroyed a vegetable garden 14 miles northeast of Espanola in Velarde. The Ghost Ranch microburst had winds estimated at 75 mph.									
Sierra County Williamsburg	08	1500MST			0	0	4	0	Dust Devil
A dust devil in Williamsburg picked up a camper and dumped it in a neighboring yard, and destroyed patio furniture. Damage was estimated at \$20,000.									
Santa Fe County: Edgewood 6 SE Stanley	08	1545MST	2	25	0	0	0	0	Tornado (F0)
	08	1612MST	5	50	0	0	0	0	Tornado (F1)
The State P.D. observed two tornadoes. The first was weak and occurred just north of Interstate 25 at Edgewood. The second, seen 6 miles southeast of Stanley, appeared to be larger and stronger, but only traveled across open ground.									
San Miguel County 5 N Las Vegas	09	1420MST			0	0	?	?	Hail (1.75)
Golfball size hail was reported by the State P.D.									
Chaves County Lake Arthur	09	1515MST			0	0	?	?	Hail (1.75)
Guadalupe County Newkirk	09	1705MST			0	0	3	?	Hail (1.00)
One-inch diameter hail did some minor automobile damage at Newkirk. Damage was estimated at \$3000.									
Bernalillo County Albuquerque	09	1715MST			0	0	5	0	Thunderstorm Wind
A dry microburst caused the collapse of the steel frame of a building under construction in northern Albuquerque, causing an estimated \$100,000 in damage.									

## NEW MEXICO

Chaves County Roswell	09	2015MST			0	0	?	?	Hail (1.75)
Lincoln County: Picacho 8 E Picacho	10	1230MST			0	0	3	?	Hail (2.75)
	10	1240MST			0	0	?	?	Hail (2.75)
The State P.D. reported large hail at Picacho that broke automobile windshields, and hail of similar size described as an inch larger than golf balls 8 miles east of Picacho along Highway 380.									
Chaves County: 15 W Roswell Two Rivers Res. SW Chaves County	10	1300MST			0	0	?	?	Hail (2.00)
	10	1415MST			0	0	?	?	Hail (1.00)
	10	1430MST			0	0	?	?	Thunderstorm Wind
The State P.D. reported 2-inch diameter hail along Highway 380, 15 miles west of Roswell. One-inch hail fell at Two Rivers Reservoir. Thunderstorm winds damaged trees and a few outbuildings at a ranch 5 miles north of Highway 82 in southwest Chaves County.									
Guadalupe County 20 SE Santa Rosa	10	1505MST			0	0	?	?	Hail (1.00)
The county coordinator reported one-inch diameter hail along Highway 84, 20 miles southeast of Santa Rosa.									
Lea County 3 S Lovington	10	1531MST			0	0	?	?	Hail (1.75)
Golfball size hail was reported by the police.									
Eddy County: near Artesia	10	1600MST	8	50	0	0	?	?	Tornado (F1)
	10	1600MST			0	0	?	?	Hail (1.75)
Several individuals snapped photographs of a tornado as it roared across open country very near Artesia. Also, golfball size hail fell from the storm.									
Eddy County Hope	10	1625MST			0	0	?	?	Hail (1.00)
The hail was reported by a cooperative observer.									
Lea County Lovington	10	1630MST			0	0	0	0	Hail (0.75)
The Lovington Fire Department reported penny size hail.									
Eddy County Carlsbad	10	1640MST			0	0	7	?	Hail (3.00)
Hail up to three inches in diameter did an estimated \$10 million in damage to roofs, windows and automobiles in Carlsbad.									
Lea County 10 SE Tatum	10	1702MST	3	25	0	0	0	0	Tornado (F0)
A tornado was observed moving across open country 10 miles southeast of Tatum by Lovington Fire Department personnel.									
Eddy County: Artesia Loving 8 W Carlsbad	10	1705MST			0	0	?	?	Hail (1.00)
	10	1725MST			0	0	?	?	Hail (1.50)
	10	1740MST			0	0	?	?	Hail (3.00)
A cooperative observer reported 1.5 inch diameter hail at Loving, and another cooperative observer measured hailstones as large as three inches in diameter 8 miles west of Carlsbad.									
Harding County Bueyeros	12	1550MST			0	0	?	?	Hail (1.50)
The Harding S.O. reported hail of up to 1.5 inches in diameter at Bueyeros, 20 miles northeast of Mosquero.									
Quay County 5 NE Tucumcari	12	1600MST			0	1	5	?	Hail (3.00)
Hail of up to 3 inches in diameter damaged vehicles and roofs, broke skylights, and injured one man who was hit on the head. His injury required several stitches. Damage was estimated at \$150,000.									
Dona Ana County Las Cruces Airport	13	1430MST			0	0	4	?	Thunderstorm Wind
Wind gusts of 102 mph occurred at the Las Cruces airport. The only damage reported was that done to several traffic lights that crashed to the ground. Damage was estimated at \$40,000.									
Lea County 4 SE Maljamar	13	1545MST			0	0	?	?	Hail (0.75)
Dime size hail was reported by the police.									
Lea County near Hobbs	13	1655MST			0	0	0	0	Funnel
The State P.D. observed a funnel near Hobbs.									
Curry County Clovis	13	1800MST			0	0	4	?	Thunderstorm Wind
Strong thunderstorm wind unroofed one house and one commercial building, and knocked power to 1600 people out for two hours in Clovis.									
Chaves County Roswell	16	1338MST			1	0	0	0	Lightning
A 38 year old man was struck by lightning in Roswell. He died on June 20th. M38?									



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	
<b>NEW MEXICO</b>											
Quay County: 8 W Ragland	24	1720MST			0	0	?	?			Thunderstorm Wind
Quay P.O.	24	1755MST			0	0	0	0			Hail (0.75)
11 N Tucumcari	24	1822MST			0	0	?	?			Hail (1.75)
Quay	24	1830MST			0	0	?	?			Hail (1.75)
Quay	24	1845MST			0	0	?	?			Hail (1.75)
5 W Logan	24	1950MST			0	0	?	?			Hail (1.00)
					Large hail fell in several parts of Quay County, but mainly in Quay. Wind gusts estimated at 60 mph occurred 8 miles west of Ragland.						
Harding County 10 N Logan	24	2000MST			0	0	?	?			Hail (1.00)
					One-inch diameter hail was reported by the Harding S.O. along Highway 39, 10 miles north of Logan.						
Quay County: Logan	24	2015MST			0	0	?	?			Hail (1.00)
Endee	24	2053MST			0	0	?	?			Hail (1.75)
Rio Arriba County 3 N Espanola	25	1500MST			0	0	4	?			Dust Devil
					A dust devil occurring under a clear blue sky unroofed two houses and did major damage to one automobile three miles north of Espanola. Damage was estimated at \$30,000.						
Curry County: Cannon AFB	28	1633MST			0	0	?	?			Hail (1.00)
Clovis	28	1700MST			0	0	?	?			Hail (0.75)
					The Clovis EOC reported dime size hail 1700MST.						
Lea County: Hobbs	28	1714MST			0	0	?	?			Thunderstorm Wind
Hobbs	28	1714MST			0	0	?	?			Hail (0.75)
Hobbs	28	1800MST			0	0	4	0			Thunderstorm Wind
Jal	28	1832MST			0	0	?	?			Thunderstorm Wind
					Sixty-five mph winds and 0.75 inch diameter hail were reported at the Lea County Airport in Hobbs. Forty-six minutes later, winds estimated at 90 mph destroyed a mobile home and downed power lines in Hobbs. An estimated \$35,000 in damage was done. At 1832MST, estimated 60 mph winds were reported by the Jal P.D.						
Union County Pasmonte	29	1528MST			0	0	?	?			Hail (1.75)
De Baca County 8 S Ft. Sumner	29	1830MST			0	0	0	?			Hail (0.75)
					A cooperative observer reported penny size hail.						
Roosevelt County: 4 NW Portales	29	1946MST	1	30	0	0	0	0			Tornado (F0)
Portales	29	2004MST			0	0	4	?			Thunderstorm Wind
Portales area	29	2004-2150MST			0	0	?	?			Flash Flood
					The public observed a weak tornado in open country 4 miles north-west of Portales. Estimated 70 mph winds blew down power lines in Portales. Flash flooding put Highway 267 under several feet of water near Portales, and Highway 70 was covered in spots as well.						
Chaves County Hagerman	29	2110MST			0	0	0	?			Thunderstorm Wind
					Wind estimated at 65 mph did minor tree damage at Hagerman						
Eddy County near Carlsbad Caverns N.P.	30	0005MST			0	0	0	0			Hail (1.00)
					One-inch diameter hail fell near Carlsbad Caverns National Park.						
<b>30 NEW YORK, Coastal</b>											
Suffolk County	10	0100EST			0	0	?	0			Flood
					A low pressure system traveling northeastward along a stationary frontal zone generated some very heavy rains across the region. Rain which began falling during the early morning hours, increased in intensity as the low moved across the area that night. Eastern sections of Long Island received the bulk of the rain, having received amounts generally ranging between 2 and 3 inches.						
<b>30 NEW YORK, Central</b>											
Orange Co. Newburgh	19	2100EST			0	0	4	0			Tstm. Wind
Newburgh	19	2100EST			0	0	3	3			Lightning
Ulster Co. Saugerties	19	2100EST			0	0	3	2			Tstm. Wind
Peekamoose	19	2118EST			0	0	3	0			Tstm. Wind
					Powerful thunderstorms with strong winds and vivid lightning struck Orange and Ulster counties. The result was downed trees, tree limbs and power lines.						
Tioga Co. Owego	22	1735EST			1	1	?	0			Lightning
					Two males were struck by lightning at Hickory Park in the Town of Owego. Both males were in the process of setting up a tent, when the storm hit. They had sought shelter under a tree when the tree they were under was hit by lightning.						
					M-26-0						
Delaware Co. Delhi	23	1430EST to 1500EST			0	0	3	0			Small Stream Flooding
Sullivan Co. Jeffersonville	23	1438EST			0	0	5	0			Lightning
					Small streams flooded in Delaware County as the result of very heavy rain from thunderstorms. Roads affected included Hamden Hill, Williams, and Glen Burnie roads. Lightning struck a power substation, knocking out power to 3,400 homes. The blackout affected the towns of Jeffersonville to Cochecton, Narrowsburg, Yulan and Barryville.						
Columbia Co. Livingston	23	1911EST			0	0	4	0			Tstm. Wind
Livingston	23	1911EST			0	0	4	0			Lightning
Philmont	23	1920EST			0	0	3	0			Tstm. Wind
Claverack	23	1920EST			0	0	3	0			Tstm. Wind
					Trees were downed. In the town of Livingston, one fell on a house. Heavy rain also forced traffic to come to a temporary standstill. Lightning was responsible for a truck fire and several power outages. Heavy rain washed out a portion of a gravel road along Rt. 22 in Austerlitz.						
Saratoga Co. S. Glens Falls	23	2002EST			0	0	5	0			Lightning
Clifton Park	23	2020EST			0	0	4	0			Tstm. Wind
Albany Co. Albany	23	2044EST			0	0	?	?			Hail (0.75)
Rensselaer Co. Troy	23	2100EST			0	0	4	0			Lightning
Troy	23	2235EST			0	0	4	0			Lightning
					Damage consisted of trees, tree limbs and power lines downed. Heavy rain associated with the thunderstorms also forced traffic along I-87 to a standstill. Lightning strikes in South Glens Falls knocked out a power substation. In the city of Troy lightning struck two homes.						
Chenango Co. Norwich	24	1240EST			0	7	?	3			Lightning
Tioga Co.	24	1300EST to 1843EST			0	0	3	0			Small Stream Flooding
Broome Co. to 1402EST	24	1300EST to 1402EST			0	0	3	0			Urban Flooding
Maine Union	24	1300EST to 1420EST			0	0	0	0			Tstm. Wind
Oneida County Lee Center	24	1436EST			0	0	?	?			Hail (1.00)
Lee Center to IHSW Lee Center	24	1439-1442EST	1.5	62.5	0	0	3	2			Tornado (F1)
Madison County Munnsville	24	1520EST			0	0	3	0			Tstm. Wind
Morrisville	24	1556EST			0	0	4	0			Tstm. Wind
Sheds	24	1610EST			0	0	3	0			Flash Flood
Cortland County Cincinnati	24	1715EST			0	0	3	0			Tstm. Wind
Marathon	24	1715EST			0	0	3	0			Tstm. Wind
Marathon	24	1715EST			0	0	?	?			Hail (0.75)
Broome County Lisle	24	1742EST			0	0	3	0			Tstm. Wind
Whitney Point	24	1745EST			0	0	2	0			Tstm. Wind
					A tornado near Lee Center did severe damage to a farm building, trees and power lines. The tornado moved from north to south. The tornado was observed by several meteorologists from Griffiss Air Force Base. Trees, large limbs and power lines were downed						

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>NEW YORK, Central</b>									
									<p>in many locations of central New York. A flash flood also occurred in Sheds, where a small unnamed creek flooded several homes and garages during a thunderstorm with heavy rain. Small stream flooding occurred in Tioga where a portion of the Montrose Turnpike was closed. Many homes near the turnpike also suffered moderate water damage. In the town of Maine in Broome County, Lewis Road was closed when debris clogged a 4 foot drain pipe. In Chenango County, five persons were injured when they were hit by lightning. One male required CPR in order to be revived. Hospital spokesmen indicated that 7 persons had been transported, but only 5 required treatment.</p>
Otsego County New Lisbon	26	1500-1640EST			0	0	3	0	Flooding
									<p>A beaver dam broke on the afternoon of the 26th at 1600EDT. No precipitation was in the area, however, heavy rain had fallen over the weekend. At 1645EDT, Gregory and Town Line, and County Route 16, were under water and closed. By 1740EDT, the water had receded and road crews were repairing the damage.</p>
Dutchess County Wappingers Fishkill	26	1820EST			0	0	3	0	Tstm. Wind
	26	1820EST			0	0	3	0	Tstm. Wind
									Trees were downed.
Oneida County City of Rome Lee Lee Taberg Westmoreland Holland Patent Floyd Lee Center West Leyden McConnellsville Vienna Sylvan Beach Sylvan Beach	27	2000EST			0	0	3	0	Lightning
	27	2003EST			0	0	4	0	Lightning
	27	2003EST			0	0	4	4	Tstm. Wind
	27	2005EST			0	0	3	0	Tstm. Wind
	27	2005EST			0	0	4	0	Tstm. Wind
	27	2010EST			0	0	4	0	Lightning
	27	2015EST			0	0	3	0	Tstm. Wind
	27	2015EST			0	0	2	0	Tstm. Wind
	27	2016EST			0	0	3	0	Tstm. Wind
	27	2018EST			0	0	3	0	Tstm. Wind
	27	2020EST			0	0	3	0	Tstm. Wind
	27	2024EST			0	0	4	0	Tstm. Wind
	27	2024EST			0	0	2	0	Lightning
Orange County Newburgh Newburgh	27	2112-2125EST			0	0	4	4	Multiple Downburst Winds
	27	2112EST			0	0	4	0	Lightning
Dutchess County Beacon	27	2130EST			0	0	3	3	Tstm. Winds
									Trees, tree limbs and power lines were downed. Griffiss Air Force Base in Oneida County reported very vivid lightning. In the city of Newburgh the storm tracked from Pierce Road in the northeast corner to Gully's floating bar in the southeast section of the city, along the waterfront. The downbursts covered a path three miles long by one-quarter mile wide at its widest point.
Warren County Stoney Creek	27	2228EST			0	0	2	0	Tstm. Wind
Saratoga County Corinth 11NSW Glens Falls	27	2230EST			0	0	4	0	Tstm. Wind
	27	2230EST			0	0	3	0	Tstm. Wind
Washington County Salem	27	2250EST			0	0	3	0	Tstm. Wind
									Trees, large limbs and power lines were downed.
<b>30 NEW YORK, Western</b>									
ERIE COUNTY	01	0100EST-0400EST			0	0	4	0	FLOODS
									<p>Thunderstorms crossed western New York during the early morning hours. At the Buffalo airport about two-thirds of an inch of rain was recorded but much heavier amounts fell over the southern portions of the county. The village of Colden received 2.4 inches of rain. Runoff from the hills in the Town of Aurora caused mudslides and forced the evacuation of some homes along Cazenovia Creek. Cazenovia Creek overflowed its banks, cresting about a half a foot above flood stage at Ebenezer. Cayuga and Black creeks crested near flood stage. A lightning strike sparked a fire that gutted an apartment in the village of Lancaster, doing an estimated damage of \$15,000. The thunderstorms triggered power failures. About 5000 customers in the Eden-North Collins area and 7000 in the Orchard Park area were without power. Blackouts were also reported in Lancaster, Depew, Cheektowaga, Clarence and Alden.</p>
<b>NEW YORK, Western</b>									
NIAGARA COUNTY N. Tonawanda ERIE COUNTY Kenmore, Amherst, Cheektowaga, North Buffalo	09	1100EST-2100 EST			0	0	4	0	FLOODS
									<p>Thunderstorms and heavy downpours dropped a record 3.01" of rain at the Buffalo Airport. Rainfall amounts from 3 to 4" were reported in Amherst. Reports of flooded roads, viaducts, intersections, and basements were numerous. A power company spokesman reported nearly 2000 customers without electricity. Scajaquada Creek at Buffalo crested 0.75 feet above flood stage.</p>
ALLEGANY COUNTY Wellsville WYOMING COUNTY Portageville LIVINGSTON CO. Groveland ORLEANS CO. Medina	20	0900EST-21 1100EST			0	0	4	0	FLOODS
									<p>From 2 to 3 inches of rain fell over the upper Genesee River basin on the 20th. The Genesee River crested at Wellsville at 3.3 ft. above flood stage at midnight on the 21st. Downstream at Portageville the river reached 1.6 feet above flood stage at noon on the 21st. In Allegany Co. portions of County Rtes. 46, 29, 38, 10, 12, and 19 had to be closed. Some evacuations took place in Wellsville. In the town of Groveland in Livingston County several roads had to be closed. Extensive drainage flooding also closed many roads in Orleans County.</p>
CATTARAUGUS CO.	20	0900EST-21 1600EST			0	0	3	0	FLOODS
									<p>From 1.5 to 2.5" of rain fell over the upper Allegany River basin. The river reached flood stage at Olean on the evening of the 20th. At Salamanca, the river reached flood stage during the early morning on the 21st. Several state and county roads were reported under water and closed. The heavy rains caused flooding and evacuations of campers at Allegany State Park.</p>
NIAGARA COUNTY Lockport ORLEANS COUNTY Albion WYOMING COUNTY Arcade GENESEEE COUNTY	22	1100EST-24 1100EST			0	0	6	7	FLOODS
									<p>Many streams in western New York were still swollen from previous rains when heavy thunderstorms again crossed the area during the afternoon of the 22nd. Lockport, Albion, and Arcade reported rainfall of 3.3, 3.0, and 2.9, respectively. States of emergency were declared for the Village of Arcade in Wyoming Co. and for Albion in Orleans Co. In Arcade trees were uprooted and moved 500 ft. by the flood waters. The raging waters ate away the roadbed of the Conrail line in the town of Dale in Wyoming Co. Genesee Co. had 3 bridges washed away. Officials said it would cost \$0.75 million to replace them. There were numerous reports of road, basement and yard flooding throughout the above counties. Orleans and Genesee counties reported crop losses amounting to \$22 million. Tonawanda, Oatka and Black creeks all reached flood stage.</p>
CATTARAUGUS CO. Salamanca, Olean and Portville	22	1100EST-24 1100EST			0	0	5	0	FLOODS
									<p>Heavy thunderstorms crossed over the Allegheny River basin which was already running above flood stage, causing it to rise even more. At Olean and Salamanca the river crested around 3.5 ft. above flood stage. Numerous reports of road and basement flooding were received. A bridge in Franklinville was washed out. In Portville, 50 persons had to be evacuated from their homes. Portions of State Rtes. 219, 242, 16, and 98 were closed due to the flooding.</p>

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED <sup>1</sup> DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	
<b>NEW YORK, Western</b>											
CATTARAUGUS CO: Olean	27	1615EST			0	0	3	0			LIGHTNING
Ellicottville	27	1645EST			0	0	3	0			HAIL (1.75)
ALLEGANY COUNTY Fillmore	27	1700EST			0	0	3	0			TSTM WIND
<p>A severe thunderstorm crossed Cattaraugus and parts of Allegany counties, resulting in power outages and poor drainage flooding. Golf ball size hail was reported in Ellicottville. Over 1000 customers were without power in the town of Great Valley. Roads were reported flooded in the towns of Little Valley and Allegany.</p>											
LIVINGSTON COUNTY: Nunda	27	1730EST			0	0	3	0			TSTM WIND
Dansville	27	1730EST			0	0	3	0			TSTM WIND
ONTARIO COUNTY: Gorham	27	1815EST			0	0	3	0			TSTM WIND
Canandaigua	27	1815EST			0	0	3	0			LIGHTNING
<p>Thunderstorms crossed Livingston and Ontario counties during the evening hours. Power outages were scattered across the area, with 7000 customers affected. Numerous large trees were downed in Nunda, Dansville, Gorham and Canandaigua. The Livingston Co. sheriff reported large hail in the Nunda-Dansville area.</p>											
<b>31 NORTH CAROLINA</b>											
Buncombe Co. Skyland	02	1240EST			0	0	0	0			Hail (1.00)
Richmond Co. Hamlet	02	1420EST			0	0	0	0			Hail (0.75)
Cherokee Co. Murphy	02	1426EST			0	0	0	0			Hail (0.75)
Wilkes Co. Trophill	02	1510EST			0	0	0	0			TSTM Winds
Iredell Co. near Harmony	02	1603EST			0	0	0	0			TSTM Winds
Guilford Co. East of Monticello	02	1615EST			0	0	0	0			Hail (1.00)
Harnett Co. near Seminole	02	1620EST			0	0	4	0			TSTM Winds
Davie Co. Northern	02	1630EST			0	0	0	0			TSTM Winds
Alamance Co. 3 N Burlington	02	1700EST			0	0	0	0			TSTM Winds
Granville Co. 3 W Oxford	02	1800EST			0	0	0	0			TSTM Winds
Vance Co. 2 S Henderson	02	1820EST			0	0	4	0			TSTM Winds
Nash Co. Red Oak	02	1840EST			0	0	0	0			TSTM Winds
Gates Co. Sunbury	02	1845EST			0	0	4	0			Lightning
Robeson Co. Lumberton	02	2053EST			0	0	0	0			TSTM Winds
Pasquotank Co. Elizabeth City	02	2110EST			0	0	4	0			TSTM Winds
Currituck Co. Maple	02	2116EST			0	0	0	0			TSTM Winds
<p>During the early morning hours thunderstorms developed over the mountains and swept across the state during the day producing large hail wind damage. The roof was blown off a truck trailer and barns were destroyed near Seminole. South of Henderson windows were blown out of a house and a mobile home was overturned. A house under construction in Elizabeth City was blown down. Trees were blown down along a two mile long path near Maple. Lightning set fire to a house in Sunbury.</p>											
<b>NORTH CAROLINA</b>											
Duplin Co. 5 NE Kennansville	03	1420EST			0	0	0	0			Hail (1.00) TSTM Winds
Craven Co. Ernul	03	1530EST			0	0	0	0			Hail (1.50) TSTM Winds
Onslow Co. 8 NW Jacksonville	03	1542EST			0	0	0	0			TSTM Winds
Pitt Co. Greenville	03	1642EST			0	0	0	0			Hail (1.00)
Bladen Co. 4 N Elizabethtown	03	1845EST			0	1	0	0			Lightning
<p>Thunderstorms blew down trees and damaged buildings across the eastern part of the state. Large hail fell in Ernul and Greenville. Fifty-eight MPH winds were reported at Albert Ellis Airport. A man was seriously injured by lightning near Elizabethtown.</p>											
Buncombe Co. near Arden	04	1430EST			0	0	0	0			TSTM Winds
Sampson Co. Dobbersville	04	1452EST			0	0	5	0			TSTM Winds
<p>Trees were blown down near Arden. Thunderstorm winds also destroyed a barn and \$60,000 of equipment in Dobbersville.</p>											
Dare Co. Kitty Hawk	04	1700EST	0.1	20	0	1	5	0			Waterspout-Tornado (F1)
<p>A waterspout-tornado struck Kitty Hawk, moving onshore from Kitty Hawk Bay. It damaged nine buildings and two cars. A restaurant employee received an electrical shock when the roof was blown off the building.</p>											
McDowell Co. Marion	05	1300EST			0	0	0	0			Hail (1.75)
Wake Co. Cary	05	1625EST			0	0	4	0			Lightning
Franklin Co. 2 S Youngsville	05	1625EST			0	0	4	0			TSTM Winds
Union Co. New Salem	05	1629EST			0	0	0	0			Hail (0.75)
Polk Co. Tryon	05	1637EST			0	0	0	0			Hail (0.75)
Rutherford Co. Southern	05	1640EST			0	0	0	0			TSTM Winds
Nash Co. Coopers Pond	05	1715EST			0	0	3	0			TSTM Winds
Lincoln Co. Iron Station	05	1810EST			0	0	0	0			TSTM Winds
Moore Co. Northern	05	1815EST			0	0	0	0			TSTM Winds
Scotland Co. Laurinburg	05	1925EST			0	0	0	0			Funnel Cloud
Harnett Co. Lillington	05	2009EST			0	0	0	0			Hail (1.75)
Randolph Co. 3 E Asheboro	05	2012EST			0	0	0	0			TSTM Winds
<p>Severe thunderstorms moved from western to central North Carolina producing large hail, lightning and wind damage. Lightning started a fire that damaged a house in Cary. Trees were blown down and three barns were destroyed in Youngsville. In Coopers Pond trees were blown down and the roof was blown off an old house.</p>											
Pender Co. Scotts Hill	05	1357EST			0	0	0	0			Hail (0.75)
Sampson Co. Newton Grove	05	1400EST			0	0	5	4			TSTM Winds
<p>A small cluster of severe thunderstorms produced large hail in Scotts Hill and blew over trees and a barn near Newton Grove, damaging \$40,000 in equipment.</p>											
Brunswick Co. Southern	06	1108EST			0	0	0	0			Funnel Cloud
New Hanover Co. Southern	06	1345EST			0	0	0	0			Waterspout
<p>A funnel cloud was sighted in southern Brunswick County. A Waterspout was sighted off the southern shore of New Hanover County.</p>											
Johnston Co. Pine Level	07	1442EST			0	0	0	0			Hail (1.75)
<p>Golf ball size hail fell in Pine Level.</p>											
Dare Co. Southern Shores	08	1605EST			0	2	0	0			Lightning
<p>Two golf course employees were struck and injured by lightning.</p>											

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>NORTH CAROLINA</b>									
Rutherford Co. Rutherfordton	12	1400EST			0	0	0	0	TSTM Winds
Caldwell Co. Collettsville	12	1430EST			0	0	5	0	TSTM Winds
Wilkes Co. Mulberry	12	1502EST			0	0	0	0	TSTM Winds
Wilkes Co. Wilkesboro	12	1520EST			0	1	5	0	TSTM Winds
Lincoln Co. Rogers City	12	1530EST			0	0	0	0	Funnel Cloud
Yadkin Co. Yadkinville	12	1550EST			0	0	0	0	TSTM Winds
Union Co. near Fairview	12	1559EST			0	0	0	0	TSTM Winds
Lincoln Co. E of Crouse	12	1600EST			0	0	0	0	TSTM Winds
Gaston Co. Gastonia	12	1605EST			0	0	0	0	TSTM Winds
McDowell Co. Marion	12	1620EST			0	0	0	0	TSTM Winds
Rockingham Co. 2 SE Williamsburg	12	1630EST			0	0	0	0	TSTM Winds
Caswell Co. Southwest	12	1640EST			0	0	0	0	TSTM Winds
Mecklenburg Co. McGuire Nuclear Power Plant	12	1654EST			0	0	0	0	TSTM Winds
Union Co. 7 S Monroe	12	1700EST			0	0	0	0	TSTM Winds
Harnett Co. Benson	12	1755EST			0	0	0	0	TSTM Winds
Durham Co. 2 N Durham	12	1830EST			0	0	0	0	Hail (0.75)
Cranville Co. Northside	12	1830EST			0	0	0	0	Hail (0.75)
<p>Severe thunderstorms formed over the North Carolina mountains and moved east producing funnel clouds, large hail and widespread tree damage. In Caldwell County winds damaged 18 homes, 17 buildings and 4 cars. One mobile home was destroyed. Damage was around \$150,000. In Wilkesboro a man was injured when winds blew the roof off a factory. In Yadkin County trees were blown down along a wide area from Marler to Yadkinville. Burns were damaged and trees blown down just east of Crouse. Winds of 62 MPH were recorded at the McGuire Nuclear Plant in Mecklenburg County.</p>									
Harnett Co. Coats	12	1850EST	.2	30	0	0	4	0	Tornado (F1)
<p>A small tornado touched down briefly in Coats. Witnesses saw the tornado take the roof off a barn and blow down trees along a very short path.</p>									
Transylvania Co. Rosman	14	1445EST			0	0	0	0	Flood
Watauga Co. Boone	14	1700EST			0	0	5	0	Flash Flood
<p>Many areas received about 5 inches of rain in the mountains, flooding about eight homes and five buildings in Boone. The French Broad River flooded some of the main roads in Rosman.</p>									
Polk Co. Tryon	15	1300EST			0	0	0	0	TSTM Winds
Cleveland Co. Polkville	15	1305EST			0	0	0	0	TSTM Winds
Lincoln Co. Western	15	1315EST			0	0	4	0	TSTM Winds
Rutherford Co. Rutherfordton	15	1330EST			0	0	0	0	TSTM Winds
Catawba Co. Conover	15	1347EST			0	0	0	0	TSTM Winds
Forsyth Co. Winston-Salem	15	1400EST			0	0	0	0	Hail (1.00)
Cleveland Co. Polkville	15	1413EST			0	0	0	0	TSTM Winds
Johnston Co. Selma	15	1645EST			0	0	4	0	TSTM Winds
Nash Co. Near Bailey	15	1725EST			0	0	4	0	TSTM Winds
Wilson Co. Western	15	1725EST			0	0	0	0	TSTM Winds
Halifax Co. Scotland Neck	15	1725EST			0	0	4	0	TSTM Winds
Hoke Co. Red Springs	15	1750EST			0	0	0	0	TSTM Winds
Edgecombe Co. Tarboro	15	1800EST			0	0	0	0	TSTM Winds
Cumberland Co. Fayetteville	15	1815EST			0	0	0	0	TSTM Winds
Northampton Co. Southeast	15	1815EST			0	0	0	0	TSTM Winds
Harnett Co. Johnsville	15	1830EST			0	0	0	0	TSTM Winds
Johnston Northern	15	1900EST			0	0	0	0	TSTM Winds
Moore Co. NE of Carthage	15	1905EST			0	0	0	0	TSTM Winds
Johnston Co. Four Oaks	15	1945EST			0	0	0	0	TSTM Winds

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					KILLED	INJURED	PROPERTY	CROPS	
<b>NORTH CAROLINA</b>									
Nash Co. Rocky Mount	15	1945EST			0	0	0	0	TSTM Winds
Wake Co. Garner	15	1953EST			0	0	0	0	Hail (0.75)
Iredell Co. Statesville	15	Afternoon			0	0	5	0	TSTM Winds
<p>Once again severe thunderstorms formed over the mountains in the morning and swept across the entire state by the end of the day. Most severe events consisted of downed trees and power lines, and large hail. Winds of 55 to 60 MPH were reported at WYTN in Tryon. Trees were downed and the roof was blown off a mobile home in western Lincoln County. Falling trees damaged cars in Johnston County. A mobile was destroyed near Bailey. In Scotland Neck winds blew down trees and destroyed three vacant mobile homes. Much of Cumberland County suffered tree damage. A large grain silo and two mobile homes were destroyed in Statesville.</p>									
Robeson Co. Red Springs	15	1750EST			0	0	0	0	TSTM Winds
Hertford Co. Murfreesboro	15	1825EST			0	0	5	0	TSTM Winds
Hertford Co. Como	15	1900EST			0	0	0	0	Hail (1.75) TSTM Winds
<p>In the eastern part of the state severe thunderstorms produced large hail and blew down trees and small buildings. Several homes were damaged in Murfreesboro.</p>									
Randolph Co. 8 SSE Farmer	16	1240EST	0.1	30	0	0	5	0	Tornado (F1)
<p>A small tornado touched down briefly in a rural part of southwest Randolph County. Most of the damage was to trees but it did cut through the middle part of a very long metal building.</p>									
Randolph Co. 5 W of Asheboro	16	1323EST	0.5	20	0	0	4	0	Tornado (F1)
<p>A small tornado touched down briefly about 5 miles west of Asheboro just north of U.S. Highway 64. It destroyed a mobile home and damaged a barn. A large number of trees were blown down.</p>									
Transylvania Co. Rosman	16	1445EST			0	0	0	0	Flood
Watauga Co. Boone	16	1600EST			0	0	0	0	Mud Slide
<p>Heavy rains over the past two days produced flooding on the French Broad River at Rosman. No structures were threatened. Mud slides blocked U.S. Highway 321 near Boone.</p>									
Randolph Co. Asheboro	16	1300EST			0	0	0	0	TSTM Winds
Randolph Co. Rameur	16	1305EST			0	0	0	0	TSTM Winds
Cuiford Co. E of Greensboro	16	1330EST			1	0	0	0	TSTM Winds
Moore Co. 4 NW Carthage	16	1330EST			0	0	0	0	Hail (1.75)
Durham Co. Durham	16	1405EST			0	0	0	0	Hail (1.75)
Franklin Co. Louisburg	16	1415EST			0	0	0	0	Hail (1.00)
Franklin Co. Kearney	16	1420EST			0	0	4	0	TSTM Winds
Warren Co. 2 S Warrenton	16	1440EST			0	0	0	0	TSTM Winds
Cumberland Co. Fayetteville	16	1510EST			0	0	0	0	Hail (0.75)
Wake Co. Zebulon	16	1530EST			0	0	0	0	Hail (0.75)
Wayne Co. Goldsboro	16	1800EST			0	0	0	0	TSTM Winds
Robeson Co. 2 N Lumberton	16	1615EST			0	0	0	0	TSTM Winds
Mecklenburg Co. Charlotte	16	1638EST			0	0	0	0	TSTM Winds
Union Co. Monroe	16	1648EST			0	0	6	0	TSTM Winds
Union Co. Marshallville	16	1655EST			0	0	0	0	TSTM Winds
Anson Co. Northern	16	1700EST			0	0	0	0	TSTM Winds
Anson Co. Wadesboro	16	1705EST			0	0	6	0	TSTM Winds
Richmond Co. Montgomery Co.	16	1720EST			0	0	0	0	TSTM Winds
Montgomery Co. N of Troy	16	1724EST			0	0	0	0	TSTM Winds
Randolph Co. 2 NE Randleman	16	1745EST			0	0	0	0	TSTM Winds
Moore Co. Robbins	16	1745EST			0	0	0	0	TSTM Winds
Randolph Co. W of Liberty	16	1755EST			0	0	0	0	TSTM Winds
Scotland Co. Laurel Hills	16	1755EST			0	0	0	0	TSTM Winds
Chatham Co. Siler City	16	1755EST			0	1	5	0	Funnel Cloud TSTM Winds
Scotland Co. Wagram	16	1755EST			0	0	0	0	TSTM Winds

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	

NORTH CAROLINA									
Orange Co. Buckhorn	16	1800EST			0	0	4	0	TSTM Winds
Hoke Co. 6 E Raeford	16	1800EST			0	0	0	0	TSTM Winds
Cumberland Co. Fayetteville	16	1820EST			0	0	0	0	TSTM Winds
Lee Co. N of Sanford	16	1825EST			0	0	0	0	TSTM Winds
Guilford Co.	16	1830EST			0	0	0	0	TSTM Winds
Durham Co. 5 N Durham	16	1830EST			0	0	0	0	TSTM Winds
Alamance Co. Elon College	16	1845EST			0	0	6	0	TSTM Winds
Caswell Co. Matkins	16	1855EST			0	0	0	0	TSTM Winds
<p>June 16th was the most active severe weather day of the month. Severe thunderstorms continued over much of the state throughout the day. There were many reports of trees and power lines blown down and large hail. Just east of Greensboro a 21 year old man was killed when his car was struck by a falling utility pole. A barn was destroyed and a boat and a car were damaged in Kearney. Wind damage was reported over much of Union County. A total of 62 homes and 10 mobile homes were damaged. Three mobile homes were destroyed. Ten businesses and 18 churches were damaged. Total damage was near 3.5 million dollars. In Anson County winds produced a wide damage path from the southwest part of the county to near Wadesboro damaging trees, barns and small buildings. Trees were blown down over much of Richmond County. In Chatham County near Siler City thunderstorm winds damaged two houses, five businesses, and two mobile homes. Ten mobile homes were destroyed. One man was injured when a tree fell through his mobile home. A funnel cloud was sighted. In Alamance in the Elon College and Burlington areas 22 homes were damaged and a large radio tower was blown down. About 20 structures were damaged and numerous trees were blown down in the Matkins area of Caswell County. M21V</p>									
Stanley Co. Aquadale	16	1708EST	1	10	0	0	6	0	Tornado (F1)
<p>A small tornado touched down in Aquadale and moved about one mile through town. The path was only about 20 feet wide in most areas. The tornado damaged about 70 dwellings, 10 businesses, and two churches. Additional wind damage was scattered about throughout the county. Total damage was near \$2 million.</p>									
Robeson Co. Barnesville	20	1130EST			0	0	0	0	TSTM Winds
<p>Large trees were blown down in Barnesville.</p>									
Stokes Co. Southwest	21	0130EST			0	0	0	0	TSTM Winds
<p>Severe thunderstorm winds blew down trees and power lines in southwest Stokes County.</p>									
Cherokee Co. Murphy	21	1300EST			0	0	0	0	Flood
Transylvania Co. Rosman	21	1600EST			0	0	0	0	Flood
Surry Co. Mt. Airy	21	1930EST			0	0	0	0	Flood
<p>Heavy rains produced urban and low land flooding in Murphy. The French Broad River flooded some low land and roads near Rosman. Low land flooding also occurred along the Ararat in Surry County.</p>									
Pitt Co. Farmville	23	1535EST			0	0	0	0	Urban Flooding
Cumberland Co. Fayetteville	23	1545EST			0	0	0	0	Urban Flooding
Warren Co. E of Warrenton	23	1735EST			0	0	0	0	TSTM Winds
<p>Heavy thunderstorms produced torrential rains and some wind damage. In western Pitt County over three inches of rain fell, flooding some fields and secondary roads. U.S. Highway 264 was flooded in Farmville. Streets were flooded by heavy rains in Fayetteville. Some large trees were blown down in Warrenton.</p>									
Brunswick Co. Red Bud	24	1555EST			0	1	0	0	Lightning
<p>In Red Bud lightning struck a tree and traveled along the ground where a 32 year old man was standing. He was knocked unconscious and his heart stopped beating. He was revived by CPR and hospitalized.</p>									
Tyrrell Co. 3 N Columbia	26	1650EST	0.2	30	0	0	5	0	Tornado (F1)
<p>A small tornado touched down briefly about 3 miles north of Columbia along County Road 1209 just west of Sound Side. It destroyed two well-built large farm equipment buildings and one smaller shed. Two homes were damaged by falling trees.</p>									

NORTH CAROLINA									
Buncombe Co. Asheville	26	1745EST			0	0	0	0	Hail (0.75)
Buncombe Co. Weaverville	26	1754EST			0	0	0	0	Hail (0.75)
<p>Large hail fell in Buncombe County.</p>									
Nash Co. 3 E Rocky Mount	26	1605EST			0	0	0	0	Hail (1.50)
Wayne Co. Goldsboro Fremont	26	2100EST			0	0	0	0	TSTM Winds
<p>Golf ball size hail fell near Rocky Mount. Trees were blown down near Fremont and Goldsboro.</p>									
Avery Co. Grandfather Mountain	27	1500EST			1	0	0	0	Lightning
<p>A 40 year old man fell to his death after he was struck by lightning at an overlook on Grandfather Mountain. M400.</p>									
Polk Co. Saluda	28	1300EST			0	0	0	0	TSTM Winds
Rutherford Co. Rutherfordton	28	1322EST			0	0	0	0	TSTM Winds
Henderson Co. Mills River	28	1330EST			0	0	0	0	TSTM Winds
<p>Severe thunderstorm blew down trees in Polk, Rutherford, and Henderson counties.</p>									
Durham Co. Durham	28	1525EST			0	0	0	0	Hail (1.00) TSTM Winds
Orange Co. Chapel Hill	28	1530EST			0	1	0	0	Lightning
<p>Thunderstorms winds damaged the roof of a house in Durham. One inch hail was reported just north of Durham. A Chapel Hill construction worker was hospitalized after being struck by lightning.</p>									
Chatham Co. 5 W Farrington	28	1615EST	0.1	25	0	0	0	0	Tornado (F1)
<p>Witnesses saw a very small tornado touch down briefly in northern Chatham County along County Road 1528 five miles west of Farrington. The tornado broke off tree tops and blew down power lines.</p>									
32 NORTH DAKOTA									
Stark County, 7N Gladstone	02	1315CST							Funnel
Pierce County, 1W Welford	06	1800CST	Short	15	0	0	4	0	Tornado (F1)
<p>A tornado raised a small cattle shed 300 feet up, then dropped it.</p>									
Rolette County, Dunseith	06	1900CST			0	0	4	0	TSTM Wind (57)
<p>Winds blew over a motel sign and damaged mobile homes, barns and sheds in the area.</p>									
Cavalier County, Nekoma	06	1955CST							Funnel
Nelson County, 15E Doyon	06	1955CST	Short	10	0	0	0	0	Tornado (F0)
<p>A tornado touched down briefly.</p>									
Ramsey County, Edmore	06	2000CST	Short	10	0	0	0	0	Tornado (F0)
<p>A tornado touched down briefly.</p>									
Williams County, 15NW Williston	19	2215CST			0	0	4	0	TSTM Wind
<p>Winds tore a portion of a roof off of a house.</p>									
LaMoure County, Berlin	23	1740CST							Funnel
Stark County, Dickinson	25	1900CST			0	0	5	0	TSTM Wind
<p>Strong winds knocked down trees into power lines, causing brief power outages, and blew rocks into car windows.</p>									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

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					KILLED	INJURED	PROPERTY	CROPS	
<b>— NORTH DAKOTA</b>									
Sargent County: 1S Cogswell	27	1929CST			0	0	4	4	Hail (2.00)
10S Cogswell	27	1940CST			0	0	?	?	Hail (2.00)
Golden Valley County, 3S Beach	28	1510CST			0	0	5	5	Hail (2.50) TSTM Wind
					Strong winds, baseball size hail, and up to 3 inches of rain in 30 minutes damaged wheat crops and stripped trees.				
Billings County: Medora	28	1540CST			0	0	4	?	Hail (1.75)
28E Fairfield	28	1550CST	Short	10	0	0	0	?	Tornado (F0)
5N Fairfield	28	1600CST			0	0	4	?	TSTM Wind (61)
					Golfball size hail occurred at Medora while a brief tornado touchdown was sighted 2 miles southeast of Fairfield. The hail broke car windows. Strong winds over parts of northeast Billings County blew over a trailer, broke large trees, and knocked down power lines.				
Mercer County: Zap	28	1547CST			0	0	0	0	Hail (1.75)
12NW Beulah	28	1610CST			0	0	4	0	Hail (1.75)
					Golfball size hail occurred at Zap and 12 miles north-northwest of Beulah, where a vehicle was damaged.				
Dunn County: 4NW Manning	28	1555CST							Funnel
Halliday	28	1605CST			0	0	5	5	Hail (1.00)
2N Killdeer	28	1640CST			0	0	5	5	Hail (3.00)
5N Killdeer	28	1645CST			0	0	4	0	TSTM Wind
					Hail, strong winds and rainfall rates of 4 inches per hour combined to wash out fields, uproot trees, and flatten corn stalks over parts of northern Dunn County.				
Stark County, Dickinson	28	1603CST			0	0	0	0	TSTM Wind (50)
McLean County: 25W Riverdale	28	1725CST			0	0	4	0	TSTM Wind
Washburn	28	1815CST	Short	15	0	0	4	0	Tornado (F1) Hail (1.00)
					At 1725CST, winds blew down 15 trees near Garrison Dam. At 1815CST, a tornado destroyed a vacant mobile home and partially destroyed a lumberyard building.				
Morton County, 10S Mandan	28	1820CST			0	0	0	0	Hail (1.00)
Burleigh County: Bismarck	28	1824CST			0	0	0	0	Hail (1.50)
Wilton	28	1854CST			0	0	0	0	Hail (0.75)
					Hail to 1-1/2 inches was observed at the Bismarck airport, while 3/4 inch hail was observed at Wilton.				
Emmons County, Linton	28	1830CST			0	0	0	0	Hail (0.75)
Bottineau County, 1NW Newburg	28	1945CST			0	0	4	0	TSTM Wind
					Winds blew over a 3300 bushel grain bin and dryer, and uprooted a large tree.				
McHenry County, 8S Velva	28	2000CST			0	0	5	5	Hail (0.75)
					Hail caused extensive crop damage south of Velva.				
<b>33 OHIO</b>									
OHZ001 Williams County	01	0000 EST- 09 1100 EST			0	0	?	?	Flood
					The Tiffin River at Stryker continued above flood stage from late May and crested at 16.2 feet at 0500 EST on the 4th. This was 5.2 feet above flood stage. Flooding was confined to fields along the river.				
OHZ001 Williams County	01	0200 EST- 07 1900 EST			0	0	?	?	Flood
					The St. Joseph River at Montpelier flooded and crested at 16.4 feet at 0900 EST on the 2nd. This was 4.4 feet above flood stage. Flooding was confined to fields along the river.				
<b>— OHIO</b>									
Mahoning County	01	1400 EST			0	0	4	0	Thunderstorm Wind
					Trees were uprooted near Lake Milton and in Canfield.				
Summit County	01	1410 EST			0	0	4	0	Thunderstorm Wind
					Trees were blown down and structural damage occurred across the county.				
Delaware County	01	1420 EST			0	0	4	0	Thunderstorm Wind
					Trees were blown down in the city of Delaware.				
Crawford County	01	2000 EST			0	0	4	0	Thunderstorm Wind
					Trees were blown down and buildings were damaged in Bucyrus.				
OHZ001 Lucas County	03	1100 EST- 06 2100 EST			0	0	?	?	Flood
					The Maumee River at Waterville flooded and crested at 10.6 feet at 1300 EST on the 4th. This was 1.6 feet above flood stage. Minor flooding immediately along the river occurred.				
Paulding County	03	1150 EST	1.0	50	0	0	5	0	Tornado (F1)
					A tornado struck between Payne and Paulding on Route 500. Trees and power lines were downed, and many barns were damaged or destroyed.				
Henry County	03	1300 EST			0	0	4	0	Thunderstorm Wind
					Power lines were blown down and a barn was damaged 1.5 miles south of Holgate.				
Clark County	03	1530 EST			0	2	4	0	Thunderstorm Wind
					Trees were blown down at scattered locations in the county. Two injuries occurred in Springfield when limbs fell on a car and trapped the occupants.				
Seneca County	03	1530 EST			0	0	?	0	Hail (1.75")
					Golfball size hail fell 2 miles southeast of Attica.				
Licking County	03	1600 EST			0	0	4	0	Thunderstorm Wind
					Trees were blown down at scattered locations in the county.				
Madison County	03	1600 EST			0	0	4	0	Thunderstorm Wind
					Trees were blown down and structural damage occurred at scattered locations in the county.				
Hancock County	03	1603 EST			0	0	4	0	Thunderstorm Wind
					Power lines were blown down southwest of Findlay.				
Ashtabula County	03	1635 EST			0	0	5	0	Thunderstorm Wind
					Trees were blown down and a house was damaged in Saybrook. Trees were blow down and an awning was blown off a porch in Ashtabula.				
Tuscarawas County	03	1800 EST			0	0	4	0	Thunderstorm Wind
					Trees were blown down in Sugarcreek and Dover.				
Portage County	03	1815 EST			0	0	4	0	Thunderstorm Wind
					Trees were blown down near Brimfield.				
Miami County	03	1920 EST	1.0	50	0	0	5	0	Tornado (F1)
					A tornado touched down south of Pleasant Hill on Stichter Road. It destroyed a barn, blew out windows and downed trees.				
Miami County	03	1932 EST	1.0	100	0	0	6	0	Tornado (F1)
					A tornado touched down on the west side of Tip City. It did extensive roof damage to a liquor store, bowling alley and pizza parlor in a shopping mall. Four houses and trees were damaged just east of the mall.				
Franklin County	03	2100 EST			0	0	6	0	Thunderstorm Wind
					Trees and power lines were blown down, and a new home was destroyed in Grove City.				
OHZ002 Erie County	03	2300 EST- 04 1730 EST			0	0	?	?	Flood
					The Huron River at Milan flooded and crested at 17 feet at 0600 EST on the 4th. This was 3 feet above flood stage and only minor flooding along the river occurred.				
OHZ001 Defiance County	04	1300 EST- 06 0600 EST			0	0	?	?	Flood
					The Maumee River at Defiance flooded and crested at 11 feet at 0600 EST on the 5th. This was one foot above flood stage and only minor flooding along the river occurred.				



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JUNE 1989

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					KILLED	INJURED	PROPERTY	CROPS		
<b>OHIO</b>										
Fayette County	04	2020 EST			0	0	5	0		Thunderstorm Wind
					A house trailer was moved 30 feet, and a grain bin and barn were blown over on Route 62, one-half mile south of Madison Mills.					
Perry County	12	1500 EST			0	0	5	0		Thunderstorm Wind
					A mobile home was destroyed, a funeral home lost its roof, trees were blown down, and structural damage occurred to buildings in Corning.					
Morgan County	12	1605 EST			0	0	?	?		Hail (1.75)
					Hail, one inch in diameter, fell in McConnellsville, and golfball size hail fell at the intersection of State Route 37 and Portersville Road.					
Gallia County	12	1610 EST			0	0	?	?		Hail (2.5)
					Golfball to tennis ball size hail fell at scattered locations across the county.					
Gallia County	12	1610 EST	7.0	100	0	0	6	0		Tornado (F1)
					A tornado touched down several times between Porter and Addison. One trailer was destroyed in Porter and Addison. Silo tops were blown off, and numerous trees and power lines were blown down along the path.					
Washington County	12	1700 EST			0	0	6	0		Thunderstorm Wind
					A greenhouse and two smaller buildings were destroyed, and trees were blown down in Bloomfield and Ludlow townships. Two homes were severely damaged and a mobile home was overturned in Matamoras.					
OHZ004 Summit County	14	1100 EST- 1630 EST			0	0	?	?		Flood
					The Cuyahoga River at old Portage flooded and crested at 9.5 feet at 1300 EST. This was only a half a foot above flood stage. Minor flooding occurred along the river.					
Wood County	14	1412 EST			0	0	4	0		Thunderstorm Wind
					A pop-up camper was moved 400 feet near Bowling Green.					
Seneca County	14	1800 EST	0.5	50	0	0	5	0		Tornado (F0)
					A tornado briefly touched down 4 miles northeast of Bascom. It destroyed a barn, damaged a house and took the roofs off several small barns.					
OHZ004 Trumbull County	14	1830 EST- 16 0430 EST			0	0	?	?		Flood
					The Mahoning River at Leavittsburg crested at 12.4 feet at 1400 EST on the 15th. This was 2.4 feet above flood stage. Minor flooding along the river occurred.					
OHZ004 Trumbull County	15	1400 EST- 1930 EST			0	0	?	?		Flood
					The Mahoning River at Warren flooded and crested at 10.1 feet at 1700 EST. This was a tenth of a foot above flood stage. Minor flooding occurred along the river.					
OHZ004 Mahoning County	15	1600 EST- 16 0600 EST			0	0	?	?		Flood
					The Mahoning River at Youngstown flooded and crested around 12.0 feet at 0000 EST on the 16th. This was 2 feet above flood stage and only minor flooding occurred.					
Ottawa County	21	1620 EST			0	0	4	0		Thunderstorm Wind
					Power lines were blown down between Oak Harbor and the Davis Beese Nuclear Power Plant.					
OHZ004-006-007 Northeast Inland, Central & East Central	21	1800 EST- 21 2400 EST			0	0	6	?		Small Stream Flooding
					Rainfall of 1 to 3 1/2 inches fell over central and eastern Ohio during the afternoon of the 21st. Small streams rose out of their banks, sewer systems backed up, and basements and roads were flooded. The areas most seriously affected were Utica in Licking County, Marietta in Washington County, Salem in Columbiana County and Coshocton in Coshocton County.					
OHZ004 Trumbull County	21	1900 EST- 23 0200 EST			0	0	?	?		Flood
					The Mahoning River at Leavittsburg flooded and crested at 10.9 feet at 0200 EST on the 22nd, which was 9 tenths of a foot above flood stage. Minor flooding along the river occurred.					
<b>OHIO</b>										
OHZ004 Mahoning County	21	2100 EST-			0	0	?	?		Flood
	23	0400 EST			The Mahoning River at Youngstown flooded and crested around 10.5 feet at 1200 EST on the 22nd. This was about a half a foot above flood stage and only minor flooding occurred.					
Henry County	22	1308 EST			0	0	4	0		Thunderstorm Wind
					A trailer was damaged 2 miles northeast of Liberty Center.					
OHZ006 Licking County	22	2200 EST- 23 0700 EST			0	0	?	?		Flood
					The North Fork of the Licking River at Newark flooded and crested at 18.6 feet at 0100 EST on the 23rd. This was 1.6 feet above flood stage and only minor flooding occurred along the river.					
Fulton County	27	1225 EST			0	1	4	0		Lightning
Mercer County	27	1250 EST			0	0	4	0		Thunderstorm Wind
					Hail (0.75")					
Huron County	27	1300 EST			0	0	4	0		Thunderstorm Wind
Auglaize County	27	1320 EST			0	0	5	0		Thunderstorm Wind
Darke County	27	1326 EST			0	0	4	0		Thunderstorm Wind
Lorain County	27	1330 EST			0	0	4	0		Thunderstorm Wind
Shelby County	27	1400 EST			0	0	4	0		Thunderstorm Wind
Hardin County	27	1410 EST			0	0	4	0		Thunderstorm Wind
Logan County	27	1410 EST			0	0	4	0		Thunderstorm Wind
Union County	27	1440 EST			0	0	4	0		Thunderstorm Wind
Mahoning County	27	1445 EST			0	0	4	0		Thunderstorm Wind
Portage County	27	1500 EST			0	0	4	0		Thunderstorm Wind
Clark County	27	1505 EST			0	0	4	0		Thunderstorm Wind
Ashland County	27	1515 EST			0	0	4	0		Thunderstorm Wind
Stark County	27	1530 EST			0	0	4	0		Thunderstorm Wind
					Hail (1.00")					
Madison County	27	1535 EST			0	0	4	0		Thunderstorm Wind
Columbiana County	27	1545 EST			0	0	4	0		Thunderstorm Wind
Franklin County	27	1545 EST			0	0	5	0		Lightning
Trumbull County	27	1545 EST			0	0	4	0		Thunderstorm Wind
Franklin County	27	1600 EST			0	0	4	0		Thunderstorm Wind
Licking County	27	1600 EST			0	0	4	0		Thunderstorm Wind
Highland County	27	1630 EST			0	0	4	0		Thunderstorm Wind
Washington County	27	1800 EST			0	0	4	0		Thunderstorm Wind
Lawrence County	27	1910 EST			0	0	?	?		Hail (1.00")
					Thunderstorms erupted across Ohio during the afternoon and produced mainly wind damage through a large part of Ohio. Lightning injured a 22 year old woman and struck a house in Delta, Fulton County. The ensuing fire did \$30,000 damage. Trees and power lines were blown down just southeast of Celina, and large hail fell on State Route 127 near Montezuma, Mercer County. Trees were downed, a trailer was moved and farm buildings were damaged in the southern part of Huron County. Hundreds of trees were blown down, the Masonic Temple's roof was blown off, and homes and cars were damaged in a two square mile area to the west of Wapakoneta, Auglaize County. Trees and power lines were blown down in Union City and Versailles, Darke County; Wellington, Lorain County; 7 miles southeast of Sidney, Shelby County; Kenton, Hardin County; and across the northern part of Logan County. Trees and power lines were also downed north of Plain City, Union County; in Craig Beach, Mahoning County; and Charleston Township, Portage County. Trees were down near New Carlisle, Park Layne and South Charleston, in Clark County. Trees were blown down on County Road 1027 in Loudonville and along Route 58 near Nankin, Ashland County. Large hail fell in Perry Township and at Marlett Hall in Stark County. Large hail and 60 mph winds were reported near Louisville, also in Stark County. Trees and power lines were blown down near London, Madison County; in Millport, Columbiana County; in Lordstown, Trumbull County; and in Bexley, Gahanna and Westerville, Franklin County. Also in Franklin County, a house was struck by lightning in Westerville and the ensuing fire did \$125,000 damage. Trees were blown down in Pataskala and Summit Station, Licking County; 9 miles south of Hillsboro, Highland County; and across Washington County. Large hail fell across Lawrence County.					
<b>34 OKLAHOMA</b>										
Washington County, Bartlesville	01	0130 CST			0	0	2	?		TSTM Wind
					A thunderstorm in Northeast Oklahoma briefly attained severe levels and produced strong winds that ripped the roof off a local restaurant. Damage was estimated at "several thousand dollars."					

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE	CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS		
<b>OKLAHOMA</b>										
Osage County, Shidler	02	1355CST			0	0	?	?	Hail (0.75)	
Logan County, 7 NE Guthrie	02	1403CST			0	0	?	?	Hail (0.75)	
Logan County, 7 E Guthrie	02	1403CST			0	0	?	?	TSTM Wind (50)	
Key County, 1 S Newkirk	02	1410CST			0	0	?	?	Hail (0.88)	
Comanche County, Ft. Sill AAF	02	1415CST			0	0	?	?	TSTM Wind (52)	
Comanche County, Ft. Sill AAF	02	1415CST			0	0	?	?	Hail (0.75)	
Payne County, Perkins	02	1439CST			0	0	?	?	Hail (0.75)	
Grady County, 4 E Chickasha	02	1445CST			0	0	?	?	Hail (0.75)	
Lincoln County, 3 S Agra	02	1502CST			0	0	?	?	Hail (1.00)	
Jefferson County, 2 E Hastings	02	1540CST			0	0	?	?	TSTM Wind (52)	
Creek County, 3 E Mannford	02	1540CST			0	0	?	?	Hail (1.75)	
Creek County, 3 E Mannford	02	1540CST			0	0	?	?	TSTM Wind (61)	
Osage County, 5 N Sand Springs	02	1540CST			0	0	?	?	Hail (0.75)	
Tulsa County, 5 W Sand Springs	02	1545CST			0	0	?	?	Hail (1.75)	
Tulsa County, 5 W Sand Springs	02	1545CST			0	0	?	?	TSTM Wind (61)	
Creek County, Sapulpa	02	1600CST			0	0	?	?	Hail (0.75)	
Tulsa County, West Tulsa	02	1602CST	0.01	20	0	0	?	?	Tornado (F0)	
Tulsa County, West Tulsa	02	1602CST			0	0	?	?	Hail (1.75)	
Jefferson County, Waurika	02	1610CST			0	0	?	?	TSTM Wind	
Cleveland County, 3 SE Corbett	02	1610CST			0	0	?	?	Hail (0.88)	
McClain County, Rosedale	02	1615CST			0	0	?	?	TSTM Wind (52)	
Jefferson County, 5 NE Terral	02	1630CST			0	0	?	?	Hail (1.00)	
Pottawatomie County, 3 SSE Trousdale	02	1630CST			0	0	?	?	TSTM Wind (55)	
Tulsa County, Broken Arrow	02	1640CST			0	0	5	?	Lightning	
<p>Thunderstorms across the panhandle, northern, and central Oklahoma produced damaging winds, hail up to the size of golf balls, and 1 tornado. An F0 tornado touched down briefly at West 49th Street and Highway 51 in West Tulsa and produced no known damage. Thunderstorm winds uprooted several large trees in Waurika. In Broken Arrow a lightning-caused fire destroyed a home valued at 100,000 dollars.</p>										
Texas County, NE Guymon	03	0640CST			0	0	?	?	Hail (1.00)	
Beaver County, Turpin	03	0741CST			0	0	?	?	Hail (0.75)	
Canadian County, 12 WSW El Reno	03	1335CST			0	0	?	?	Hail (1.75)	
Oklahoma and Lincoln Counties	03	1400-1530CST			0	0	?	?	Flash Flood	
Canadian County, 5 NE El Reno	03	1415CST			0	0	?	?	Hail (0.75)	
Grady County, 4 S Tuttle	03	1440CST			0	0	?	?	TSTM Wind	
Grady County, 7 NW Chickasha	03	1450CST			0	0	?	?	TSTM Wind	
Caddo County, Ft. Cobb Park	03	1500CST			0	0	?	?	TSTM Wind (58)	
Caddo County, 8 ENE Carnegie	03	1505CST			0	0	?	?	TSTM Wind (56)	
McClain County, 2 S Newcastle	03	1510CST			0	0	?	?	TSTM Wind (70)	
Grady County, 2 SW Blanchard	03	1520CST			0	0	?	?	TSTM Wind (55)	
Stephens County, 2 SE Corum	03	1530CST			0	0	?	?	Hail (0.75)	
McClain County, Furrrell	03	1530CST			0	0	?	?	TSTM Wind (52)	
Cleveland County, Lexington	03	1530CST			0	0	?	?	Hail (0.75)	
Cleveland County, Noble	03	1530CST			0	0	?	?	Hail (0.88)	
Pottawatomie County, 5 NW Shawnee	03	1550CST			0	0	?	?	Hail (1.75)	
Grady County, Cox City	03	1605CST			0	0	?	?	Hail (0.75)	
Garvin County, 4 S Lindsay	03	1630CST			0	0	?	?	Hail (0.75)	
McClain County, 6 E Byars	03	1630CST			0	0	?	?	Hail (1.25)	
McClain County, 6 E Byars	03	1630CST			0	0	?	?	TSTM Wind (52)	
Creek County, Sapulpa	03	1631CST			0	0	5	0	Lightning	
<b>OKLAHOMA</b>										
Seminole County, Konawa	03	1702CST			0	0	?	?	Hail (0.75)	
Pontotoc County, Byng	03	1715CST			0	0	?	?	TSTM Wind (61)	
Pontotoc County, Byng	03	1715CST			0	0	?	?	Hail (0.75)	
Hughes County, 4 SE Lamar	03	1730CST			0	0	?	?	Hail (0.88)	
Jefferson County, Jefferson Co.	03	1810CST			0	0	?	?	Hail (0.75)	
Jefferson County, Jefferson Co.	03	1810CST			0	0	?	?	TSTM Wind	
Carter County, Wilson	03	1823CST			0	0	?	?	Hail (2.50)	
Love County, 8 N Courtney	03	1825CST			0	0	?	?	TSTM Wind (52)	
Jackson County, Duke	03	1828CST			0	0	?	?	Hail (2.50)	
Jackson County, 5 N Altus	03	1857CST			0	0	?	?	Hail (2.50)	
Carter County, 5 SW Ardmore	03	1902CST			0	0	?	?	Hail (1.75)	
Love County, 5 E Overbrook	03	1910CST			0	0	?	?	Hail (1.00)	
Kiowa County, 2 S Centerville	03	1930CST			0	0	?	?	Hail (1.00)	
Marshall County, Little City	03	2000CST			0	0	?	?	Hail (1.75)	
Bryan County, Silo	03	2021CST			0	0	?	?	Hail (1.75)	
Bryan County, Durant	03	2033CST			0	0	?	?	Hail (2.00)	
Comanche County, Geronimo	03	2039CST			0	0	?	?	Hail (0.88)	
Comanche County, 2 W Geronimo	03	2050CST			0	0	?	?	TSTM Wind	
Stephens County, 8 W Duncan	03	2100CST			0	0	?	?	Hail (1.75)	
Bryan County, Wade	03	2120CST			0	0	?	?	Hail (0.75)	
Stephens County, Duncan	03	2126CST			0	0	?	?	Hail (1.00)	
Stephens County, Stephens Co.	03	2135CST			0	0	?	?	TSTM Wind	
Bryan County, Albany	03	2135CST			0	0	?	?	Hail (1.00)	
Bryan County, Albany	03	2135CST			0	0	?	?	TSTM Wind (56)	
Jackson County, 4 W Eldorado	03	2137CST			0	0	?	?	Hail (0.88)	
Jackson County, Eldorado	03	2140CST			0	0	?	?	TSTM Wind (61)	
Choctaw County, Boswell	03	2200CST			0	0	?	?	Hail (0.75)	
Stephens County, Alma	03	2200CST			0	0	?	?	TSTM Wind (52)	
Jackson County, Eldorado	03	2200CST			0	0	?	?	Hail (0.88)	
Jefferson County, Ryan	03	2210CST			0	0	?	?	Hail (1.00)	
Stephens County, 6 NE Comanche	03	2215CST			0	0	?	?	TSTM Wind	
Tillman County, near Tipton	03	2245CST			0	0	?	?	Hail (0.75)	
Tillman County, near Tipton	03	2245CST			0	0	?	?	TSTM Wind (52)	
Jefferson County, Ryan	03	2310CST			0	0	?	?	Hail (0.88)	
Cotton County, 6 S Randlett	03	2315CST			0	0	?	?	Hail (2.75)	
Jefferson County, Terral	03	2315CST			0	0	?	?	TSTM Wind	
Tillman County, Grandfield	03	2330CST			0	0	?	?	TSTM Wind (52)	
Jefferson County, 3 S Ringling	03	2335CST			0	0	?	?	Hail (1.00)	
Carter County, Dickson	03	2345CST			0	0	?	?	TSTM Wind (52)	
Jefferson County, Ringling	03	2350CST			0	0	?	?	Hail (0.75)	
Carter County, near Wilson	04	0000CST			0	0	?	?	TSTM Wind (70)	
Love County, 2 E Rubottom	04	0015CST			0	0	?	?	Hail (1.75)	
McCurain County, near Valliant	04	0200CST			0	0	?	?	TSTM Wind	
Oklahoma County, Oklahoma City	04	0200CST			0	0	5	0	Lightning	
McCurain County	04	0310CST			0	0	?	?	Flash Flood	
<p>Thunderstorms developed in northwest Oklahoma and moved east while developing southward into central sections. The storms produced hail up to the size of softballs and damaging winds. Hardest hit were the communities of Poonasset and Tuttle where several mobile homes were overturned and the roofs of two homes were ripped off. A barn was destroyed 4 miles south of Tuttle, and another barn was demolished 7 miles northwest of Chickasha. A boat being pulled by a car overturned due to</p>										

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED <sup>1</sup> DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>OKLAHOMA</b>									
									<p>strong thunderstorm winds near Purcell. In the Blanchard area, several buildings sustained wind damage, including the roof of a church and a processing plant. In Comanche a 5 foot diameter tree was blown over and onto a home. A man inside the home suffered minor injuries. In Wilson, baseball size hail resulted in substantial damage to wheat fields. Two miles south of Wilson and just east of Highway 76, the hail peeled the bark off of trees. In Geronimo, a mobile home valued at 18,000 dollars was destroyed and 2 trees were downed. Flash flooding in Canadian and Oklahoma counties closed some roads. Homes in El Reno were threatened by rising waters, and at least one home suffered damage from the high water. In McCurtain County, 2 to 4 inches of rain resulted in lowland flooding. Some roads, many of which were secondary, were affected by high water. In Creek County, lightning struck a home in Sapulpa. The resulting fire caused major structural damage estimated at 130,000 dollars.</p>
Woods County, 4 SE Avard	04	1745CST			0	0	?	?	Hail (0.88)
Alfalfa County, Cherokee	04	1753CST			0	0	?	?	Hail (1.00)
Alfalfa County, Aline	04	1828CST			0	0	?	?	Hail (0.88)
Garfield County, Enid	04	1845CST			0	0	?	?	Hail (1.75)
Garfield County, Enid	04	1845CST			0	0	?	?	TSTM Wind (52)
Major County, 2 N Lahoma	04	1908CST			0	0	?	?	Hail (0.75)
Garfield County, 3 N Drummond	04	1915CST			0	0	?	?	Hail (1.75)
Garfield County, 5 N (END) Vance AFB	04	1920CST			0	0	?	?	Hail (3.00)
Major County, 2 SW Ames	04	1930CST			0	0	?	?	TSTM Wind (52)
Major County, 4 W Ames	04	1930CST			0	0	?	?	Hail (0.75)
Kingfisher County, Hennessey	04	1941CST			0	0	?	?	TSTM Wind (61)
Kingfisher County, 9 E Hennessey	04	2000CST			0	0	?	?	Hail (1.75)
Logan County, Marshall	04	2009CST			0	0	?	?	Hail (2.75)
Logan County, 6 E Lovell	04	2034CST			0	0	?	?	Hail (1.75)
Logan County, 6 W Guthrie	04	2034CST			0	0	?	?	TSTM Wind (52)
Logan County, Coyle	04	2045CST			0	0	?	?	TSTM Wind (61)
Logan County, near Coyle	04	2045CST			0	0	?	?	Hail (1.75)
Payne County, 10 W Perkins	04	2100CST			0	0	?	?	Hail (1.00)
Custer County, 4 WSW Weatherford	04	2115CST			0	0	?	?	Hail (1.00)
Custer County, 4 WSW Weatherford	04	2115CST			0	0	?	?	TSTM Wind (52)
Washita County, 7 N Colony	04	2120CST			0	0	?	?	Hail (0.88)
Washita County, 7 NE Colony	04	2125CST			0	0	?	?	Hail (0.88)
Caddo County, Hydro	04	2130CST			0	0	?	?	TSTM Wind
Lincoln County, Garney	04	2134CST			0	0	?	?	Hail (1.00)
Thunderstorms developed in northwest Oklahoma and moved southeastward, producing hail up to the size of softballs, and very strong winds.									
Harper County, 1 SE Buffalo	06	1120CST			0	0	?	?	Hail (1.00)
Woodward County, 2 SE Woodward	06	1145CST			0	0	?	?	Hail (0.75)
Woodward County, 12 S Woodward	06	1145CST			0	0	?	?	Hail (0.75)
Woodward County, 3 E Moreland	06	1212CST			0	0	?	?	Hail (1.00)
Dewey County, Taloga	06	1215CST			0	0	?	?	Hail (1.00)
Blaine County, 7 NSW Watonga	06	1320CST			0	0	?	?	Hail (0.75)
Grady County, 4 NSW Chickasha	06	1350CST			0	0	?	?	Hail (0.75)
Caddo County, 4 N Hinton	06	1439CST			0	0	?	?	TSTM Wind (70)
Caddo County, 4 N Hinton	06	1439CST			0	0	?	?	Hail (2.00)
Caddo County, Bridgeport	06	1440CST			0	0	?	?	Hail (1.00)
Caddo County, near Hinton	06	1500CST			0	0	?	?	Hail (0.75)
Oklahoma County, 11 N (OKC) Will Rogers	06	1507CST			0	0	?	?	Hail (0.88)
Oklahoma County, Oklahoma City	06	1512CST			0	0	?	?	Hail (0.75)
Hail fell at 50th and Independence Road.									
<b>OKLAHOMA</b>									
Canadian County, Ern, Canadian Co.	06	1515CST			0	0	?	?	Hail (0.75)
Grady County, Minco	06	1535CST			0	0	?	?	Hail (1.00)
Canadian County, 1 N Union City	06	1535CST			0	0	?	?	Hail (1.00)
Grady County, 7 S Minco	06	1537CST			0	0	?	?	Hail (1.00)
Grady County, Pocasset	06	1548CST			0	0	?	?	Hail (0.75)
Grady County, Amber	06	1553CST			0	0	?	?	Hail (1.00)
McClain County, Newcastle	06	1606CST			0	0	?	?	Hail (0.88)
Cleveland County, Norman	06	1608CST			0	0	?	?	Hail (0.75)
Grady County, 4 E Tabler	06	1620CST			0	0	?	?	Hail (0.75)
Texas County, Tyrone	06	1620CST			0	0	3	?	TSTM Wind
Texas County, Baker	06	1620CST			0	0	3	?	TSTM Wind
Texas County, 2 N Hooker	06	1625CST			0	0	3	?	TSTM Wind
Texas County, 6 NW Turpin	06	1629CST			0	0	?	?	Hail (1.75)
Texas County, 6 W Turpin	06	1630CST			0	0	2	?	TSTM Wind
Beaver County, NW Beaver Co.	06	1630CST			0	0	?	?	Hail (1.75)
Garvin County, Lindsay	06	1647CST			0	0	?	?	Hail (1.00)
Beaver County, 5 S Liberal, KS	06	1647CST			0	0	?	?	Hail (1.75)
Garvin County, 3 W Ft. Arbuckle	06	1734CST			0	0	?	?	TSTM Wind (52)
Garvin County, 1 W Ft. Arbuckle	06	1738CST			0	0	?	?	Hail (1.25)
Garvin County, 3 E Davis	06	1756CST			0	0	?	?	Hail (0.75)
Murray County, 3 E Davis	06	1756CST			0	0	?	?	Hail (0.75)
Murray County, Davis	06	1800CST			0	0	?	?	Hail (1.00)
Carter County, 2 N Springer	06	1800CST			0	0	?	?	Hail (0.88)
Carter County, Dickson	06	1840CST			0	0	?	?	Hail (0.75)
Carter County, Dickson	06	1840CST			0	0	?	?	TSTM Wind (61)
Johnston County, Mannsville	06	1845CST			0	0	?	?	Hail (0.75)
Roger Mills County, 2 NE Reydon	06	1925CST			0	0	?	?	Hail (2.50)
Roger Mills County, 2 E Durham	06	1925CST			0	0	?	?	Hail (2.50)
Ellis County, 15 S Arnett	06	1925CST			0	0	?	?	Hail (1.75)
Roger Mills County, Antelope Hills	06	1940CST			0	0	?	?	Hail (1.50)
Roger Mills County, 2 E Durham	06	1959CST	15	20	0	0	?	?	Tornado (F0)
Roger Mills County, Cheyenne	06	2014CST			0	0	?	?	Hail (2.75)
Ellis County, 10 S Arnett	06	2035CST			0	0	?	?	Hail (1.75)
Roger Mills County, 2 E Durham	06	2035CST			0	0	?	?	Hail (2.50)
Beckham County, Elk City	06	2050CST			0	0	?	?	Hail (1.00)
Custer County, Clinton	06	2053CST			0	0	?	?	Hail (1.75)
Beckham County, 3 NE Elk City	06	2056CST	3	30	0	0	?	?	Tornado (F0)
Washita County, Canute	06	2112CST			0	0	?	?	Hail (1.00)
Roger Mills County, 4 N Crawford	06	2115CST			0	0	?	?	Hail (1.75)
Washita County, 3 S Canute	06	2115CST			0	0	?	?	Hail (1.75)
Ellis County, 10 SW Arnett	06	2130CST			0	0	?	?	Hail (1.75)
Washita County, 1 W Cordell	06	2132CST			0	0	?	?	Hail (0.75)
Washita County, Rocky	06	2133CST			0	0	?	?	Hail (1.00)
Kiowa County, Mountain View	06	2138CST			0	0	?	?	Hail (1.00)
Kiowa County, 5 N Gotebo	06	2148CST			0	0	?	?	Hail (1.75)
Kiowa County, 2 NW Gotebo	06	2142CST			0	0	?	?	Hail (1.75)
Roger Mills County, 3 W Leedey	06	2200CST			0	0	?	?	Hail (1.75)
Dewey County, Leedey	06	2205CST			0	0	?	?	Hail (1.00)
Kiowa County, Mountain View	06	2212CST			0	0	?	?	Hail (1.75)
Caddo County, 3 S Carnegie	06	2215CST			0	0	?	?	Hail (1.75)

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>OKLAHOMA</b>									
Caddo County, near Hydro	06	2230CST			0	0	?	?	Hail (1.00)
Custer County, 8 S Leedey	06	2230CST			0	0	?	?	Hail (0.88)
Oklahoma County, Oklahoma City	06-07	2300CST-0100CST			0	0	5	?	Flash Flood
Stephens County, Duncan	06	2323CST			0	0	?	?	Hail (0.75)
Texas County, Goodwell	07	0042CST			0	0	?	?	TSTM Wind (52)
Harmon County, 10 NW Gould	07	0053CST			0	0	?	?	Hail (0.75)
Jackson County, 3 W Altus	07	0115CST			0	0	?	?	Hail (1.75)
Jackson County, 7 W Altus	07	0135CST			0	0	?	?	Hail (1.75)
Cotton County, Randlett	07	0140CST			0	0	?	?	Hail (1.00)
Tillman County, Grandfield	07	0145CST			0	0	?	?	Hail (1.50)
Tillman County, Frederick	07	0153CST			0	0	?	?	Hail (1.75)
Cotton County, Temple	07	0200CST			0	0	?	?	Hail (0.88)
Jefferson County, 1 N Ryan	07	0225CST			0	0	?	?	Hail (0.88)
Tillman County, Davidson	07	0230CST			0	0	?	?	Hail (1.00)
Jefferson County, Terral	07	0245CST			0	0	?	?	Hail (0.88)
Jefferson County, Terral	07	0245CST			0	0	?	?	TSTM Wind (52)
Ellis County, (GAG) Shatruck	07	0306CST			0	0	?	?	TSTM Wind (50)
<p>Severe thunderstorms developed during the late morning (CST) in northwest Oklahoma and moved southeast while other storms developed in the panhandle during the afternoon. The storms produced hail up to the size of baseballs, damaging winds, and two tornadoes. An F0 tornado touched down 2 miles east of Durham in Roger Mills County. No damage was reported from along the tornado's 15 mile track through open country. The tornado was last spotted 6 miles northwest of Cheyenne approximately at 2020CST. Another F0 tornado touched down 3 miles northeast of downtown Elk City. The tornado was on the ground approximately 5 minutes and did no known damage. In Texas County of the Oklahoma panhandle, strong thunderstorm winds destroyed an ostrich barn and rolled a horse trailer near Turpin. A barn was destroyed near Baker. A barn was destroyed and several trees were downed just north of Hooker, and several trailer homes were damaged in Tyrone. In central Oklahoma heavy thunderstorm rains caused flash flooding in the Oklahoma City area. Rapid runoff into Lightning Creek in southwest Oklahoma City caused water damage to 35 of 130 apartments. Some residents were evacuated as water rose two feet deep in some apartments.</p>									
Comanche County	07	0930CST-1330CST			0	0	?	?	Flash Flood
Jackson County, 3 SE Warren	07	1105CST			0	0	?	?	Hail (0.75)
Comanche County, (LAW) Lawton Municipal	07	1148CST			0	0	?	?	TSTM Wind (50)
Comanche County, Geronimo	07	1200CST			0	0	?	?	Hail (0.75)
Stephens County, Duncan	07	1200CST			0	0	?	?	Hail (0.88)
Carter County, 3 S Healdton	07	1220CST			0	0	?	?	Hail (1.00)
Stephens County, 5 S Alma	07	1240CST			0	0	?	?	Hail (0.75)
Carter County, 7 NW Ardmore	07	1305CST			0	0	?	?	Hail (0.75)
Jefferson County, Ringling	07	1315CST			0	0	?	?	TSTM Wind (52)
Marshall County, Little City	07	1340CST			0	0	?	?	Hail (0.88)
Jefferson County, 5 E Grady	07	1345CST			0	0	?	?	Hail (0.75)
Carter County, Springer	07	1345CST			0	0	?	?	Hail (0.75)
Bryan County, 1 N Mead	07	1400CST			0	0	?	?	Hail (0.88)
Marshall County, 4 S Little City	07	1400CST			0	0	?	?	Hail (1.00)
Love County, Leon	07	1400CST			0	0	?	?	Hail (0.88)
Love County, Leon	07	1400CST			0	0	?	?	TSTM Wind
Johnston County, Tishomingo	07	1430CST			0	0	?	?	TSTM Wind
Bryan County, near Yuba	07	1515CST			0	0	?	?	TSTM Wind
Bryan County, 5 W Durant	07	1515CST			0	0	?	?	Hail (1.00)
<b>OKLAHOMA</b>									
<p>Thunderstorms first became severe in southwest Oklahoma and developed eastward into central sections, producing damaging winds and quarter size hail. Thunderstorm winds lifted a small car near Yuba, downed trees and tore off shingles near Leon, and blew a large tree over and onto a house in Tishomingo. Heavy thunderstorm rains caused flash flooding in southwest Oklahoma. In Lawton, several homes were damaged by flood waters 1 to 2 feet deep. Several bridges were washed out in and around Lawton.</p>									
Cimarron County, Keyes	08	1922CST			0	0	?	?	Hail (0.75)
Oklahoma County, Del City	10	1004CST			0	0	?	?	Hail (0.88)
Oklahoma County, Midwest City	10	1010CST			0	0	?	?	Hail (0.75)
Logan County, 3 S Meridian	10	1305CST			0	0	?	?	Hail (0.75)
Lincoln County, 5 NW Tryon	10	1348CST			0	0	?	?	Hail (0.88)
Payne County, 3 E Perkins	10	1357CST			0	0	?	?	Hail (0.75)
Caddo County, Lookaba	10	1458CST			0	0	?	?	Hail (0.88)
Canadian County, near Scott	10	1520CST			0	0	?	?	Hail (1.00)
Caddo County, 3 NE Lookaba	10	1525CST			0	0	?	?	Hail (1.00)
Grant County, 5 NE Jefferson	10	1905CST			0	0	?	?	Hail (0.75)
Grant County, 5 NE Jefferson	10	2128CST			0	0	?	?	Hail (0.75)
Grant County, 5 NE Jefferson	10	2215CST			0	0	?	?	Hail (0.75)
Hail fell intermittently between 1905CST and 2230CST.									
Osage County, Osage Co.	10	1900CST			0	0	?	?	TSTM Wind (52)
Washington County, Wm. Washington	10	1915CST			0	0	?	?	Hail (1.75)
Washington County, 5 NW Copan	10	1929CST	2	60	0	0	?	?	Tornado (F1)
Garfield County, Carrier	10	1945CST			0	0	?	?	Hail (0.88)
Woods County, 3 N Alva	10	1949CST			0	0	?	?	Hail (1.75)
Grant County, 5 NE Jefferson	10	2015CST			0	0	?	?	Hail (1.25)
Garfield County, Carrier	10	2015CST			0	0	?	?	Hail (1.00)
Jackson County, Duke	10	2020CST			0	0	?	?	Hail (0.75)
Beaver County, Turpin	10	2025CST			0	0	?	?	Hail (1.00)
Woods County, Waynoka	10	2035CST			0	0	?	?	Hail (1.00)
Woods County, Waynoka	10	2035CST			0	0	?	?	TSTM Wind
Nowata County, Nowata Co.	10	2145CST			0	0	?	?	TSTM Wind (52)
Beaver County, Turpin	10	2155CST			0	0	?	?	Hail (1.00)
Craig County, near Bluejacket	10	2200CST			0	0	?	?	TSTM Wind (56)
Texas County, 1 E Hooker	10	2203CST			0	0	?	?	Hail (0.75)
Caddo County, Cyril	10	2230CST			0	0	?	?	TSTM Wind
Grant County	11	0000CST-0700CST			0	0	?	?	Flash Flood
Kay County, Ponca City	11	0100CST			0	0	4	0	Lightning
<p>Thunderstorms first became severe in the Oklahoma City metro area during the late morning (CST) hours, producing nickel size hail. During the afternoon hours, severe thunderstorms were widespread in western and northern sections, producing hail up to baseball size, damaging winds, and one tornado. An F1 tornado touched down 5 miles NNW of Copan and moved southeast for 2 miles. Considerable tree damage occurred within a path width of 60 yards. Thunderstorm winds destroyed a barn and trailer in Waynoka, and damaged a high school gym in Cyril. Flash flooding resulted from very heavy thunderstorm rains in Grant County as nearly 8 inches fell in a 4 hour period. Highway 81 between Jefferson and Medford was closed due to high water.</p>									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	

## OKLAHOMA

Woods County, 2 N Alva	11	1949CST			0	0	?	?	Hail (1.75)
Harper County, 5 N Buffalo	11	2100CST			0	0	?	?	Hail (0.88)
Washington County	11-12	2115CST-0600CST			0	0	?	?	Flash Flood
Woods County, Alva	11	2215CST			0	0	?	?	TSTM Wind (63)
Beckham County, 1 E Elk City	11	2300CST			0	0	?	?	Hail (0.75)
Beckham County, 1 E Elk City	11	2300CST			0	0	?	?	TSTM Wind
Large tree limbs blown down.									
Okmulgee County, 15 NE Okmulgee	11	2345CST			0	0	?	?	Hail (0.88)
Washita County, 1 W Sentinel	11	2355CST			0	0	?	?	TSTM Wind (54)
Washita County, Sentinel	12	0010CST			0	0	?	?	Hail (0.75)
Washita County, Sentinel	12	0010CST			0	0	?	?	TSTM Wind
Jackson County, 2 S Blair	12	0025CST			0	0	?	?	TSTM Wind
Jackson County, near Warren	12	0030CST			0	0	?	?	TSTM Wind
Tulsa County, Glenpool	12	0030CST			0	0	?	?	Hail (1.25)
Kiowa County, 6 E Snyder	12	0045CST			0	0	?	?	Hail (1.00)
Tulsa County, Tulsa Intl. Apt.	12	0055CST			0	0	?	?	Hail (1.00)
Rogers County, Catoosa	12	0102CST			0	0	?	?	Hail (1.00)
Oklahoma County, (PWA) Wiley Post	12	0121CST			0	0	?	?	TSTM Wind (52)
Grady County, Mingo	12	0130CST			0	0	?	?	TSTM Wind (52)
Rogers County, Tiawah	12	0150CST			0	0	?	?	Hail (0.75)
Oklahoma County, Oklahoma City	12	0155CST			0	0	?	?	Hail (0.75)
Cleveland County, Oklahoma City	12	0155CST			0	0	?	?	Hail (0.75)
Nowata County	12	0200CST-0400CST			0	0	?	?	Flash Flood
Pottawatomie County, 8 W Shawnee	12	0240CST			0	0	?	?	TSTM Wind
Washington County, 4 W Vera	12	0250CST			0	0	?	?	Hail (0.75)
Rogers County, Rogers Co.	12	0300CST			0	0	?	?	Hail (0.75)
Rogers County, Rogers Co.	12	0300CST			0	0	?	?	TSTM Wind (52)
Mayes County, 6 E Pryor	12	0315CST			0	0	?	?	Hail (1.00)
Tulsa County, Tulsa Intl. Apt.	12	0335CST			0	0	?	?	TSTM Wind (54)
Washington County, Vera	12	0345CST			0	0	?	?	TSTM Wind (52)
Rogers County, Catoosa	12	0345CST			0	0	?	?	TSTM Wind (52)
Delaware County, near Bernice	12	0345CST			0	0	?	?	TSTM Wind (61)
Mayes County, Salina	12	0425CST			0	0	?	?	TSTM Wind (57)
Craig County, Big Cabin	12	0430CST			0	0	?	?	TSTM Wind (52)
Cherokee County, Peggs	12	0440CST			0	0	?	?	TSTM Wind (52)
Wagoner County, Oneta	12	0450CST			0	0	?	?	TSTM Wind (52)
Delaware County, 2 W Jay	12	0450CST	3	80	0	0	?	?	Tornado (F1)
Delaware County, Jay	12	0500CST			0	0	?	?	TSTM Wind (61)

Severe thunderstorms in extreme northwest Oklahoma developed southward into west-central sections producing nickel size hail and wind gusts to 63 knots. In central and eastern Oklahoma thunderstorms produced half-dollar size hail, damaging winds, and one tornado. An F1 tornado touched down 2 miles west of Jay in Delaware County. The tornado moved ENE for 3 miles. Numerous large trees and power poles were downed. Damage to 4 homes and three barns amounted to 3,000 dollars. Thunderstorm winds damaged a barn, destroyed an outbuilding, and uprooted several trees 8 miles west of Shawnee. In Washington County, heavy rains from the thunderstorms resulted in flash flooding near Copan and Lenapah. Roads were closed near Copan and 10 miles east of Lenapah. In Nowata County, heavy thunderstorm rains caused the evacuation of 18 people in South Coffeyville. Thunderstorm winds damaged a church in Jay and damaged the roof of a home 2 miles south of Blair in Jackson County.

## OKLAHOMA

Kiowa County, 6 E Snyder	12	0945CST			0	0	?	?	Hail (1.00)
Cotton County, 3 ESE Taylor	12	1105CST			0	0	?	?	Hail (0.75)
Comanche County, 2 SE Paxon	12	1110CST			0	0	?	?	Hail (0.75)
Beckham County, 8 S Elk City	12	1357CST	0.01	20	0	0	?	?	Tornado (F0)
Washita County, Sentinel	12	1515CST			0	0	?	?	Hail (0.88)
Beckham County, 2 S Delhi	12	1630CST			0	0	?	?	Hail (1.00)
Woods County, 3 NE Alva	12	1710CST			0	0	?	?	Hail (0.88)
Alfalfa County, Cherokee	12	1717CST			0	0	?	?	Hail (1.75)
Grant County, Wakita	12	1820CST			0	0	?	?	Hail (1.00)
Woods County, 5 E Waynoka	12	1830CST			0	0	?	?	Hail (0.88)
Kay County, Brame	12	1835CST			0	0	?	?	Hail (0.88)
Alfalfa County, 2 E Lambert	12	1840CST			0	0	?	?	Hail (1.00)
Woodward County, Woodward	12	1840CST			0	0	?	?	Hail (0.75)
Kay County, 2 N Brame	12	1900CST			0	0	?	?	Hail (1.75)
Kay County, 4 N Brame	12	1900CST			0	0	?	?	TSTM Wind
Ellis County, Fargo	12	1920CST			0	0	?	?	Hail (1.75)
Woodward County, 2 SW Tangier	12	1925CST			0	0	?	?	Hail (2.50)
Harmon County, 7 NW Vinson	12	2302CST			0	0	?	?	TSTM Wind (52)
Greer County, 2 N Mangum	12	2317CST			0	0	?	?	Hail (0.88)
Kiowa County, 5 E Snyder	13	0010CST			0	0	?	?	TSTM Wind
Tillman County, Manitou	13	0020CST			0	0	?	?	Hail (1.00)
Tillman County, Manitou	13	0020CST			0	0	?	?	TSTM Wind (52)
Beckham County, Elk City	13	0030CST			0	0	?	?	TSTM Wind
Caddo County, Apache	13	0115CST			0	0	?	?	TSTM Wind
Grady County, Middleberg	13	0133CST			0	0	?	?	Hail (1.00)
McClain County, near Blanchard	13	0134CST			0	0	?	?	Hail (1.00)
Southern Caddo and Northern Comanche Counties	13	0200CST-0500CST			0	0	5	?	Flash Flood
McClain County, Blanchard	13	0200CST			0	0	?	?	Hail (1.75)
Grady County, Minnehah	13	0205CST			0	0	?	?	Hail (0.75)
Cleveland County, near Norman	13	0222CST			0	0	?	?	Hail (1.75)
Oklahoma County, Midwest City	13	0300CST			0	0	?	?	TSTM Wind
McClain County, 2 E Goldsby	13	0300CST			0	0	?	?	TSTM Wind
Cleveland County, Moore	13	0300CST			0	0	?	?	TSTM Wind
Cleveland and Oklahoma Counties	13	0315CST-0615CST			0	0	?	?	Flash Flood
Carter County, 5 W Ardmore	13	0322CST			0	0	?	?	Hail (1.00)
Pottawatomie County, Shawnee	13	0330CST			0	0	?	?	Hail (0.75)
Pottawatomie County, Shawnee	13	0330CST			0	0	?	?	TSTM Wind (52)
Carter County, Dickson	13	0330CST			0	0	?	?	Hail (0.75)
Lincoln County, 6 N Meeker	13	0345CST			0	0	?	?	Hail (0.75)
Pottawatomie County, 5 S Meeker	13	0345CST			0	0	?	?	Hail (0.88)
Choctaw County, near Messer	13	0600CST			0	0	?	?	TSTM Wind
Tulsa County, 1115CST-1215CST	13	1115CST-1215CST			0	0	?	?	Flash Flood

A thunderstorm in southwest Oklahoma briefly became severe and produced dime size hail in Cotton County. Severe thunderstorms developed in western Oklahoma during the afternoon of the 12th and moved into southern and eastern Oklahoma by the morning of the 13th. The storms produced hail up to the size of baseballs and damaging winds. Thunderstorm winds destroyed a barn 4 miles north of Brame and tore the roof off a shed 5 miles east of Snyder. Several trees were downed by thunderstorm winds near Apache. A mobile home was destroyed in Midwest City (no injuries), and 2 to 3 foot diameter trees were uprooted 2 miles east of Goldsby and near Messer. Heavy rains caused flash flooding in Tulsa County. Highway 62 was flooded as a small creek overflowed its banks.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED <sup>1</sup> DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>OKLAHOMA</b>									
									<p>near Bixby. In Caddo County, flash flooding on Box Elder Creek forced the evacuation of 90 people from homes in Apache, and some stores experienced flooding in Cyril. In Oklahoma City, 12 bridges were washed out or heavily damaged. Estimates of damage were approximately 200,000 dollars. Many people were stranded on top of cars in flooded intersections in downtown Oklahoma City. In Canadian County roads were closed due to high water and part of the airport in El Reno was closed due to standing water on runway. An F0 tornado touched down briefly 8 miles south of Elk City, but caused no known damage.</p>
Nowata County, Wacova	22	1215GST			0	0	?	?	Hail (0.75)
Creek County, 11 S Bristow	22	1515CST			0	0	?	?	Hail (0.75)
Okfuskee County, 2 E Helty	22	1520CST			0	?	?	?	Hail (0.75)
Lincoln County, 6 N Sparks	22	1635CST			0	0	?	?	Hail (0.75)
Lincoln County, 3 E Chandler	22	1651CST			0	0	?	?	Hail (0.75)
Pawnee County, 6 SW Cleveland	22	1710CST			0	0	?	?	Hail (0.75)
Osage County, 10 W Hominy	22	1720CST			0	0	?	?	Hail (0.75)
Oklahoma County, Eastern Portion	22	1830CST-0430CST			1	0	6	?	Flash Flood
									<p>Severe thunderstorms in central and eastern Oklahoma produced quarter size hail. The storms also produced flash flooding in Oklahoma County as over 7 inches of rain fell on already saturated ground. Many streets were closed by high water between Spencer, Midwest City, Choctaw, and Jones. A 28 year old Harrah man drowned when his automobile was swept off a road in Choctaw. Five people were evacuated from residences in Midwest City due to rising waters, and 15 residents of a family shelter were also evacuated. In Wicoma Park, 3 homes were flooded by 2 to 3 feet of water. The roof of a day care center in southwest Oklahoma City collapsed under the weight of the water. Fortunately, the 90 students at the school had left 2 hours earlier. In Moore, thunderstorm winds blew a light pole into a baseball backstop. Damage was estimated at 10,000 dollars. In Elk City, the roof of a home was partially ripped off. M28V</p>
Mayes County, 6 NE Salina	25	1535CST			0	0	?	?	Hail (0.88)
									<p>An isolated thunderstorm briefly reached severe levels and produced nickel size hail.</p>
Beaver County, Beaver	26	2215CST			0	0	?	?	TSTM Wind (70)
Ellis County, (GAG) Shattuck	26	2326CST			0	0	?	?	TSTM Wind (52)
Woods County, Freedom	26	2345CST			0	0	?	?	TSTM Wind (56)
Woodward County, Woodward Co.	26	2355CST			0	0	?	?	TSTM Wind
Woods County, Waynoka	27	0020CST			0	0	?	?	Hail (0.88)
Major County, 17 NNE Chester	27	0040CST			0	0	?	?	TSTM Wind (56)
Alfalfa County, 8 NW Cherokee	27	0040CST			0	0	?	?	TSTM Wind (52)
Kay County, 3 N Ponca City	27	0111CST			0	0	?	?	TSTM Wind
Kay County, Tonkawa	27	0112CST			0	0	?	?	TSTM Wind
Cimarron County, Boise City	27	0155CST			0	0	?	?	Hail (0.75)
Logan County, Guthrie	27	0215CST			0	0	?	?	TSTM Wind (59)
Oklahoma County, (PWA) Wiley Post	27	0220CST			0	0	?	?	TSTM Wind (50)
Canadian County, Yukon	27	0220CST			0	0	?	?	TSTM Wind
Oklahoma County, (ORC) Will Rogers	27	0221CST			0	0	?	?	TSTM Wind (57)
Cleveland County, Norman	27	0235CST			0	0	?	?	TSTM Wind (55)
McCain County, Newcastle	27	0235CST			0	0	?	?	TSTM Wind (59)
Cleveland County, 7 SE Tuttle	27	0245CST			0	0	?	?	TSTM Wind (52)
Grady County, 5 SE Tuttle	27	0245CST			0	0	?	?	TSTM Wind (52)
Lincoln County, Prague	27	0310CST			0	0	?	?	TSTM Wind (52)
Pottawatomie County, McLoud	27	0315CST			0	0	?	?	TSTM Wind (52)
									<p>Thunderstorms became severe in the eastern Oklahoma panhandle and moved southeastward into western and central Oklahoma, producing nickel size hail and damaging winds. In Kay County, large trees were blown down 3 miles north of Ponca City, and power lines and large trees were blown down at Tonkawa.</p>
<b>OKLAHOMA</b>									
Statewide									<p>entire month 0 0 ? ? Record Rain</p> <p>June of 1989 will be remembered as the wettest month in Oklahoma City history. The National Weather Service Office at Will Rogers Airport recorded 14.66 inches, well above the average of 3.87 inches. This total surpassed the previous record monthly precipitation total of 14.12 inches in June of 1942. Other areas experienced the wettest June on record. Some locations and record amounts include Clinton 13.46 inches, El Reno 12.91, Anadarko 10.98, Okeene 10.36, Ada 9.47, and Waurika 10.77.</p>
<b>35 OREGON</b>									
OR2012 Malheur County	15	1700PST			0	0	4	4	Flash Flood
									<p>Thunderstorms formed in southeast Oregon and moved north along the Idaho border. Rainfall of 1.27 inches in 30 minutes occurred in Nyssa, causing urban flooding which threatened businesses. Hail measuring up to one-half inch in diameter destroyed a flower seed crop and caused lesser damage to other types of crops. Large trees were uprooted, but no wind speed estimated are available.</p>
<b>36 PENNSYLVANIA, Eastern</b>									
Bucks County : Warminster	01	2206 EST			0	0	3	0	TSTM Wind
Southampton	01	2205 EST			0	0	3	0	TSTM Wind
1 NW Trevese	01	2210 EST			0	0	3	0	TSTM Wind
									<p>Thunderstorm winds downed trees and large tree limbs in Warminster, in Southampton and in Feasterville, which is northwest of Trevese. Power lines were also downed in Feasterville.</p>
Berks County, Calvertondale	04	0210 EST			0	0	5	0	Lightning
									<p>A lightning-caused fire destroyed a home.</p>
Montgomery County	09	1208 EST			0	0	3	?	Flash Flood
									<p>Rain had already fallen over Montgomery County for several days when 1 to 2 inches of rain fell on the 9th. About half of this rain fell within a few hours, 1800 to 2000 EST. As a result there was widespread drainage and small stream flooding. The Sanatoga Creek and the Stey Creek flooded over roadways. One person had to be rescued when his automobile was caught in flood waters from the Sanatoga Creek. Flooding occurred from 1000 EST on the 9th to 0100 EST on the tenth.</p>
Philadelphia County, Philadelphia	09	1015 EST 0.5	50	0	1	4	0	0	Tornado (F2)
									<p>A tornado packing winds of 70 to 120 MPH ripped through the Society Hill section of Philadelphia. The tornado touched down around 3rd and Gaskill streets and proceeded northeast for about 1/2 mile before reaching the Delaware River. The most significant damage was to a parking garage between Lombard and Stamper streets and 2nd and 3rd streets. Concrete-supported brick walls were blown out on two sides of the garage. Elsewhere along the tornado track: trees had branches twisted off or were completely uprooted, many automobiles were damaged, several street signs were blown down and shingles were blown off roofs of buildings. There were also several eyewitnesses who saw the tornado and debris flying around it. The area that was hardest hit ran from 3rd and Gaskill St. to Dock St. and Delaware Ave. and included parts of Lombard, Pine and Delancy streets between Delaware Ave. and 3rd Street. Eyewitnesses observed the funnel continue across the Delaware River, passing over the Ben Franklin Bridge and touching down to do damage to a warehouse. These eyewitnesses also observed that multiple funnels developed after it hit the warehouse. In Philadelphia one man received serious head injuries when hit with flying debris. Classification: FPP201</p>
Delaware County	09	1900 EST			0	0	3	?	Flash Flood
									<p>Heavy rain of 1 to 2 inches fell on the county, which had several previous days of rain. Much of this rain fell within a few hours. As a result there was widespread drainage and small stream flooding. Chester Creek reached 10 ft, 2 ft over the flood stage of 8 ft. The flooding occurred from 1900 EST on the 9th to 0100EST on the 10th.</p>

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>PENNSYLVANIA, Eastern</b>									
Bucks County	09	2230 EST	0	0	3	?			Flash Flood
<p>Heavy rain of 1 to 2.5 inches fell on the county, which had several previous days of rain. Much of this rain fell in a few hours. As a result there was widespread drainage and small stream flooding. The Neshauney Creek at Langhorne reached 11 ft, 2 ft over the flood stage of 9 ft. The flooding occurred from 2230 EST on the 9th to 1100EST on the 10th.</p>									
York and Lancaster Counties, York to Wrightsville, Columbia, and 2W Millersville	15	1650-1745EST	15	100	0	7	6	4	Tornado (F2)
<p>A tornado touched down on the eastern end of the City of York and made an intermittent path of damage northeastward across the Susquehanna River near Wrightsville to its endpoint, 2 miles west of Millersville in Lancaster County. In York County the tornado traversed 8 miles of its path length, causing damage to 16 homes, one business, a church, 5 garages and 3 barns. Some of these received extensive damage. Many trees were uprooted or broken off and one woman was injured by a falling limb. The tornado was observed crossing the Susquehanna River and drawing up water into its funnel at 1730EST. The tornado continued eastward for another 7 miles across Lancaster County, causing damage in Columbia, Mountville and just to the west of Millersville. In Lancaster County 4 homes were destroyed, 9 houses were damaged, and an excavating company warehouse was knocked down. Many trees were uprooted or broken off and many vehicles were damaged or destroyed. A total of 7 people received minor injuries, 3 in York County and 4 in Lancaster County. Classification: FPP232</p>									
Lancaster County, East Petersburg	15	1745 EST			0	1	0	0	Lightning
<p>A man was slightly injured when lightning struck near his automobile as he was driving.</p>									
Chester County, 0.5 N Coatesville	15	1825 EST			0	0	3	0	TSTM Wind
<p>Thunderstorm wind gusts downed trees and utility poles in an area 1/2 to 2 miles north of Coatesville.</p>									
Ferry County, 7 W Laysville	20	1715 EST	2	25	0	1	4	0	Tornado (F2)
<p>The tornado first touched down at a farm, taking the roof off and blowing the end out of a barn and taking part of the roof off another building. Four people on the farm observed the tornado and saw two funnels. Portions of the roof were found 1 mile away where they damaged a fence. About 1.5 to 2 miles from the farm the tornado touched down to partially collapse a garage and dislodge the roof. A man in the garage was critically injured. A tree near the garage was snapped off. At a nearby house, a house trailer was lifted 2 ft in the air and set back down. About 200 ft from the garage two trees were snapped off near another house. Classification: FPP211</p>									
Franklin County, 2 N Quincy	20	1856 EST	1	25	0	0	4	0	Tornado (F1)
<p>A tornado first took the tops out of trees, then touched down to destroy a large milking barn and take the wall and roof off another old barn. Two men who took shelter in a low spot in the milking barn were uninjured. The tornado then continued north, only touching down at times. It next damaged a building at a gas station, then went the fence at a sewage treatment plant, took siding off a house and uprooted trees. It next moved through the backyards of 5 houses, damaging sheds, windows, chimneys, swimming pools and trees. A board was imbedded in the side of one house. Finally it brought tree limbs down on a chapel in Mt. Alto as it lifted. There were a number of eyewitnesses and the tornado was even photographed. Classification: FPP101</p>									
Ferry County	20	2000 EST			0	0	4	?	Flash Flood
<p>Heavy rain of at least 2 inches in a very short period caused considerable flooding in the area from New Germantown to Blain to Kistler and Ickesburg. Houses and a restaurant had basements or first floors flooded. A wall of water rushed through Sunshine Ministries flooding buildings and washing away fuel tanks and other equipment. Several people caught in the flood had a desperate struggle in order to escape. The flooding occurred between 2000 and 2300 EST. Sherman Creek crested at 3.2 ft above flood stage.</p>									
Lycensing County	21	1100 EST			0	0	?	?	Flood
<p>Heavy rain caused mixer flooding along Creek at Jersey Mills. Flooding occurred from 1100 to 1300 EST.</p>									
Berks County, 1 SE Douglassville	21	1530 EST			0	1	3	0	TSTM Wind
<p>Thunderstorm wind gusts brought down a large tree limb onto the cab of a tractor-trailer truck. The cab of the truck was crushed and a crane was needed to remove the limb from the cab. The driver suffered severe facial injuries.</p>									
<b>PENNSYLVANIA, Eastern</b>									
Montgomery County	22	1330 EST			0	0	4	?	Flash Flood
<p>There was widespread urban flooding with many roads closed to traffic. Many dry creeks and small creeks and streams flooded. Many houses that never had water in basements had water this time. The heaviest rain occurred between 1330 and 1600 EST and caused major inconvenience to commuter traffic. Structural damage due to flooding was minimal. Flooding occurred from 1330 until 1545 EST. In Abington, 3 to 4 inches of rain fell in 1 hour. Dry creek beds filled to 6 feet deep. Fourteen children were rescued from Sandy Run Creek when a joy ride on rafts in a couple of feet of water nearly turned to tragedy as the creek rose rapidly. A road bed supporting railroad tracks for SEPTA's West Trenton Line was completely washed out, leaving the tracks with no support. In Cheltenham Township and in Jenkintown the Tacony Creek flooded. In King of Prussia automobiles were under 4 feet of water. In Royersford many roads flooded. 1.25 inches of rain fell in 15 minutes. Near Willow Grove traffic was nearly at a standstill due to flooding on the Pennsylvania Turnpike. In Willow Grove Route 611 was impassable at Old York Road. In Upper Merion Township Route 202 was impassable. The junction of Route 23 and Swedeland Road was flooded. Many houses were flooded along Cretan Rd. Henderson Road was impassable with water over the tops of some cars. Some people were trapped inside an office building for a while by water surrounding it. Lupton Road also was impassable. In Norristown the railroad supporting a trolley track was washed out. Other railroad tracks were under water. In Conshohocken railroad tracks were flooded and impassable. Most creeks in eastern Montgomery County flooded.</p>									
Bucks County	22	1400 EST			1	0	4	?	Flash Flood
<p>There was widespread urban flooding with many roads closed to traffic. Many dry creeks and small creeks and streams flooded. Many houses that never had water in basements had water this time. The heaviest rain occurred between 1330 and 1600 EST and caused major inconvenience to commuter traffic. Structural damage due to flooding was minimal. Between 1430 and 1500 EST a 22 year old woman with cerebral palsy drowned when water poured into the basement of her home and tipped over her wheel chair. She drowned in 2.5 feet of water in her basement. She lived in Northampton Township (TOWN NIX). From 1400 until 1530 EST streets and basements were flooded and some roads closed in Southampton and Northampton townships, and in Newton and Bensalem. Flooding also occurred on many small creeks in this area. Newton had 1.5 inches of rain in an hour. Spatter reports of flooding in these 4 areas were received at 1510 and 1515EST. A creek overflowed in Davidsville, flooding roadways and damaging some garages. At 1400 EST Southampton Road on the border of Bucks and Philadelphia counties was impassable. F22P</p>									
Philadelphia County	22	1400 EST			0	0	4	?	Flash Flood
<p>There was widespread urban flooding with many roads closed to traffic. Many houses that never had water basements had water this time. The heaviest rain occurred between 1330 and 1600 EST and caused major inconvenience to commuter traffic. Structural damage due to flooding was minimal. Flooding occurred from 1400 to 1500 EST. There were numerous reports of street flooding in the northwest part of the city. Southampton Road was impassable at 1400 EST. Roosevelt Blvd. was under 2 feet of water around 1400 EST. The basement of a condominium in northeast Philadelphia was flooded around 1500 EST.</p>									
Chester County	22	1530 EST			0	0	3	?	Flash Flood
<p>Heavy rain caused considerable urban and roadway flooding, but mostly in the eastern end of the county. Flooding occurred around 1530 EST. Gulph Road and Cretan Road just east of Deven were impassable. In Valley Forge low-lying roads were under water.</p>									
Adams County	22	1900 EST			0	0	4	?	Flash Flood
<p>Heavy downpours caused widespread urban and small stream flooding from Gettysburg to Littlestown and south into Maryland. Many roadways were flooded and over 60 basements were flooded. Gettysburg Campground was flooded and 21 campers had to be evacuated. The flooding occurred from 1900 EST on the 22nd until 0200 EST on the 23rd.</p>									
Chester County	23	0955 EST			0	0	3	?	Flash Flood
<p>Heavy rains early in the day resulted in flooding in East Brandywine Township along Pennsylvania Route 82. Flooding occurred from 0955 to 1030 EST.</p>									
Sullivan County, 1 W Hillsgrove	24	1515 EST			0	0	4	?	TSTM Wind
<p>Thunderstorm wind gusts uprooted or broke off around 150 trees from near Shunk to Hillsgrove. One mobile home was overturned and two others were damaged. One tree came down on a church roof. Many utility lines were down. There also was roof damage to one house and heavy damage to two vehicles at the house.</p>									
Northumberland County, Milton	24	1515 EST			0	0	6	?	TSTM Wind
<p>A thunderstorm moving across northern Northumberland County brought down many trees and utility lines. Roofs were damaged on 10 barns and 7 houses, with the roof completely off one house. The damage was from near Milton east-northeast across Turbet and southern Lewis townships.</p>									



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

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					KILLED	INJURED	PROPERTY	CROPS	

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	

## — PENNSYLVANIA, Eastern

Montour County, Lincolnton	24 1535 EST	0	5	5	?	TSTM Wind	<p>The thunderstorm that moved across Northumberland County next moved into Montour County. Near Lincolnton a house trailer was rolled over onto its roof and almost completely destroyed. Five people in the trailer received minor injuries. In that same general area fences were damaged, outbuildings and one patio destroyed, a pole barn destroyed by falling trees, and automobiles in the barn damaged. Many trees were downed and a satellite dish in a concrete base was ripped out of the ground.</p>			
Huntingdon County, Huntingdon	24 1925 EST	0	0	3	0	TSTM Wind	<p>Thunderstorm wind gusts brought down numerous trees and utility lines from Huntingdon to Mapleton between 1925 and 1950 EST.</p>			
Huntingdon County, Casaville	24 1930 EST	7	14	0	0	5	?	Tornado (F1)		
<p>A tornado moved across Huntingdon County from near Calfax in Union Township south-southwest across Cass Township and part of Ted Township. Although some spotty damage was reported along the path, most of the damage was in the town of Casaville. A large number of trees were uprooted or broken off, many utility lines were down, some utility poles were broken off, 20 to 25 houses were damaged, and a concrete block car wash was destroyed. One of the concrete blocks was carried several hundred yards and dropped through a barn roof. A piece of 2x4 was driven into the side of a house. Eyewitnesses reported two funnels, indicating the tornado to be multi-vortex, which seemed to be supported by the damage pattern. Classification: FPP120</p>										
Lancaster County: Ephrata	25 1530 EST	0	0	3	?	TSTM Wind				
2 SW Refton	25 1645 EST	0	0	?	?	Hail(1.75)				
Quarryville	25 1700 EST	0	0	4	0	Lightning				
<p>Thunderstorm wind gusts brought down trees and utility lines in the Ephrata area. Golf ball size hail fell at Smithville which is southwest of Refton. Lightning caused a fire in a barn in Quarryville. Two heifers died in the fire.</p>										
Centre County: Meunant	25 1605 EST	0	0	3	?	TSTM Wind				
2 N State College	25 1620 EST	0	0	?	?	TSTM Wind(52)				
Howard	25 1630 EST	0	0	?	?	Hail(0.75)				
<p>Thunderstorm wind gusts downed trees and some utility lines along the Centre-Clinton County line near Meunant. Thunderstorm wind gusts were estimated at 60 MPH north of State College. At Howard 1/2 to 3/4 inch hail was reported.</p>										
Bucks County, 2 W Croyden	27 0120 EST	0	0	4	0	TSTM Wind(61)				
<p>In Bensalem to the west of Croyden thunderstorm wind gusts estimated at 60 to 70 MPH ripped the roof off a large building and took a large piece of siding off another building. Due to the peculiar use of the large building the roof was not securely nailed down.</p>										
Clinton County: 4 N Swissdale	27 1530 EST	0	0	3	?	TSTM Wind				
Tylersville	27 1555 EST	0	0	3	?	TSTM Wind				
<p>Thunderstorm wind gusts brought down several trees and large limbs 2 miles south of Gallagher which is to the north of Swissdale. Thunderstorm wind gusts downed several trees in Tylersville.</p>										
Lycoming County: 5 NW Jersey Shore	27 1530 EST	0	0	3	?	TSTM Wind				
1 E Jersey Shore	27 1550 EST	0	0	3	?	TSTM Wind				
<p>Thunderstorm wind gusts downed 2 large trees in Teaba Run to the northwest of Jersey Shore and downed several trees and large limbs in Hippocase Township just east of Jersey Shore.</p>										
Union County, Allenswood	27 1615 EST	0	0	3	?	TSTM Wind				
<p>Thunderstorm wind gusts downed trees and utility lines.</p>										
Northumberland County: Pettsgrove	27 1615 EST	0	0	?	?	Hail(1.0)				
Dewart	27 1620 EST	0	0	3	?	TSTM Wind				
Watsetown	27 1620 EST	0	0	3	?	TSTM Wind(52)				
Riverside	27 1736 EST	0	0	3	?	TSTM Wind				
<p>Thunderstorms dropped 1 inch hail at Pettsgrove and pea to marble size hail at Watsetown. Wind gusts downed trees in Dewart, Riverside and Watsetown and were estimated at 50 to 60 MPH in Watsetown.</p>										
Montour County, Danville	27 1744 EST	0	0	3	?	TSTM Wind				
<p>Thunderstorm wind gusts brought down a tree across a power line in Red Lane near Danville.</p>										

## — PENNSYLVANIA, Eastern

Dauphin County, 3 SE Middletown	27 2115 EST	0	0	4	0	Lightning	<p>Five heifers and one cow were killed by lightning.</p>			
<b>36 PENNSYLVANIA, Western</b>										
Erie County, northeast section	03 1745EST	0	0	0	0	Thunderstorm Wind	<p>Large trees and power lines were downed in the northeast part of the county.</p>			
Beaver County, Beaver	03 1902EST	0	0	0	0	Thunderstorm Wind (50)	<p>A peak wind gust of 58 mph occurred at the Beaver County Airport.</p>			
Butler County, 12 W Butler	03 1920EST	0	0	0	0	Thunderstorm Wind	<p>Trees were downed in Lancaster Township.</p>			
Butler County, Butler	03 1940EST	0	0	0	0	Thunderstorm Wind	<p>Trees were downed at the Emergency Operations Center in Butler, and also in Penn Township.</p>			
Butler County, 14 SW Butler	03 1940EST	0	0	0	0	Thunderstorm Wind	<p>Trees were downed in Jackson and Cranberry townships.</p>			
Washington County, 6 N Washington	03 2010EST	0	0	0	0	Thunderstorm Wind	<p>Wires and large trees were downed at Houston.</p>			
Butler County, 8 W Butler and 9 SW Butler	09 1345- 1800EST	0	0	0	0	Flash Flood	<p>Crab Run went 6 feet over its banks in Connoquenessing Township, and Connoquenessing Creek was over its banks southwest of Butler.</p>			
Butler County, 22 N Butler	09 1430- 1800EST	0	0	6	0	Flash Flood	<p>A reinforced concrete bridge was washed away in Cherry Valley.</p>			
Butler County, 16 NW Butler	09 1430- 1800EST	0	0	0	0	Flash Flood	<p>Route 8 flooded between Slippery Rock and Butler.</p>			
Venango County, 17 SE Franklin	09 1605EST	0	0	4	0	Flash Flood	<p>A cabin was washed away in Emlenton, resulting in \$30,000 in damage.</p>			
Venango County, 14 S Franklin	09 1705EST	0	0	5	0	Flash Flood	<p>Flooding occurred on Scrubgrass Creek. A bridge was taken out and damage was done to Route 480. The total damage done was valued at \$70,000.</p>			
Forest County	09 1740EST	0	0	0	0	Flash Flood	<p>Roadways flooded throughout the county.</p>			
Warren County, 20 NW Warren	09 1842EST	0	0	0	0	Thunderstorm Wind	<p>Trees and power lines were downed in Columbus.</p>			
Lawrence County, 3 W New Castle	15 0838- 1100EST	0	0	0	0	Flash Flood	<p>The Mahoning River flooded between Unionville and South Beaver. The water was as high as one foot over a bridge.</p>			
Elk County, 9 N Ridgeway	15 1015- 1300EST	0	0	0	0	Flash Flood	<p>Flooding occurred at an underpass on Route 219 between Wilcox and Johnsonburg. Basement flooding also occurred.</p>			
Allegheny County, 9 N Pittsburgh	15 1425- 1730EST	0	0	0	0	Flash Flood	<p>Minor flooding occurred on the West Branch of Pine Creek in McCandless and Hampton townships.</p>			
Somerset County, 20 SW Somerset	19 1820EST	0	0	0	0	Flash Flood	<p>Mudslides occurred in the Addison area.</p>			
Armstrong County, 7 N Kittanning	20 0800EST	0	0	0	0	Flood	<p>The Allegheny River was out of its banks and covering roads at East Franklin and in Pine Township.</p>			
Elk County, 11 S Ridgway	20 1110- 1515EST	0	0	0	0	Flood	<p>Flooding occurred near Elbon and Brockport. Many streams were over their banks.</p>			

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<b>— PENNSYLVANIA, Western</b>									
Butler County, 22 N Butler	20	1313- 1815EST			0	0	0	0	Flood
			Small stream flooding occurred in the vicinity of Cherry Way and Eau Claire. Water was three feet deep over roads north of Eau Claire.						
Westmoreland County, 5 S Greensburg	20	1509EST			0	0	4	0	Lightning
			Lightning struck a house in Youngwood and did \$30,000 to \$40,000 in damage.						
Somerset County, 11 N Somerset	20	1600- 2300EST			0	0	0	0	Flash Flood
			Flooding of roads occurred at Jennerstown.						
Somerset County, 15 NE Somerset	20	1600- 2300EST			0	0	0	0	Flash Flood
			Flooding of roads occurred at Hollsopple.						
Bedford County, 20 SW Bedford	20	1635- 2000EST			0	0	0	0	Flood
			Small stream flooding occurred in Hyndman.						
Elk County, Ridgway	20	1700EST- 21 1200EST			0	0	6	0	Flood
			The Clarion River went out of its banks at Ridgway. It crested at 6 feet above flood stage at 2245EST on the 20th, the highest level since 1942. Flood damage was estimated at \$750,000 in the county.						
Blair County, 3 S Altoona	20	1715- 2100EST			0	0	5	0	Flood
			Flooding of roads occurred between Altoona and Hollidaysburg. Seventeen homes received major damage.						
McKean County, 10 E Smethport	20	1740EST			0	0	0	0	Flood
			The Allegheny River went out of its banks at Port Allegany.						
Potter County, 7 W Coudersport	20	1740EST			0	0	0	0	Flood
			The Allegheny River went out of its banks at Roulette.						
Forest County, 17 SE Tionesta	20	1800EST- 22 0500EST			0	0	0	0	Flood
			The Clarion River went out of its banks at Cooksburg. It crested at 4 feet above flood stage at 0500EST on the 21st.						
Bedford County, 5 S Bedford	20	1800- 2000EST			0	0	0	0	Flood
			Flooding occurred on Route 326 between Bedford and Rainsburg.						
Bedford County, Bedford	20	1800- 2000EST			0	0	0	0	Flood
			A road in Bedford was under 8 inches of water.						
Potter County, 11 W Coudersport	20	1808EST			0	0	0	0	Flash Flood
			The Allegheny River went out of its banks in the western part of the county.						
Bedford County, 11 W Bedford	20	1855- 2100EST			0	0	0	0	Flood
			Campgrounds along the Pennsylvania Turnpike were flooded in the western part of the county.						
Jefferson County, 15 S Brookville	20	2020EST			0	0	0	0	Flood
			Flooding occurred in Punxsutawney along the Elk Run.						
Jefferson County, 18 NE Brookville	20	2135EST			0	0	0	0	Flood
			Flooding occurred on the Little Toby Creek at Brockway. Two to three hundred evacuations were necessary due to the potential for backwater flooding from the Clarion River.						
Bedford County	20	2208EST- 21 0300EST			0	0	0	0	Flood
			Secondary roads were closed due to high water throughout the county.						
Allegheny County, 7 S Pittsburgh	21	0530EST			0	0	0	0	Flood
			Creeks went out of their banks at Oakdale and Imperial. Roads were closed.						
Butler County	21	0730EST			0	0	0	0	Flood
			Water covered roadways throughout the county.						
Clarion County, 8 W Clarion	21	1030EST			0	0	0	0	Flood
			Water covered roadways, and a bridge was closed due to the high water.						
Armstrong County, 13 SW Kittanning	21	1200EST- 22 1200EST			0	0	0	0	Flood
			The Allegheny River went out of its banks at Freeport. The river was two feet above flood stage at 1800EST on the 21st.						
<b>— PENNSYLVANIA, Western</b>									
McKean County, 11 NW Smethport	21	1300EST- 23 1800EST			0	0	0	0	Flood
			The Allegheny River went out of its banks at Elrod. It crested at two and one-half feet above flood stage at 2200EST on the 21st.						
Allegheny County, 12 NE Pittsburgh	21	1500EST- 22 0400EST			0	0	0	0	Flood
			The Allegheny River went out of its banks at Acmetonia. It crested slightly above flood stage at 2200EST on the 21st.						
Allegheny County, 11 E Pittsburgh	22	1925EST			0	0	0	0	Flood
			Flooding occurred on Girty Run; mudslides occurred in the same area.						
Allegheny County, 15 E Pittsburgh	22	1944EST			0	0	0	0	Flood
			Flooding occurred in the Etna-Millvale area. Twenty to thirty homes were evacuated along Pine Creek in Shaler Township.						
Warren County, 11 SE Warren	22	2000EST			0	0	?	0	Flood
			Two Mile Run went out of its banks at Sheffield. Railroad tracks were washed out and basement flooding occurred also.						
Allegheny County, 15 NE Pittsburgh	22	2010EST			0	0	0	0	Flash Flood
			Deer Creek flooded over a road between Gibsonia and Allison Creek.						
Butler County, 4 N Butler	22	2041EST			0	0	0	0	Flash Flood
			Road flooding occurred north of Butler.						
Somerset County	22	2242EST			0	0	0	0	Flash Flood
			Clear Shade Creek and Bisket Creek each flooded near Ogletown.						
Clarion County, 7 S Clarion	23	0007EST			0	0	6	0	Flash Flood
			Big Piney Creek flooded at Limestone. Two campgrounds were extensively damaged, two camp trailers were washed away but recovered downstream, another camper was washed away and destroyed, a footbridge was washed away, and an asphalt road was washed out. One million dollars in damage occurred.						
Bedford County, 19 NW Bedford	23	0015EST			0	0	6	0	Flash Flood
			Dunnings Creek went out of its banks at several locations. A number of bridges were out at Rytot, there was basement flooding, and roads were under water at Pleasantville and Reynoldsville. Damage amounted to \$500,000 in losses.						
Jefferson County, Brookville	23	0025EST			0	0	0	0	Flash Flood
			Street flooding occurred at Brookville.						
Clarion County, 14 S Clarion	23	0030EST			0	0	0	0	Flash Flood
			Town Run went out of its banks.						
Armstrong County	24	1548EST			0	0	0	0	Thunderstorm Wind
			Tree damage occurred.						
Westmoreland County, Greensburg	24	1640EST			0	0	0	0	Thunderstorm Wind
			Tree damage occurred at Greensburg.						
Fayette County, 11 NE Uniontown	24	1715EST			0	0	?	0	Thunderstorm Wind
			Trees and power lines were downed in Connellsville.						
Bedford County, 10 SE Bedford	24	2200EST			0	0	5	0	Thunderstorm Wind
			Trees were uprooted in Clearville. A storage shed was lifted up and farm equipment was thrown 300 yards.						
Clearfield County, 6 E Clearfield	25	2027- 2100EST			0	0	0	0	Flash Flood
			Creeks went over their banks east of Clearfield.						
Clearfield County, 5 NE Clearfield	25	2115EST			0	0	0	0	Flash Flood
			A road flooded near Shawville.						
Washington County, 6 SW Washington	26	1555EST			0	0	0	0	Hail (0.75)
			Three-quarter inch diameter hail fell between Washington and Claysville.						
Butler County, 21 N Butler	27	1315EST			0	0	4	0	Lightning
			Lightning struck a house in Eau Claire and set it ablaze.						
Potter County, Coudersport	27	1345EST			0	0	?	0	Thunderstorm Wind
			Large trees and power lines were downed south of Coudersport.						
Potter County, 6 E Coudersport	27	1400EST			0	0	4	0	Thunderstorm Wind
			Large trees and power lines were downed, and damage was done to roofs 2 miles east of Sweden Valley.						
Clarion County, 14 NE Clarion	27	1400EST			0	0	4	0	Thunderstorm Wind
			Trees were downed in the northern part of the county. Trees were also downed in Cook Forest State Park, some falling onto a building and damaging it.						

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>— PENNSYLVANIA, Western</b>									
Armstrong County, 7 NW Kittanning	27	1414EST			0	0	0	0	Flash Flood
					Mudslides occurred along Route 268.				
Armstrong County, 5 W Kittanning	27	1415EST			0	0	0	0	Thunderstorm Wind
					Trees were uprooted in Worthington.				
Crawford County, 8 E Meadville	27	1415EST			0	0	0	0	Thunderstorm Wind
					Trees were downed in Guys Mills.				
Crawford County, 14 SW Meadville	27	1420EST			0	0	0	0	Thunderstorm Wind
					Large tree were downed in Atlantic.				
Crawford County, 17 E Meadville	27	1425EST			0	0	?	0	Thunderstorm Wind
					Trees and power lines were downed in Townville.				
Venango County, 17 SE Franklin	27	1455EST			0	0	0	0	Flash Flood
					Mudslides occurred along Route 208 in Ealenton.				
Venango County, 7 E Franklin	27	1455EST			0	0	0	0	Flash Flood
					Flash flooding occurred along Route 257 in Cranberry Township.				
Venango County, Franklin	27	1455EST			0	0	0	0	Flash Flood
					Flash flooding occurred along Chub Run in Franklin.				
Venango County, 7 E Franklin	27	1500EST			0	0	?	0	Thunderstorm Wind
					Sheds were blown down. Power lines were also downed in Seneca.				
Beaver County, 8 S Beaver	27	1500EST			0	0	0	0	Hail (1.00)
					One-inch diameter hail fell at Hopewell.				
Jefferson County, 17 S Brookville	27	1505EST			0	0	0	0	Thunderstorm Wind
					Tree damage occurred in Punxsutawney.				
Indiana County, 12 N Indiana	27	1515EST			0	0	4	0	Lightning
					Twelve cows were struck by lightning, resulting in an \$8000 loss.				
Warren County, 8 S Warren	27	1530EST			0	0	3	0	Thunderstorm Wind
					Forty trees were blown down in Chapman State Park. A dumpster was also blown over.				
Clearfield County, 14 SE Clearfield	27	1550EST			0	0	0	0	Thunderstorm Wind
					Tree damage occurred in Chester Hill Boro.				
Venango County, 7 E Franklin	27	1530EST			0	0	0	0	Flash Flood
					Flooding occurred near Seneca.				
Indiana County, 12 N Indiana	27	1545EST			0	0	0	0	Thunderstorm Wind
					Tree damage occurred in Marion Center.				
Indiana County, northern sections	27	1550EST			0	0	0	0	Thunderstorm Wind
					Tree damage occurred in the northern part of the county.				
Washington County, 6 N Washington	27	1715EST			0	0	0	0	Thunderstorm Wind
					Tree damage and power outages occurred in Cecil Township and Canonsburg.				
Allegheny County, 14 NE Pittsburgh	27	1715EST			0	0	0	0	Thunderstorm Wind
					Sixty to seventy mile per hour winds occurred in Wexford.				
Beaver County, 8 SE Beaver	27	1715EST			0	0	0	0	Thunderstorm Wind
					Tree damage occurred in Harmony.				
Butler County 16 SW Butler	27	1718EST			0	0	0	0	Thunderstorm Wind
					Trees were downed 8 miles south of Zelienople.				
Westmoreland County, 7 NW Greensburg	27	1745EST			0	0	4	0	Thunderstorm Wind
					A house under construction was blown down in Penn Township. Trees and power lines were downed also.				
Allegheny County, 3 E Pittsburgh	27	1805- 1900EST			0	0	0	0	Flash Flood
					Flooding occurred on Montour Run.				
Indiana County, 21 SW Indiana	27	1918EST			0	0	0	0	Thunderstorm Wind
					Tree damage occurred in Saltsburg.				
<b>37 RHODE ISLAND</b>									
Providence County, City of Providence	22	1400EST			0	0	3	0	Lightning
					A bolt of lightning struck an overhang on a building in the city, sending debris crashing to the street and shattering two windows. One person was cut by flying glass.				
<b>38 SOUTH CAROLINA</b>									
ORANGEBURG COUNTY Orangeburg	01	1900EST			0	0	4	0	TSTM WINDS
					Winds took the top off of a lumber shed and blew down several trees.				
MARLBORO COUNTY Bennettsville	02	1530EST			0	0	5	0	TSTM WINDS & LIGHNING
CALHOUN COUNTY Cameron	02	1808EST			0	0	?	?	HAIL(1.75)
SUMNER COUNTY Sumter	02	1850EST			0	0	?	?	TSTM WINDS
MARLBORO COUNTY Wallace	02	1850EST			0	0	?	?	HAIL(0.75)
					In Bennettsville, numerous trees were downed and a plate glass window was blown out. Small hail was reported also. Lightning damaged a large computer system.				
ORANGEBURG COUNTY Branchville	03	P.M.			0	0	?	0	TSTM WINDS
					Several pine trees were blown down.				
BEAUFORT COUNTY Lady's Island	04	2140EST			0	0	5	0	LIGHNING
					Lightning knocked out power to Lady's Island.				
HORRY COUNTY Longs Community	05	1330EST			0	0	4	0	TSTM WINDS
					Thunderstorm winds blew down trees and damaged power lines.				
GREENVILLE COUNTY Simpsonville	05	1353EST			0	0	4	?	TSTM WINDS
MAULDIN	05	1353EST			0	0	4	?	TSTM WINDS & HAIL(0.75)
HORRY COUNTY Longs Community	05	1415EST			0	0	?	?	LIGHNING
PREMOUNT	05	1415EST			0	0	?	?	TSTM WINDS
CHEROKEE COUNTY Blacksburg	05	1538EST			0	0	0	?	HAIL(0.88)
ANDERSON COUNTY Asbury Community	05	1555EST			0	0	4	?	TSTM WINDS
ANDERSON COUNTY Pendleton	05	1610EST			0	0	0	?	HAIL(1.00)
OCONEE COUNTY Seneca, Walhalla	05	1613EST			0	0	5	0	TSTM WINDS
WESTMINSTER	05	1615EST			0	0	5	0	TSTM WINDS & LIGHNING
PICKENS COUNTY Clemson	05	1615EST			0	0	?	?	LIGHNING
	05	1616EST			0	0	5	0	TSTM WINDS
GREENVILLE COUNTY 1 W Greenville	05	1625EST			0	0	4	0	TSTM WINDS
PICKENS COUNTY Pickens	05	1630EST			0	0	5	0	TSTM WINDS
EASLEY	05	1630EST			0	0	5	0	TSTM WINDS
GREENVILLE COUNTY Tylors	05	1640EST			0	0	5	?	TSTM WINDS
GREER	05	1640EST			0	0	5	?	TSTM WINDS
GREER AIRPORT	05	1646EST			0	0	3	0	TSTM WINDS (G51)
SPARTANBURG COUNTY 2 N Lyrnan	05	1648EST			0	0	0	?	HAIL(0.75)
SPARTANBURG	05	1711EST			0	0	4	0	TSTM WINDS
BERKELEY COUNTY Eadytown	05	1700EST			0	0	3	0	TSTM WINDS
LEXINGTON COUNTY Irmo	05	1722EST			0	0	?	?	TSTM WINDS & LIGHNING
CHEROKEE COUNTY 5 E Gaffney	05	1725EST			0	0	4	0	TSTM WINDS
UNION COUNTY Near Lockhart	05	1730EST			0	0	3	0	TSTM WINDS
LAURENS COUNTY Clinton	05	1730EST			0	0	0	0	TSTM WINDS
CHEROKEE COUNTY 8 SE Cherokee Falls	05	1730EST			0	0	4	0	TSTM WINDS
RICHLAND COUNTY Columbia	05	1732EST			0	0	?	?	TSTM WINDS
UNION COUNTY Bonham	05	1740EST			0	0	4	0	TSTM WINDS
YORK COUNTY 2 S York and York	05	1746EST			0	0	4	0	TSTM WINDS
OCONEE COUNTY Seneca	05	1800EST			0	0	5	0	LIGHNING

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

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					KILLED	INJURED	PROPERTY	CROPS	KILLED	INJURED	PROPERTY	CROPS	
<b>— SOUTH CAROLINA</b>													
CHESTERFIELD COUNTY between Cheraw and Bennettsville	05	1800EST			0	0	4	0					HAIL(1.75)
MARLBORO COUNTY Northern	05	1830EST			0	0	?	?					TSTM WINDS
	<p>The third major severe weather outbreak of the season caused rather extensive damage in parts of the upstate. Many trees and power lines were blown down and there was some scattered structural damage. The storms moved into the area from Georgia and then became organized into a line of which moved across northwestern SC. Perhaps the hardest hit counties were Oconee, Pickens, and Greenville. In those counties, a number of uprooted trees caused gas lines to break. Power outages were common and some customers were without power until the next day. A gust to 51 knots produced some minor damage at the Greenville-Spartanburg Airport. A house in Cherokee County was partially unroofed by the wind.</p> <p>In Chesterfield County damage was mostly from scattered trees blown down in the Pageland, Mt. Croghan and Ruby areas. In York County scattered trees were blown down.</p>												
ORANGEBURG COUNTY between Cope and Cordova Orangeburg	05	1850EST			0	0	4	0					TSTM WINDS
	05	1850EST			0	0	?	0					TSTM WINDS
RICHLAND COUNTY Horrel Hill	05	1910EST			0	0	?	?					TSTM WINDS
CALHOUN COUNTY near Cameron	05	1910EST			0	0	?	?					TSTM WINDS
CLARENDON COUNTY Paxville area	05	1925EST			0	0	5	0					TSTM WINDS
SUMTER COUNTY Southern	05	1930EST			0	0	?	?					TSTM WINDS
CALHOUN COUNTY Southern	05	1945EST			0	0	?	?					TSTM WINDS
BERKELEY COUNTY Moncks Corner	05	2200EST			0	0	5	0					LIGHTNING
CHARLESTON COUNTY Folly Beach	06	0130EST			0	0	4	0					TSTM WINDS
	<p>The unstable weather that was upstate earlier in the day moved southeastward across central, eastern, and southern South Carolina. In Union County, scattered trees were downed. At Cope in Orangeburg County damage occurred to homes and power lines from falling trees; a cement block home was completely demolished. In Clarendon County trees were downed in Paxville, damaging homes. In Berkeley County lightning burned a barn. In Horry County a barn near Longs was destroyed by lightning. An early morning thunderstorm on the 6th blew windows in at a home at Folly Beach, causing considerable damage.</p>												
BEAUFORT COUNTY Hilton Head Is. 2.5 E Fripp Is.	06	1320EST			0	1	4	0					LIGHTNING
	06	1320EST			0	0	4	0					WATERSPOUTS
	<p>Lightning struck a shrimp boat. A golf cart was also struck, injuring a 19 year old man. Two waterspouts were sighted off Fripp Island.</p>												
FLORENCE COUNTY Claussen Area	07	1350EST			0	0	4	0					LIGHTNING
	<p>Lightning set a house afire, and caused several power outages.</p>												
HAMPTON COUNTY Hampton	07	1830EST			0	0	?	?					TSTM WINDS & LIGHTNING
GEORGETOWN COUNTY Georgetown	07	1830EST			0	0	?	?					TSTM WINDS & LIGHTNING
GEORGETOWN COUNTY off Hunting Beach	09	1200EST			0	0	4	0					TSTM WINDS
	<p>Sail boat was capsized by winds.</p>												
CHEROKEE COUNTY Macedonia area S of Chesnee	12	1550EST			0	0	4	0					TSTM WINDS
	<p>An isolated severe storm produced damaging winds over a small area of Cherokee County. A number of trees were blown down and mobile homes and outbuildings were damaged.</p>												
OCONEE COUNTY near Seneca	15	1215EST			0	0	3	0					TSTM WINDS
GREENVILLE COUNTY West Greenville Hogback Mtn Area	15	1247EST			0	0	3	0					TSTM WINDS
	15	1255EST			0	0	?	?					TSTM WINDS (G70)
CHEROKEE COUNTY 10 W Gaffney	15	1300EST			0	0	?	?					TSTM WINDS
SPARTANBURG COUNTY Spartanburg	15	1305EST			0	0	3	?					TSTM WINDS
<b>— SOUTH CAROLINA</b>													
ANDERSON COUNTY Pendleton between Anderson and Hartwell Lake	15	1400EST			0	0	?	?					TSTM WINDS
	15	1515EST			0	0	?	?					TSTM WINDS
	<p>Scattered, marginally severe thunderstorms developed across the upstate. Damage was restricted to mostly trees. An especially intense storm produced very high winds in extreme northern Greenville County.</p>												
AIKEN COUNTY North Augusta	15	P.M.			0	0	5	0					TSTM WINDS
	<p>Thunderstorm damage to power lines resulted in 2000 homes being without power.</p>												
ORANGEBURG COUNTY Bowman	15	1620EST			0	0	?	?					TSTM WINDS
COLLETON COUNTY NE portions	15	1640EST			0	0	4	0					TSTM WINDS & HAIL(UNK)
CLARENDON COUNTY Lake Marion area	15	1645EST			0	0	4	0					TSTM WINDS
ORANGEBURG COUNTY Santee	15	1645EST			0	1	6	0					TSTM WINDS
	<p>Downburst winds during an unusually severe thunderstorm damaged a large motel, slightly injuring one person. Winds peeled the roof of a motel, collapsed a wall, and caused other structural damage.</p>												
DORCHESTER COUNTY Summerville	15	1650EST			0	0	3	0					TSTM WINDS
SUMTER COUNTY Sumter	15	1730EST			0	0	4	0					TSTM WINDS & HAIL(0.75)
DARLINGTON COUNTY countywide Hartsville	15	1758EST			0	0	?	?					TSTM WINDS
	15	1800EST			0	1	3	0					TSTM WINDS
CHESTERFIELD COUNTY Chesterfield	15	1815EST			0	0	?	?					TSTM WINDS
HAMPTON COUNTY Hampton	15	1830EST			0	0	4	0					TSTM WINDS
MARLBORO COUNTY Wallace	15	1845EST			0	0	?	?					TSTM WINDS
	<p>An area of scattered severe thunderstorms developed in West-Central, Central, and Coastal South Carolina during the afternoon. The most extensive damage was in the vicinity of Lake Marion at and near Santee. Considerable wind damage also occurred in Sumter where winds blew down a wall to a baseball field. Also several 100 year old pecan trees were felled near Sumter. In Hartsville, winds blew top of dugout on a boy seriously injuring him.</p>												
FAIRFIELD COUNTY NE of Wimboboro Wimboboro	16	1030EST			0	0	0	0					FUNNEL CLOUD
	16	1130EST			0	0	3	0					TSTM WINDS
PICKENS COUNTY countywide	16	1400EST			0	0	?	?					FLASH FLOOD
DILLON COUNTY Dillon Latta	16	1434EST			0	0	?	?					HAIL(0.75)
	16	1445EST			0	0	?	?					HAIL(0.75)
AIKEN COUNTY countywide	16	1445EST			0	1	5	0					TSTM WINDS
HAMPTON COUNTY countywide	16	1500EST			0	0	?	?					TSTM WINDS
BAMBERG COUNTY SE Portions	16	1515EST			0	0	?	0					TSTM WINDS & HAIL(0.75)
BARNWELL COUNTY countywide	16	1530EST			0	0	5	0					TSTM WINDS
CLARENDON COUNTY S of Manning	16	1535EST			0	0	?	?					TSTM WINDS
LEXINGTON COUNTY Western part	16	1535EST			0	0	?	?					TSTM WINDS
ORANGEBURG COUNTY countywide	16	1540EST			0	0	5	0					TSTM WINDS
HAMPTON COUNTY countywide	16	1545EST			0	0	5	0					TSTM WINDS
LEXINGTON COUNTY Columbia Airport South Congaree West Columbia	16	1546EST			0	0	?	?					TSTM WINDS (G76)
	16	1550EST			0	0	?	?					TSTM WINDS
	16	1550EST			0	0	?	?					TSTM WINDS
NEWBERRY COUNTY countywide	16	1550EST			0	0	5	0					TSTM WINDS
ORANGEBURG COUNTY Branchville	16	1555EST			0	0	?	?					HAIL(0.75)

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

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					KILLED	INJURED	PROPERTY	CROPS	

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	

## SOUTH CAROLINA

RICHLAND COUNTY Irmo countywide NE portions	16 1556EST 16 1600EST 16 1600EST	0 0 ? ? 1 0 7 0 0 0 0 4	HAIL(1.0) TSM WINDS TORNADO(F0)
Thunderstorm winds blew a tree over onto a pickup truck killing a 62-year old man. M62V A small tornado touched down in a heavily wooded area and caused extensive tree damage along a short distance in the northeast part of the county.			
CALHOUN COUNTY St. Matthews	16 1603EST	0 0 ? ?	TSM WINDS & HAIL(0.75)
KERSHAW COUNTY Camden	16 1622EST	0 0 6 0	TSM WINDS
CHESTER COUNTY Great Falls Chester	16 1630EST 16 1630EST	0 0 5 0 0 0 4 0	TSM WINDS TSM WINDS
LANCASTER COUNTY Kershaw	16 1630EST	0 0 ? ?	TSM WINDS
FAIRFIELD COUNTY countywide	16 1640EST	0 0 5 0	TSM WINDS
CLARENDON COUNTY Fawville Turbeville New Zion	16 1640EST 16 1640EST 16 1640EST	0 0 ? ? 0 0 ? ? 0 0 ? ?	TSM WINDS TSM WINDS TSM WINDS
BAMBERG COUNTY Denmark	16 1645EST	0 0 6 0	LIGHTNING
DORCHESTER COUNTY Summerville	16 1645EST	0 0 4 0	TSM WINDS
SUMTER COUNTY Sumter	16 1650EST	0 0 ? ?	TSM WINDS
FLORENCE COUNTY Florence	16 1708EST	0 0 ? ?	TSM WINDS
CHESTERFIELD COUNTY Pageland	16 1720EST	0 0 4 0	TSM WINDS
DILLON COUNTY Latta	16 1720EST	0 0 ? ?	HAIL(0.75) & TSM WIND
MARION COUNTY countywide	16 1730EST	0 0 ? ?	TSM WINDS
MARLBORO COUNTY Bennettsville	16 1740EST	0 0 ? ?	TSM WINDS
LANCASTER COUNTY Southern portions 5 E Lancaster on SC Route 9	16 1800EST 16 1815EST	0 0 0 0 0 1 6 3	FUNNEL CLOUD TORNADO (F1)
A tornado developed five miles east of Lancaster and moved northeastward causing considerable damage. Three mobile homes were destroyed. It cut a path through large trees, and caused one injury. A funnel cloud was observed in southern Lancaster County before the tornado struck. There were 1400 power outages in Lancaster County.			
A low pressure area located over Alabama at 7AM EST on the 16th moved rapidly northeastward causing widespread thunderstorm activity in South Carolina during the afternoon and evening. The most severe thunderstorms were in central South Carolina where the most extensive power outages since 1979 occurred. About 70,000 homes were without electricity in the Columbia area; it required up to a week to restore service. The total damage from the storm in Richland and Lexington counties was estimated to be \$20 million. One person in a car in Columbia was crushed to death by a falling tree. At least one small tornado occurred in a remote wooded area near the Richland County-Kershaw County line in northeastern Richland County. Nine planes at McIntire Air Base in eastern Richland County were damaged, resulting in a loss estimate of 6.4 million dollars. In Kershaw County 7,000 homes were without power. In Aiken County trees and power lines were down throughout county. A roof was peeled at a large grocery store in Jackson and seriously injured an eight month old boy who stopped breathing for a short time. The area of thunderstorms continued to move north and east across the state. There was scattered wind damage throughout the north-central and northeastern part of the state during the late afternoon. A house was damaged by winds in Summerville. A large lumber company at Denmark was struck by lightning and burned. Flash flooding occurred on a small stream in Pickens County.			
CHARLESTON COUNTY Wadmalaw Island	18 1330EST	0 3 0 0	LIGHTNING
SALUDA COUNTY 3 N Traffic Circle	19 1240EST	0 0 ? ?	TSM WINDS
ANDERSON COUNTY W of Anderson	19 1430EST	0 0 4 0	LIGHTNING

## SOUTH CAROLINA

PICKENS COUNTY Pickens	19 1600EST	0 0 4 0	LIGHTNING
Lightning hit a courthouse-and damaged computers.			
GREENVILLE COUNTY Greenville	19 PM	0 0 ? ?	TSM WINDS
Thunderstorm winds downed trees and limbs onto power lines, disrupting electric service to 1,500 customers for several hours.			
RICHLAND COUNTY Irmo	19 1630EST	0 0 ? 0	HAIL(1.00)
Hail was reported in uptown Irmo.			
LEXINGTON COUNTY Irmo Batesburg Irmo	19 1634EST 19 1645EST 19 1720EST	0 0 ? ? 0 0 4 0 0 0 4 0	HAIL(1.75) URBAN FLOOD FLASH FLOOD
Several streets flooded in Batesburg. Flash flooding along Kinley Creek in Irmo affected several homes.			
KERSHAW COUNTY between Dekalb and Westville	19 1810EST	0 0 ? ?	HAIL(0.75)
GREENVILLE COUNTY 5 E Simpsonville E portions	20 1600EST 20 1630EST	0 1 ? 0 0 0 4 0	LIGHTNING TSM WINDS
SPARTANBURG COUNTY Lyman E of Lyman	20 1638EST 20 1658EST	0 0 ? ? 0 0 ? ?	HAIL(0.75) TSM WINDS & HAIL(0.75)
Boiling Springs NW portion of Co. Spartanburg S portion of Co.	20 1900EST 20 1900EST 20 2032EST 20 2032EST	0 0 4 0 0 0 4 0 0 0 5 ? 0 0 ? ?	FLASH FLOOD FLASH FLOOD FLASH FLOOD FLASH FLOOD
CHESTER COUNTY Chester	20 P.M.	0 1 4 0	TSM WINDS
Thunderstorms which developed late in the afternoon caused a few reports of severe weather. In eastern Greenville County a mobile home was blown off its foundation and several trees were blown down. Lightning struck and seriously injured a young boy near Simpsonville while he was in the kitchen. The thunderstorms continued to develop and repeatedly moved over the same areas for several hours. This resulted in flash flooding in Spartanburg County and near flooding conditions in Greenville County. Several creeks overflowed in and near Spartanburg. A number of cars were damaged when they were caught in flood waters or were driven into flooded areas. Highway 221 south of the city was flooded and the Enoree River flooded Highway 92 in extreme southern Spartanburg County. Small hail was reported in northern Spartanburg County. A tree felled during a thunderstorm crushed a UPS truck in Chester, injuring the driver.			
ABBEVILLE COUNTY Abbeville	21 1330EST	0 1 0 0	LIGHTNING
An 11 year old boy was struck by lightning while climbing over a fence.			
OCONEE COUNTY West Union	21 2100EST	0 0 4 0	FLASH FLOOD
Water covered roads in portions of Oconee County causing some damage.			
LEXINGTON COUNTY 3 SW Columbia Airport	22 1545EST	0 0 ? ?	HAIL(0.75)
ORANGEBURG COUNTY North	22 p.m.	0 0 4 0	LIGHTNING
Lightning burned a mobile home in North.			
BEAUFORT COUNTY off Hilton Head Is.	23 0800EST	0 0 0 0	WATERSPOUTS
Five waterspouts were sighted off Hilton Head Island between 0800 and 0830EST.			
CHARLESTON COUNTY North Charleston	24 1500EST	0 0 3 ?	Lightning
BEAUFORT COUNTY Lady's Island	29 0900EST	0 0 4 0	LIGHTNING
Lightning damaged a home on Lady's Island.			
CHARLESTON COUNTY Charleston	29 P.M.	0 0 ? 0	URBAN FLOOD & LIGHTNING
Street flooding stopped traffic. Lightning disrupted power to 2000 customers.			

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					KILLED	INJURED	PROPERTY	CROPS	
<b>39 SOUTH DAKOTA</b>									
McCook County, Salem	02	1755 CST			0	0	0	0	Hail (1.00)
McCook County, 7NE Salem	02	1756 CST 1835 CST			0	0	0	0	Funnel TSTM Wind (52)
Meade County, Ellsworth AFB	16	1830 MST			0	0	0	0	Hail (1.00)
Lawrence County, Spearfish	16	1845 MST			0	0	0	0	TSTM Wind (52)
Pennington Co., Rochford	16	1848 MST			0	0	0	0	TSTM Winds (52)
Pennington Co., 10W Rapid City	16	1900 MST			0	0	0	0	Hail (1.75)
Meade County, Opal	16	1900 MST	1	50	0	4	5	0	Tornado (F1)
					This tornado produced considerable damage in and around Opal. Many homes and businesses including the public school sustained structural damage. A trailer house northeast of town was destroyed injuring four of its occupants. Some motor vehicles also sustained damage.				
Meade County, Ellsworth AFB	16	1920 MST			0	0	0	0	TSTM Wind (62)
Pennington Co., Rapid City	16	1924 MST			0	0	0	0	TSTM Wind (56)
Meade County, 18W Faith	16	1950 MST			0	0	0	0	Funnel
Tripp County, Tripp	19	2250 CST			0	0	0	0	TSTM Wind (52)
Jones County, Pierre	20	0210 CST			0	0	4	0	TSTM Wind (53)
					Commercial aircraft received minor damage. This thunderstorm also produced a "hot flash" weather phenomenon in Pierre. The temperature at 2 a.m. CST was 104 degrees rising from 96 degrees at 1 a.m. CST and 86 degrees at midnight CST.				
Aurora County, White Lake	20	1900 CST			0	0	0	0	Hail (.75) TSTM Wind
Davison County, Mitchell	20	1943 CST			0	0	0	3	TSTM Wind (57)
Minnehaha County, Hartford	20	2145 CST			0	0	0	0	Hail (1.75)
Dav County, Webster	20	2221 CST			0	0	0	0	TSTM Wind (56)
Kingsbury County, 3N 1W De Smet	20	2230 CST			0	0	4	0	TSTM Wind
					Thunderstorm winds damaged farm buildings in the area.				
Shannon County, Pine Ridge	25	1722 MST			0	0	0	0	Hail (2.75)
Meade County, 45 NE Rapid City	25	1730 MST			0	0	3	0	TSTM Wind (57)
					Thunderstorm winds damaged a home.				
Miner County, Howard	26	0200 CST			0	0	4	0	Lightning
					The main portion of a church was gutted by fire caused by lightning.				
Corson County, McLaughlin	27	1650 CST			0	0	0	0	Hail (.75)
Hughes County, 6 S Harrold	27	1715 CST			0	0	0	0	Hail (1.50)
Brown County: Frederick	27	1733 CST			0	0	0	0	Hail (1.75)
Frederick	27	1744 CST			0	0	0	0	Hail (1.00)
Faulk County, Orient	27	1810 CST			0	0	0	0	Hail (2.00)
Brown County, 6 W 15 Broton	27	1820 CST			0	0	0	0	Hail (1.75)
Hand County, 17 W Tulare	27	1915 CST			0	0	4	0	Hail (1.50)
					Hail accumulated to a depth of 6 inches and caused damage to vehicles and roofs.				
Brown County, 10 E Aberdeen	27	1935 CST			0	0	0	0	Hail (1.75)
<b>— SOUTH DAKOTA</b>									
Walworth County, Mobridge	28	1920 CST			0	0	0	0	TSTM Wind (55)
Campbell County, Mound City	28	1920 CST			0	0	0	0	Hail (1.75)
<b>40 TENNESSEE</b>									
HAWKINS COUNTY	02	1115CST			0	0	0	0	THUNDERSTORM WIND
					Several trees were knocked down by damaging thunderstorm wind in the Mt. Carmel and Church Hill areas.				
WASHINGTON COUNTY	02	1215CST			0	0	4	0	THUNDERSTORM WIND
SULLIVAN COUNTY	02	1225CST			0	0	1	0	THUNDERSTORM WIND
					Damaging thunderstorm wind knocked down numerous trees in several places throughout these counties. In Johnson City a large tree was blown down, falling on a car and house and doing extensive damage. The storms lasted in this area for nearly an hour.				
SHELBY COUNTY	02	1745CST			0	0	0	0	HAIL (0.75)
					A severe thunderstorm produced 3/4 inch hail in the Raleigh area of northern Shelby County.				
SHELBY COUNTY	04	1825CST			0	0	0	0	HAIL (1.75)
SHELBY COUNTY	04	1830CST			0	0	4	0	THUNDERSTORM WIND
SHELBY COUNTY	04	1830to 1844CST	7.0	100	0	0	5	0	TORNADO (F2)
SHELBY COUNTY	04	1900CST			0	0	3	0	THUNDERSTORM WIND
SHELBY COUNTY	04	1900to 1905CST	2.5	50	0	0	4	0	TORNADO (F1)
					Severe thunderstorms developed near the Mississippi River and moved northeast through the northern part of Shelby County. There was wind damage to several areas. Some trees were knocked down in Millington and in the Raleigh area. At 7:30PM CDT a tornado touched down in the Millington area between Robertson Road and Fite Road. It traveled northeast across Highway 51 in the Woodstock area, and across Lucy, Pleasant Ridge and Big Creek Church roads before lifting up. Another tornado touched down in the Millington area at 8PM CDT near Chase Road and Highway 51. It moved northeast across Crenshaw and Big Creek Church Road then lifted up.				
FAYETTE COUNTY	04	1915to 1917CST	0.9	17	0	0	2	0	TORNADO (F0)
.5 W Brandon					The tornado first touched down 1/2 mile west of Braden, traveled northeast to about 1 mile north of Braden before lifting. Damage was to trees and tree tops.				
HAYWOOD COUNTY	04	1945to 1948CST	1.5	35	0	2	3	0	TORNADO (F1)
2.5 S Stanton					A tornado touched down in an open field about 2.5 miles south of Stanton and moved northeast, knocking down trees and a power line. It crossed Camp Ground road, knocking a large tree on a house and throwing a washing machine into an open field, then lifted up about 1.5 miles southeast of Stanton. An elderly couple were slightly injured and were trapped in the home until rescue workers could free them.				
SHELBY COUNTY	04	2000CST			0	0	1	0	THUNDERSTORM WIND
					Damaging thunderstorm wind knocked down trees in Shelby Forest in northwest Shelby County.				
TIPTON COUNTY	04	2005to 2007CST	0.9	17	0	0	2	0	TORNADO (F0)
9.5 SW Munford					A tornado touched down briefly in the southwest part of Tipton County, just northeast of Shelby Forest. Witnesses said that it first touched down just west of Ray Bluff Road, about 9.5 miles southwest of Munford. It traveled northeast, crossing Ray Bluff Road, then lifted up about 8.5 miles southwest of Munford. The tornado uprooted trees along its path.				

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE	CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS		
<b>— TENNESSEE</b>										
DYER COUNTY .5 SE Heloise	11	1710to 1712CST	0.9	18	0	0	2	0		TORNADO (F0)
DYER COUNTY	11	1730CST			0	0	4	0		THUNDERSTORM WIND
	<p>A tornado touched down briefly in western Dyer County near the Mississippi River. It first touched down about 1/2 mile southeast of Heloise and moved northeast for nearly a mile before lifting up approximately 1 mile east of Heloise. It knocked down a few trees. Severe thunderstorms did spotty damage throughout the northern 2/3 of Dyer County. A house on Highway 104 West had its roof torn off. A mobile home was damaged in the Tar Hill Road area. Both incidents were located near Dyersburg. Numerous trees and power lines were downed by the storms in Bogota, Millsfield, Lenox and Jenkinsville areas.</p>									
FAYETTE COUNTY	11	1924CST			0	0	0	0		FUNNEL CLOUD
FAYETTE COUNTY 3.5 SE Somerville	11	1936to 1938CST	1.0	50	0	0	4	0		TORNADO (F1)
	<p>At 824PM CDT a storm spotter saw a funnel cloud along McKinstry Road about 1 mile northwest of Moscow. A tornado touched down briefly in east-central Fayette County. The tornado first touched down about 3 1/2 miles southeast of Somerville, just east of Jernigan Drive and moved northeast, crossing Lester Road and Club Road. Most of the damage was along Lester Road. Numerous trees were downed, a barn made of tin was destroyed as well as a tin shed, and a house trailer was lifted from its foundation with the rear tie downs being broken.</p>									
SUMNER COUNTY	12	1300CST			0	0	2	0		THUNDERSTORM WIND
MONTGOMERY COUNTY	12	1330CST			0	0	2	0		THUNDERSTORM WIND
FRANKLIN COUNTY	12	1530CST			0	0	3	0		THUNDERSTORM WIND
ROBERTSON COUNTY	12	1600CST			0	0	3	0		THUNDERSTORM WIND
	<p>Damaging thunderstorm wind knocked down numerous trees throughout these counties. The hardest hit areas were near Decherd, in Franklin County, where a portion of the roof covering lumber at a local business was torn off and blown into a field about 300 feet away. A barn was destroyed along Tennessee Highway 49, just west of Springfield in Robertson County.</p>									
LAURERDALE COUNTY	12	1605CST			0	0	3	0		THUNDERSTORM WIND
	<p>A few trees were knocked down and a vacant house trailer was overturned and destroyed.</p>									
MCMINN COUNTY	12	1630CST			0	0	2	0		THUNDERSTORM WIND
	<p>Damaging thunderstorm winds knocked down trees, power lines and poles in the Piney Grove and South Liberty areas.</p>									
CROCKETT COUNTY	12	1806CST			0	0	1	0		HAIL (0.75)
	<p>A severe thunderstorm produced large hail in the Friendship area.</p>									
KNOX COUNTY	12	1900CST			0	0	2	0		THUNDERSTORM WIND
	<p>Damaging thunderstorm wind knocked down trees, power lines and a billboard, as well as damaging several buildings in the Knoxville area.</p>									
GREENE COUNTY	12	1908CST			0	0	3	0		THUNDERSTORM WIND
	<p>Damaging thunderstorm wind did scattered damage throughout the county. Mostly trees, power lines and phone lines were knocked down. The roof was ripped off of a barn in the Nolachucky area 4 miles south of Greeneville.</p>									
POLK COUNTY	12	1915CST			0	0	1	0		THUNDERSTORM WIND
	<p>A severe thunderstorm knocked down numerous trees and power lines throughout the county.</p>									
GRAINGER COUNTY	12	1915CST			0	0	3	0		THUNDERSTORM WIND
	<p>Damaging thunderstorm wind knocked down numerous trees and power lines throughout the county. Trees fell on at least one house in Blaine, including all of the trees in the backyard of the house.</p>									
SULLIVAN COUNTY	12	1945CST			0	0	3	0		THUNDERSTORM WIND
	<p>Damaging thunderstorm wind knocked down and broke a number of large trees and power lines in the county. In Kingsport, two large trees fell on a house when they were pushed over by high winds.</p>									
FAYETTE COUNTY	12	2007CST			0	0	1	0		THUNDERSTORM WIND
HARDEMAN COUNTY	12	2030CST			0	0	3	0		THUNDERSTORM WIND
FAYETTE COUNTY	12	2045CST			0	0	1	0		THUNDERSTORM WIND
HARDEMAN COUNTY	12	2045CST			0	0	1	0		THUNDERSTORM WIND
	<p>Severe thunderstorms produced damaging winds throughout these two counties. Damage was mostly to trees and power lines which were knocked down.</p>									
ROANE COUNTY	15	1530CST			0	0	5	0		FLASH FLOOD
	<p>Thunderstorms produced very heavy rain in the Rockwood area, causing the already swollen Black Creek to overflow its banks. Water flooded streets, got into homes and businesses and caused the evacuation of a number of Rockwood City residents.</p>									
<b>— TENNESSEE</b>										
MORGAN COUNTY	15	1830CST			0	0	3	0		FLASH FLOOD
CAMPBELL COUNTY	15	1830CST			0	0	4	0		FLASH FLOOD
	<p>Heavy rains caused widespread flash flooding across these two counties. The hardest hit areas were Jellico and Newcomb, where the Elk Fork Creek and the Little Elk overflowed. Several families in the Newcomb area were evacuated. Flood waters began to go back down about 430am EDT Friday morning.</p>									
CARTER COUNTY 2 NW Elizabethton	16	1400to 1402CST	1.0	30	0	0	4	0		TORNADO (F1)
	<p>A tornado touched down briefly about two miles northwest of Elizabethton, near the intersection of Old Watauga and Reynolds Roads. It traveled northeast for about a mile before lifting up. It took part of the roof off of one residence, damaged the brick siding and tore the patio roof off. It uprooted several large trees as well.</p>									
ROBERTSON COUNTY	18	1803CST			0	0	2	0		THUNDERSTORM WIND HAIL(1.75)
	<p>A severe thunderstorm hit the Springfield area with damaging winds that knocked down trees and power lines, and hail of golfball size.</p>									
WILLIAMSON COUNTY	19	0500CST			0	0	2	0		URBAN FLOOD
DAVIDSON COUNTY	19	0500CST			0	0	3	0		URBAN FLOOD
RUTHERFORD COUNTY	19	0530CST			0	0	2	0		URBAN FLOOD
	<p>Heavy rains caused poor drainage areas and low-lying areas to flood. Several feet of water was in some yards along Barrywood Road in Davidson Co. At least one home got water inside. Most of the flooding occurred from south of Nashville to just north of Murfreesboro.</p>									
RHEA COUNTY	20	0100CST			0	0	6	0		FLASH FLOOD
MEIGS COUNTY	20	0100CST			0	0	3	0		FLASH FLOOD
MCMINN COUNTY	20	0100CST			0	0	3	0		FLASH FLOOD
	<p>Widespread flash flooding caused about 150 people to be evacuated from their houses; numerous roads and several bridges were washed out. Spring City was sepecially hard hit as the rampaging Piney Creek forced the evacuation of about 50 people. Numerous businesses and homes were flooded.</p>									
ROANE COUNTY	20	0200CST			0	0	3	0		URBAN FLOOD
	<p>More than three inches of rain in 24 hours caused flooding in a number of places. The worst flooding was in the Harriman and Rockwood areas where low-lying and poor drainage areas had several feet of water in them.</p>									
WARREN COUNTY	22	0600CST			0	0	4	0		FLASH FLOOD
	<p>Heavy rains caused widespread flash flooding in the northern and western parts of the county. One couple had to be rescued from their flooded trailer in the Old Daylight community. A number of motorists had to be rescued from their stalled vehicles in Centertown. At least 14 cows and calves were swept away by high water from the Centertown Cattle Farm.</p>									
MAURY COUNTY	27	1330CST			0	0	3	0		FLASH FLOOD
	<p>Thunderstorms produced very heavy rain for two to three hours, causing flash flooding. In Columbia water was 3 feet deep in the streets and at least a dozen automobiles were stranded in the flood waters.</p>									
<b>41 TEXAS, Northern</b>										
North Central Texas	<p>01-14 Above normal rainfall during May and the first part of June kept many rivers in North Central Texas above flood stage. Several fatalities occurred on these rivers:</p> <p>A twenty-two year old male drowned on the swollen Trinity River in Fort Worth on June 4th when his raft was overturned by rapid currents. Another twenty-two year old male drowned on June 8th also in the Trinity River in Fort Worth. It remains unclear how he was swept into the river. Also, an eighteen year old male drowned on June 12th while rafting on Marys Creek near Lake Benbrook in Fort Worth. (M220, M220, M180)</p> <p>A thirteen year old male and his nine year old brother drowned while playing near Ranner Creek in Dallas. (M130, M90)</p>									



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

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					KILLED	INJURED	PROPERTY	CROPS	
<b>TEXAS, Northern</b>									
Dallas County DFW Airport Collin County: 3 E Plano Plano Allen	02	1951CST			0	0	?	?	TSIM Wind (50)
	02	2000CST			0	0	?	?	TSIM Wind (52)
	02	2000CST			0	0	?	?	TSIM Wind
	02	2010CST			0	0	?	?	TSIM Wind (56)
	A downburst uprooted a tree in northwest Plano at 2000CST.								
Taylor County: Tuscola Shep	02	2156CST			0	0	?	?	Hail (0.88)
	02	2200CST			0	0	?	?	Hail (0.75)
Jones County 6 S Nugent	03	0100CST			0	0	?	?	TSIM Wind
	Strong winds tore the roof off a carport at Lake Fort Phantom Hill (6 S Nugent).								
Callahan County Baird	03	0145CST			0	0	?	?	TSIM Wind
	Strong winds blew down several large trees at Baird.								
Shackelford County Albany	03	0150CST			0	0	?	?	TSIM Wind
	Strong winds blew down several trees and fences at Albany.								
Eastland County Ranger	03	0230CST			0	0	?	?	TSIM Wind
	Several signs were blown over and a railroad crossing light broken off by strong winds at Ranger.								
Comanche County Comanche	03	0250CST			0	0	?	?	TSIM Wind
	Strong winds blew down power lines in Comanche.								
Hardeman County 10 NW Quannah	03	2145CST			0	0	?	?	Hail (4.50) and TSIM Wind
	Softball size hail broke windows and strong winds blew down power lines at North Groesbeck (10 NW Quannah).								
Foard County Thalia	03	2200CST			0	0	?	?	Hail (1.00)
Wilbarger County: Vernon Oklamoon	03	2221CST			0	0	?	?	Hail (0.75)
	03	2230CST			0	0	?	?	Hail (0.88)
Wichita County: Electra 5 NW Burdumett Iowa Park Burdumett 2 W Burdumett 2 SW Wichita Falls	03	2252CST			0	0	?	?	TSIM Wind
	03	2310CST			0	0	?	?	TSIM Wind (61)
	03	2319CST			0	0	?	?	Hail (0.75)
	03	2322CST			0	0	?	?	Hail (0.88)
	03	2335CST			0	0	?	?	Hail (1.75)
	03	2346CST			0	0	?	?	Hail (0.88)
	Downbursts tore the roof off a mobile home, damaged the roof of a junior high school, and uprooted numerous trees at Electra.								
Lamar County Faught	03	2334CST			0	0	?	?	Hail (2.00)
Eastland County Cisco	04	0000CST			0	0	?	?	TSIM Wind
	Strong winds damaged the roofs of homes in Cisco.								
Wood County: East Point 3 E Wimsboro	04	0010CST			0	0	?	?	TSIM Wind (56)
	04	0145CST			1	0	?	?	Lightning
	Three homes were struck by lightning 3 E of Wimsboro resulting in one fatality.								
Grayson County: Sherman Howe Van Alstyne Whitesboro	04	0020CST			0	0	?	?	TSIM Wind
	04	0040CST			0	0	?	?	TSIM Wind
	04	0200CST			0	0	?	?	TSIM Wind
	04	0500CST- 0800CST			0	0	4	?	Flash Flooding
Gunter	04	0500CST- 0800CST			0	0	?	?	Flash Flooding
	Several trees were blown down onto power lines in Sherman resulting in widespread power outages. At Howe, the tin roof was blown off a building. Strong winds at Van Alstyne damaged roofs, blew down awnings and power lines, and uprooted numerous trees. Up to 6 inches of rain fell in Grayson County flooding numerous low water crossings in the county. In Whitesboro, high water did \$30,000 damage to city streets. Tin Horn Bridge at Gunter was washed away by high water.								
Collin County: 1 W Celina Lavon Nevada	04	0035CST			0	0	?	?	TSIM Wind
	04	0200CST			0	0	?	?	TSIM Wind (52)
	04	0230CST			0	0	?	?	TSIM Wind (52)
	Strong winds damaged a barn and blew down trees and fence posts near Celina.								
Wise County: Decatur Newark	04	0120CST			0	0	?	?	TSIM Wind (52)
	04	0140CST			0	0	?	?	TSIM Wind (57)
Fannin County: Bonham Leonard Bonham	04	0130CST			0	0	?	?	TSIM Wind
	04	0150CST			0	0	?	?	TSIM Wind
	04	0430CST- 1330CST			0	0	?	?	Flash Flooding
<b>TEXAS, Northern</b>									
	Strong winds destroyed a camper trailer at Bonham. Two power poles were blown onto the stockyards building at Bonham damaging the roof. Trees were uprooted and power lines blown down at Leonard. Rainfall of up to 6.25 inches at Bonham flooded several homes. Bois D'Ark Creek overflowed its banks and several cars were swept into the creek as they tried to cross it on U.S. Highway 82 just north of Bonham. U.S. Highway 82 was closed by the high water at Bonham and Farm Road 271 was closed southeast of Bonham.								
Denton County: Sanger Roanoke Denton Erath County Stephenville	04	0135CST			0	0	?	?	TSIM Wind (61)
	04	0145CST			0	0	?	?	TSIM Wind (52)
	04	0210CST			0	0	?	?	TSIM Wind (65)
	04	0230CST			0	0	?	?	TSIM Wind
	Strong winds blew down several large trees in Stephenville.								
Hunt County 2 N Commerce	04	0250CST			0	0	?	?	TSIM Wind
	Strong winds blew the roofs off several homes and knocked down trees and power lines two miles north of Commerce.								
Delta County Klondike	04	0325CST			0	0	?	?	TSIM Wind
	Strong winds heavily damaged two 90 foot grain silos at Klondike.								
Lamar County: Deport Paris	04	0330CST- 0430CST			0	0	?	?	Flash Flooding
	04	0600CST- 1330CST			0	0	?	?	Flash Flooding
Red River County Bogata	04	0330CST- 0530CST			0	0	?	?	Flash Flooding
	Heavy rainfall flooded U.S. Highway 271 in and around Deport and Farm Road 909 in and around Bogata. Three roads were closed by high water in Paris and U.S. Highway 271 was closed just south of Paris by high water.								
Hopkins County: 16 NE Sulphur Springs Nelita Sulphur Springs Sulphur Bluff	04	0332CST			0	0	?	?	TSIM Wind
	04	0345CST			0	0	?	?	TSIM Wind
	04	0345CST			0	0	?	?	Lightning
	04	0350CST			0	0	?	?	TSIM Wind
	Strong winds uprooted several trees 16 miles northeast of Sulphur Springs. An outdoor shed and barn were destroyed by strong winds and a trailer home was severely damaged at Nelita. A restaurant was destroyed by fire after being struck by lightning in Sulphur Springs. A shed and several buildings were damaged by the wind and numerous trees were downed at Sulphur Bluff.								
Taylor County Abilene	04	0333CST			0	0	?	?	TSIM Wind (54)
	Winds gusted to 62 MPH at the Abilene WSO. Trees and patio covers were damaged by the wind in Abilene and a grain elevator was blown down destroying a vehicle.								
Jones County 6 S Nugent	04	0334CST			0	0	?	?	TSIM Wind
	A large tree was blown on top of a boat shed and pier on the northeast side of Ft. Phantom Lake (6 S Nugent).								
Delta County 8 W Cooper	04	0345CST			0	0	?	?	TSIM Wind
	The roofs were blown off two homes and trees were uprooted by strong winds 8 miles west of Cooper.								
Throckmorton County Woodson	04	0400CST			0	0	?	?	TSIM Wind
	An oil tank battery was damaged by strong winds at Woodson.								
Callahan County: Baird 2 S Dudley	04	0415CST			0	0	?	?	TSIM Wind
	04	0430CST			0	0	?	?	TSIM Wind
	Numerous highway signs, trees and small sheds were blown down or heavily damaged in Baird. Several large trees were blown down 2 miles south of Dudley.								
Franklin County: Hagensport Mount Vernon	04	0415CST			0	0	?	?	TSIM Wind
	04	0420CST			0	0	?	?	TSIM Wind
	Strong winds damaged the roofs of homes and overturned a trailer at Hagensport. The roofs of homes were also damaged in Mount Vernon.								
Eastland County: Cisco Rising Star	04	0435CST			0	0	?	?	TSIM Wind
	04	0453CST			0	0	?	?	TSIM Wind (52)
	Strong winds blew down power lines at Cisco.								

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					KILLED	INJURED	PROPERTY	CROPS	

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	

## — TEXAS, Northern

<b>Brown County:</b>									
May	04	0500CST			0	0	?	?	TSTM Wind (52)
Lake Brownwood	04	0500CST			0	0	?	?	TSTM Wind
Winds were estimated at 60 MPH near May. The roofs of several homes were damaged by the strong winds at Lake Brownwood.									
<b>Coleman County</b>									
Burkett	04	0500CST			0	0	?	?	TSTM Wind
Strong winds blew down several trees at Burkett.									
<b>Bowie County</b>									
New Boston	04	0600CST-0800CST			0	0	?	?	Flash Flooding
Heavy rains flooded and closed streets and roads in and around New Boston.									
<b>Tarrant County</b>									
Fort Worth	04	0615CST			0	0	?	?	TSTM Wind
Strong winds blew down street signs in Fort Worth.									
<b>Harrison County:</b>									
Scottsville	04	2050CST			0	0	?	?	Hail (1.00)
5 SW Waskon	04	2115CST			0	0	?	?	Hail (1.75)
<b>Rusk County:</b>									
Concord	04	2150CST			0	0	?	?	Hail (1.00)
Henderson	04	2155CST			0	0	?	?	TSTM Wind
Concord	05	0010CST			0	0	?	?	Hail (1.75)
A 20 year old tree was blown down on Main Street in Henderson.									
<b>Panola County:</b>									
Lake Murvaul	04	2235CST			0	0	?	?	Hail (0.88)
Lake Murvaul	05	0005CST			0	0	?	?	Hail (0.88)
Anderson County	04	2325CST			0	0	?	?	TSTM Wind
Palestine	Strong winds blew down trees in and around Palestine.								
<b>Harrison County</b>									
Cross Roads	04	2330CST			0	0	?	?	Hail (1.00)
<b>Rusk, Panola and Harrison Counties</b>									
	05	0000CST-0400CST			0	0	?	?	Flash Flooding
Heavy rainfall resulted in the flooding of streets and highways in Rusk, Panola and Harrison counties. Rainfall was measured at 7.01 inches at New London, 6.33 inches at Henderson, and 5.50 inches at Tatum, all in Rusk County. Several businesses were flooded in the eastern part of Henderson. Twelve apartment units were also flooded in Henderson with 4 to 5 feet of water. Portions of Farm to Market Road 840 were washed out in Rusk County.									
<b>Jones County:</b>									
Noodle	06	1835CST			0	0	?	?	Hail (2.75) and TSTM Wind
Hodges	06	1839CST			0	0	?	?	Hail (1.75) and TSTM Wind
Baseball hail and strong winds damaged fences and trees at Noodle. Several trailers were extensively damaged by strong winds at Hodges along with outbuildings and barns.									
<b>Taylor County:</b>									
Abilene	06	1854CST			0	0	?	?	TSTM Wind (55)
Abilene	06	1855CST			0	0	?	?	TSTM Wind
Winds gusted to 63 MPH at the Abilene WSO. Trees were blown onto power lines in Abilene and the roofs blown off two businesses.									
<b>Coleman County:</b>									
Novice	06	1947CST			0	0	?	?	Hail (2.75)
Glen Cove	06	1947CST			0	0	?	?	Hail (4.50)
Coleman	06	2030CST			0	0	?	?	Hail (1.75)
Coleman	06	2100CST			0	0	?	?	Hail (1.75)
Golfball hail damaged automobiles and broke windows out of cars and homes in the Thrickham-Wbon area of Coleman.									
<b>Brath County</b>									
Hackabay	06	2236CST			0	0	?	?	Hail (1.75)
<b>Wichita County:</b>									
Burkumett	07	0201CST			0	0	?	?	Hail (1.75)
Iowa Park	07	0208CST			0	0	?	?	Hail (0.75)
Wichita Falls	07	0215CST			0	0	?	?	TSTM Wind (54)
Wichita Falls	07	0218CST			0	0	?	?	Hail (0.75)
Iowa Park	07	0247CST			0	0	?	?	Hail (0.75)
Wichita Falls	07	0300CST-0500CST			0	0	?	?	Flash Flooding
Winds gusted to 62 MPH at the Wichita Falls WSO. Heavy rainfall flooded streets and highways throughout Wichita Falls, stranding motorists. A few apartments were evacuated due to high water.									

## — TEXAS, Northern

<b>Clay County:</b>									
Byers	07	0221CST			0	0	?	?	Hail (0.75)
10 E Wichita Falls	07	0225CST			0	0	?	?	Hail (1.00)
Henrietta	07	0237CST			0	0	?	?	Hail (1.00)
<b>Wise County:</b>									
Chico	07	0345CST			0	0	?	?	Hail (2.75) and TSTM Wind
Bridgeport	07	0345CST			0	0	?	?	Hail (2.75) and TSTM Wind
Decatur	07	0400CST			0	0	?	?	TSTM Wind (52)
Newark	07	0407CST			0	0	?	?	Hail (0.75)
Rhame	07	0415CST			0	0	?	?	Hail (1.75)
Hail up to baseball size fell at Chico and Bridgeport. Numerous power lines were blown down over Wise County, with strong winds blowing out the windows of businesses and mobile homes at Chico and Bridgeport. Wind gusts of 60 MPH were estimated at Decatur.									
<b>Tarrant County:</b>									
Azle	07	0420CST			0	0	?	?	Hail (1.00) and TSTM Wind
Carswell AFB	07	0425CST			0	0	?	?	Hail (1.50) and TSTM Wind (55)
Watauga	07	0440CST			0	0	?	?	Hail (1.00)
Halton City	07	0441CST			0	0	?	?	Hail (1.75)
Fort Worth	07	0445CST			0	0	?	?	Hail (1.00)
Benbrook	07	0511CST			0	0	?	?	Hail (0.75)
White Settlement	07	0520CST			0	0	?	?	TSTM Wind
Burleson	07	0534CST			0	0	?	?	TSTM Wind
Mansfield	07	0545CST			0	0	?	?	TSTM Wind
Fort Worth	07	0450CST-0730CST			0	0	?	?	Flash Flooding
Arlington	07	0450CST-0730CST			0	0	?	?	Flash Flooding
Halton City	07	0525CST-0730CST			0	0	?	?	Flash Flooding
In Tarrant County, numerous reports of hail ranging in size from dime to golf ball fell over a large portion of the county. Strong winds blew down trees at Azle and White Settlement while several power lines were downed in Burleson. A downburst heavily damaged two homes in Mansfield. Several streets in northern Tarrant County had high water up to several feet in depth. A few homes were flooded in Fort Worth while motorists were stranded in two automobiles in Halton City. Flood waters in excess of three feet also damaged some parked cars in Arlington.									
<b>Parker County:</b>									
Springtown	07	0422CST			0	0	?	?	Hail (0.75)
Poolville	07	0425CST			0	0	?	?	Hail (1.00)
Weatherford	07	0430CST			0	0	?	?	TSTM Wind (61)
Dennis	07	0435CST			0	0	?	?	TSTM Wind
Downburst winds estimated at 70 MPH tore a carport off and blew down a 50 foot radio tower at the Parker County Fire Station in Weatherford. Other downbursts blew down power lines in southwest Weatherford and lifted one mobile home off its foundation at Dennis. Strong winds uprooted several trees throughout Parker County. High water over roadways forced the closing of U.S. Highway 51, U.S. Highway 199, U.S. Highway 920, secondary roads between Millsap and Greenwood Cutoff Road and all roads east of Union and west of Central.									
<b>Denton County:</b>									
Roanoke	07	0443CST			0	0	?	?	Hail (1.75)
Srn. Denton Co.	07	0500CST-0730CST			0	0	?	?	Flash Flooding
Heavy rainfall resulted in numerous high water problems over mainly southern Denton County. A van and a car were submerged at I-35 East in Lewisville while several homes were flooded up to two feet in depth along the swollen Timber and Prairie creeks and along Stanley Street in Denton. High water prohibited driving throughout much of Flower Mound (14 S of Denton) and resulted in the closing of U.S. Highway 377 at State Highway 114, Farm to Market Road 407 between U.S. Highway 377 and Interstate 35 East, and U.S. Highway 380 west of Denton. Two boys canoeing on the swollen Timber Creek were capsized and rescued; neither was injured.									
<b>Palo Pinto County:</b>									
2 SE Mineral Wells	07	0450CST			0	0	?	?	TSTM Wind (90)
Mineral Wells	07	0450CST			0	1	?	?	TSTM Wind
Strawn	07	0525CST			0	0	?	?	Hail (0.75)
Very strong winds with gusts to 104 MPH at the Mineral Wells Airport overturned three mobile homes, uprooted dozens of trees, blew down several utility poles, and damaged several homes in Mineral Wells. Flying debris injured one person.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INURED	PROPERTY	CROPS	
<b>TEXAS, Northern</b>									
Dallas County: Grand Prairie Dallas Wm. Dallas Co.	07	0514CST 0525CST 0530CST-0730CST			0	0	?	?	Hail (1.75) Hail (0.75) Flash Flooding
One home was flooded along Five Mile Creek in Oak Cliff while high water flooded several cars in Grand Prairie and Irving. High water over the roadway forced the closing of Belt Line Road.									
Johnson County: Cleburne Burleson Alvarado	07	0520CST 0534CST 0555CST			0	0	?	?	TSTM Wind TSTM Wind TSTM Wind (52)
A downburst destroyed one mobile home, ripped off roof shingles and damaged several homes, buildings, and portable sheds at Cleburne. Strong winds, clocked at 60 MPH in Alvarado, blew down power lines in the Burleson area.									
Ellis County: Midlothian Red Oak Boz Palmer Ernis Red Oak	07	0525CST 0535CST 0535CST 0545CST 0550CST 0615CST			0	0	?	?	TSTM Wind TSTM Wind TSTM Wind TSTM Wind TSTM Wind TSTM Wind
Downburst winds blew down several trees and fences in Midlothian, Red Oak, and Palmer. Other downbursts blew the roof off of a barn at Boz, snapped light poles, blew down power lines, and damaged a travel-trailer truck and a half-completed garage in Palmer. A mobile home was overturned by strong winds at both Red Oak and Ernis.									
Hood County: 2 E Granbury 8 SE Tolar	07	0614CST-0618CST 0625CST	Short Narrow	0	0	?	?	Tornado (F1) TSTM Wind	
A tornado touched down at Eastwood Village on U.S. 377, 2 E of Granbury. Several businesses sustained roof damage, and one large metal storage building was lifted approximately 75 yards before landing and heavily damaging two homes. Strong winds also blew down fences, trees, and power lines, bent a couple of radio antennas and damaged the roofs of several homes and storage buildings 2 E Granbury and 8 SE Tolar.									
Somervell County: Glen Rose 5 N Glen Rose	07	0625CST 0625CST			0	0	?	?	TSTM Wind TSTM Wind
Strong winds blew down power lines at Glen Rose. Numerous trees and fences were also blown down along the shores of Squaw Creek Reservoir (5 N Glen Rose) where damage to roofs of several homes and storage buildings was also done.									
Erath County 5 SE Stephenville	07	0640CST			0	0	?	?	TSTM Wind (52)
Strong winds of 60 MPH were observed at the Stephenville WSO.									
Bosque County: Walnut Springs Meridian 2 N Meridian	07	0655CST 0706CST 0705CST			0	0	?	?	Hail (1.00) Hail (1.00) Hail (0.75) and TSTM Wind
Norse Meridian	07	0718CST 0720CST			0	0	?	?	Hail (2.75) Hail (1.00) and TSTM Wind
Clifton Valley Mills	07	0724CST 0740CST			0	0	?	?	Hail (1.75) Hail (1.00)
Two miles north of Meridian, a downburst overturned a mobile home on U.S. Highway 144 causing one injury, while blowing out windows in several homes and heavily damaging one barn. Another downburst blew down trees and baseballs shattered windows and damaged roofs in Meridian. One-inch hail destroyed a camper trailer 3 S Walnut Springs while quarter hail damaged trees at Meridian and quarter to golf ball size hail broke windows out at the Texas Safari in Clifton.									
McLennan County: 4 E Crawford Hogregor Municipal Airport Waco	07	0755CST 0800CST 0815CST			0	0	?	?	Hail (1.00) Hail (1.00) TSTM Wind
One-inch hail broke out windows 4 E Crawford. Strong winds blew down trees at Waco.									
Limestone County 3 N Kosse	07	0922CST			0	0	0	0	Funnels
Three funnel clouds were observed three miles north of Kosse.									
Leon County 10 E Centerville	07	1045CST			0	0	?	?	Hail (1.00)
<b>TEXAS, Northern</b>									
Callahan County 2 SE Clyde to 1 SE Baird	07	1317CST-1337CST	6	80	0	0	4	?	Tornado (F2)
Two miles southeast of Clyde, an east-southeast moving tornado was observed for approximately twenty minutes, with the initial touchdown northwest of Union Hill Road and Farm to Market Road 18. The tornado destroyed one mobile home and severely damaged a second, while several adjacent barns and trees were heavily damaged.									
Eastland County 3 W Rising Star to 1 SW Rising Star	07	1420CST-1425CST	short narrow	0	0	?	?	?	Tornado (F0)
A southeastward moving tornado touched down briefly in open country three miles west of Rising Star.									
Cass County: 4 N Avinger to 4 NE Avinger 2 S Hughes Springs Pruett	07	1437CST-1443CST 1620CST 1649CST	3	440	0	0	?	?	Tornado (F1) Hail (1.75) Hail (0.88)
A tornado touched down 4 miles north of Avinger along Hughes Creek. Numerous trees were snapped, two barns were destroyed, and several fences were blown down along the 3 mile long damage path.									
Wise County 1 SE Rhome	07	1440CST	Short Narrow	0	0	?	?	?	Tornado (F1)
A brief tornado observed by a Department of Public Safety officer destroyed a mobile home 1 SE of Rhome.									
Franklin County Hagensport Titus County: Talco Talco to Mount Pleasant 4 NW Mount Pleasant Argo	07	1440CST 1440CST 1526CST-1545CST 1526CST 1530CST			0	0	?	?	Hail (1.75) Hail (1.75) Tornado (F2) Hail (2.75) Hail (1.75)
A tornado touched down at Talco at 1526CST and moved southeastward through Greenhill to the northern portions of Mount Pleasant before dissipating. In Talco, a mobile home was overturned, power lines were blown down and several trees blown onto homes and across streets. In Greenhill, one mobile home was destroyed, a farm tractor was overturned, while a dozen homes and several businesses received heavy roof damage. In Mount Pleasant, a road maintenance building had heavy structural and roof damage, several trees were uprooted, power lines were blown down, while golf ball hail damaged several cars.									
Tarrant County: South Lake Keller Watauga Fort Worth	07	1452CST 1500CST 1505CST 1600CST			0	0	?	?	Hail (0.88) and TSTM Wind (52) Tornado (F1) TSTM Wind (65) Flash Flooding
A brief tornado touched down at a childrens home in Keller, producing structural and roof damage to six cottages and an office building. Several trees and fences were also blown down as windows were broken out of several cottages. Strong winds were estimated at 60 MPH at Southlake and at 75 MPH at Watauga. Twelve streets were closed in Fort Worth due to high water crossing the roadway.									
Comanche County Comanche Hamilton County 4 NW Hamilton	07	1503CST 1530CST			0	0	?	?	Hail (0.75) Tornado (F0)
A tornado was observed briefly in open country four miles northwest of Hamilton.									
Dallas County: Coppell Richardson Dallas	07	1530CST 1540CST 1542CST			0	1	?	?	TSTM Wind TSTM Wind Hail (0.75) and TSTM Wind (52)
In Coppell, a downburst produced heavy structural damage to an elementary school, two businesses and one gas station. Several trees were also blown down in Coppell, causing one injury to an elementary school student. In Richardson, a downburst produced roof damage to several homes while one large tree was thrown onto a car, forcing the car into another dwelling. Strong winds were also estimated at 60 MPH at Dallas.									
Morris County Daingerfield	07	1540CST			0	0	?	?	TSTM Wind
A downburst destroyed one mobile home and several trees were blown down at Daingerfield.									
Smith County: Winona 2 N Winona	07	1545CST 1545CST			0	0	?	?	TSTM Wind TSTM Wind
A downburst destroyed the roof of a barn two miles north of Winona on State Highway 155 while strong winds blew down several trees and power lines at Winona.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

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					KILLED	INJURED	PROPERTY	CROPS	
<b>TEXAS, Northern</b>									
Coryell County: Pidcoke 3 S Gatesville	07	1609CST 1615CST			0	0	?	?	TSTM Wind Hail (0.75)
			A downburst blew down several large trees at Pidcoke. Dime size hail was observed at Fort Gates located three miles south of Gatesville.						
Ellis County: Bristol Milford Red Oak	07	1615CST 1621CST 1630CST			0	0	?	?	TSTM Wind (50) Hail (1.75) TSTM Wind
			A downburst overturned a mobile home and blew down several trees at Red Oak.						
Houston County Grapeland	07	1615CST			0	0	?	?	TSTM Wind
			A downburst blew over a truck at Grapeland.						
Harrison County: 2 NW Hallsville 5 NW Darco 5 NW Darco to 3 N Darco 3 SW Crossroads to 3 S Crossroads 5 S Marshall	07	1618CST 1627CST 1627CST- 1635CST 1638CST- 1645CST 1730CST		3 440	0	0	?	?	Hail (1.75) Hail (1.00) Tornado (F1) Tornado (F1) TSTM Wind and Hail (1.00) Flash Flooding
			A tornado touched down 5 miles northwest of Darco where two barns were destroyed and numerous trees were snapped or twisted off at their trunks. Another tornado touched down between Gill and Crossroads (3 SW Crossroads) where numerous trees were snapped, twisted, or uprooted. A downburst damaged several trees five miles south of Marshall. Golf ball hail fell at the Perly Power Plant (2 NW Hallsville). Four inches of rain in a three hour period caused portions of Interstate 20 just east of Marshall to be closed due to high water over the roadway.						
Hopkins County Sulphur Springs	07	1623CST			0	0	?	?	TSTM Wind (52)
			Strong winds of 60 MPH were estimated in Sulphur Springs.						
Hill County: 10 S Hillsboro 10 E Hillsboro	07	1628CST 1715CST			0	0	?	?	Hail (4.50) Hail (4.50) and TSTM Wind (52)
Itasca Mount Cain 3 S Penelope	07	1700CST 1710CST 1710CST			0	0	?	?	Hail (1.75) TSTM Wind TSTM Wind
			Strong winds were estimated at 60 MPH ten miles east of Hillsboro. An automobile was damaged by an eight foot diameter tree at Mount Cain while several trees were blown down between Penelope and Mount Cain (3 S Penelope).						
Rusk County: Minden 3 N Good Springs 2 NW Tatum	07	1630CST 1640CST 1645CST			0	0	?	?	Hail (0.88) Hail (1.75) TSTM Wind
			A downburst blew down several trees between Tatum and Lake Cherokee (2 NW Tatum).						
Johnson County Grandview Rusk and Panola Counties 1.5 NE Shiloh to 4.5 ENE Shiloh	07	1635CST 1635CST		3 220	0	0	?	?	Hail (1.75) Tornado (F1)
			A tornado touched down one and one-half miles northeast of Shiloh and crossed the Rusk-Panola county line two and one-half miles east-northeast of Shiloh before dissipating four and one-half miles east-northeast of Shiloh. Numerous trees were chipped or twisted off and fences were pulled out of the ground along the damage path.						
Lamar County: Taylor Town Cunningham	07	1645CST 1700CST			0	0	?	?	TSTM Wind TSTM Wind
			Trees were uprooted and sheet metal was stripped away from several buildings from Taylor Town to Cunningham.						
Panola County: Dotson to 4 E Dotson Gary to 6 E Gary Woods 3 N Carthage	07	1647CST- 1655CST 1655CST- 1710CST 1730CST 1830CST- 2330CST		4 220	0	0	?	?	Tornado (F1) Tornado (F3) Hail (0.88) Flash Flooding
			A tornado near Dotson destroyed one house and blew down or twisted several trees. A tornado at Gary destroyed six mobile homes and twelve other structures while heavily damaging twenty homes. Two chicken houses were destroyed, killing over 50,000 chickens on Farm to Market Road 999 that intersects Farm to Market Road 1970 in Gary. Meanwhile, U.S. Highway 59 (3 N of Carthage) was closed due to high water on the roadway.						
<b>TEXAS, Northern</b>									
Marion County: 4 NW Smithland to 4 SSW Smithland Marion County	07	1650CST- 1655CST 1900CST- 2330CST	3	440	0	0	?	?	Tornado (F1) Flash Flooding
			A brief tornado snapped and uprooted trees four miles west-southwest of Smithland. Heavy rains flooded and closed several roads within Marion County.						
Bell County: 5 NW Belton Belton	07	1710CST 1717CST			0	0	?	?	Hail (1.75) and TSTM Wind Hail (1.75)
			Strong winds damaged a mobile home at a mobile home park 5 miles northwest of Belton.						
Trinity County Pennington to 14 E Pennington	07	1800CST			0	0	4	7	TSTM Wind
			A severe thunderstorm produced an intense wind storm along a path about 14 miles long and 4 miles wide through Trinity County. Several homes and barns were heavily damaged. Timber damage within the Davy Crockett National Forest was estimated at 4 to 8 million dollars.						
Leon County Marquez	07	1800CST			0	0	?	?	TSTM Wind (56)
			Strong winds blew down a 55 foot antenna at Marquez.						
Limestone County: 6 E Kosse Kosse	07	1815CST 1815CST			0	0	?	?	Hail (1.75) and TSTM Wind TSTM Wind
			Strong winds did considerable damage to a ranch 6 miles east of Kosse. Trees were blown over at the ranch, the roof of a house was damaged, and a chimney and TV tower were blown over. Two cars were also damaged by wind-blown debris. Trees were blown over and roofs damaged by the wind at Kosse.						
Gregg County 5 ENE Kilgore Anderson County 12 W Palestine	07	1820CST 1830CST			0	0	?	?	Hail (1.00) TSTM Wind
			Several trees were blown down 12 miles west of Palestine.						
Angelina County: 10 SE Zavalla 7 SE Huntington	07	2015CST 2015CST			0	0	?	?	TSTM Wind TSTM Wind
			Strong winds destroyed a fish hatchery building 10 miles southeast of Zavalla. Trees and power lines were blown down 7 miles southeast of Huntington.						
Falls County Marlin	10	1000CST- 1200CST			0	0	?	?	Flash Flooding
			High water around 3 feet in depth flooded cars and streets in Marlin, with the baseament of a local hospital also flooded.						
Trinity County 3 E Trinity Callahan County Cottonwood	10	1410CST 1510CST			0	0	?	?	Funnel Cloud Hail (1.75)
Brown County: Lake Brownwood Bangs	10	1525CST 1553CST			0	0	?	?	Hail (1.75) Hail (1.75) and TSTM Wind
May Zephyr Brownwood	10	1553CST 1650CST 1725CST	Short Narrow		0	0	?	?	Hail (1.75) Tornado (F1) Hail (1.75) and Flash Flooding
Early 2 NW Lake Brownwood 2 NW Lake Brownwood	10	1725CST 1800CST 1900CST			0	0	?	?	TSTM Wind Hail (1.75) Hail (0.88)
			A tornado destroyed 4 barns, uprooted several trees, and blew down power lines at Zephyr. Strong winds tore the roof off a house in Bangs and blew down trees in Early. Trees were either uprooted or blown down in Early. High water from Willis creek flooded around 45 homes in the Quail Run and Brookhollow areas when greater than 7.5 inches of rain fell in a few hours. The roofs of a few homes in Early and Bangs were damaged due to ponding of water on the rooftops.						
Shackelford County Fort Griffin Comanche County: 5 W Merceus Gap Comanche	10	1630CST 1745CST 1810CST			0	0	?	?	Hail (1.75) Hail (0.75) and TSTM Wind (52) Hail (0.75)
Taylor County: Abilene Buffalo Gap	10	1800CST- 2000CST 1800CST- 2000CST			0	0	?	?	Flash Flooding Flash Flooding
			In Abilene, several streets were flooded from area creeks. In Buffalo Gap, the Elm Creek flooded the Twin Oaks area while U.S. Highway 89 was temporarily closed due to high water.						

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

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					KILLED	INJURED	PROPERTY	CROPS	

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	

**TEXAS, Northern**

Coleman County Burkett	10	1815CST			0	0	?	?	Hail (1.75)
Hamilton County: 2 W Hamilton Hamilton	10	2100CST			0	0	?	?	TSM Wind (61)
	10	2135CST			0	0	?	?	TSM Wind
Strong winds blew down trees and power lines in Hamilton.									
Somervell County Glen Rose	10	2215CST			0	0	?	?	TSM Wind (52)
Knox County Knox City	12	0020CST			0	0	?	?	TSM Wind
A downburst blew down a radio antenna and fences, peeled the metal stripings from buildings, and damaged roof shingles of several homes in Knox City.									
Wichita County Sheppard AFB	12	0204CST			0	0	4	?	TSM Wind (66)
Strong winds resulted in over \$10,000 in damage to approximately twenty-five T-37 trainer planes.									
Baylor County Seymour	12	0205CST			0	0	?	?	TSM Wind
A downburst blew down three power line poles at Seymour.									
Callahan County Clyde	12	0400CST			0	0	?	?	Flash Flooding
Kaiser Creek overflowed its banks and flooded several businesses and homes up to 8 feet in depth in downtown Clyde after one and a half inches of rainfall fell in a short period of time.									
Collin County Plano	12	0500CST			0	0	?	?	TSM Wind
Strong winds blew down a brick fence and blew bricks off a house under construction in Plano.									
Red River County 4 N Clarksville	12	0645CST			0	0	?	?	TSM Wind
A barn was destroyed and trees uprooted 4 miles north of Clarksville.									
Parker County	12	0645CST- 0830CST			0	0	?	?	Flash Flooding
Heavy rains flooded low-water crossings throughout Parker County.									
Tarrant County: Kemedale	12	0645CST- 1000CST			0	0	?	?	Flash Flooding
Fort Worth	12	0845CST- 1000CST			0	0	?	?	Flash Flooding
Heavy rains pushed Village Creek out of its banks in Kemedale. Heavy rains in downtown Fort Worth flooded the basement of the Fort Worth City Hall.									
Gregg County Longview	12	0845CST			0	0	?	?	TSM Wind
A downburst blew down a large oak tree onto a house in Longview.									
Wise County Alvord	13	0255CST			0	0	?	?	TSM Wind (52)
Denton County: 3 N Denton	13	0335CST			0	0	?	?	TSM Wind (52)
Krum	13	0345CST			0	0	?	?	Hail (1.00)
Denton Municipal Airport	13	0345CST			0	0	?	?	TSM Wind (96)
Aubrey	13	0407CST			0	0	?	?	TSM Wind (52)
Wind gusts of 110 MPH were recorded at the Denton Municipal Airport. Three airplanes were destroyed and one severely damaged. Numerous hangars and aircraft were damaged.									
Parker County: Dennis	13	0400CST- 0630CST			0	0	?	?	Flash Flooding
Springtown	13	0400CST- 0630CST			0	0	?	?	Flash Flooding
Heavy rains flooded roads at Dennis, State Highway 199 and Farm to Market Road 59 at Springtown.									
Collin County: Melissa	13	0430CST			0	0	?	?	TSM Wind
New Hope	13	0430CST			0	0	?	?	TSM Wind
Strong winds destroyed a barn and blew fences down and shingles off houses at Melissa. Twenty trees were uprooted and a barn was destroyed at New Hope.									
Grayson County Sherman	13	0430CST			0	0	?	?	TSM Wind
Trees were blown down and several windows blown out at Sherman.									
Dallas County Dallas Love Field	13	0449CST			0	0	?	?	TSM Wind (50)
Hopkins County 8 S Sulphur Springs	13	0610CST			0	0	?	?	TSM Wind
Strong winds destroyed a barn and uprooted several trees 8 miles south of Sulphur Springs.									

**TEXAS, Northern**

Lamar County Paris	13	0620CST			0	0	?	?	TSM Wind
Several reinforced tents were blown down at Paris.									
Wood County: 5 N Quitman Coke	13	0730CST			0	0	?	?	TSM Wind
	13	0730CST			0	0	?	?	TSM Wind
Strong winds damaged a house and several outbuildings 5 miles north of Quitman. A downburst tore the carpet off a dairy, stripped the metal off a barn and shop building, and broke windows out at Coke.									
Bowie County: Hooks Malta	13	0730CST			0	0	?	?	TSM Wind
	13	0730CST			0	0	?	?	TSM Wind
A downburst damaged a school cafeteria under construction at Hooks. A downburst also demolished a shed, uprooted trees, and blew down telephone poles at Malta.									
Wichita County 3 SW Wichita Falls	13	1220CST			0	0	?	?	Hail (0.75)
Somervell County Glen Rose	13	1600CST- 2200CST			0	0	?	?	Flash Flooding
Heavy rains flooded Farm to Market Road 56 near Glen Rose and several additional Farm to Market roads in Somervell County.									
Hood County	13	1600CST- 2200CST			0	0	?	?	Flash Flooding
Several Farm to Market roads were flooded and closed after heavy rains occurred in a short period of time.									
Erath County Stephenville	13	1600CST- 2000CST			0	0	?	?	Flash Flooding
Several Farm to Market roads were flooded in and around Stephenville where 7.5 inches of rainfall were recorded in a short period of time.									
Eastland County: Gorman	13	1625CST- 2200CST			0	0	?	?	Flash Flooding
Rising Star	13	1625CST- 2200CST			0	0	?	?	Flash Flooding
High water flooded and closed State Highway 6 at Gorman. Several Farm to Market roads were closed in and around Rising Star.									
Comanche County DeLeon	13	1630CST- 2200CST			0	0	?	?	Flash Flooding
Heavy rainfall resulted in a dambreak at Rogers Lake in DeLeon where several roads were closed due to high water.									
Johnson County	13	1700CST- 14 0200CST			0	0	?	?	Flash Flooding
Heavy rains in Johnson County flooded about 80 percent of the roads within the county. After 4.75 inches of rain were recorded in Cleburne, several homes and businesses along Buffalo Creek were flooded. U.S. Highway 67 and State Highway 71 were also closed due to high water.									
Ellis County: 5 N Maypearl Lake Bardwell Ernis Wahahachie Ellis County	13	1700CST			0	0	?	?	TSM Wind
	13	1721CST			0	0	?	?	Funnel Cloud
	13	1730CST			0	0	?	?	TSM Wind
	13	1745CST			0	0	?	?	TSM Wind
	13	1800CST- 2200CST			0	0	?	?	Flash Flooding
Five miles north of Maypearl, a downburst overturned one mobile home, damaged two mobile homes, uprooted several trees, and damaged 8 houses and 4 barns. In Ernis, strong winds collapsed the roof of a medical clinic and blew over one tree in Wahahachie. Over 3 inches of rain flooded several roads in Ellis County, including the access road along Interstate 45. Several homes were also flooded in Wahahachie.									
Henderson County: 5 W Payne Springs Payne Springs Bustace Athens	13	1800CST			0	0	?	?	TSM Wind
	13	1810CST			0	0	?	?	TSM Wind
	13	1900CST			0	0	?	?	TSM Wind
	13	1905CST			0	0	?	?	Hail (0.75)
A downburst blew the roof off a house and uprooted trees at Seven Points (5 W Payne Springs). A downburst also blew down trees at Payne Springs and the roof off a mobile home in Bustace.									
Kaufman County Kemp	13	1810CST			0	0	?	?	Hail (0.75) and TSM Wind
Strong winds tore the roof off a house and uprooted several trees at Kemp.									
Eastland County Gorman	13	1820CST			0	0	?	?	Flooding
Rushing water overflowed the Sabine River and washed away a fifty year old earthen dam on a private lake near Gorman, destroying 40 to 50 cottonwood trees.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED <sup>1</sup> DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>TEXAS, Northern</b>									
Anderson County: Bradford Palestine 1 SE Elkhart	13	1910CST 2000CST 2000CST			0	0	?	?	TSTM Wind TSTM Wind TSTM Wind
A downburst destroyed several barns and uprooted trees at Bradford. A downburst blew down trees at Palestine and one mile southeast of Elkhart.									
Rusk County: Overton 3 S Mt. Enterprise	13	1910CST 1925CST			0	0	?	?	Hail (1.00) TSTM Wind and Hail (1.75)
5 NE Baklaw Malakoff Price New London Henderson	13	1930CST 1930CST 1945CST 2020CST 2030CST			0	0	?	?	Hail (1.75) TSTM Wind Lightning Hail (1.00) TSTM Wind and Hail (0.88)
Henderson New London	13	2115CST 2230CST			0	0	?	?	Lightning Flash Flooding
Henderson	13	2230CST- 0400CST 2230CST- 0400CST			0	0	?	?	Flash Flooding
Strong winds blew down numerous trees at Henderson, Malakoff, and 3 miles south of Mount Enterprise. Some roof damage also occurred in Malakoff. Lightning struck a house in Price and ignited a fire and exploded a gas well in Henderson. Several roads were closed from New London to Henderson after rainfall amounts of 5 inches at New London and 4.52 inches at Henderson fell. High water up to the bumpers of cars in depth flooded an apartment complex in Henderson.									
Cherokee County Jacksonville	13	2000CST			0	0	?	?	TSTM Wind
Strong winds blew down several trees onto power lines at Jacksonville.									
Navarro and Anderson Counties	13	2010CST- 2300CST			0	0	?	?	Flash Flooding
Heavy rains flooded and closed U.S. Highway 287 between Corsicana and Palestine.									
Rusk County Price	13	2115CST- 2300CST			0	0	?	?	Flash Flooding
High water up to 2 feet in depth, flooded a large part of Price.									
Nacogdoches County Cushing	13	2200CST			0	0	?	?	TSTM Wind
A downburst uprooted several trees at Cushing.									
Harrison County Karnack	13	2255CST- 14 0100CST			0	0	?	?	Flash Flooding
Heavy rains flooded roads in and around Karnack.									
Kaufman County Terrell	14	0530CST			2	0	?	?	Flooding
Two people drowned in an automobile at Brushy Creek while attempting to drive around a barricade on a frontage road at Interstate 20 and Brushy Creek. M85V, F86V									
Bosque County Meridian	14	0615CST			0	1	?	?	TSTM Wind
A downburst destroyed a travel trailer, a barn, and an outbuilding at Meridian.									
Dallas County Grand Prairie	14	0900CST			0	0	?	?	Flooding
Nine homes in the Dorchester addition along the Trinity River were flooded when the Trinity River went near 4 feet above its normal flood stage after over two and one-half inches of rain in a 24 hour period.									
Angelina County Lufkin	26	1330CST			0	0	?	?	TSTM Wind
A downburst blew down power lines and a few trees in Lufkin. Heavy rains of 6.19 inches in a 24 hour period resulted in some urban street flooding due to poor drainage in Lufkin.									
<b>41 TEXAS, Southern</b>									
Val Verde County 7N Langtry	06	1845CST			0	0	4	0	Tstm.Wind (?) High winds from a thunderstorm damaged 5 campers.
Burnet County Lake Buchanan	06	2330CST			0	0	0	0	Hail (0.75)
Houston County Grapeland	07	1415CST			0	0	?	0	Wind (?) Hail (?) High winds from a thunderstorm almost blew over a truck in the Grapeland area. Hail of undetermined size fell in the same area.
Madison County Navasota River	07	1800CST			0	0	0	?	Tstm.Wind (?) High winds from a thunderstorm toppled trees in the western part of the county near the Navasota River Bottom.
Robertson County Bald Prairie	07	1810CST			0	0	?	?	Tstm.Wind (?) Hail (1.00) High winds from a thunderstorm did considerable damage to trees between Bald Prairie and New Baden. One large portable building was overturned and another one destroyed. Quarter size hail fell at Bald Prairie.
Lee County Tanglewood	07	Evening			0	0	0	?	Hail (1.75)
Milam and Burleson Counties 5 S Milano to near Cocks Point	07	1840CST	15	150	0	4	6	?	Tornado (F2) A tornado touched down about 5 miles south of Milano in Milam County near the community of Sand Grove and Tx.Hwy.36 and moved east-southeast across the northern part of Burleson County before dissipating near the town of Cocks Point. The tornado was not on the ground all of this distance. In the Sand Grove area, Milam County, there were 20 barns destroyed and 10 to 20 utility poles that were leveled. One roof of a residence was lifted off. One 18-wheeler was blown over. In the Chrisman area, 7 homes were destroyed and another 10 were damaged. Vehicles and equipment were destroyed. The tornado crossed Tx.Hwy.36 about 7 miles northwest of Caldwell where hundreds of trees were downed, many were snapped off at their bases. Many outbuildings were destroyed. At least one mobile home was demolished. About 6 miles north of Caldwell, the path of this tornado intersected the tornado that moved through the area back on the 15th of November, 1987.
Brazos County near Edge	07	1855CST			0	0	?	?	Tstm.Wind (?) High winds from a thunderstorm downed trees and power lines in the northeast part of the county near Edge.
Tyler County	07	2015CST			0	0	0	?	Tstm.Wind (?) High winds from a thunderstorm downed large trees, some of them fell on highways in the eastern part of the county.
Newton County	07	2045CST			0	0	0	?	Tstm.Wind (?) High winds from a thunderstorm downed large trees and power lines on old Hwy. 87. Specific location was not given.
Tyler County Woodville	10	1550CST			0	0	0	?	Tstm.Wind (?) High winds from a thunderstorm downed large trees near Hwy. 190 in the western part of the county near Woodville.
Uvalde County Uvalde	10	2130CST			0	0	?	?	Tstm.Wind (?) High winds from a thunderstorm blew over a trailer home. 3 homes in the area also suffered damage.
Uvalde County 14W Uvalde	10	2250CST			0	0	?	?	Hail (1.75)
Val Verde County	10	2315CST			0	0	0	0	Tstm.Wind (56) High winds from a thunderstorm were measured at 64 MPH on Lake Amistad at San Pedro Estates.
Val Verde County	10	2325CST			0	0	0	0	Hail (0.75)
Kimney County Western Part	11	0018CST			0	0	0	0	Hail (1.75)

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

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					KILLED	INJURED	PROPERTY	CROPS		
<b>TEXAS, Southern</b>										
Bexar County San Antonio	11	0130CST			0	0	6	?	Tstm. Wind (?) Hail (1.75)	
<p>High winds from a thunderstorm hit the city of San Antonio and did scattered damage in and around the city. The high winds tore a blimp loose from its moorings at Stinson Field and destroyed it. There was scattered tree damage across the city. Winds were estimated at 80 MPH at Stinson Field. Golfball size hail was reported in Alamo Heights. At Kirby, on the east side of the city, a mobile home was blown off its foundation and 2 homes suffered roof damage. Sheds were also damaged.</p>										
Bandera County Bandera	11	0130CST			0	0	?	?	Tstm. Wind (?)	
<p>High winds from a thunderstorm damaged trees and ripped off the roof of a large storage building in Bandera. Some trees were also uprooted.</p>										
Gonzales County Thompsonville	11	0130CST			0	0	?	?	Tstm. Wind (?)	
<p>High winds from a thunderstorm damaged a home and outbuildings were destroyed. Nearby trees were also downed.</p>										
Val Verde County 2W Comstock	11	0155CST			0	0	0	0	Tstm. Wind (?)	
<p>High winds from a thunderstorm blew a fire truck off US Hwy. 90.</p>										
Val Verde County Langtry	11	0215CST			0	0	3	0	Tstm. Wind (?)	
<p>High winds from a thunderstorm blew over 3 mobile homes 1 mile southwest of Langtry. Nearby signs on highway were blown down. There was some roof and tree damage in Langtry. 4 miles north of Langtry, a trailer was partially destroyed and brush twisted.</p>										
Wilson County	11	0230CST			0	0	?	?	Tstm. Wind (?)	
<p>High winds from a thunderstorm damaged a few homes in and around Stockdale and Pandora. Trees and outbuildings were downed.</p>										
Burleson County Somerville	11	1830CST			0	0	?	?	Tstm. Wind (?)	
<p>High winds from a thunderstorm toppled trees and damaged a home in the Somerville area. A marina was blown loose from its moorings on Lake Somerville. Winds were estimated at 80 MPH. A camper top was blown off of a truck. Other campers and tents were blown over by the high wind. 2 buildings were damaged in Somerville and one tree fell onto a house. Another tree fell on a house.</p>										
Kendall County Welfare	13	2238CST			0	0	0	0	Hail (1.75)	
Hidalgo and Cameron Counties	14	0200CST			0	0	?	?	Tstm. Wind (?)	
<p>High winds from a thunderstorm uprooted trees around Harlingen and Pharr. There was other roof damage in Harlingen. One mobile home had its roof ripped off in Pharr. Cars and busses had windows broken. 3 homes in McAllen had roof damage and one apartment complex was damaged. 3 mobile homes in San Juan were damaged.</p>										
Southeast Texas	25-30				3	?	8	?	Tropical Storm "Allison" Flooding	
<p>A tropical depression formed in the northwestern Gulf of Mexico on Saturday the 24th about 100 miles southeast of Corpus Christi. Actually the convection and cloud canopy associated with the depression could be traced back to the remnants of a Pacific Ocean minimal hurricane named "Cosme". Cosme had made landfall on the western Mexican coastline south of Acapulco and had moved northeast to near Mexico City and continued northeast into the southwestern Gulf of Mexico. The convection continued to move north in the western Gulf and a depression formed near 27.2 north and 96.0 on the 24th. On the 25th, the depression continued to move slowly to the north and it intensified to tropical storm strength late in the day and was named "Allison". Allison made landfall just southwest of Freeport Texas around 1 PM CST, Monday June 26th.</p> <p>From wind and storm surge Allison's effect on the upper Texas Coast was minimal, but the torrential rains she brought produced major flooding over portions of southeast Texas. 10 to 15 inches of rain just north and east of Houston extending eastward towards Beaumont produced another major flood in the area. The flood waters were very significant because previous flood waters from heavy rains in May had just abated. Flooding was worse in north and east Harris County and in southern Liberty and northern Chambers counties. However flooding was not as bad as it was during May in Jasper, Newton, Orange and the northern part of Montgomery counties. The heaviest rainfall and flooding was to the right of where Allison made landfall (see Outstanding Storms). Over 10 inches fell in a 24 hour period over eastern Harris County eastward into Liberty and Chambers counties. Storm totals for 4 days ending on the 27th were close to 15 inches of rain in eastern Harris County. Actually flooding from the tropical system began on the 24th when up to 5 inches of rain fell over southeast Harris County in the area</p>										
<b>TEXAS, Southern</b>										
									around Hobby Airport and Deer Park. Major to overbank flooding began on rivers and bayous in the area on the 26th and continued in the area through the first week in July. All rivers and lowlands in the area mentioned were flooded and waters were very slow to recede.	
									There were three deaths attributed to Allison from the flooding. All were teenage boys that drowned while swimming in the flood waters. MI80, MI60, MI50.	
									An exact dollar damage from the flood waters will not be known for some time, but it is expected to be in the neighborhood of 200-400 million dollars.	
									Storm surge heights produced from the storm on the Gulf side were 3 to 5 feet. Off shore seas were reported to be 10 to 16 feet. Bay tides were a maximum in the upper end of Trinity Bay near Baytown where 7 feet was measured.	
									Highest wind gust in the area was 56 MPH at the Galveston weather office at 0935CST on the 26th. There was one tornado.	
									Allison's effects on the upper Texas coast and inland counties are described in more detail by counties listed below in alphabetical order.	
Brazoria County	26				0	0	?	?	Flooding	
<p>6 to 7 inches of rain was reported over the western portions of the county and produced flooding. The area that was worse hit was in and around West Columbia.</p>										
Chamber County	26-30				0	0	?	?	Flooding and Storm Surge	
<p>Up to 10 inches of rain fell over the northern portions of the county and produced serious street flooding and flood waters that rose into several homes. However the most serious flooding was from the rising bay waters that reached a height of near 7 feet around Anahuac. Low lands around the mouth of the Trinity River were flooded for several days from the runoff of the flood waters.</p>										
Galveston County	26-27				0	0	?	?	Flooding and Storm Surge	
	26	2300CST			?	?	0	1	?	Tornado (FO)
<p>Heavy rainfall of 4 to 8 inches produced local flooding on Galveston Island and in and around Texas City northward to Kenah and Clear Lake. Galveston's rainfall on the 26th was just over 4 inches while heavier amounts fell over the northern part of the county. The highest storm surge on the Gulf side was 3.9 feet above mean sea level. There was some beach erosion on the western end of the island. It was estimated that about 20 to 30 yards of the beach was eroded away. Tx. Hwy. 87 on Bolivar Peninsula was closed for some time due to debris and sand that washed up onto the roadway. High winds on the island downed some tree limbs and power lines. Winds gusted to 56 MPH in the morning hours of the 26th. A tornado touched down on Bolivar Peninsula in the Gilchrist area and did minor damage. The tornado injured one person.</p>										
Hardin County	27	Morning			0	0	?	?	Flooding	
<p>6 to 8 inches of rain fell late on the 26th and the early morning hours of the 27th. Pine Island Bayou overflowed again and nearby communities were flooded. This included homes in and around Silsbee and Pinewood.</p>										
Harris County	24-30				1	1	?	?	Flooding and Storm Surge	
<p>Flooding from the tropical system actually began in the county on the 24th when 5 inches of rain fell over the southeast part of the county near Hobby Airport and Deer Park. However, the heaviest rains fell just after the storm made landfall on the 26th when over 10 inches of rain fell mainly over the eastern and northern part of the county. The resulting flood water from the heavy rains was very significant over the low areas around Cypress Creek, Greens Bayou and the San Jacinto River. The flood waters forced hundreds of people from their homes. 800 persons were reported in shelters on Monday the 26th. Another 500 persons were evacuated from homes and vehicles between 3 PM on the 26th and 630 PM CST on the 27th. In Pasadena, every road in town was flooded and water was in many homes. Homes in and around the Cypress Creek area flooded again. This included the subdivisions of Inverness Forest and Arbor Oaks. Homes were flooded in the Clear Lake area also. In La Porte, volunteer evacuation occurred in two subdivisions where many streets were impassable due to high water. There were estimated 3,000 homes in the county that had some kind of water damage.</p> <p>Highest tide in Galveston Bay was near 7 feet at Baytown.</p> <p>Highest winds from the storm in Harris County where a gust to 53 MPH around midnight on the night of the 26th at Houston Intercontinental Airport. Highest wind gust at Hobby Airport was a gust to 45 MPH. Alvin NWS office recorded a gust to 37 MPH at 835 AM CST on the 26th. High winds in the La Porte area turned over some vehicles and ripped the side off of a business building.</p> <p>On the 27th in the northern part of the county near Spring, an 18 year old youth drowned while swimming in Spring Creek. One girl was injured when she came in contact with a downed power line. MI80.</p>										



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

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					KILLED	INURED	PROPERTY	CROPS	
<b>TEXAS, Southern</b>									
Jefferson County	26-30				2	?	6	?	Flooding and Storm Surge
	<p>Heavy rains up to 8 inches fell over the county, producing widespread flooding. The most serious flooding occurred in the low lands in and around Hillebrandt Bayou and over the south and west part of Beaumont. In Beaumont, about 200 homes and 50 businesses were damaged from the flood waters. Damage from the flood waters in Beaumont was estimated near 1.5 million dollars. Total in the county was 2.8 million.</p> <p>There were two drownings in the city of Beaumont. Two teenage boys drowned when the raft they were riding on capsized and they were swept into a drainage pipe. M150, M160.</p> <p>A Gulf side storm surge of 2 to 4 feet was felt on Bolivar Peninsula and in the Sabine Pass area. There was little damage from erosion. Some sand dunes and debris washed up on US Hwy. 87 and closed the road. Highest tide at Sabine Pass was 3.5 feet above MSL.</p> <p>Peak wind gust in the county was a gust to 46 MPH at the Jefferson County Airport at 0041CST on the 27th. 24 hour rainfall at the MWS office ending at 0530CST on the 27th was 6.92 inches.</p>								
Liberty County	26-30				0	?	?	?	Flooding
	<p>Up to 10 inches of rain fell over the southern part of the county producing widespread serious flooding. 8 subdivisions west of the Trinity River from above Liberty downstream to below Moss Bluff were cut off by the flood waters. Many homes were flooded. The community of Dayton Estates had over 6 feet of water covering the main street in town. Officials estimated that 2,500 persons were cut off by flood waters in the county mostly from the overflow of the Trinity River. About 3,000 homes in the county sustained some kind of water damage. Approximately 500 persons evacuated their homes. Flood waters were slow to recede in the area and persons were still being evacuated in the area as late as the 1st of July.</p>								
Jasper County	27 Morning				0	?	?	?	Flooding
	<p>Up to 9 inches of rain fell over portions of the county. Flooding was worst over the southern part around Kirbyville and Buna. Persons were still being evacuated in the area on the 1st of July from high water in the low lands surrounding the Sabine River.</p>								
Matagorda County	24				0	0	?	?	Flooding
	<p>Up to 10 inches of rain fell on the 24th near Matagorda and flooded streets and low lands. This event, while two days before the storm made landfall was part of the tropical system.</p>								
Montgomery County	26-28				0	0	?	?	Flooding
	<p>Up to 10 inches of rain fell over the extreme southeast part of the county. Low lands in and around the San Jacinto River and Spring and Caney creeks were flooded. While flooding was serious, it was not as bad as the flooding that took place on the 17th and 18th of May.</p>								
Newton County	26-30				0	0	?	?	Flooding
	<p>Up to 8 inches of rain fell over the west and southwest part of the county. Overbank flooding occurred on the Sabine River and flooded the low lands surrounding the river.</p>								
Orange County	27-30				0	0	?	?	Flooding
	<p>Very heavy rains fell over portions of the county. Low lands around the lower portion of the Sabine River were flooded mostly from the runoff from heavy rains to the north of the county. Several homes were flooded in this area. Streets and roads were flooded in the western part of the county from the heavy rains.</p>								
<b>41 TEXAS, Western</b>									
Lubbock County	1 1510 CST				0	0	0	0	Hail (1.00)
	<p>Hail between the sizes of dimes and quarters occurred at the intersection of Quirt and Loop 289, according to a public report.</p>								
Hale County	1 1525 CST				0	0	0	0	Hail (0.75)
	<p>The Cotton Center Volunteer Fire Department reported dime size hail in Cotton Center.</p>								
<b>TEXAS, Western</b>									
Lynn County:									
5 E of Tahoka	1 1605 CST				0	0	0	0	Hail (1.75)
Draw	1608 CST				0	0	0	0	Tstm Wind (52)
Garza County:									
Post	1609 CST				0	0	0	0	Tstm Wind(50)
	<p>The Lynn County Sheriff's Department reported golf ball size hail 5 miles east of Tahoka on U. S. Highway 380. Three minutes later the Community of Draw experienced winds of 60 miles an hour (52 knots). At 1609 CST Radio Station KPOS reported thunderstorm winds gusting to 58 mph (50 knots) at their location in Post.</p>								
Garza County	1 1705 CST				0	0	0	0	Hail (1.00)
	<p>Skywarn spotters observed one-inch hail at Justiceburg.</p>								
Reeves County	1 1715 CST				0	0	?	?	Hail (2.75)
	1721 CST				0	0	?	?	Hail (2.75)
	<p>The DPS reported baseball size hail near the Balmorhea Boys Scout Camp. At the same time baseball size hail was being observed by Sheriff's Deputies in Toyahville. At 1721 CST the DPS encountered baseball size hail 5 miles south of Balmorhea.</p>								
Borden and Scurry Counties	1 1745 CST				0	0	5	5	Hail (2.75)
	1750 CST				0	0	4	4	Tstm Wind (Est. 70)
	Est. 1815 CST				0	0	4	0	Tstm Wind
	1825 CST				0	0	0	0	Hail (0.88)
	<p>The Sheriff's Office reported thunderstorm winds that gusted to an estimated 80 mph (70 knots) in the northeast part of Borden County. As the storm moved through northwest Scurry County, the Community of Fluvanna caught the brunt of its wind and hail. Hail the size of baseballs combined with strong wind to break windows and tree limbs throughout town. Damaging hail fell as far east as Dermott. The storm also brought 4.8 inches of rain to Fluvanna. At approximately 1815 CST thunderstorm winds downed approximately 10 power poles 5 miles east of Snyder. At 1825 CST nickel size hail fell at the Snyder police station.</p>								
Yoakum County	1 1815 CST				0	0	0	0	Hail (1.75)
	<p>The Sheriff encountered golf ball size hail along State Highway 214, six miles north of Plains.</p>								
Howard County	1 1848 CST	1.0	60		0	0	0	0	Tornado (F0)
	1858 CST				0	0	0	0	Hail (0.75)
	1918 CST	1.5	70		0	0	0	0	Tornado (F0)
	<p>At 1848 CST the Sheriff reported a tornado 3 miles west of Coahoma, and at 1858 CST the public observed dime size hail and wind gusts in excess of 50 miles an hour near the Community of Vincent. At 1918 CST another small tornado was reported by the Sheriff 2 miles north of Coahoma, in the eastern part of the county. No damage was reported.</p>								
Mitchell County	1 1910 CST	1.5	40		0	0	0	0	Tornado (F0)
	1930 CST				0	0	5	4	Tstm Wind
	<p>The Howard County Heavy Precipitation (HP) Supercell brought a small tornado 7 miles northeast of Colorado City, according to a Department of Public Safety (DPS) patrolman. Twenty minutes later a powerful microburst blew down antennas, broke windows, and inflicted roof and tree damage from 3 to 4 miles north to northeast of Colorado City southward into town.</p>								
Terry County:									
2 W of Brownfield	1 1930 CST				0	0	?	?	Hail (1.75)
Wellman	1946 CST				0	0	5	0	Tstm Wind
Terry and Yoakum Counties	1940 CST				0	0	?	?	Flash Flooding
	<p>The massive thunderstorm that brought golf ball size hail in northern Yoakum County during the previous hour swept through Terry County as well. Radio Station KRLB in Lubbock reported golf ball size hail 2 miles west of Brownfield at 1930 CST. Heavy rains caused flash flooding that left many cars stalled along U. S. Highway 82-380 between Brownfield and Plains (in both counties). An hour later the Brownfield Civil Defense Director reported that water was also covering U. S. Highway 385 both north and south of Brownfield. He also reported that, at 1946 CST, a powerful microburst left a six-mile-long, 200-yard-wide, swath of destruction from Wellman southeastward. Farm buildings and equipment, as well as several power poles, were heavily damaged.</p>								
Brewster County	1 1930 CST				0	0	4	4	Hail (2.75)
	<p>Golf ball to baseball size hail pounded the City of Alpine, breaking windows, damaging automobiles and stripping trees, according to KVLF radio in Alpine.</p>								

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					KILLED	INJURED	PROPERTY	CROPS	
<b>TEXAS, Western</b>									
Coke County	1	2000 CST			0	0	5	5	Tstm Wind (61)
		Thunderstorm winds accompanied heavy rainfall and marble size hail across the Robert Lee vicinity, inflicting extensive damage. Ten mobile homes were either damaged or totally destroyed, in addition to roofs being ripped off barns, metal storage buildings overturned as the storm moved through town. The combination of wind and small hail stripped trees and crops throughout the immediate Robert Lee area. Downed power lines left the town without electricity for an hour.							
Dawson County	1	2020 CST			0	0	6	5	Hail (1.75)
		2023 CST	2.0	100	0	0	0	0	Tornado (F0)
		2030 CST			0	0	4	6	Hail (1.75)
		2040 CST	4.5	150	0	0	4	0	Tornado (F1)
		2100 CST			0	0	4	0	Tstm Wind(55)
		At 2020 CST the Lamesa Police Department reported golf ball size hail near Welch, in the northern part of the county. Three minutes later a newspaper reporter observed a tornado 5 miles north of Lamesa. At 2030 CST hail the size of golf balls fell at Punkin Center, which is 9 miles northwest of Lamesa. A tornado ripped through the southern part of the county, breaking power poles and downing power lines at Klondike. A house and a barn sustained damage at this location. Then at 2100 CST the Lamesa police reported that thunderstorm winds of up to 55 knots downed power lines and other structures 6 miles west of Lamesa.							
		Hail damage was described as the worst in several years by insurance agents. Estimates are that damage to automobiles alone was half a million dollars, with roof damage to houses and businesses around 2 million dollars. Damage estimates to cotton crops are undetermined, but will be well in the millions of dollars.							
Martin County	1	2120 CST			0	0	0	0	Hail (0.75)
		2120 CST			0	0	0	0	Tstm Wind (61)
		Dime size hail and winds gusting to 70 mph (61 knots) were reported by the public on Farm Road 846, six miles west of Knott, in the extreme eastern part of the county.							
Howard County	1	2240 CST			0	0	0	0	Tstm Wind (52)
		2300 CST	2.5	100	0	0	0	4	Hail (1.75)
					0	0	0	0	Tornado (F1)
		The Sheriff's Office reported golf ball size hail and 60 mph (52 knot) winds 1 mile west of Big Spring. Twenty minutes later a tornado reportedly damaged a house on Robinson Street in Big Spring, with another house sustaining porch damage. There was a report of another tornado at Sand Springs, which is 8 miles east of Big Spring, but this report remains unconfirmed.							
Martin County	1	2307 CST			0	0	0	0	Hail (1.75)
		Big Spring radio station KBYG reported golf ball size hail at Stanton, in the southeast part of the county.							
Tom Green County	1	Est. 2310 CST			0	0	4	0	Lightning
		Lightning resulted in a house fire on the south side of San Angelo. Damage was extensive.							
Howard County	1	2340 CST			0	0	0	0	Hail (1.75)
	2	0001 CST			0	0	4	0	Flash Flooding
		At 2340 CST the DPS encountered golf ball size hail along U. S. Highway 87, five miles southeast of Big Spring. The large thunderstorm generating the amalgam of severe weather over both Howard and Martin counties during the preceding two hours brought more than two inches of rain within an hour, causing flash flooding in the City of Big Spring. Numerous automobiles were washed off roads in Big Spring between 0001 CST and 0030 CST, particularly at the corner of Alamesa and Parkway, where water was running 3 to 4 feet deep. No injuries were reported.							
Terry County	2	0156 CST			0	0	0	0	Hail (1.75)
		Another wave of powerful thunderstorms passed through the county, bringing golf ball size hail two miles south of Meadow, in the northeast part of the county. The hail covered the ground.							
Hale County	2	0800 CST			0	0	5	5	Flash Flooding
		Torrential thunderstorm rains of between 5 and 7 inches resulted in major flash flooding across the county. Visibility was reduced to 50 feet between Abernathy and Hale Center along Interstate 27, and numerous automobiles drove into deep water over the highway. Many of those cars were stalled in the high waters, and a number were totally destroyed by the high water. Most of the flooding had receded by 1200 CST, but significant crop damage occurred nevertheless.							
<b>TEXAS, Western</b>									
Randall County	2	1017 CST			0	0	0	0	Hail (0.88)
		1053 CST			0	0	0	4	Flash Flooding
		A strong, slow-moving thunderstorm rolled across the northern half of the county, bringing nickel size hail at Canyon, according to Skywarn spotters. Within the hour, significant flash flooding between southwest Amarillo and Canyon inundated fields and washed away many young cotton plants.							
Randall County:									
Southwest Amarillo	2	1128 CST			0	0	0	0	Hail (0.88)
Amarillo		1152 CST			0	0	0	0	Hail (0.75)
Potter and Randall Counties		1152 CST			0	0	0	0	Flash Flooding
		Hail and heavy rain in Randall County led to flash flooding that affected both counties. Prior to the flooding, however, at 1128 CST an off-duty Weather Service employee reported hail the size of nickels in southwest Amarillo. Dime size hail fell at the intersection of Georgia and Interstate 27 at 1152 CST. Meanwhile widespread street flooding was occurring in Amarillo, a condition which was persistent through the next two hours.							
Cochran County	2	1353 CST			0	0	0	0	Hail (0.75)
		1419 CST			0	0	0	0	Hail (0.75)
		1433 CST			0	0	0	0	Hail (1.75)
		A cooperative observer in Lehman reported dime size hail. At 1419 CST hail of the same size was reported in Morton. By 1433 CST the hail in Morton had grown to the size of golf balls.							
Floyd County	2	1442 CST			0	0	0	0	Hail (1.75)
		Hail the size of golf balls accompanied torrential rainfall in the City of Floydada, according to city officials.							
Hockley County	2	1443 CST			0	0	0	0	Hail (1.00)
		Skywarn spotters encountered hail the size of quarters at Sundown, in the southern part of the county.							
Lubbock County	2	1500 CST	3.0	150	0	0	5	4	Tornado (F1)
		A tornado moved across the northeast part of the county between Idalou and the northern county line. The twister destroyed one barn, heavily damaged a residence, snapped many utility poles on Farm Road 400 and scattered tree branches and farm equipment along a three-mile west to east track about 4 miles north of Idalou.							
Cottle County	2	1500 CST			0	0	0	0	Hail (1.75)
		Skywarn spotters in the City of Paducah observed golf ball size hail.							
Lamb County	2	1550 CST							Funnel
		A funnel cloud was sighted by a Sheriff's Deputy 6 miles southwest of Littlefield.							
Dawson and Martin Counties	2	1612 CST			0	0	3	3	Hail (1.00)
		1615 CST			0	0	5	5	Hail (1.75)
		1713 CST			0	0	0	0	Tstm Wind (52)
		A thunderstorm brought hail the size of quarters at 1612 CST to the county courthouse in Lamesa. Three minutes later the fire department and KRFY radio in Lamesa observed golf ball size hail. Nearly an hour later at 1713 CST winds estimated at 60 mph (52 knots) lashed the Ackerly Community, in far northeast Martin County. This was the second severe hailstorm in as many days across the area, and resulted in extensive crop and structural damage.							
Reeves County	2	1615 CST			0	0	0	0	Hail (1.00)
		1646 CST			0	0	0	0	Hail (2.75)
		Quarter size hail was observed 1 mile southeast of Saragosa. About a half hour later Skywarn spotters encountered baseball size hail in the extreme southeast part of the county.							
Castro County	2	1620 CST			0	0	0	0	Hail (0.75)
		Hail up to the size of dimes was reported by the public in Dimmitt.							
Loving County	2	1720 CST			0	0	0	0	Tstm Wind (52)
		The public reported thunderstorm wind gusts to an estimated 60 mph (52 knots) at Red Bluff Dam.							
Howard County	2	1729 CST			0	0	0	0	Hail (1.75)
		Golf ball size hail struck in and near the Vealmoor Community, in the far northwest corner of the county.							
Brewster County	2	1731 CST			0	0	0	0	Hail (1.75)
		Golf ball size hail fell at Alpine, in the northern part of the county. The hail covered the ground.							

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>TEXAS, Western</b>									
Dawson County	2	1735 CST			0	0	0	0	Hail (1.75)
									Golf ball size hail was reported by radio station KPET to have accumulated to a depth of 4 inches on the highway 10 miles east of Lamesa.
Howard County:	2	1800 CST	1.0	80	0	0	0	0	Tornado (F0)
15 NE Big Spring		1823 CST	3.0	100	0	0	0	0	Tornado (F0)
1 N of Coahoma		1825 CST			0	0	4	0	Tstm Wind
3 E of Coahoma									
Mitchell County:									
Cuthbert		1815 CST			0	0	0	0	Hail (2.75)
3 W of Westbrook		1830 CST			0	0	0	0	Hail (1.75)
4 S Colorado City		1840 CST	3.5	120	0	0	0	0	Tornado (F0)
									A powerful thunderstorm moved through the eastern part of the county. A tornado was reported at 1800 CST by the public 15 miles northeast of Big Spring. Another tornado was observed by Big Spring Police 1 mile north of Coahoma at 1823 CST, and 2 minutes later thunderstorm winds overturned a tractor-trailer rig 3 miles east of Coahoma on Interstate 20.
									In the meantime the large storm also affected Mitchell County, bringing at 1815 CST baseball size hail to the northwest corner of the county at Cuthbert. Fifteen minutes later golf ball size hail pounded Interstate 20 three miles west of Westbrook. At 1840 CST a third tornado was reported, by Skywarn spotters, 4 miles south of Colorado City.
Terry County	2	1840 CST			0	0	0	0	Hail (1.75)
									A Sheriff's Deputy encountered golf ball size hail in the Community of Gomez, 5 miles west of Brownfield.
Toakum County	2	1930 CST			0	0	0	0	Hail (1.75)
									Police officers reported pea to marble size hail, with some stones the size of golf balls, in Denver City.
Lubbock County	2	1945 CST			0	0	0	0	Tstm Wind (64)
									Thunderstorm wind gusted to 64 knots at Lubbock International Airport.
Pecos County	3	1420 CST			0	0	0	0	Hail (0.75)
									A spotter observed dime size hail to fall in the western part of the county, along U. S. Highway 285.
Reeves County	3	1433 CST			0	0	0	0	Hail (1.75)
									At 1433 CST the City of Pecos Civil Defense Director reported golf ball size hail in Pecos.
Lubbock County	3	1500 CST			0	0	0	0	Hail (1.75)
									Golf ball size hail fell nearly continuously over the central part of the county--generally bounded by Wolforth, Reese Air Force Base, Lubbock and Shallowater--for a period of 35 minutes.
Hale County	3	1523 CST	7.5	150	0	0	4	0	Tornado (F1)
									Skywarn spotters observed a small tornado 4 miles northeast of Hale Center. The twister destroyed an unoccupied mobile home 4 miles west of Plainview at 1530 CST.
Swisher County	3	1532 CST			0	0	0	0	Hail (1.75)
		1605 CST	0.5	90	0	0	0	0	Tornado (F0)
		1605 CST			0	0	0	0	Hail (1.00)
		1616 CST			0	0	0	0	Hail (1.75)
									The Police Department reported golf ball size hail 1 mile south of Tulia. The storm moved slowly southeast and produced golf ball size hail 0.5 mile east of Kress at 1616 CST. At 1605 CST storm chasers from Colorado State University observed a tornado to touch down briefly 1 mile west of Kress, in the southern part of the county. The twister was accompanied by one-inch hail that fell along Interstate 27 near Kress.
Ward County	3	1555 CST			0	0	0	0	Hail (1.75)
		1630 CST			0	0	6	4	Hail (4.50)
		1650 CST			0	0	0	0	Hail (2.75)
									A spotter reported golf ball size hail in the City of Monahans. At 1630 CST spotters reported that softball size hail was inflicting extreme house damage in Monahans. The hail fell for about 30 minutes, and was observed as being the size of baseballs at 1650 CST.
									Total damage from the storm was estimated by insurance adjusters at between 5 and 6 million dollars, much of that residential roof and glass damage, but a significant amount also automobile damage. Some hailstones were observed to have driven completely through the metal roofs of automobiles.
Hall County	3	1600 CST			0	0	0	0	Hail (1.75)
									The Memphis Police Department reported golf ball size hail at Brice, in the northwest corner of the county.
<b>TEXAS, Western</b>									
Crosby County	3	1630 CST			0	0	0	0	Hail (1.75)
									The Sheriff's Department reported golf ball size hail in the Community of Caprock.
Winkler County	3	1640 CST			0	0	0	0	Hail (1.50)
					0	0	0	0	Tstm Wind (52)
									The Flight Service Station at Winkler County Airport in Wink observed 1.50 inch hail and a wind gust to 52 knots.
Randall County	3	1700 CST			0	0	0	0	Hail (1.75)
									Golf ball size hail fell at Palo Duro Canyon State Park, according to a Park Ranger.
Crane County:									
10 E of Monahans	3	1701 CST	5.0	150	0	0	0	0	Tornado (F1)
Crane		1758 CST			0	0	0	0	Hail (2.50)
Crane		1800 CST	1.5	90	0	0	0	0	Tornado (F0)
10 W of Crane		1810 CST			0	0	0	0	Hail (2.50)
Crane		1811 CST			0	0	0	0	Funnel
Crane		1817 CST			0	0	0	0	Hail (1.75)
Crane		1817 CST			0	0	0	0	Funnel
Ector County:									
10 S of Odessa		1747 CST	4.0	100	0	0	0	0	Tornado (F0)
7 S of Odessa		1810 CST			0	0	0	0	Tstm Wind (52)
									A pair of supercells moved across Crane and Ector counties, generating large hail and tornadoes. The first tornado report was received from the public 10 miles east of Monahans on Farm Road 1053, in the northwest part of the county. About 45 minutes later that thunderstorm produced another twister that another member of the public sighted close to the intersection of U. S. Highway 385 and Farm Road 1787 in southeast Ector County. Storm number two brought tennis ball size hail at 1758 CST to the City of Crane, and two minutes later a tornado was spotted near Crane.
									At 1810 CST hail the size of tennis balls fell 10 miles west of Crane, on the west side of storm number two, and a minute later a funnel cloud was observed over Crane by the Emergency Coordinator. Hail the size of golf balls fell at 1817 CST in Crane, about the same time that another funnel was seen over town. Meanwhile, the large storm was bringing strong winds to southern Ector County. At 1810 CST the public reported winds to 60 mph (52 knots) 7 miles south of Odessa on U. S. Highway 385.
Gastro County	3	1730 CST			0	0	0	0	Hail (0.88)
		1813 CST			0	0	0	0	Hail (1.75)
		1855 CST			0	0	0	0	Hail (1.75)
		1910 CST			0	0	0	0	Hail (0.75)
									A slow-moving thunderstorm brought hail the size of nickels to Dimmitt, according to the Sheriff's Office. At 1813 CST, golf ball size hail was observed by a Sheriff's Deputy ten miles west of Dimmitt. Then, at 1855 CST, the same storm brought golf ball size hail to the Community of Hart, in the southeast part of the county. Dime size hail fell in Hart at 1910 CST.
Midland County	3	1806 CST							Funnel
		1815 CST	3.0	120	0	0	0	0	Tornado (F0)
									A spotter observed a funnel 5 miles east of the intersection of Farm Roads 1787 and 1788, in the southwest corner of the county. Nine minutes later a tornado touched down on Farm Road 1788, six miles south of Midland.
Deaf Smith County	3	1825 CST			0	0	0	0	Hail (1.75)
		1853 CST			0	0	0	0	Hail (1.75)
									A thunderstorm generated golf ball size hail at Dawn, in the eastern part of the county, according to Hereford Police. About a half hour later, the Sheriff's Office reported that hail of the same size again peppered Dawn.
Randall County:									
10 W of Canyon	3	1850 CST			0	0	0	0	Hail (1.00)
10 W of Canyon		1907 CST			0	0	0	0	Hail (0.88)
Potter County:									
Bushland		1855 CST			0	0	0	0	Hail (0.88)
									The Deaf Smith County thunderstorm moved into both Potter and Randall counties, producing quarter size hail at 1850 CST along State Highway 168 in western Randall County. Five minutes later nickel size hail was observed at Bushland, in Potter County. Nickel size hail also fell at 1907 CST along State Highway 168 in Randall County.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INURED	PROPERTY	CROPS	
<b>TEXAS, Western</b>									
Ector County	3	1851 CST			0	0	0	0	Hail (1.00)
		1930 CST			0	0	0	0	Hail (1.00)
		1932 CST			0	0	0	0	Hail (1.00)
		1945 CST							Funnel
		A powerful thunderstorm moved through the county, bringing a large area of one-inch hail along with a funnel cloud. At 1851 CST the public reported one-inch hail in West Odessa. At 1930 CST hail of the same size fell at Goldsmith, about 12 miles northwest of Odessa. Then, two minutes later, hail the size of quarters fell over much of town. The hail fell for about 15 minutes. A funnel cloud was observed at 1945 CST by a Sheriff's Deputy at the intersection of 81st Street and Florida in Odessa.							
Upton County	3	1902 CST			0	0	0	0	Hail (1.75)
		Golf ball size hail was reported by the public to have fallen on State Highway 349, 35 miles south of Midland.							
Hockley County	3	1910 CST							Funnel
		A weather observer at Reese Air Force Base reported a funnel cloud 5 miles west of the base, 3 miles east of Smyer.							
Hall County	3	1920 CST			0	0	0	0	Hail (2.50)
		Tennis ball size hail pelted Turkey, according to the Turkey Volunteer Fire Department.							
Lamb County	3	1925 CST			0	0	0	0	Hail (0.88)
		The Fire Department reported nickel size hail in Olton.							
Bailey County	3	1930 CST	8.0	880	0	0	5	4	Tornado (F2)
		A large tornado developed two miles east of Muleshoe, near State Highway 70. The tornado was a half mile wide at its largest and remained on the ground for 25 minutes. The slow-moving storm covered only 8 miles during that period, during which time there was no precipitation and no lightning or thunder. The tornado destroyed two houses, damaged a third, and moved yet another off its foundation. No injuries were reported, although several farm animals were killed.							
Midland County	3	1943 CST							Funnel
		The public reported a funnel cloud 7 miles northeast of Midland, along Interstate 20, in the northeast part of the county.							
Glasscock County	3	2010 CST			0	0	0	0	Hail (0.88)
		The public observed nickel size hail in Garden City.							
Ector County	3	2015 CST							Funnel
		2035 CST			0	0	0	0	Hail (0.88)
		2036 CST							Funnel
		A funnel cloud was observed in northwest Odessa, according to the Fire Department. Twenty minutes later hail the size of nickels was observed in Gardendale, about 7 miles north of Odessa. Then, at 2036 CST, radio station KG100 in Odessa received several sightings of a funnel cloud over Odessa.							
Childress County	3	2022 CST			0	0	0	0	Hail (1.75)
		2035 CST			0	0	0	0	Hail (1.75)
		2050 CST			0	0	0	0	Hail (4.50)
		A huge supercell roared through the county, generating large hail. At 2022 CST the Sheriff's Office reported golf ball size hail in the southwest part of the county. Thirteen minutes later radio station KCTX reported golf ball size hail at their station in Childress. At 2050 CST the DPS encountered hail the size of softballs in the northwest part of the county. No significant damage was noted.							
Midland County	3	2025 CST			0	0	0	0	Hail (1.75)
		2052 CST			0	0	0	0	Hail (0.75)
		Hail the size of golf balls was reported by the public in the Greentree addition of northwest Midland. At 2052 CST dime size hail was noted in northeast Midland.							
Glasscock County	3	2040 CST			0	0	0	4	Tstm Wind (Est. 75)
		Thunderstorm winds estimated at 75 knots uprooted large trees 2 miles south of Garden City.							
Ector County	3	2050 CST			0	0	0	0	Hail (1.75)
		2059 CST			0	0	0	0	Hail (1.75)
		The public reported golf ball size hail 12 miles west of west Odessa. Nine minutes later the Fire Department observed hail of the same size in west Odessa.							
Midland County	3	2152 CST			0	0	0	0	Hail (0.75)
		Dime size hail was reported in northeast Midland by off-duty weather service personnel.							
<b>TEXAS, Western</b>									
Castro County	3	2210 CST			0	0	0	0	Hail (1.75)
		Another strong thunderstorm moved through the Community of Hart, delivering golf ball size hail.							
Gaines County	3	2225 CST			0	0	0	0	Hail (0.75)
		The public observed dime size hail on U. S. Highway 385 ten miles south of Seminole.							
Winkler County	3	2300 CST			0	0	4	0	Tstm Wind (75)
		The Wink Flight Service Station reported that thunderstorm winds tore the roof off the VFW Hall 2 miles west of Kermit.							
Randall County: Srn. Amarillo Potter County: Amarillo	3	2302 CST			0	0	0	0	Hail (1.00)
		2319 CST			0	0	0	0	Hail (0.75)
		Skywarn spotters reported quarter size hail at the intersection of Interstate 27 and Rockwell Road, in northernmost Randall County. Seventeen minutes later the same storm brought dime size hail to Amarillo at the intersection of Interstate 40 and Eastern Street.							
Hale County	3	2340 CST			0	0	0	0	Hail (1.00)
		The Sheriff's Office reported marble to quarter size hail in the City of Plainview.							
Andrews County	4	0040 CST			0	0	0	0	Hail (0.75)
		0130 CST			0	0	0	0	Hail (1.00)
		The public reported dime size hail 5 miles west of the City of Andrews. At 0130 CST the Police Department reported hail the size of quarters in Andrews.							
Floyd County	4	0040 CST			0	0	0	0	Flash Flooding
		Repeat rains over the county during the preceding 6 hours resulted in flash flooding that sent water over many roads in the county. The City of Floydada was cut off by water for several hours.							
Martin County	4	0118 CST	8.5	200	0	0	0	0	Tornado (F1)
		0130 CST	4.0	140	0	0	0	0	Tornado (F1)
		A citizen observed a tornado 2 miles west of the Tarzan Community. Fifteen minutes later the twister was seen by Sheriff's Deputies 10 miles north of Stanton. Meanwhile, another tornado was observed by Stanton Police to touch down 1 mile north of Stanton, in the southeast part of the county. No damage was noted.							
Howard County: Big Spring 8 N of Big Spring Martin County: 2 E of Tarzan	4	0153 CST			0	0	0	0	Tstm Wind (52)
		0210 CST			0	0	0	0	Tstm Wind
		0156 CST	3.0	100	0	0	0	0	Tornado (F0)
		A supercell brought thunderstorm winds that gusted to 60 mph (52 knots) across the north side of Big Spring. At 0156 CST a Sheriff's Deputy observed a tornado 2 miles east of Tarzan, in eastern Martin County. About 15 minutes later a Deputy's automobile was blown off U. S. Highway 87 eight miles north of Big Spring.							
Dawson County	4	0252 CST	1.5	60	0	0	0	0	Tornado (F0)
		The Sheriff's Office reported a tornado 10 miles east of Lamesa.							
Pecos County	6	1420 CST	4.0	150	0	0	4	0	Tornado (F1)
		1434 CST			0	0	0	0	Hail (1.00)
		1510 CST			0	4	5	0	Tstm Wind (70)
		The public reported a tornado at the Firestone Test Facility 12 miles west of Fort Stockton. One building was heavily damaged. Fourteen minutes later hail the size of quarters was observed by the public in Fort Stockton. At 1510 CST both Police and Sheriff's Department Officers observed thunderstorm winds that gusted to 70 knots in Fort Stockton. The wind tore roofs off a vacant lumberyard building and a car wash, blew out windows at a department store, knocked down numerous power poles and inflicted roof and sign damage at a vacant motel.							
Lamb County	6	1421 CST			0	0	0	0	Hail (0.88)
		1445 CST			0	0	0	0	Hail (1.75)
		A strong thunderstorm moved across the northern part of the county, bringing hail the size of nickels to the City of Springlake. At 1445 CST the Olton Fire Department observed hail from the size of quarters up to golf balls 5 miles south of that town.							

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	

**TEXAS, Western**

<p>Hale County</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>6 1510 CST</td><td>0.5</td><td>60</td><td>0</td><td>0</td><td>0</td><td>0</td><td>Tornado (F0)</td></tr> <tr><td>1515 CST</td><td></td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>Hail (0.75)</td></tr> <tr><td>1540 CST</td><td></td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>Hail (2.50)</td></tr> <tr><td>1545 CST</td><td>2.0</td><td>120</td><td>0</td><td>0</td><td>4</td><td>0</td><td>Tornado (F1)</td></tr> <tr><td>1546 CST</td><td>1.0</td><td>90</td><td>0</td><td>0</td><td>0</td><td>0</td><td>Tornado (F0)</td></tr> <tr><td>1549 CST</td><td>2.5</td><td>200</td><td>0</td><td>0</td><td>5</td><td>0</td><td>Tornado (F2)</td></tr> <tr><td>1550 CST</td><td></td><td></td><td>0</td><td>1</td><td>5</td><td>0</td><td>Hail (2.75)</td></tr> </table> <p>A powerful supercell continued to develop as it moved eastward out of Lamb County, generating several confirmed tornadoes and large hail. Shortly after the storm moved into western parts of the county it produced tornado #1, observed by the Olton Fire Department 5 miles east of Olton. Five minutes after that the Edmonson Fire Department observed dime size hail in that community.</p> <p>As the storm approached Plainview it was being filmed by the Texas Tech Storm Intercept Team. According to TTU Intercept Team members, tornado #2 touched down briefly at 1545 CST on the south side of Plainview, near the airport, and inflicted damage to outbuildings and fences. Ahead of the wall cloud a strong gustnado developed 1 mile east of Farm Road 400, along Running Water Draw. The gustnado inflicted no discernible damage. Shortly thereafter however, tornado #4 touched down near a cluster of grain elevators. The strong tornado inflicted severe damage to several elevators, adjacent power lines, houses, and outbuildings. Hail the size of baseballs pounded Plainview northward for about 5 miles at 1555 CST, according to the City's Emergency Operations Center. One police officer was injured when hail broke out his police car windshield and showered him with glass. The hail also resulted in significant roof damage across town.</p> <p>Ector County</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>6 1607 CST</td><td></td><td></td><td></td><td></td><td></td><td></td><td>Funnel</td></tr> <tr><td>1614 CST</td><td></td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>Hail (1.75)</td></tr> <tr><td>1625 CST</td><td></td><td></td><td>0</td><td>1</td><td>5</td><td>0</td><td>Tstm Wind (52)</td></tr> <tr><td>1629 CST</td><td></td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>Hail (1.50)</td></tr> <tr><td>1650 CST</td><td>3.0</td><td>100</td><td>0</td><td>0</td><td>4</td><td>0</td><td>Tornado (F1)</td></tr> </table> <p>The Fire Department relayed public reports of a funnel cloud in west Odessa. Seven minutes later the Sheriff encountered golf ball size hail in west Odessa. The hail was followed at 1625 CST by an intense microburst that inflicted severe damage at the Chateau Mobile Home Park. Sixteen mobile homes were either heavily damaged or destroyed by what some residents believed to have been a tornado. One resident of the park sustained cuts from flying glass. At 1629 CST 1.50 inch hail was observed by a Skywarn spotter 5 miles southwest of Odessa. At 1650 CST a DPS officer reported a tornado that snapped power poles, destroyed signs and overturned a tractor-trailer rig on Interstate 20 four miles southwest of Odessa.</p> <p>Glasscock County</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>6 1615 CST</td><td></td><td></td><td>1</td><td>1</td><td>5</td><td>3</td><td>Tstm Wind (89)</td></tr> </table> <p>A powerful microburst ripped through the Lawrence Community, 20 miles southwest of Garden City. According to a Sheriff's Deputy, winds gusting to 100 mph (89 knots) severely damaged two mobile homes and an oil field building, snapped power poles and uprooted a large willow tree. Ms. Magadela Contreras, age 29, died in one of the mobile homes as it was crushed around her.</p> <p style="text-align: center;">F29M</p> <p>Floyd County</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>6 1640 CST</td><td></td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>Hail (3.00)</td></tr> </table> <p>The Hale County cyclic supercell moved into western Floyd County, and Floydada Fire Department officials encountered hail the size of lemons 11 miles northwest of Floydada. Shortly afterward, this storm began to weaken as another powerful supercell intensified to its south in Crosby County.</p> <p>Crosby and Dickens Counties Crosby County: 1/4 SW Crosbyton</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>6 1650 CST</td><td>26</td><td>900</td><td>0</td><td>0</td><td>4</td><td>4</td><td>Tornado (F3)</td></tr> <tr><td>1655 CST</td><td></td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>Hail (2.75)</td></tr> </table> <p>An intense supercell built on the southern flank of the Hale and Floyd counties supercell. The Crosby County storm generated a very large tornado that initially touched down 3 miles south of Lorenzo. According to Lubbock television meteorologist Bob Kleyla, who observed the tornado at close range, the tornado began as a large dust column, quickly developed a condensation funnel and within 5 minutes became very large and multiple vortex. The tornado moved east-southeast, crossing the intersection of Highways 40 and 651 and continued across White River Reservoir. The massive storm finally lifted 8 miles west of Spur, in Dickens County.</p> <p>The tornado was on the ground for 30 minutes. During its lifetime it snapped 13 power poles and a cross-country transmission tower. Farm buildings, fences, and almost every tree along the path of the tornado sustained total damage. Witnesses described the storm as "three separate tornadoes rotating around each other," a common description of a multiple vortex tornado. At 1655 CST Crosbyton Police observed baseball size hail 0.25 mile southwest of the city.</p>	6 1510 CST	0.5	60	0	0	0	0	Tornado (F0)	1515 CST			0	0	0	0	Hail (0.75)	1540 CST			0	0	0	0	Hail (2.50)	1545 CST	2.0	120	0	0	4	0	Tornado (F1)	1546 CST	1.0	90	0	0	0	0	Tornado (F0)	1549 CST	2.5	200	0	0	5	0	Tornado (F2)	1550 CST			0	1	5	0	Hail (2.75)	6 1607 CST							Funnel	1614 CST			0	0	0	0	Hail (1.75)	1625 CST			0	1	5	0	Tstm Wind (52)	1629 CST			0	0	0	0	Hail (1.50)	1650 CST	3.0	100	0	0	4	0	Tornado (F1)	6 1615 CST			1	1	5	3	Tstm Wind (89)	6 1640 CST			0	0	0	0	Hail (3.00)	6 1650 CST	26	900	0	0	4	4	Tornado (F3)	1655 CST			0	0	0	0	Hail (2.75)	<p><b>TEXAS, Western</b></p> <p>Upton County</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>6 1655 CST</td><td></td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>Hail (1.00)</td></tr> </table> <p>The public reported 0.75 to 1.00 inch hail in Rankin.</p> <p>Sterling County</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>6 1720 CST</td><td></td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>Hail (2.00)</td></tr> <tr><td>1720 CST</td><td></td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>Hail (1.75)</td></tr> </table> <p>Hail the size of hen eggs was reported by DPS Officers 5 miles west of Sterling City. At that time golf ball size hail fell in the city.</p> <p>Ochiltree County</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>6 1732 CST</td><td></td><td></td><td>0</td><td>0</td><td>6</td><td>5</td><td>Hail (2.75)</td></tr> <tr><td>1735 CST</td><td></td><td></td><td>0</td><td>0</td><td>5</td><td>0</td><td>Tstm Wind</td></tr> </table> <p>Hail the size of baseballs was reported near Perryton. Total damage, including residential and business roofs and glass, automobiles, trees and crops, was well in excess of ten million dollars according to Perryton Mayor Doug Hale. In addition, thunderstorm winds inflicted damage to an awning, a roof and a tarpot 2 miles northeast of Perryton. Three miles further east of that site a round top building was lifted off its concrete foundation and carried 50 yards, a silo and farm machinery were heavily damaged and a gasoline station lost its roof.</p> <p>Dickens County</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>6 1745 CST</td><td></td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>Hail (1.75)</td></tr> </table> <p>The Sheriff encountered golf ball size hail 2 miles west of Spur.</p> <p>Cottle County</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>6 1830 CST</td><td></td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>Hail (1.75)</td></tr> </table> <p>The Sheriff's Dispatcher reported golf ball size hail in Paducah.</p> <p>Lipscomb County</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>6 1830 CST</td><td></td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>Hail (1.75)</td></tr> <tr><td>1918 CST</td><td>10.0</td><td>200</td><td>0</td><td>0</td><td>0</td><td>0</td><td>Tornado (F1)</td></tr> <tr><td>1918 CST</td><td></td><td></td><td>0</td><td>0</td><td>?</td><td>?</td><td>Hail (4.50)</td></tr> </table> <p>The Sheriff's Department reported golf ball size hail near the Community of Lipscomb. At 1918 CST a Sheriff's Deputy observed a tornado 8.5 miles south of Lipscomb, in the southern part of the county. At that location hail as large as softballs was also encountered. The tornado remained on the ground at least 15 minutes, covering 10 miles as it moved to a point halfway between Glazier and Higgins.</p> <p>Lipscomb County: 8.5 S Lipscomb</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>6 2013 CST</td><td>1.0</td><td>60</td><td>0</td><td>0</td><td>0</td><td>0</td><td>Tornado (F0)</td></tr> <tr><td>2013 CST</td><td></td><td></td><td>0</td><td>0</td><td>?</td><td>?</td><td>Hail (4.50)</td></tr> </table> <p>8 S Lipscomb</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>2033 CST</td><td>1.0</td><td>40</td><td>0</td><td>0</td><td>0</td><td>0</td><td>Tornado (F0)</td></tr> </table> <p>The Sheriff's Office reported a tornado 8.5 miles south of Lipscomb that touched down briefly in conjunction with baseball to softball size hail in the same location. Twenty minutes later a DPS officer sighted a second twister, this time 8 miles south of Lipscomb along Highway 305. Both tornadoes were moving east in mainly open country and apparently inflicted no damage.</p> <p>Sherman County: Stratford</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>8 2155 CST</td><td></td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>Hail (0.75)</td></tr> <tr><td>2250 CST</td><td></td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>Flash Flooding</td></tr> </table> <p>Moore County: Etter Sherman and Moore Counties: along the county line</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>2200 CST</td><td></td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>Hail (1.75)</td></tr> <tr><td>2200 CST</td><td></td><td></td><td>0</td><td>0</td><td>4</td><td>0</td><td>Tstm Wind</td></tr> </table> <p>A large thunderstorm brought dime size hail to the Stratford area at 2155 CST, according to the Sheriff's Office. Within the hour, substantial rains forced closure of most highways in northern parts of the county due to water over roadways.</p> <p>Meanwhile, golf ball size hail pounded the Community of Etter in southern Moore County at 2200 CST, the same time that thunderstorm winds were downing 45-foot power lines along the Moore-Sherman county line.</p> <p>Lubbock County</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>8 2254 CST</td><td></td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>Hail (0.88)</td></tr> </table> <p>An off-duty Weather Service meteorologist observed hail the size of nickels in southwest Lubbock. Wind gusted to an estimated 50 mph (43 knots) with the storm. Damage from the hail was inconsequential.</p> <p>Tom Green County</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>10 1310 CST</td><td></td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>Hail (1.75)</td></tr> </table> <p>Golf ball size hail was observed by a DPS patrolman at Grape Creek, in the northwest corner of the county.</p> <p>Midland County</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>10 1420 CST</td><td></td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>Hail (1.50)</td></tr> <tr><td>1434 CST</td><td></td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>Hail (2.75)</td></tr> <tr><td>1443 CST</td><td></td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>Hail (1.00)</td></tr> </table> <p>A powerful supercell brought large hail to the Midland area. The first report was by a retired NWS employee of quarter size hail at 1420 CST in Midland. At that same time the public reported 1.50 inch hail in the City of Midland. The public reported baseball sized hail at 1434 CST. As the storm moved to the northeast, a Skywarn spotter encountered hail up to the size of quarters 5 miles northeast of Midland on Interstate 20.</p>	6 1655 CST			0	0	0	0	Hail (1.00)	6 1720 CST			0	0	0	0	Hail (2.00)	1720 CST			0	0	0	0	Hail (1.75)	6 1732 CST			0	0	6	5	Hail (2.75)	1735 CST			0	0	5	0	Tstm Wind	6 1745 CST			0	0	0	0	Hail (1.75)	6 1830 CST			0	0	0	0	Hail (1.75)	6 1830 CST			0	0	0	0	Hail (1.75)	1918 CST	10.0	200	0	0	0	0	Tornado (F1)	1918 CST			0	0	?	?	Hail (4.50)	6 2013 CST	1.0	60	0	0	0	0	Tornado (F0)	2013 CST			0	0	?	?	Hail (4.50)	2033 CST	1.0	40	0	0	0	0	Tornado (F0)	8 2155 CST			0	0	0	0	Hail (0.75)	2250 CST			0	0	0	0	Flash Flooding	2200 CST			0	0	0	0	Hail (1.75)	2200 CST			0	0	4	0	Tstm Wind	8 2254 CST			0	0	0	0	Hail (0.88)	10 1310 CST			0	0	0	0	Hail (1.75)	10 1420 CST			0	0	0	0	Hail (1.50)	1434 CST			0	0	0	0	Hail (2.75)	1443 CST			0	0	0	0	Hail (1.00)
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# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	
<b>TEXAS, Western</b>											
Ector County	10	1439 CST 1441 CST 1448 CST 1505 CST			0	0	0	0	0	0	Hail (0.75) Hail (1.75) Hail (1.75) Funnel
		A severe multicell thunderstorm developed west of the Midland County supercell, bringing large hail and a funnel cloud. At 1439 CST the public reported dime size hail in Goldsmith. Shortly thereafter, hail the size of golf balls was observed by the public in Notrees. A Skywarn spotter encountered golf ball size hail at 1448 CST between Notrees and Goldsmith, and at 1505 CST a funnel cloud was reported over Gardendale, in the northeast part of the county.									
Martin County	10	1507 CST			0	0	0	0	0	0	Hail (1.75)
		The Sheriff reported golf ball size hail in southern parts of the county.									
Coke County	10	1513 CST			0	0	5	0	0	0	Lightning
		Lightning struck an oil tank in Robert Lee and set it on fire. Damage was estimated at \$100,000.									
Ector County	10	1520 CST	20.0	100	0	0	0	0	0	0	Tornado (F0)
		A series of small, brief tornado vortices were reported by Skywarn spotters, the public, and Notrees Police from Notrees east-northeast to Gardendale. There were as many as six or seven separate tornado vortices that formed sequentially beneath the same tornado circulation and wall cloud aloft. The tornado occurred in open country and resulted in no damage.									
Ector County	10	1527 CST 1610 CST 1627 CST 1630 CST	7.0	100	0	0	0	0	0	0	Tornado (F0) Hail (1.75) Tstm Wind (70) Hail (1.75)
		Another cyclic supercell developed on the southern flank of the storm that moved across northern Ector County. This storm brought a series of small, brief tornado vortices that were seen by the Odessa Fire Department. The twisters were observed from near West Odessa east-northeast into northern Odessa. At 1610 CST and again twenty minutes later hail the size of golf balls fell in the City of Odessa. Meanwhile, the storm lashed West Odessa with 80 mph (70 knot) winds, as measured by the Fire Department.									
Andrews County	10	1530 CST			0	0	0	0	0	0	Hail (1.00)
		The Sheriff reported hail the size of quarters near the City of Andrews.									
Howard County	10	1548 CST 1604 CST			0	0	0	0	0	0	Hail (1.75) Hail (1.50)
		Police officers observed golf ball size hail 3 miles southwest of Big Spring at 1548 CST. At 1604 CST a Skywarn spotter reported hail the size of walnuts in the City of Big Spring.									
Howard County	10	1550 CST			0	0	0	0	0	0	Hail (1.75)
		Hail the size of golf balls was reported in Big Spring.									
Ector County	10	1610 CST 1610 CST			0	0	0	0	0	0	Funnel Hail (1.75)
		The Odessa Fire Department reported a funnel cloud and golf ball size hail between Odessa and Goldsmith.									
Coke County	10	1612 CST			0	0	0	0	0	0	Hail (1.75)
		A DPS officer observed golf ball size hail on State Highway 158, ten miles west of Robert Lee.									
Yoakum County	10	1625 CST			0	0	0	0	0	0	Hail (1.75)
		The Denver City Police Department reported marble to golf ball size hail in Denver City.									
Runnels County	10	1647 CST			0	0	0	0	0	0	Hail (1.75)
		A police officer reported golf ball size hail in Winters.									
Midland County	10	1702 CST			0	0	0	0	0	0	Hail (0.75)
		An off-duty Weather Service employee reported dime size hail 4 miles west of Midland.									
Sterling County	10	Est. 1705 CST			0	0	0	0	0	0	Tstm Wind (52)
		Thunderstorm wind gusted to 60 miles an hour (52 knots) in Sterling City, according to the Sheriff's Office.									
<b>TEXAS, Western</b>											
Tom Green County	10	1706 CST 1750 CST			0	0	0	0	0	0	Tstm Wind (55) Tstm Wind (52)
		Thunderstorm wind gusted to 55 knots at Mathis Field in San Angelo. About 45 minutes later amateur radio operators experienced wind gusts to 60 miles an hour (52 knots) in the northwest part of town.									
Sterling County	10	1709 CST			0	0	0	0	0	0	Tstm Wind (57)
		The Sheriff's Office reported thunderstorm winds gusting to 65 miles an hour (57 knots) in Sterling City.									
Cochran County	10	1740 CST			0	0	0	0	0	0	Hail (1.75)
		The Sheriff's Office reported golf ball size hail in the Community of Lehman, which is 8 miles south-southwest of Morton.									
Ector County	10	1740 CST									Funnel
		The Odessa Fire Department reported a funnel cloud at West University and Loop 338 in Odessa.									
Howard County	10	1802 CST	2.0	90	0	0	0	0	0	0	Tornado (F0)
		Police and the public observed a tornado 3 miles south of Big Spring.									
Castro County	10	Est. 1830 CST			0	0	4	0	0	0	Tstm Wind
		Thunderstorm winds of unknown speed damaged the roof at a grain storage building in Dimmitt. A 20 x 50 foot section of the roof was lifted and carried 300 feet, resulting in about 8 thousand dollars worth of damage.									
Briscoe County	10	1854 CST			0	0	0	0	0	0	Hail (1.00)
		Quarter size hail struck at Quitaque, according to the Sheriff's Office. No damage was reported.									
Hall County	10	1905 CST			0	0	0	0	0	0	Tstm Wind (61)
		Thunderstorm winds gusted to 70 miles an hour (61 knots) at Turkey, according to the Police Department.									
Moore County	10	1908 CST			0	0	?	?	0	0	Hail (4.00)
		Hail the size of grapefruits fell for 12 minutes along State Highway 152 in eastern Moore County. Damage was undetermined.									
Donley County, Lelia Lake	10	1920 CST			0	0	0	0	0	0	Hail (0.88)
		Hail the size of nickels fell at Lelia Lake, according to the Sheriff's Office.									
Hall County	10	1924 CST	4.0	110	0	0	0	0	0	0	Tornado (F0)
		The Police Department reported a tornado 3 miles northwest of Estelline between 1924 CST and 1930 CST. The tornado inflicted no known damage.									
Swisher County	10	1925 CST			0	0	0	0	0	0	Tstm Winds (52)
		Thunderstorm winds gusted to 60 miles an hour (52 knots) at both Tulia and Kress, as observed by Sheriff's Deputies.									
Moore County	10	2007 CST	2.5	110	0	0	0	0	0	0	Tornado (F0)
		The Sheriff's Office reported a tornado 8 miles southwest of Sunray, near the Community of Sheerin in the northern part of the county.									
Hutchinson and Moore Counties	10	2015 CST 2015 CST	3.0	90	0	0	0	0	0	0	Tornado (F0) Hail (4.00)
		A tornado accompanied grapefruit size hail on the Hutchinson-Moore county line, 10 miles west of Stinnett.									
Donley County	10	2030 CST			0	0	0	0	0	0	Hail (1.00)
		Quarter size hail fell 4 miles south of Lelia Lake, according to the Sheriff's Office.									
Randall County	10	2030 CST			0	0	0	0	0	0	Hail (0.88)
		Nickel size hail was observed by an off-duty Weather Service employee in southwest Amarillo.									
Collingsworth County	10	2030 CST			0	0	0	0	0	0	Hail (0.88)
		Hail the size of nickels was observed by Sheriff's Deputies at Wellington.									
Hutchinson County	10	2040 CST	4.5	120	0	0	0	0	0	0	Tornado (F0)
		The Moore County supercell became cyclic in Hutchinson County, generating another tornado 8 miles north of Stinnett on State Highway 136.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	

**TEXAS, Western**

Andrews County	10 2043 CST				0	0	0	0	Hail (1.50)
	The public observed walnut size hail 2 miles west of the City of Andrews.								
Carson County	10 2045 CST				0	0	0	0	Hail (0.75)
	Dime size hail was reported in White Deer by the Fire Department.								
Armstrong County	10 2045 CST 2100 CST				0	0	0	0	Tstm Wind (52) Tstm Wind (57)
	Skywarn spotters encountered thunderstorm winds of up to 60 miles an hour (52 knots) on U. S. Highway 287 at Fairview, in the northwest corner of the county. At 2100 CST thunderstorm wind gusted to 65 miles an hour (57 knots) at the Dripling Ranch, 14 miles south of Claude.								
Roberts County	10 2100 CST				0	0	0	0	Tstm Wind (57)
	Thunderstorm winds of up to 65 miles an hour (57 knots) were encountered by spotters 10 miles west of Miami on Farm Road 282.								
Wheeler County: 2 SW of Mobeetie	10 2130 CST				0	0	0	0	Hail (0.75)
	Dime size hail was observed by a Sheriff's Deputy 2 miles southwest of Mobeetie.								
Roberts County: 5 NW of Miami	10 2200 CST				0	0	0	0	Tstm Wind (Est. 57)
	The Sheriff's Office reported thunderstorm winds estimated at 65 mph (57 knots) 5 miles northwest of Miami.								
Tom Green County	10 2202 CST				0	0	0	0	Tstm Wind (55)
	Thunderstorm wind gusted to 55 knots at Mathis Field, San Angelo.								
Dallas County	11 1705 CST				0	0	0	0	Hail (0.88)
	The Sheriff reported nickel size hail 20 miles west of Dalhart on State Highway 102. Hail fell for approximately 20 minutes.								
Hall County	11 1725 CST				0	0	0	0	Hail (0.88)
	The Police Department reported nickel size hail at Turkey, in the southwest corner of the county.								
Pecos County	11 1730 CST	4.5	140		0	0	0	0	Tornado (FO)
	The Sheriff's Office in Fort Stockton reported a tornado 5 miles north of the city.								
Pecos County	11 Est. 1815 CST				0	0	3	3	Tstm Wind
	Thunderstorm winds caused scattered tree and structural damage in Fort Stockton.								
Armstrong County	11 Est. 2045 CST				0	0	0	0	Hail (0.88)
	The Sheriff's Office reported that nickel sized hail fell between 2045 CST and 2145 CST at Claude.								
Carson County	11 2155 CST	4.0	150		0	0	0	0	Tornado (F1)
	A Skywarn spotter observed a tornado that touched down 1 mile north of Interstate 40, 8 miles west of Groom. The twister lifted 4 miles west of town at 2307 CST. No damage was discernible.								
Donley County	11 2302 CST 11 2307 CST	1.5 0.25	90 80		0	0	0	0	Tornado (FO) Tornado (FO)
	At 2302 CST a small tornado was reported 2 miles north of Clarendon by the Sheriff's Office. Five minutes later, a tornado with twin vortices moved across a mobile home park in Howardwick. Between 30 and 35 mobile homes were damaged or destroyed in addition to several small storage buildings. Roof damage was also inflicted to several adjacent permanent homes.								
Hall County	11 2317 CST 2340 CST	3.0	150		0	0	4	0	Funnels Tornado (FO)
	The Sheriff's Office reported several funnel clouds 2 miles northwest of Memphis, in the northeast part of the county. At 2340 CST the Memphis Police Department reported that a tornado moved across the hills two miles northwest of town, downing power lines.								
Childress County	12 0015 CST 0030 CST				0	0	0	0	Funnel Tstm Wind (57)
	A weather observer in Childress reported a funnel cloud visible over town between 0015 CST and 0032 CST. The parent storm also generated winds up to 65 miles an hour (57 knots).								

**TEXAS, Western**

Armstrong County	12 0145 CST				0	0	0	0	Hail (0.75)
	The Sheriff's Office reported dime size hail 3 miles south of Claude.								
Wheeler County	12 1552 CST				0	0	4	0	Hail (1.75)
	The Sheriff's Office reported that golf ball size hail broke out residential and business windows 6 miles east of the City of Wheeler.								
Wheeler County: Wheeler	12 1700 CST 1702 CST				0	0	0	0	Hail (2.00) Flash Flooding
Gray County: 9 NE of Lefors	1715 CST				0	0	0	0	Hail (2.75)
	A huge supercell engulfed both counties, bringing hail the size of hen eggs to the City of Wheeler, according to the Sheriff's Office. In addition, torrential rains resulted in flash flooding in Wheeler, and at 1715 CST baseball size hail fell along State Highway 152, 9 miles northeast of Lefors.								
Gray County	12 1715 CST				0	0	0	0	Hail (2.75)
	The Sheriff's Office reported baseball size hail 9 miles northeast of Lefors. No damage was noted.								
Potter County: Valle De Oro 15 N of Amarillo	12 1736 CST 1750 CST				0	0	0	0	Hail (1.00) Hail (0.88)
Carson County: Skellytown 4 N of White Deer 4 N of White Deer Skellytown Ern. Carson Co.	1815 CST 1819 CST 1827 CST 1844 CST 1900 CST				0	0	0	0	Hail (0.88) Hail (0.88) Hail (0.88) Hail (1.75) Flash Flooding
	A thunderstorm brought large hail to both counties, beginning with quarter size hail that was observed by the Valle De Oro Fire Department at that far-western Potter County community. Hail the size of nickels was encountered 4 miles south of U. S. Highway 287, near the Canadian River, in Potter County. At 1815 CST nickel size hail was reported at Skellytown (Carson County), and four minutes later 4 miles north of White Deer (Carson County). Hail the size of nickels was again reported at 1827 CST 4 miles north of White Deer. Then, at 1844 CST the Skellytown Fire Department reported golf ball size hail in that town. By 1900 CST rains from the mammoth storm brought flash flooding to the eastern part of the county. FM 294 between Skellytown and White Deer was covered by between 2 and 3 feet of water.								
Wheeler County	12 1750 CST 1758 CST				0	0	0	0	Hail (1.50) Flash Flooding
	The Sheriff's Office reported that 1.50 inch diameter hail fell at Mobeetie, and that 2.24 inches of rain in one and a half hours had inundated State Highway 152 east of Wheeler and at Mobeetie. U. S. Highway 83 both north and south of Wheeler was also covered with water.								
Oldham County	12 1800 CST				0	0	0	0	Hail (1.00)
	A Skywarn spotter at Boys Ranch, in the eastern part of the county, observed hail the size of quarters.								
Carson and Hutchinson Counties	12 1827 CST 1844 CST 1850 CST 1900 CST	1.0	100		0	0	0	4	Hail (0.88) Hail (1.75) Tornado (F1) Flash Flooding
	Nickel size hail fell 4 miles north of White Deer. The hail was reported to be as large as golf balls at 1844 CST in Skellytown. At 1850 CST a tornado briefly touched down one mile north of Fritch in southwestern Hutchinson County, destroying a barn and a porch, according to the Borger Police Department. Heavy rainfall in eastern Carson County brought flash flooding that forced closure of Farm Road 294 between Skellytown and White Deer, where between 2 and 3 feet of water covered the road.								
Gray County	12 1902 CST				0	0	?	0	Hail (1.75)
	The Sheriff's Office reported that between 4 and 6 inches of golf ball size hail covered the highway 6 miles north of McLean. The hail inflicted an unknown amount of automobile damage.								
Parmer County	12 1925 CST 1930 CST 1940 CST 1945 CST				0	0	0	0	Tstm Wind (65) Tstm Wind Funnel Tstm Wind (78)
	The Friona Police Department relayed a report from the local cable television company that wind was measured to be gusting up to 75 miles an hour (65 knots). Five minutes later large tree limbs were reported broken by the wind 0.5 mile east of Farwell. At 1940 CST Skywarn spotters observed a funnel cloud 2 miles north of Friona, and shortly thereafter winds measured at 90 miles an hour (78 knots) struck the City of Bovins. The strong wind broke wooden fences, uprooted and snapped large								

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

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					KILLED	INJURED	PROPERTY	CROPS	
<b>TEXAS, Western</b>									
Hutchinson County	12	1930 CST			0	0	0	0	Hail (0.75)
trees, wrapped bleachers around a power pole at the high school football stadium, and destroyed several storage and outbuildings across town.									
Potter County	12	1930 CST			0	0	0	0	Hail (0.75)
Hail the size of dimes was observed by a Sheriff's Deputy at Stinnett.									
Wheeler County: 3 SW of Shamrock	12	1938 CST			0	0	0	0	Hail (0.75)
The Shamrock Police Department reported pea to marble size hail 3 miles southwest of the city.									
Motley County	12	1950 CST 2006 CST 2010 CST 2020 CST 2020 CST 2022 CST 2042 CST 2230 CST	2.5	300	0	0	?	?	Hail (1.75) Hail (1.75+) Hail (2.50) Tornado (F1) Hail (2.00) Hail (2.50) Hail (2.50) Flash Flooding
A huge supercell lingered almost stationary in Motley County between 1930 CST and 2030 CST, generating large hail and a tornado. The initial report of severe weather came at 1950 CST when the Sheriff encountered golf ball size hail 4 miles west of Whiteflat. Sixteen minutes later the mammoth storm began to drop larger than golf ball size hail 10 miles north-northwest of Matador. The storm moved little but was strongly rotating both visibly and on radar. At 2010 CST tennis ball size hail was reported 10 to 12 miles north of Matador, or 3 miles east of Whiteflat. Ten minutes later the Matador Fire Department observed a tornado at the western edge of the large mesocyclone. Hen egg size hail was occurring at the same time and location. Two minutes later the Fire Department reported the hail to be tennis ball in size, and the tornado was still on the ground and apparently stationary. Tennis ball size hail was still falling 5 miles northwest of Whiteflat as of 2042 CST.									
During the next two hours the storm gradually lost supercell characteristics but produced 4 to 6 inch rains that caused major flash flooding in Matador.									
Gray County	12	2000 CST			0	0	0	0	Hail (2.75)
The Fire Department reported that baseball size hail fell simultaneously at Pampa and Lefors.									
Castro County	12	2005 CST 2030 CST			0	0	4	4	Tstm Wind (50) Lightning
Thunderstorm winds caused scattered damage to roofs, trees, and crops in the Dimmitt area for over an hour beginning at 2005 CST. One mobile home was severely damaged as its residents evacuated to a nearby shack. In addition, lightning caused a power outage in the downtown section, and a cable television amplifier struck by lightning required 12 hours to repair.									
Oldham County	12	2010 CST			0	0	0	0	Tstm Wind (52)
The Sheriff's Office reported 60 mile-an-hour (52 knot) winds at Vega.									
Randall County	12	2015 CST 2025 CST			0	0	0	0	Tstm Wind (61) Hail (1.00)
An off-duty DPS officer reported wind gusts to 70 miles an hour (61 knots) at 45th Street and Western in southwest Amarillo. Ten minutes later hail the size of quarters was observed by a Skywarn spotter at Interstate 27 and Rockwall.									
Potter County: 5 NE of Amarillo	12	2023 CST			0	0	0	0	Hail (1.75)
Carson County: Pantex White Deer	2048 CST 2050 CST				0	0	0	0	Hail (0.75) Hail (1.00)
A Skywarn spotter 5 miles northeast of Amarillo encountered golf ball size hail. At 2048 CST an employee at the Pantex Plant, just inside the southwest Carson County line on U. S. Highway 60, reported dime size hail. Two minutes later hail the size of quarters was observed at White Deer, also in Carson County.									
Bailey County	12	2050 CST			0	0	0	0	Hail (0.75)
Marble to dime size hail was encountered at Progress, in the northwest corner of the county, by a Sheriff's Deputy.									
Donley County	12	2100 CST			0	0	0	0	Hail (1.00)
Hail the size of quarters was observed in Clarendon. Some street flooding was also noted in town.									
<b>TEXAS, Western</b>									
Dawson County	12	2105 CST			0	0	0	0	Hail (1.75)
The Lamesa Police Department reported golf ball size hail 10 miles east of Lamesa.									
Swisher County	12	2115 CST			0	0	5	4	Tstm Wind (Est. 70)
The Sheriff reported that thunderstorm winds ripped down numerous power lines, destroyed several barns and uprooted many trees in the northern part of the county. The storm moved through Tulia about the same time, inflicting scattered roof and tree damage in town. Wind instrumentation at the Sheriff's residence measured over 80 miles an hour (70 knots).									
Hale County	12	2122 CST			0	0	?	?	Flash Flooding
A severe multicellular thunderstorm developed in the northern part of the county, producing very heavy rainfall that ran off saturated ground to result in flash flooding. Some of the worst conditions were in and around Plainview, where streets were under several feet of water. Interstate 27 was closed north of Hale Center through the county, as was U. S. Highway 70 from Plainview to Halfway. Numerous vehicles were stranded in the high water on both highways.									
Randall County	12	2125 CST			0	0	5	0	Tstm Wind (89)
Thunderstorm wind gusting to 100 miles an hour (89 knots) took the roof off an apartment complex in southern Amarillo. The roof was laid on a home behind the complex, and severe damage was inflicted to the home.									
Armstrong County	12	2130 CST			0	0	0	0	Tstm Wind (52)
The Sheriff's Office reported wind gusting to 60 miles an hour (52 knots) at Claude.									
Hall County	12	2141 CST 2202 CST 2233 CST			0	0	0	0	Hail (1.75) Funnel Tstm Wind (74)
Hail the size of golf balls was encountered by a Memphis Police officer 1 mile west of Brice, in the northwest corner of the county. At 2202 CST a Sheriff's Deputy reported a funnel cloud 5 miles southeast of Memphis. About a half hour later the same Deputy experienced wind gusts to 85 miles an hour (74 knots) in the northeast corner of the county.									
Garza County	12	2210 CST			0	0	0	0	Hail (0.75)
A cooperative observer in Post reported marble to dime size hail.									
Donley County	12	2215 CST 2237 CST			0	0	4	0	Hail (2.75) Hail (0.88)
Baseball size hail fell along Highway 70 four miles south of Clarendon, according to the Sheriff's Office. The hail damaged trees and roofs. Twenty-two minutes later nickel size hail fell north and west of Hedley, according to the Sheriff's Office.									
Lubbock County	12	2220 CST 2221 CST			0	0	0	0	Tstm Wind (Est. 50) Tstm Wind (52)
Thunderstorm winds estimated at 50 knots were observed by an off-duty Weather Service employee at Shallowater. A minute later the storm brought wind gusts of 60 miles an hour (52 knots) along with small hail and heavy rainfall to the area between Lubbock International Airport and Idalou, according to a Skywarn spotter.									
Donley County	12	2225 CST	2.0	100	0	0	0	0	Tornado (F0)
The Sheriff's Department reported a tornado 4 miles north of Hedley, along State Highway 273 in the southeast part of the county.									
Randall County	12	2235 CST			1	0	4	0	Flash Flooding
The severe storm that moved across southern Amarillo brought a flash flood to Palo Duro Canyon and resulted in the death of Joseph Trobaugh. The 69-year-old Trobaugh, of Indianapolis, drowned in the Prairie Dog Town Fork of the Red River. Mr. Trobaugh and his wife attempted crossing the stream in their vehicle after having been warned not to do so by the Park Ranger. When the vehicle stalled the couple exited it and were swept downstream. Mrs. Trobaugh made it to the bank, but Mr. Trobaugh's body was found the next day 6 miles downstream.									

M69V



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED <sup>1</sup> DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED <sup>1</sup> DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	

**TEXAS, Western**

Childress County	12 2235 CST		0	0	6	6	Tstm Wind (61)		
<p>A powerful thunderstorm brought damaging straight-line winds to the Childress vicinity, resulting in extensive damage to both structures and crops. At 2235 CST, radio station KCTX recorded wind gusts to 70 miles an hour (61 knots) in Childress. About that time the Childress Country Club experienced \$35,000 of damage to golf greens, when sheet metal and wooden rafters were driven into the ground, golf clubs were strewn and storage buildings destroyed. Numerous trees were uprooted throughout town, and fences laid flat. In addition, the wind broke windows and lifted off shingles across town at both businesses and residences. The city reported that traffic signs were twisted and bent to the ground.</p>									
Crosby County: 10 W of Spur	12 2235 CST		0	0	0	0	Hail (1.75)		
9 W of Spur	2305 CST		0	0	0	0	Hail (1.75)		
Dickens County: 11 W of Dickens	2315 CST		0	0	0	0	Hail (2.75)		
11 W of Dickens	2320 CST						Funnel		
<p>A Dickens County Sheriff's Deputy encountered golf ball size hail on Farm Road 2794, ten miles west of Spur in the extreme southeast corner of Crosby County. A half hour later the same deputy reported golf ball size hail along Farm Road 2794 at the Crosby-Dickens county line, 9 miles west of Spur. The hail grew to be as large as baseballs by 2315 CST, falling 11 miles west of Dickens on State Highway 836. A funnel cloud was observed 5 minutes later in the same location.</p>									
Collingsworth County: Wellington	12 2245 CST		0	0	0	0	Hail (0.75)		
<p>Dime size hail was reported in Wellington by the Sheriff's Office.</p>									
King County	12 2250 CST		0	0	0	0	Hail (1.75)		
<p>A Sheriff's Deputy encountered marble to golf ball size hail 3 miles east of Dumont on Farm Road 193, in the northwest corner of the county.</p>									
Lubbock County	12 2308 CST		0	0	5	0	Hail (1.75)		
<p>The public reported marble to golf ball size hail in northwest Lubbock, at the intersection of Erskine and Frankford. Several residential roofs in the northwest part of town sustained substantial damage.</p>									
Lubbock County	13 0015 CST		0	0	5	0	Lightning		
<p>Lightning set at least two structural fires in the northwest part of Lubbock. A warehouse in the 700 block of Erskine Street burned, resulting in about \$200,000 damage. The flames required about 6 hours to bring under control.</p>									
Donley and Hall Counties	13 0245 CST		0	0	?	?	Flash Flooding		
<p>The Sheriff's Office reported that U. S. Highway 287 from 8 miles east of Clarendon to Memphis was covered with water. Rains along the highway preceding the flood totalled 4 inches. Traffic was diverted around the floodwaters for 6 hours.</p>									
Briscoe County	13 1605 CST		0	0	0	0	Hail (0.75)		
<p>Pea to dime size hail occurred in the northwest part of Silverton, according to the Sheriff's Office.</p>									
Terrell County	13 2005 CST						Funnel		
<p>The public reported a funnel cloud 25 miles northeast of Sanderson.</p>									
Pecos County	13 2005 CST		0	0	3	0	Tstm Wind (50)		
<p>Thunderstorm wind overturned an automobile in Sheffield, according to the Sheriff's Office. The vehicle was heavily damaged.</p>									
Dallam County	20 1954 CST		0	0	0	0	Tstm Wind (54)		
<p>The Flight Weather Observatory at Dalhart measured thunderstorm wind gusts to 62 miles an hour (54 knots).</p>									
El Paso County	21 1922 MST		0	0	5	0	Tstm Wind (Est. 78)		
<p>An apparent dry microburst produced winds estimated at 70 to 90 miles an hour (61 to 78 knots) in a small area 3 miles southwest of Anthony, in the extreme western corner of the county. A large home was heavily damaged, and several mobile homes nearby were extensively damaged. The home was partially unroofed, with roofing crushing much of the remainder of the \$250,000 structure.</p> <p>There was no rain or thunder preceding or in conjunction with the windstorm, only 10 seconds of wind, according to the family members who were in the house at the time. Remarkably, none were injured.</p>									

**TEXAS, Western**

Ector County	22 Est. 1815 CST		0	0	0	0	Hail (0.75)		
	Est. 1815 CST		0	0	4	0	Tstm Wind		
<p>The public reported building damage by wind and dime size hail in the Community of Penwell.</p>									
Brewster County	27 1530 CST		0	0	5	0	Tstm Wind (52)		
<p>Thunderstorm winds tore through the east side of Alpine, heavily damaging the Highland Inn. About 30 of the 44 rooms at the Inn were closed due to the partial or total loss of roofing, with a half dozen also receiving severe rain damage. The damaging winds were measured at 60 miles an hour (52 knots) by radio station KVLF. Other scattered damage across the east side of town included downed signs, broken trees limbs, and uplifted shingles.</p>									
Hartley County: Hartley	28 2000 CST		0	0	0	0	Tstm Wind (61)		
<p>Thunderstorm wind gusted to 70 mph (61 knots) at Hartley, according to the Sheriff's Office.</p>									
Winkler County	28 2057 CST		0	0	4	3	Tstm Wind (57)		
	2057 CST		0	0	0	0	Hail (0.75)		
<p>A thunderstorm roared through the City of Wink, accompanied by wind gusting to 65 miles an hour (57 knots) and dime size hail. The wind broke large branches off many trees and overturned a 12 x 40 foot prefabricated building.</p>									
<b>42 UTAH</b>									
Millard County, 10 to 15 S Delta	07 1655MST	? ?	0	0	1	0	Tornado (F0)		
<p>A tornado was observed 10 to 15 miles south of Delta. The funnel was on the ground for approximately 3 to 4 minutes then receded back up into the clouds. The tornado occurred over a field and caused no damage to property.</p>									
Salt Lake County, Salt Lake City	10 0000MST		0	0	4	0	Flash Flood		
<p>Heavy rain in Emigration Canyon produced a flash flood that residents of the canyon described as running straight down the hillside. The flooding occurred on a slope that had been denuded by a forest fire the previous summer. Considerable amounts of mud and rock accompanied the water, which quickly filled the lower portions of six homes.</p>									
Salt Lake County, West Valley City	15 1845MST		0	0	1	0	Thunderstorm Wind (68)		
<p>A thunderstorm wind gust to 78 mph was reported in West Valley City. The wind report was accompanied by a report of roof damage in the same area.</p>									
Salt Lake County, West Kearns	27 1612MST		0	0	1	0	High Wind (65)		
<p>A wind gust of 61 mph was reported by a spotter in Kearns.</p>									
<b>43 VERMONT</b>									
Addison County Middlebury	09 unknown		0	0	3	0	TSTM Wind		
<p>Trees were downed. One car was crushed when a large tree fell on it.</p>									
Rutland County Pawlet	27 2315EST		0	0	3	3	TSTM Wind		
Pawlet	27 2315EST		0	0	3	0	Rain		
Bennington County Manchester Village	27 2340EST		0	0	2	0	TSTM Wind		
Manchester	27 2341EST		0	0	3	3	TSTM Wind		
Glastenbury	28 0000EST		0	0	2	0	TSTM Wind		
Windham County Dover	28 0000EST		0	0	3	2	TSTM Wind		
<p>Trees and power lines were downed. Heavy rain also washed out sections of local dirt roads and trails.</p>									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>44 VIRGINIA</b>									
Augusta Co, New Hope	2	1235EST			0	0	?	0	Thunderstorm Wind
									Strong winds downed about a dozen trees which destroyed two cars, and snapped off utility poles. Several sheds and barns were damaged or destroyed.
Smyth Co.	2	1355EST			0	0	?	?	Thunderstorm Wind (52kt)
									Many trees were downed throughout the county.
Pulaski Co, Pulaski	2	1505EST			0	0	?	0	Thunderstorm Wind
									Strong winds downed some trees and blew in several windows.
Louisa Co.	2	1511EST			0	0	?	?	Thunderstorm Wind Hail (0.75)
									Winds estimated at over 60 mph downed hundreds of trees throughout the county, some of which blocked State Route 22. A housetop was blown off and a barn was blown down. Hail 3/4 inch in diameter pelted the Zion Crossroads area.
Albemarle Co, Crismont Orange Co, Gordonsville	2	1515EST			0	1	5	?	Thunderstorm Wind
									Winds estimated at over 60 mph downed hundreds of trees. At least 15 homes and two vehicles were struck by falling trees. One woman was injured when the car she was in was struck by a falling tree. Most of the damage occurred in a wide path from Crismont northeast to near Gordonsville, but there was no evidence of a tornado.
Fluvanna Co, 5 N Palmyra	2	1520EST			0	0	?	?	Hail (0.75)
Carroll and Grayson Counties	2	1530EST			0	0	?	?	Thunderstorm Wind
									Strong winds downed numerous trees and snapped some telephone poles at scattered locations of Carroll and Grayson counties. There was also some hail.
Floyd Co.	2	1600EST			0	0	?	?	Thunderstorm Wind
									Large trees were downed, some of which blocked roads.
Caroline Co.	2	1620EST			0	0	?	?	Thunderstorm Wind
									Winds estimated at 60 mph downed several trees in the vicinities of Woodford, Ladysmith, and Ruther Glen.
Powhatan Co, Amelia	2	1640EST			0	0	?	0	Thunderstorm Wind
									Several large trees were downed in the southeast part of Powhatan County, especially in the vicinity of Amelia.
Goochland Co.	2	1645EST			0	0	?	?	Thunderstorm Wind Hail
									Winds estimated at 60 mph downed some trees and power lines in eastern and western parts of the county. There was also a report of large hail, but the exact size is unknown.
Henrico Co.	2	1700EST			0	0	?	0	Thunderstorm Wind (38kt)
									Several trees were downed at scattered locations. A gust of 38 knots was measured at Byrd Field.
Chesterfield Co, East part	2	1715EST			0	0	?	0	Thunderstorm Wind
									Winds estimated at 60 mph downed numerous trees, especially across the Midlothian Turnpike and in Southside.
Pittsylvania Co, Chatham	2	1715EST			0	0	?	?	Hail (1.00)
Pittsylvania Co, Gretna	2	1715EST			0	0	?	0	Thunderstorm Wind
									Several trees were downed, and a church was damaged by a falling tree.
<b>— VIRGINIA</b>									
Charles City Co.	2	1730EST			0	0	?	?	Thunderstorm Wind Hail
									Numerous large trees were downed in scattered parts of the county and especially along State Routes 155, 609, and 631. A quarter mile of telephone poles and lines were blown down. Large hail of unknown size was reported in the Glendale Acres vicinity in the western end of the county.
New Kent Co.	2	1730EST			0	0	?	?	Thunderstorm Wind Hail
									Several large trees were downed in the south and central parts of the county. A boat was overturned in the Chickahominy River. Hail of unknown size pelted the western part of the county.
Southampton Co, Brink	2	1800EST			0	0	0	?	Hail (1.50)
									Silver dollar size hail caused some crop damage.
Virginia Beach Co, Norfolk, Virginia Beach	2	1830EST			0	6	?	?	Thunderstorm Wind (70kt)
									Winds associated with a fast-moving thunderstorm caused spotty damage. Dozens of cargo containers which weigh 5000 pounds each when empty were blown over in Norfolk. The worst problem occurred at the annual Harborfest in downtown Norfolk where many of the food and concession tents collapsed. Six people were injured by blowing debris.
Suffolk County, Driver	2	1830EST			0	0	?	?	Thunderstorm Wind
									Several trees were downed.
Chesapeake Co, Portsmouth, Chesapeake	2	1830EST			0	0	?	?	Thunderstorm Wind
									Numerous trees were downed, including 50 at one golf course alone.
Virginia Beach Co, Oceana	2	1855EST			0	0	0	0	Hail (0.75)
Lunenburg Co.	4	2100EST			0	0	?	?	Thunderstorm Wind
									Strong winds downed numerous trees and damaged buildings in various sections of Lunenburg County.
Mecklenburg Co, Chase City, South Hill	5	1820EST			0	0	?	?	Thunderstorm Wind Hail
									Numerous trees were downed at Route 47 near Chase City. Hail of unknown size pelted South Hill.
Charles City Co.	5	1845EST			0	0	?	0	Thunderstorm Wind
									Numerous trees were downed across State Route 5.
Prince Georges Co.	5	1850EST			0	0	?	0	Thunderstorm Wind
									Several trees were downed along Route 10 and Route 301.
Fauquier Co, Middleburg	5	1900EST			0	0	?	0	Thunderstorm Wind
									Winds estimated near hurricane force downed many large trees in Middleburg, mostly west of town between Philomont and Route 626. No buildings were damaged.
Brunswick Co, Danieltown	5	2000EST			0	0	?	0	Thunderstorm Winds
									Several trees were downed near State Route 46.
Southampton Co, Newsoms	5	2000EST			0	0	?	0	Thunderstorm Wind
									Strong winds downed trees and extensively damaged a house, garage, and two sheds.
VAZ015 Southern Highlands	6	1900EST			0	0	?	0	Heavy Rain
									Heavy rain triggered a rockslide onto the southbound lanes of Interstate 77 over Fancy Gap Mountain in Carroll County.
VAZ009-010 Southern and Central Foothills	6-7	Overnight			0	0	?	?	Heavy Rain
									Thunderstorms produced general rainfalls of 1 to 3 inches with localized amounts up to 4.5 inches in Franklin and Bedford counties and 4.76 inches at Lynchburg. The heavy rainfall caused minor flooding.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>— VIRGINIA</b>									
VA#006 Central Virginia	7	Evening			0	0	0	0	Heavy Rain
									Heavy rain caused minor flooding, especially in Chesterfield, Chesterfield County. Rainfall at Richmond was measured at 1.66 inches.
VA#002 Greater Hampton Roads	7	All Day			0	0	0	0	Heavy Rain
									Numerous brief downpours dropped 1 1/2 to 3 inches of rain including 3.1 inches at the Sherry Point section of Virginia Beach.
Surry Co, Dendron	12	2125EST			0	0	?	0	Thunderstorm Wind Heavy Rain
									Strong winds partly unroofed a house then twisted the house and also downed a few trees. The storm dropped 2.5 inches of rain in 10 minutes.
Amelia Co, Southeast part	13	1422EST			0	0	?	?	Thunderstorm Wind
									Winds estimated at greater than 60 mph caused unknown damage. Heavy rainfall also flooded some roads.
Chesterfield Co, Midlothian	13	1430EST	0.2	20	0	0	5	0	Tornado (F1)
									A tornado moved along about one city block of the Midlothian Turnpike, a commercial strip located about 10 miles southwest of downtown Richmond, and damaged several buildings, blew out windows, and picked up and threw a car. The estimate of damage was \$100,000. Classification: F1,P,F1.
Dinwiddie Co, 8 SSE Petersburg	13	1435EST			0	0	?	?	Thunderstorm Wind
									Numerous large trees were downed or broken off; a storage shed was blown away, and a barn was damaged.
Mathews and Gloucester Counties	13	1500EST			0	0	?	0	Thunderstorm Wind
									Many trees were downed in numerous locations of Mathews and Gloucester counties.
Prince Georges Co.	13	1530EST			0	0	4	0	Thunderstorm Wind
									Numerous trees and power lines were downed in various parts of Prince Georges County.
Chesapeake Co, Chesapeake	13	1730EST			0	0	?	0	Thunderstorm Wind
									Numerous large trees were downed near the North Carolina border. A small gasoline station and a pickup truck parked inside were crushed by a falling tree.
Loudoun Co, Sterling	14	1505EST			0	0	0	0	Hail (0.75)
Loudoun Co, Dulles Airport Fairfax Co; Herndon, Reston	14	1510EST			0	0	5	0	Thunderstorm Wind (64kt)
									Many trees were downed in Herndon and Reston, some onto homes. A gust of 64 knots was measured at Dulles Airport.
Fauquier Co	14	1600EST			0	0	?	0	Thunderstorm Wind
									Trees were downed at scattered locations.
Fairfax Co, Landmark	14	1600EST			0	0	0	0	Funnel Cloud
Westmoreland Co	14	1800EST			0	0	?	0	Thunderstorm Wind
									Strong winds caused widespread tree damage.
Accomack Co, Chincoteague, Craddockville	14	1825EST			0	0	?	0	Thunderstorm Wind
									Strong winds blew down a restaurant tower which was nearly 70 feet tall in Chincoteague. A large tree was downed in Craddockville.
Pittsylvania Co, South part	14	1930EST			0	0	?	?	Thunderstorm Wind
									Some trees were downed.
Floyd Co.	14	2100EST			0	0	?	?	Flash Flooding
									An overflowing creek washed out part of a low-water bridge on State Route 709 near the Blue Ridge Parkway.
Patrick Co.	14	2100EST			0	0	?	?	Flash Flooding
									A bridge near Ararat on State Route 675 was flooded.
<b>— VIRGINIA</b>									
Henry Co.	14	2105EST			0	0	?	?	Hail (0.88)
									Nickel size hail fell in the vicinities of Collinsville and Bassett, and dime size hail fell near Axton. Also, some power lines were downed north of Martinsville.
Wise Co.	15	Afternoon			0	0	?	?	Flash Flooding
									Heavy rain flooded roads and triggered mudslides in the Pennington Gap, Pound, and Appalachia sections.
Powhatan Co.	15	1400EST			0	1	0	0	Lightning
									A woman was injured by a tree which fell on her after it was struck by lightning.
Powhatan Co.	15	1400EST			0	0	?	?	Thunderstorm Wind
									Many trees were downed throughout Powhatan County. One severely damaged a van.
Mecklenburg Co, Clarksville	15	1400EST			0	2	?	0	Thunderstorm Wind Hail
									Numerous trees were downed, and two boys were injured by falling trees. Large hail of unknown size was also reported.
Patrick and Henry Counties	15	1500EST			0	0	?	0	Thunderstorm Wind
									Many trees were downed, some onto buildings, throughout Patrick and Henry counties.
Pittsylvania Co, Grit	15	1540EST			0	0	?	?	Thunderstorm Wind
									Numerous large trees and some power lines were downed in scattered locations. Somewhat more widespread damage occurred in Grit where roof damage and some hail were reported.
Halifax Co, Northeast part	15	1545EST			0	0	?	?	Thunderstorm Wind
									Numerous large trees were downed.
Campbell Co, Lynchburg	15	1600EST			0	0	?	0	Thunderstorm Wind
									Many trees were downed, and a house was severely damaged by falling trees. Officials called this event the worst storm damage to trees in at least 19 years.
Arlington Co, Arlington	15	1615EST			0	0	?	0	Thunderstorm Wind
									A large tree was blown onto two mobile homes and severely damaged them.
Fairfax Co, Reston	15	1630EST			0	0	?	0	Thunderstorm Wind
									Numerous trees were downed slightly more than 24 hours after a similar storm struck the area.
Prince William Co.	15	1630EST			0	0	5	0	Thunderstorm Wind (70kt)
									Many large trees were downed throughout Prince William County. A steel reinforced roof was blown off a warehouse in Manassas and a building under construction collapsed in Dale City. Structural damage was \$250,000.
Spotsylvania Co, Marlborough Point	15	1645EST			0	0	0	0	Hail (1.00)
Spotsylvania Co, Massaponax and Marlborough Point	15	1645EST			0	0	?	0	Thunderstorm Wind
									A carport collapsed onto three cars in Massaponax. Several trees were downed in the vicinity of Marlborough Point.
Caroline Co.	15	1700EST			0	0	?	?	Thunderstorm Wind
									Widespread storm damage was reported.
Prince Edward Co, Farmville	15	1700EST			0	0	3	?	Thunderstorm Wind
									Strong winds caused scattered damage along a 4 mile path in the vicinity of Farmville.
Henrico Co, Richmond	15	1752EST			0	1	?	0	Thunderstorm Wind (42kt)
									Strong winds blew down several large tree limbs, some onto power lines. A woman was injured by a falling tree limb. A gust of 42 knots was measured at Byrd Field.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

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					KILLED	INJURED	PROPERTY	CROPS		
<b>— VIRGINIA</b>										
Westmoreland Co; Bleak Hill, Cabin Point	15	1800EST			0	0	?	0	Thunderstorm Wind	Many large trees were downed. A tree fell on a house at Cabin Point. A boat was blown end-over-end several hundred yards up a hill near Bleak Hill.
Virginia Beach Co; South Island, Norfolk	15	2006EST			0	0	?	0	Thunderstorm Wind (70kt)	Strong winds blew out windows and downed tree limbs in downtown Norfolk, and part of the roof of the Customs House was torn off. A gust of 70 knots was measured at South Island.
Accomack Co; Wallops, Chincoteague	15	2120EST			0	0	?	0	Thunderstorm Wind	Some trees and telephone poles were downed.
Lee Co.	16	1100EST			0	0	?	0	Thunderstorm Wind	Strong winds downed trees and caused minor damage in several sections of Lee County.
Washington Co, Abingdon	16	1138EST			0	0	?	0	Thunderstorm Wind	A few trees and a utility pole were downed, and a dumpster was blown across a road.
Caroline Co, Dawn	16	1420EST			0	0	?	0	Thunderstorm Wind	Several large trees were downed.
Goochland Co.	16	1500EST			0	0	?	0	Thunderstorm Wind	Numerous trees were downed at scattered locations.
Powhatan Co.	16	1500EST			0	0	?	?	Thunderstorm Wind	Many trees were downed throughout the county.
Chesterfield Co; Midlothian, Enon, Ettrick-Matoaca, Colonial Heights	16	1515EST			0	2	?	?	Thunderstorm Wind	Strong winds caused scattered damage. Thirty-one trees were downed onto roads in Colonial Heights, and a trailer was overturned.
Henrico Co, Richmond	16	1530EST	3	150	0	0	6	0	Tornado (F1) Hail (0.88)	A tornado touched down in the western part of Richmond about 15 miles west-northwest of the airport. Specifically, the initial touchdown was just south of the City Country Club, off West Gary Street. Then the tornado moved northeast across the southeast corner of the Country Club and then through residential sections. The final apparent damage from this storm was at the 2300 block of Dabney Road. Along the path, several hundred trees were destroyed, and numerous homes and some vehicles were damaged by falling trees or directly by the tornado. At least two commercial buildings were unroofed. Heavy rainfall and nickel size hail also occurred. The damage estimate was at least \$850,000. Classification: F1, P1, P2.
Henrico Co. and Chesterfield Co.	16	1540EST			0	0	?	?	Thunderstorm Wind	Winds estimated at at least 60 mph downed numerous trees in Richmond and surrounding parts of Henrico and Chesterfield counties. Several windows were blown out of a commercial building on Staples Mill Road.
Henrico Co.	16	1544EST			0	0	0	?	Hail (0.75)	
Brunswick Co.	16	1605EST			0	0	?	?	Thunderstorm Wind	Numerous trees were downed in various locations, and a church was partly unroofed.
Prince Georges Co. Hopewell	16	1606EST			0	1	?	0	Thunderstorm Wind	Numerous trees were downed. A 36 year old woman was injured when a tree fell on her van.
King William Co.	16	1625EST			0	0	?	?	Thunderstorm Wind	Numerous trees were downed at various locations of King William County. Winds were estimated at over 60 mph.
Southampton Co, Courtland and Franklin	16	1630EST			0	0	?	0	Thunderstorm Wind	Numerous trees were downed in the vicinities of Courtland and Franklin while several trees were downed in scattered locations of the county.
<b>— VIRGINIA</b>										
Hanover Co, Ashland	16	1650EST			0	0	?	?	Thunderstorm Wind	Several trees were downed in the vicinity of Ashland, and numerous trees were downed at various other locations of Hanover County.
New Kent and Charles City Counties	16	1700EST			0	0	?	?	Thunderstorm Wind	Numerous trees were downed at many locations in New Kent and Charles City counties. Scattered utility poles were downed along a five mile stretch in Charles City County.
Prince Edward Co, Farmville	16	1700EST			0	0	3	0	Thunderstorm Wind	Numerous trees were downed in the vicinity of Farmville. Damage was estimated at \$3500.
Pittsylvania Co, Danville	16	1849EST			0	0	?	?	Thunderstorm Wind (50kt)	Several trees were downed in Danville, one of which fell on a house. Trees were downed at other scattered locations of Pittsylvania County. A gust of 50 knots was measured at the Danville Airport.
Halifax Co, South Boston	16	1910EST			0	0	?	?	Thunderstorm Wind	Several large trees were downed along U.S. Route 360 northeast of South Boston.
Campbell Co, Leesville	21	1505EST	?	?	0	0	?	0	Tornado-Waterspout (F0)	A tornado-waterspout caused minor damage at the Tri-County Marina, located at the intersection of Bedford, Campbell, and Pittsylvania counties near Leesville. It also downed a few nearby trees.
Floyd Co.	21	1700-2200EST			0	0	?	?	Flash Flooding	Heavy rain estimated at 3.5 to 5 inches caused some streams to overflow their banks, washing out a few bridges. There was also flooding of roads and basements, as well as damage to crops. The worst conditions were in the south corner.
Carroll Co.	21	1700-2200EST			0	0	?	?	Flash Flooding	Heavy rain caused some flash flooding. Over 5 inches of rain fell in the Laurel Fork area.
Patrick Co.	21	1700-2200EST			0	0	?	?	Flash Flooding	Heavy rain caused flooding of the Ararat River and Johnson Creek which flooded nearly 200 acres of crop land and did \$430,000 in crop damage. Flooding also closed several roads, and a brick retaining wall collapsed on a car in Ararat. Rainfall was measured at 4.9 inches at Bell Spur and 3.2 inches at Vesta Hill.
VA2008 Southwestern Piedmont	21	2200EST			0	0	?	?	Heavy Rain	A thunderstorm dropped over 2 inches of rain in an hour on South Boston and caused poor-drainage-area flooding in South Boston and surrounding Halifax County.
Shenandoah Co, Strasburg	22	Evening			0	0	4	0	Flash Flooding	Heavy thunderstorms caused flooding which blocked 8 roads and washed out two-thirds of the sand at Half Moon Beach just north of Strasburg.
VA2003 Interior Southeast	23	1500EST			0	0	?	0	Heavy Rain	A thunderstorm dropped 2.5 inches of rain in 45 minutes on Emporia in Greensville County and caused some road flooding. Jarratt in Greensville County got 3 inches from the same storm.
Greensville Co, Emporia	24	1700EST			0	1	0	0	Lightning	A lightning current that surged through a telephone line injured an 18 year old girl while she was talking on the telephone.
Alleghany Co, Covington	26	1500EST			0	0	?	0	Thunderstorm Wind	Several trees were downed in the Covington area.
Grayson Co, East part	27	1300EST			0	0	?	0	Heavy Rain, Lightning	Heavy rainfall caused flooding of low-lying areas, and lightning ignited fires which destroyed two homes.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

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					KILLED	INJURED	PROPERTY	CROPS	
<b>— VIRGINIA —</b>									
Gloucester Co, Gloucester	28	1805EST			0	0	5	0	Thunderstorm Wind
									Numerous trees and utility poles were downed or twisted, especially in the vicinity of the Capahosic Estates Mobile Home Park where 18 mobile homes were damaged or destroyed.
<b>45 WASHINGTON</b>									
Clark County, near LaCenter	29	1530 PST	1.6	15	0	1	3	0	Tornado (F1)
									As a late spring frontal system was approaching the Oregon Coast, an F1 tornado formed near the town of LaCenter, 25 miles north of Portland, OR. The tornado blew over several trees and lifted a lot of debris off the ground. Tree branches were thrown as far as 50 feet and large plastic sheets were carried up to a mile. A car was lifted six feet into the air and turned 180 degrees before being set back down. The driver suffered some cuts and bruises. After traveling about a mile and a half, the rotation moved over terrain which sloped downhill, at which point the tornado dissipated.
<b>46 WEST VIRGINIA</b>									
Lewis County: countywide	05	1630EST			0	0	?	?	TSTM Wind
Weston	05	1700EST	short	25	0	0	4	0	Tornado (F1)
									Thunderstorm winds blew roofs off of homes, blew over mobile homes, and downed several trees across the county. A small tornado touched down near Weston and caused major damage to several homes, destroyed a barn, damaged the roof of an armory, and downed numerous trees.
Upshur County	05	1700EST			0	0	?	?	TSTM Wind
									Many trees were downed along the border with Lewis County.
Calhoun County, Grantsville	12	1740EST			0	0	?	?	TSTM Wind
									Several trees were downed just north of Grantsville.
Roane County	12	1745EST			0	0	?	?	TSTM Wind
									Thunderstorm winds tore the roofs off of at least two homes and damaged several more.
Wood County: Walker	12	1755EST			0	0	0	0	Hail (2.00)
Walker	12	1755EST	short	25	0	0	4	0	Tornado (F0)
									A tornado at Walker caused significant damage to several homes. One home had its roof blown off. Trees and power lines were also downed. Two-inch diameter hail fell in Walker as well.
Marion County, Mannington	12	1840EST			0	0	?	?	TSTM Wind
									Trees were uprooted and power lines ripped down near Mannington.
Ritchie County, Smithsville	12	1900EST			0	0	?	?	TSTM Wind
									Trees were uprooted and a camper trailer was destroyed near Smithsville.
Braxton County: near Sutton	12	1900EST			0	0	?	?	TSTM Wind
near Sutton	12	1900EST			0	0	?	?	Hail (1.75)
									Several large trees were uprooted at and extensive damage done to a Sutton Lake marina. The winds tore up docks and several ski and pontoon boats. Golfball size hail also fell.
Braxton County, Frametown	12	1908EST			0	0	?	?	Hail (1.50)
									One and a half inch diameter hail covered the ground at Frametown. The incident induced a power outage.
Monongalia County: Morgantown	12	1900EST			0	0	?	?	Hail (0.50)
near Greer	12	1920EST			0	0	?	?	TSTM Wind
									Marble size hail fell at Morgantown. Numerous large trees and power lines were downed near Greer. A trailer was blown off of its foundation and a porch was blown off of a house.
Preston County, Kingwood	12	1940EST			0	0	?	?	TSTM Wind
									Many trees were downed just north of Kingwood.
Pocahontas County	12	2015EST			0	0	?	?	TSTM Wind
									Several trees and large limbs were downed across the county.
<b>— WEST VIRGINIA —</b>									
Roane County	16	0145EST			0	0	?	?	Flooding
									Big Sandy Road was closed by 3 foot deep water over the road surface.
Calhoun County	16	0300EST			0	0	?	?	Flooding
									State Route 16 and several county roads were closed by high water.
Kanawha County	16	0330EST			0	0	?	?	Flooding
									Several county and secondary roads were closed by high water.
Wayne County	16	0440EST			0	0	?	?	Flooding
									Flooding occurred along Twelve Pole Creek, causing roads to become submerged and homes infiltrated, and necessitating several evacuations.
Braxton County: near Sutton	19	1900EST			0	0	?	?	TSTM Wind
near Sutton	19	1900EST			0	0	?	?	Hail (0.50)
Sutton-Heaters area	19	1915EST			0	0	?	?	Flooding
									Thunderstorm winds downed several trees and damaged a ramp at a Sutton Lake marina. Marble size hail fell also. Flooding occurred throughout the Sutton-Heaters area where water infiltrated several homes and caused the closure of State Route 4 and U.S. Highway 19. At 2100EST, a railroad bridge and section of track was washed out between Heaters and Flatwood.
Brooke County	21-	0730EST-			0	0	6	0	Flood
	22	0000EST							
									State Route 2 in Wellsburg was closed for a distance of three blocks due to high water. Flooding also occurred along Hukill Run. Many streams in the county were out of their banks. Two bridges were washed out along Cross Creek.
Grant County	22	2130EST			0	0	?	?	Flooding
									Water was over several side roads in the county. At 2300EST, the Highway Department had trucks out clearing the debris that was left on several roads by the high water.
Hardy County	23	1200EST			0	0	?	?	Flooding
									Water was over several county roads.
Monongalia County, Blacksburg	26	1820EST			0	0	?	?	TSTM Wind
									Large trees and power lines were downed.
Marion County: Mannington	26	1850EST			0	0	?	?	TSTM Wind
Morgantown	26	1900EST			0	0	?	?	Hail (0.50)
									Power Lines and large trees were downed by thunderstorm winds at Mannington.
Harrison County	26	1940EST			0	0	?	?	Hail (0.75+)
	26	1940EST			0	0	?	?	TSTM Wind
									Dime size hail and larger was reported across the county. Trees and power lines were downed by thunderstorm winds as well. A garage door was blown off near Bridgeport.
Taylor County	26	2000EST			0	0	?	?	TSTM Wind
									Large trees and power lines were downed on West Hill along U.S. Highways 119 and 50.
Barbour County	26	2015EST			0	0	?	?	TSTM Wind
									Trees and power lines were downed along U.S. 119 and State Route 92.
Randolph County, Cravens Dale area	26	2040EST			0	0	?	?	TSTM Wind
									Several large trees were downed in the Cravens Dale area and along Leading Creek Road.
Barbour County	26	2045EST			0	0	?	?	TSTM Wind
									Trees and power lines were downed in the southern part of the county.
Marshall County, Moundsville	27	1730EST			0	0	3	0	TSTM Wind
									A tree fell on a home.
Hancock County: New Cumberland	27	1730-1800EST			0	0	4	0	TSTM Wind
Weirton	27	1730-1800EST			0	0	?	?	Lightning
									Trees and power lines were downed in New Cumberland by thunderstorm winds. Five homes were hit by lightning in Weirton.
Pleasants County: NW border of county	27	1945EST			0	0	?	?	TSTM Wind
St. Marys	27	1945EST			0	0	?	?	Hail (1.50)
									Trees were downed across State Route 2 along the northwest border of the county. One and a half inch diameter hail fell just north of St. Marys.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>WEST VIRGINIA</b>									
Tyler County	27	2000EST			0	0	?	?	TSTM Wind
			Several trees were downed along State Route 18 south of Middleburg.						
Marion County	27	2045EST			0	0	?	?	TSTM Wind
			Trees and power lines were downed throughout the county.						
Preston County:									
Denver	27	2050EST			0	0	0	0	Funnel Cloud
Rowlesburg	27	2055EST			0	0	0	0	Funnel Cloud
between Rowlesburg and Terra Alta	27	2105EST			0	0	0	0	Funnel Cloud
Monongalia County: countywide	27	2100EST			0	0	?	?	TSTM Wind
Star City	27	2100EST			0	0	0	0	Funnel Cloud
Morgantown	27	2100EST			0	0	0	0	Funnel Cloud
			Trees and power lines were downed throughout the county by thunderstorm winds. Two funnel clouds were sighted.						
Harrison County	27	2100EST			0	0	?	?	TSTM Wind
			Trees and power lines were downed throughout the county.						
Upshur County, Buckhannon	27	2111EST			0	0	?	?	TSTM Wind
			Trees and power lines were downed.						
Barbour County	27	2115EST			0	0	?	?	TSTM Wind
			Large trees and power lines were downed in the northern part of the county.						
Taylor County	27	2115EST			0	0	?	?	TSTM Wind
			Trees and power lines were downed throughout the county.						
Preston County	27	2115EST			0	0	?	?	TSTM Wind
			Trees and power and communications lines were downed throughout the county.						
Tucker County	27	2130EST			0	0	?	?	TSTM Wind
			Large trees were blown across the road on Piffer Mountain.						
Randolph County	27	2145EST			0	0	?	?	TSTM Wind
			Large tree limbs were downed; one damaged a pickup truck.						
<b>47 WISCONSIN</b>									
Polk Co., Little Falls	07	1220CST			0	0	?	?	Hail (1.75)
			A severe thunderstorm dropped hail up to golfball size at Little Falls.						
Dane Co., 3E Madison Airport	14	1028CST	0.2	50	0	0	5	0	Tornado (F1)
1S Sun Prairie	14	1101CST	0.2	50	0	0	5	0	Tornado (F1)
ZENE Waunakee	14	1110CST	0.2	50	0	0	0	0	Tornado (F0)
ZNE Sun Prairie	14	1115CST	0.1	25	0	0	0	0	Tornado (F0)
			Four tornadoes developed from cold air funnel conditions over Dane County. Two tornadoes caused considerable damage just east of Madison and south of Sun Prairie. A Madison auto dealership was hit, where shattered plate glass windows and damage to 80 cars and trucks resulted in damage of over \$100,000. A 90 by 35 foot barn and its contents were destroyed and a house and silo heavily damaged south of Sun Prairie. The other two tornadoes set down briefly in open fields.						
Marathon Co., Mosinee	22	1650CST			0	0	?	?	Hail (0.75)
			Hail up to 3/4 inch in diameter was reported at Mosinee during a severe thunderstorm.						
Crawford Co., Bell Center	26	0950CST			0	0	4	?	Thunderstorm Wind
Grant Co., Boscobel	26	1000CST			0	0	4	?	Thunderstorm Wind (74)
Livingston	26	1030CST			0	0	4	?	Thunderstorm Wind
<b>WISCONSIN</b>									
Richland Co., SS Richland Center	26	1020CST			0	0	5	?	Thunderstorm Wind
Richland Center	26	1025CST			0	0	4	?	Thunderstorm Wind
Lone Rock	26	1027CST			0	0	?	?	Thunderstorm Wind (60)
1S Ithaca	26	1030CST			0	0	5	?	Thunderstorm Wind
7N Ithaca	26	1035CST			0	0	5	?	Thunderstorm Wind
Iowa Co., Avoca	26	1022CST			0	0	4	?	Thunderstorm Wind (61)
Sauk Co., Hillpoint	26	1035CST	0.3	75	0	0	5	?	Tornado (F2)
Baraboo	26	1055CST			0	1	5	?	Thunderstorm Wind
Lake Delton	26	1100CST	0.2	50	0	4	4	?	Tornado (F1)
Lake Delton	26	1100CST			0	0	5	0	Lightning
Columbia Co., Portage	26	1110CST			0	0	?	?	Thunderstorm Wind (56)
Cambria	26	1140CST			0	0	4	?	Thunderstorm Wind
Green Co., Monroe	26	1120CST			0	0	?	?	Thunderstorm Wind (55)
New Glarus	26	1140CST			0	0	?	?	Thunderstorm Wind
Dane Co., 2W Madison	26	1120CST			0	0	?	?	Thunderstorm Wind (52)
Stoughton	26	1140CST			0	0	?	?	Thunderstorm Wind
Green Lake Co., Markesan	26	1150CST			0	0	4	?	Thunderstorm Wind (53)
Berlin	26	1205CST			0	0	4	?	Thunderstorm Wind (53)
Rock Co., Edgerton	26	1200CST			0	0	?	?	Thunderstorm Wind
Janesville	26	1210CST			0	0	?	?	Thunderstorm Wind
Fond du Lac Co., Lamartine	26	1220CST			0	0	5	?	Thunderstorm Wind
Fond du Lac	26	1225CST			0	0	?	?	Thunderstorm Wind
Walworth Co., Fontana	26	1230CST			0	3	3	0	Thunderstorm Wind
ZE East Troy	26	1310CST			0	0	?	?	Thunderstorm Wind
Dodge Co., Hustisford	26	1248CST			0	0	5	3	Lightning
Milwaukee Co., 2NW Milwaukee	26	1253CST			0	0	?	?	Hail (1.00)
Sheboygan Co., St. Anna	26	1310CST			0	0	?	?	Thunderstorm Wind
Racine Co., Union Grove	26	1320CST			0	0	?	?	Thunderstorm Wind
Sturdevant	26	1320CST			0	0	?	?	Thunderstorm Wind
Racine	26	1333CST			0	0	?	?	Thunderstorm Wind
Waukesha Co., Delafield	26	1324CST			0	0	5	0	Lightning
			Numerous severe thunderstorms with winds gusting to 85 mph hit portions of southern Wisconsin, causing over \$750,000 in damage to just Sauk County. Strong winds in Richland County destroyed 2 mobile homes and an airplane hangar and damaged several barns. A pair of tornadoes struck Sauk County. One heavily damaged a school near Hillpoint and another injured 4 teenage girls at a campsite near Lake Delton. A Baraboo man was injured when thunderstorm winds toppled a 12 foot high cinder block wall on which he was working. Three people in Fontana in Walworth County were injured when a ticket booth at a beach was overturned by thunderstorm winds. All other reports of damage consisted of trees and power lines downed and scattered damage to barns, silos, farm equipment and homes.						
Barron Co., 1NW Cumberland	30	1630CST	0.1	25	0	0	4	?	Tornado (F0)
St. Croix Co., 1S Baldwin	30	1745CST			0	0	4	4	Thunderstorm Wind
			A tornado briefly touched down at a farm near Cumberland, damaging buildings and equipment. Severe thunderstorm winds totally destroyed a barn and damaged equipment near Baldwin.						

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>48 WYOMING</b>									
JOHNSON COUNTY 25SE BUFFALO	08	1305MST	0.5	37.5	0	0	0	0	TORNADO(F0)
JOHNSON COUNTY 34SE BUFFALO	08	1317MST			0	0	0	0	FUNNEL CLOUDS
JOHNSON COUNTY 15S BUFFALO	08	1320MST			0	0	0	0	FUNNEL CLOUDS
	<p>EARLY IN THE AFTERNOON OF THE 8TH, A SEVERE THUNDERSTORM SPANNED A BRIEF TORNADO IN OPEN COUNTRY 25 MILES SOUTHEAST OF BUFFALO. ADDITIONALLY, NUMEROUS FUNNEL CLOUDS WERE SPOTTED BY THE PUBLIC. AT 1317MST, 3 FUNNEL CLOUDS WERE SEEN 15 MILES NORTHWEST OF SUSSEX. AT 1320MST, SEVERAL FUNNELS WERE OBSERVED 15 MILES SOUTH OF BUFFALO.</p>								
NATRONA COUNTY 33NW CASPER	16	0405MST			0	0	2	0	THUNDERSTORM WIND(70)
	<p>DURING THE EARLY MORNING OF THE 16TH, A THUNDERSTORM PRODUCED 81 MPH WINDS AT A FARM LOCATED 33 MILES NORTHWEST OF CASPER. THESE WINDS TORE SHINGLES FROM A BARN AND DAMAGED A FENCE.</p>								
CAMPBELL COUNTY GILLETTE	16	1649MST			0	0	0	0	THUNDERSTORM WIND(66)
CAMPBELL COUNTY WRIGHT	16	1700MST			0	0	0	0	HAIL (2.75)
WESTON COUNTY UPTON	16	1730MST			0	0	0	0	FUNNEL CLOUD
WESTON COUNTY NEWCASTLE	16	1805MST			0	0	3	0	THUNDERSTORM WIND(52)
WESTON COUNTY NEWCASTLE	16	1820MST			0	1	4	0	THUNDERSTORM WIND(61)
CROOK COUNTY 10SW MOORCROFT	16	1820MST			0	0	3	0	HAIL (1.50)
WESTON COUNTY NEWCASTLE	16	1825MST			0	0	0	0	FUNNEL CLOUD
WESTON COUNTY UPTON	16	1830MST			0	0	5	0	THUNDERSTORM WIND(70)
CROOK COUNTY SUNDANCE	16	1845MST			0	0	0	0	HAIL (1.50)
	<p>THUNDERSTORMS PRODUCED WIDESPREAD SEVERE WEATHER ACROSS NORTHEAST WYOMING DURING THE EVENING OF THE 16TH. AT 1649MST WINDS FROM A THUNDERSTORM GUSTED TO 76 MPH IN GILLETTE. SHORTLY AFTERWARDS, THE TOWN OF WRIGHT WAS PELTED WITH BASEBALL SIZE HAIL. THE HAIL WAS "MUSHY" AND DID LITTLE DAMAGE. AT 1730MST A FUNNEL CLOUD WAS SEEN MOVING EASTWARD ACROSS THE SKIES OVER UPTON. BETWEEN 1805MST AND 1820MST, THUNDERSTORM WINDS GUSTED FROM 60 TO 70 MPH IN NEWCASTLE. DAMAGE WAS REPORTED IN VARIOUS PARTS OF THAT TOWN, INCLUDING A ROOF WHICH WAS BLOWN OFF OF A GRANDSTAND AT THE FAIRGROUNDS, DOWNED POWER LINES AND SIGNS BLOWN OVER. A RESIDENT OF NEWCASTLE SUFFERED ARM INJURIES FROM FLYING DEBRIS. A FUNNEL CLOUD WAS ALSO SEEN IN THE NEWCASTLE AREA AT 1825MST. THERE WERE REPORTS OF WALNUT SIZE HAIL 10 MILES SOUTHWEST OF MOORCROFT AND AT SUNDANCE AT 1820MST AND 1845MST, RESPECTIVELY. HAIL DAMAGE TO SHINGLES AND SHUTTERS WAS DONE SOUTHWEST OF MOORCROFT. FINALLY, AT 1830MST UPTON SUSTAINED EXTENSIVE WIND DAMAGE FROM A THUNDERSTORM. INCLUDED WAS A 120 FOOT RADIO ANTENNA THAT WAS BLOWN DOWN.</p>								
WYZ016 LARAMIE VALLEY	16-	2000MST			0	0	0	0	HIGH WIND
	17	0400MST							
	<p>FROM THE EVENING OF THE 16TH THROUGH THE EARLY MORNING OF THE 17TH, STRONG WINDS OCCURRED ON THE INTERSTATE 80 SUMMIT, LOCATED 30 MILES WEST OF CHEYENNE. SUSTAINED WINDS OF 40 TO 50 MPH WITH GUSTS TO 73 MPH WERE REPORTED.</p>								
<b>WYOMING</b>									
ALBANY COUNTY 30W CHEYENNE	19	1855MST			0	0	0	0	THUNDERSTORM WIND(56)
	<p>A THUNDERSTORM PRODUCED A WIND GUST TO 65 MPH ON THE INTERSTATE 80 SUMMIT, LOCATED 30 MILES WEST OF CHEYENNE.</p>								
WYZ016 LARAMIE VALLEY	20	1900 TO 2359MST			0	0	0	0	HIGH WIND
	<p>DURING THE LATE EVENING OF THE 20TH, HIGH WINDS OCCURRED ON THE SUMMIT OF INTERSTATE 80, 30 MILES WEST OF CHEYENNE. WINDS WERE SUSTAINED BETWEEN 40 AND 50 MPH WITH SEVERAL GUSTS TO 55 MPH.</p>								
WYZ004 BIG HORN MOUNTAINS	20-	2300MST			0	0	0	0	LATE SEASON SNOW
	21	0800MST							
	<p>FROM THE LATE EVENING OF THE 20TH THROUGH THE EARLY MORNING OF THE 21ST, 6 TO 8 INCHES OF WET SNOW FELL IN THE BIG HORN MOUNTAINS. BURGESS JUNCTION ACCUMULATED 7 INCHES OF NEW SNOW.</p>								
WYZ017 SOUTHEAST PLAINS	21	0530 TO 1000MST			0	0	0	0	HIGH WIND
	<p>SUSTAINED WINDS OF 40 TO 50 MPH WITH NUMEROUS GUSTS TO 58 MPH BLEW THROUGH CHEYENNE DURING THE MORNING OF THE 21ST.</p>								
WYZ016 LARAMIE VALLEY	21	1000 TO 1400MST			0	0	0	0	HIGH WIND
	<p>FOR THE SECOND DAY IN A ROW, STRONG WINDS WERE REPORTED ON THE SUMMIT OF INTERSTATE 80, LOCATED 30 MILES WEST OF CHEYENNE. WINDS WERE SUSTAINED BETWEEN 40 AND 50 MPH WITH THE HIGHEST GUST BEING 62 MPH.</p>								
WYZ009 WIND RIVER MOUNTAINS	23-	0600MST			0	0	0	0	HEAVY SNOW
	24	0600MST							
	<p>AN EARLY SUMMERTIME HEAVY SNOWFALL OCCURRED IN THE WIND RIVER MOUNTAINS FROM THE EARLY MORNING OF THE 23RD THROUGH THE EARLY MORNING OF THE 24TH. DICKENSON PARK, LOCATED 15 MILES WEST OF LANDER, PILED UP 18 INCHES OF WET NEW SNOW. DICKENSON PARK IS ABOUT 9200 FEET ABOVE SEA LEVEL.</p>								
SHERIDAN COUNTY 12E CLEARMONT	24	1020MST			0	0	0	0	FUNNEL CLOUD
SHERIDAN COUNTY 3NE ARVADA	24	1023MST			0	0	0	0	FUNNEL CLOUD
	<p>TWO SEPERATE FUNNEL CLOUDS WERE OBSERVED FROM THE BASES OF RAIN SHOWERS OVER SOUTHEASTERN SHERIDAN COUNTY ON THE LATE MORNING OF THE 24TH.</p>								
LARAMIE COUNTY 5NW CHEYENNE	26	1245MST			0	0	0	0	HAIL (.75)
LARAMIE COUNTY 25W CHEYENNE	26	1355MST			0	0	0	0	HAIL (.75)
	<p>DURING THE EARLY AFTERNOON OF THE 26TH, STRONG THUNDERSTORMS DROPPED DIME SIZE HAIL 5 MILES NORTHWEST AND 25 MILES WEST OF CHEYENNE.</p>								
<b>49 ALASKA, Northern</b> ————— NO REPORT RECEIVED									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED <sup>1</sup> DAMAGE		CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED <sup>1</sup> DAMAGE		CHARACTER OF STORM	
					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS		
<b>49 ALASKA, Southern</b>																				
Kodiak Island and the Eastern Aleutian Islands	02	1800AST			0	0	?	0	High Winds and High Seas											
A strong 980 mb low south of the Alaska Peninsula produced wind gusts to between 50 and 60 mph over the eastern Aleutian Islands and around Kodiak Island.																				
South-Central Alaska	09	1600AST			0	3	0	0	High Winds and High Seas											
A combination of a low pressure system moving into the northwest part of central Alaska and a moderate high pressure area to the south produced a strong flow of southwesterly winds especially over lower Cook Inlet and Kachemak Bay near Homer. Gusts to 55 mph were reported in and around Kachemak Bay near Homer.																				
<b>49 ALASKA, Southeastern</b> — NONE REPORTED																				
<b>50 HAWAII</b> — NONE REPORTED																				
<b>51 PUERTO RICO</b> — NONE REPORTED																				
<b>52 VIRGIN ISLANDS</b> — NONE REPORTED																				
<b>53 PACIFIC</b> — NONE REPORTED																				



STORM SUMMARY

JUNE 1989

TYPE	ALABAMA	ARIZONA	ARKANSAS	CALIFORNIA	COLORADO	CONNECTICUT	DELAWARE	FLORIDA	GEORGIA	IDAHO	ILLINOIS	INDIANA	IOWA	KANSAS	KENTUCKY	LOUISIANA	MAINE	MARYLAND & DC	MASSACHUSETTS	MICHIGAN	MINNESOTA	MISSISSIPPI	MISSOURI	MONTANA	NEBRASKA	NEVADA	NEW HAMPSHIRE
TORNADOES				#																							0
Number	3		8		12		1	29	1		1	4	1	9	2	20	1				1	6	3	1	21	1	
Days	1		3		7		1	11	1		1	1	1	3	2	5					1	4	2	1	7	1	
Deaths	0		0		0		0	3	0		0	0	0	0	0	2	0				0	0	0	0	0	0	0
Injuries	10		6		0		1	6	0		0	3	1	0	0	102	0				0	5	0	0	3	0	0
Property Damage	6		5		5		?	7	4		0	6	4	4	6	6	5				0	5	0	0	7	3	0
Crop Damage	?		?		0		?	0	?		0	?	0	4	0	?	0				0	0	0	0	5	3	0
HAIL																											
Deaths	0		0		0				0	0	0	0	0	0	0	0						0		0	0	0	0
Injuries	?		?		0				0	0	0	0	0	0	0	0						0		0	0	0	0
Property Damage	?		?		6				?	4	5	5	4	6	3	?						?		0	8	8	8
Crop Damage	?		?		7				?	0	5	?	5	7	3	?						0		6	8	8	8
THUNDERSTORM WINDS																											
Deaths	0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Injuries	1		1		0	0	0	0	?	0	6	6	0	0	0	1	0	0	6	1	0	0	0	3	7	7	6
Property Damage	?		5		5	4	?	5	6	4	5	6	5	6	5	7	4	?	6	5	5	6	6	6	7	7	6
Crop Damage	?		?		0	0	?	5	?	0	?	?	4	5	0	?	0	?	0	0	0	?	?	?	6	6	6
HIGH WINDS																											
Deaths					0																						0
Injuries					0																						0
Property Damage					4																						3
Crop Damage					0																						0
LIGHTNING																											
Deaths	1				0	0	0	1	0		1			1	2	0		0		2	0	0	0	0	0	0	0
Injuries	4		13		9	0	3	4	0		3			0	1	0		0	6	6	0	0	0	0	1	1	4
Property Damage	?		5		5	5	?	5	5		0		3	5	0	?		5	6	6	5	5	5	3	5	5	4
Crop Damage	?		0		0	0	0	0	0		0		0	0	0	0		0	0	0	0	0	0	0	4	4	4
FLASH FLOODS																											
Deaths	0		0		0		0	0	0	0	0	0	0	2	0	0		0				0		0	0	0	0
Injuries	0		0		0		3	?	?	0	0	0	0	0	0	0		?				0		0	0	0	0
Property Damage	?		?		3		?	?	?	4	6	4	6	6	5	6		?				6		3	7	4	4
Crop Damage	?		?		0		0	0	0	0	?	?	2	6	0	?		?				0		4	6	6	0
FLOODS																											
Deaths							0	0	0		0		0	0	0			0						0	0	0	0
Injuries							0	0	0		0		0	0	0			?						0	0	0	0
Property Damage							?	6	?	?	?	?	5	3	7			?						5	0	4	5
Crop Damage							?	0	?	?	?	5	5	5	3			?						0	5	5	5
HEAVY SNOWSTORMS AND BLIZZARDS @																											
Deaths					0																						
Injuries					0																						
Property Damage					4																						
Crop Damage					0																						
ICE STORMS #																											
Deaths																											
Injuries																											
Property Damage																											
Crop Damage																											
HURRICANES AND TROPICAL STORMS																											
Deaths																											
Injuries																											
Property Damage																											
Crop Damage																											
ALL OTHERS																											
Deaths	2	0	0		0								0														
Injuries	0	0	0		0								0														
Property Damage	0	0	0		6								0														
Crop Damage	0	?			6								6														

SEE REFERENCE NOTES FOR STORM DAMAGE CATEGORIES

# STORM SUMMARY

JUNE 1989

TYPE	NEW JERSEY	NEW MEXICO	NEW YORK	NORTH CAROLINA	NORTH DAKOTA	OHIO	OKLAHOMA	OREGON	PENNSYLVANIA	RHODE ISLAND	SOUTH CAROLINA	SOUTH DAKOTA	TENNESSEE	TEXAS	UTAH	VERMONT	VIRGINIA	WASHINGTON	WEST VIRGINIA	WISCONSIN	WYOMING	ALASKA	HAWAII	PACIFIC	PUERTO RICO	VIRGIN ISLANDS	NATIONAL DEATHS & INJURY TOTALS	
<b>TORNADOES</b>																												
Number	1	8	1	7	5	5	6		5		2	1	8	63	1		3	1	3	7	1						5	
Days	1	4	1	5	2	3	4		3		1	1	3	10	1		2	1	2	3	1							
Deaths	0	0	0	0	0	0	0		0		0	0	0	0	0		0	0	0	0	0							
Injuries	0	0	0	0	0	0	0		0		0	0	0	0	0		0	0	0	0	0						5	
Property Damage	5	?	3	6	5	6	3		6		6	5	5	6	1		6	3	?	5	0						164	
Crop Damage	0	?	2	0	?	0	?		4		4	0	0	5	0		?	0	0	?	0							
<b>HAIL</b>																												
Deaths	0	0	0	0	0	0	0		0		0	0	0	0			0	0	0	0	0							
Injuries	0	1	0	0	0	0	0		0		0	0	0	1			0	0	0	0	0							2
Property Damage	?	7	?	5	?	?	?		?		5	0	1	7			?	?	?	?	3							
Crop Damage	?	?	?	5	?	?	?		?		?	0	0	7			?	?	?	?	0							
<b>THUNDERSTORM WINDS</b>																												
Deaths	0	0	0	1	0	0	0		0		1	0	0	1	0	0	0	0	0	0	0						4	
Injuries	0	0	0	2	0	2	1		1		2	0	0	4	0	0	12	?	?	4	1						55?	
Property Damage	4	5	5	7	5	7	5		6		7	4	5	6	1	5	?	?	?	6	5							
Crop Damage	?	?	3	4	5	0	?		?		0	4	0	7	0	3	?	?	?	?	0							
<b>HIGH WINDS</b>																												
Deaths	0														0	0												
Injuries	0														0	0												
Property Damage	3														1													
Crop Damage	?														0													
<b>LIGHTNING</b>																												
Deaths		1	1	1	0	0	0		0	0	0	0		1			0			0							14	
Injuries		0	8	5	1	0	0		1	0	5	0		0			2			0							69	
Property Damage		0	5	5	5	5	?		5	3	6	4		5			0			5								
Crop Damage		0	3	0	0	?			?	0	0	0		7			0			3								
<b>FLASH FLOODS</b>																												
Deaths	0	0	0	0		1	0		0		0	0		1	0		0		0								5	
Injuries	0	0	0	0		0	0		0		0	0		0	0		0		0								5	
Property Damage	4	?	4	5		7	4		7		6	6		6	4		?		?									
Crop Damage	?	?	0	0		?	4		?		0	0		5	0		?		?									
<b>FLOODS</b>																												
Deaths	0		0			0			0					2													2	
Injuries	0		0			0			0					0														
Property Damage	?		6			7			5					?														
Crop Damage	0		7			?			?					?														
<b>HEAVY SNOWSTORMS AND BLIZZARDS @</b>																												
Deaths																												
Injuries																												
Property Damage																												
Crop Damage																												
<b>ICE STORMS .#</b>																												
Deaths																												
Injuries																												
Property Damage																												
Crop Damage																												
<b>HURRICANES AND TROPICAL STORMS</b>																												
Deaths														0													1	
Injuries														?														
Property Damage														8														
Crop Damage														?														
<b>ALL OTHERS</b>																												
Deaths		0	0												0	0											3	
Injuries		0	0												0	0											3	
Property Damage		5	4												3													
Crop Damage		?	4												0													

SEE REFERENCE NOTES FOR STORM DAMAGE CATEGORIES

## STORM DAMAGE CATAGORIES

## REFERENCE NOTES

- 1 Less than \$50
- 2 \$50 to \$500
- 3 \$500 to \$5,000
- 4 \$5,000 to \$50,000
- 5 \$50,000 to \$500,000
- 6 \$500,000 to \$5 Million
- 7 \$5 Million to \$50 Million
- 8 \$50 Million to \$500 Million
- 9 \$500 Million to \$5 Billion

- 0/Blank None reported.  
 \* Miles instead of yards.  
 \*\* Yards instead of miles.  
 @ Includes heavy sleet storm.  
 # Freezing drizzle and freezing rain, commonly known as glaze.  
 ≠ Report incomplete.  
 ≠# Report not received.  
 o/c Indicates Crop Damage amount is included in the value given for property damage.

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

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

(F0) Gale tornado (40-72 mph): Light damage  
 Some damage to chimneys; break branches off trees; push over shallow-rooted trees; damage sign boards.

(F1) Moderate tornado (73-112 mph): Moderate damage  
 The lower limit (73 mph) is the beginning of hurricane wind speed; peel surface off roofs; mobile homes pushed off foundations or overturned; moving autos pushed off the roads.

(F2) Significant tornado (113-157 mph): Considerable damage  
 Roofs torn off frame houses; mobile homes demolished; boxcars pushed over; large trees snapped or uprooted; light-object missiles generated.

(F3) Severe tornado (158-206 mph): Severe damage  
 Roofs and some walls torn off well-constructed houses; trains overturned; most trees in forest uprooted; heavy cars lifted off ground and thrown.

(F4) Devastating tornado (207-260 mph): Devastating damage  
 Well-constructed houses leveled; structure with weak foundation blown off some distance; cars thrown and large missiles generated.

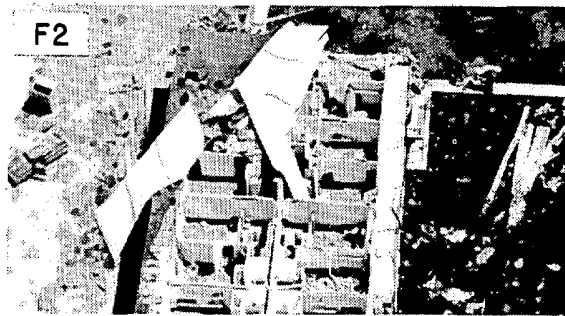
(F5) Incredible tornado (261-318 mph): Incredible damage  
 Strong frame houses lifted off foundations and carried considerable distance to disintegrate; automobile-sized missiles fly through the air in excess of 100 m; trees debarked; incredible phenomena will occur.

(F6-F12) (319 mph to Mach 1, the speed of sound):  
 The maximum wind speeds of tornadoes are not expected to reach the F6 wind speeds.

---

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

---



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

Summaries of Temperature and Precipitation Extremes were compiled by Vincent Miller of THE WEATHER CHANNEL, Atlanta, Georgia.

TEMPERATURE EXTREMES

MAY 1989

STATE	H I G H E S T	D A T E	STATION	L O W E S T	D A T E	STATION
Alabama	97?	29	Bessemer 3 WSW	33	7	Valley Head
	96	A31	Headland			
Alaska	79	30	Fort Yukon	-20	13	Umiat
Arizona	111	8+	Bullhead City	19	15+	Alpine
		8	Buckeye		31	Flagstaff 4 SW
		8	Lake Havasu			
		8	Laveen 3 SSE			
Arkansas	99	29	Calion Lock & Dam	30	2	Mammoth Spring
					7	Gilbert
California	114	7	Death Valley	14	26	Bodie
Colorado	104	23	Las Animas	6	1	Climax
Connecticut	88	19	Falls Village	28?	10	Wigwam Reservoir
				30	8	Coventry
Delaware	90	31	Dover	38	8+	Newark University Farm
		A31	Georgetown			
		31	Greenwood 2 NE		8	Georgetown 5 SW
		31	Milford 4 SE			
Florida	104?	26	Myakka River State Park	39	8	Fountain 3 SSE
	104	27	Steinhatchee 6 ENE			
Georgia	100	27	Waycross 4 NE	29	8	Blairsville Exp Station
	100?	28	Camilla			
Hawaii	91	13	Puukohola Heiau 98.1	30	30	Mauna Loa Slope Observatory
Idaho	94	6	Hagerman 2 SW	13	19	Galena
Illinois	94	31	Palestine	21R	7	Elizabeth 5 S
Indiana	92	31	Evansville	22	7	Bluffton
		31	Evansville WSFO		7	Prairie Heights
Iowa	102	29	Glenwood 3 SW	23	6	Cresco 1 NE
Kansas	103	24	Liberal	20	1	Brewster 4 W
Kentucky	95	31	Gilbertsville Kentucky Dam	27	12+	Cynthiana
Louisiana	97	28	Monroe FAA Airport	42	11	Many
Maine	91	18	Rumford	26	5	Allagash
		20	Bridgton 3 NW		5	Jackman
					5	Rangely
Maryland	94?	26	Assateague Is Ntl Seashore	28	4	Oakland 1 SE
	92	26	Baltimore WSO City		7	Mc Henry 2 NW
Massachusetts	92	20	Lowell	28	8	Granville
		20	Tully Lake			
Michigan	88	24	Baldwin	18	6+	Kenton
		24	Big Rapids Waterworks		7	Hesperia 4 WNW
		24	Gladwin			
		24	Houghton Lake 6 WSW			
Minnesota	91	23	Lamberton SW Exp Station	12	5	Isabella 1 W
Mississippi	96	27	Bay St Louis NASA	36	12	Iuka
		29	Cleveland			
Missouri	98	29	Tarkio	24	7	Fredericktown
Montana	90	12e	Sidney	13	1	Bozeman 12 NE
		23	Moorehead 9 NE			
Nebraska	102	29	Red Willow Dam	13	1	North Platte Exp Farm
Nevada	110	8	Laughlin	14	19	Paradise Valley 1 NW
New Hampshire	96?	20	Hanover	20	9	Mount Washington
	93	20	North Conway			

TEMPERATURE EXTREMES

MAY 1989

STATE	H I G H E S T	D A T E	STATION	L O W E S T	D A T E	STATION
New Jersey	91	31	Tuckerton	32	4	Morris Plains 1 W
					4	Newton St Pauls Abbey
					8	Toms River
New Mexico	109	21	Waste Isolt'n Pilot Plant (about 23 E of Carlsbad)	15	1	Pecos Ranger Station
					1	Red River
					1	Tres Piedras
New York	92	20	Glenham	24	4	Bolivar
					4	Delhi 2 SE
					7	Jamestown 4 NE
North Carolina	98H	A31	Burlington Fire Station	19	7	Mount Mitchell
	97	26	Pope Air Force Base			
North Dakota	90	15	Park River	11	6	Belcourt KEYA Radio
Ohio	92	31	Caldwell 6 NW	26	7	Warren 3 S
					7	Wauseon Water Plant
Oklahoma	107	24	Altus Irrigation Resch Stn	32	7	Smithville
Oregon	96	7?	Vale	11	19	Crater Lake NPS HQ
	94H	5	Pelton Dam			
	89	6	Arlington			
Pennsylvania	90	31	Johnstown	24	4	Kane 1 NNE
Rhode Island	82	19+	North Foster 1 E	31	9	Kingston
		22+	Providence WSO Airport			
South Carolina	100?	31	Anderson	28	8	Ninety Nine Islands
	99	27	Aiken 4 NE			
		27	Ridgeland 5 NE			
South Dakota	100	29	Vermillion 2 NE	13	1	Deerfield 3 SE
Tennessee	96?	25	Memphis WSFO	18	7	Mt LeConte
	93	31	Dyersburg FAA Airport			
Texas	116	25	Boquillas Ranger Station	34	1	Claude
Utah	103	7	Hanksville	15?	22	Birdseye
				17	12+	Blowhard Mountain Radar
Vermont	92	20	Vernon	24	4	Jay Peak
Virginia	98	26	South Boston	19	7	Mt Lake Biological Station
Washington	90	A31	Sunnyside	21	11	Rainier Paradise Ranger Sta
West Virginia	95	A31+	Williamson	21	7	Mc Ross 3 E
Wisconsin	88	24	Lake Geneva	13	6	Owen
		24	Milwaukee Mt Mary College			
Wyoming	94	29e	Whalen Dam	6	1a	Burgess Junction
				11	25	Darwin Ranch

NOTE: Due to differences in observing times and methods, and quality control problems, dates in the temperature table may differ from dates (primarily of high temperatures) published in individual state Climatological Data. Any differences, unless otherwise noted, are of one calendar day. Temperatures are in degrees Fahrenheit.

- + And on previous date or dates.
- ? Published extreme appears to be in error. The likely correct extreme follows when possible.
- A Station is an "AM" reader; thus, the high for May 31st would be published in the state Climatological Data (June 1989) as having happened on June 1st.
- H Temperature appears to be too high.
- a Probably happened on April 30th.
- e Probably happened 1 day earlier than published.
- R Ties state monthly record previously set May 10, 1966 at Bloomington - Normal and Aurora.



PRECIPITATION EXTREMES

MAY 1989

A-4

STATE	G R E A T E S T	M O N T H L Y	STATION	M O N T H L Y	STATION	G R E A T E S T	D A T E	STATION	G R E A T E S T	M O N T H L Y	STATION	G R E A T E S T	D A T E	STATION	
New Mexico				T	Diamond A Cattle Co; Fruitland 2 E; Gage 4 ESE; Kelly Ranch; Lybrook; Mc Gaffey 4 SE; Tatum; Tohatchi 6 NE										
New York	15.09		Slide Mountain	3.20	Lawrencville	4.68	17	Vanderbilt Museum	12.0		Lockport 2 NE	9	8	Warsaw 6 SW	
North Carolina	9.64		Lake Toxaway 2 SW	1.74	Longwood	3.60	23	Reidsville 2 NW	3.5		Banner Elk	2	7	Mount Mitchell	
North Dakota	4.20		Zap	.52	Watauga S Dak 8 N	2.00	17	Zap							
Ohio	10.77		Andover 2 NE	3.59	Chilo Meldahl Lock & Dam	3.35	26	Circleville	2.0		Bucyrus	2	7	Bucyrus	
Oklahoma	13.79		Fanshawe	1.52	Regnier	4.81	16	Gate				3X	15X	Hanna	
Oregon	5.06		Port Orford 5 E	.35	Vale	1.78	18	Nehalem 9 NE	23.0		Crater Lake NPS HQ	115	1	Crater Lake NPS HQ	
Pennsylvania	12.84		New Park	3.89	Donegal 2 NW	5.00	6	New Park	8.5		Bradford FAA Airport	5	8	Russell 3 E	
Rhode Island	6.07		Providence WSO AP	3.87	Block Island State Airport	2.10	11	Kingston							
South Carolina	8.86		Hogback Mountain	1.18	Givhans Ferry 2 ESE	3.14	2	Kershaw							
South Dakota	3.35		Deadwood	.35	Dupree	1.72	17	Forestburg 3 NE	4.0		Harrold 12 SSW	12	1	Harding 3 SE	
Tennessee	11.60		Mt LeConte	2.30	Union City	5.30	20	Savannah 6 SW							
Texas	18.86		Antelope	T or .00	19 stations	11.18	16	Antelope							
Utah	3.12		Bountiful-Val Verda	.04	Salina	1.96	12	Bountiful Val-Verda	8.8		Blowhard Mtn Radar	39	1	Silver Lake Brighton	
Vermont	8.81		Morrisville 2	3.19	Burlington WSO AP	2.90	7	Morrisville 2				63	1	Mount Mansfield	
Virginia	11.63		Mount Weather	2.22?	Clarksville	4.69	6	Piedmont Research Station	3.3		Wise 1 SE	1	7	Mt Lake Biological Station; Wise 1 SE	
Washington	7.73		Tolt South Fork Res.	.31	Smyrna	1.69	28	Methow 2 S	30.5		Rainier Paradise R S	144	1	Rainier Paradise R S	
West Virginia	12.37		Wellsburg Water Treatment Plant	3.77	Union 3 SSE	2.48	5	Seneca State Forrest	5.5		Terra Alta 1	3	7	Richwood 1 SSE	
Wisconsin	9.12		Wisconsin Rapids Grand Avenue Bridge	.87	Darlington	4.94	30	Plymouth	6.0		Lac Vieux Desert	2	8+	Pickens 2	
Wyoming	5.30		Lander WSO Airport	.23	Elk Mountain	2.01	14	Guernsey Dam 2	6.0		Gas Hills 4 E	30	5	Mellen 4 NE	
														6+	Drummond
														7	Lac Vieux Desert
														1	Lake Yellowstone
															Snake River

NOTE: Due to differences in observing times and methods, and quality control problems, the precipitation event listed for a particular date may have actually occurred wholly or partially on the previous day. Dates listed are as published in Climatological Data. Precipitation amounts are measured in inches.

+ And on previous date or dates.

? Published as monthly extreme in Climatological Data, but appears to be in error. When possible, the probable correct total and station is listed.

E Published as ERRATA in June Climatological Data - Arkansas (June 1989).

M Missing 1 to 9 daily values.

T Trace (an amount too small to measure).

X A severe thunderstorm (with hail to baseball size) hit Hanna about 1520CST on the 15th; 12" of hail was still on the ground in some places 7 hours after the storm. The "3" would have to refer to the depth of hail on the ground at observation time, which was probably at 0700CST on the 16th. See Storm Data (May 1989) and Climatological Data - Oklahoma (May 1989).

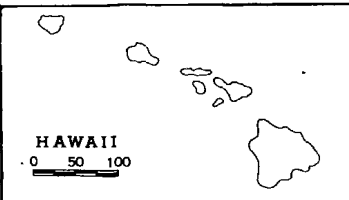
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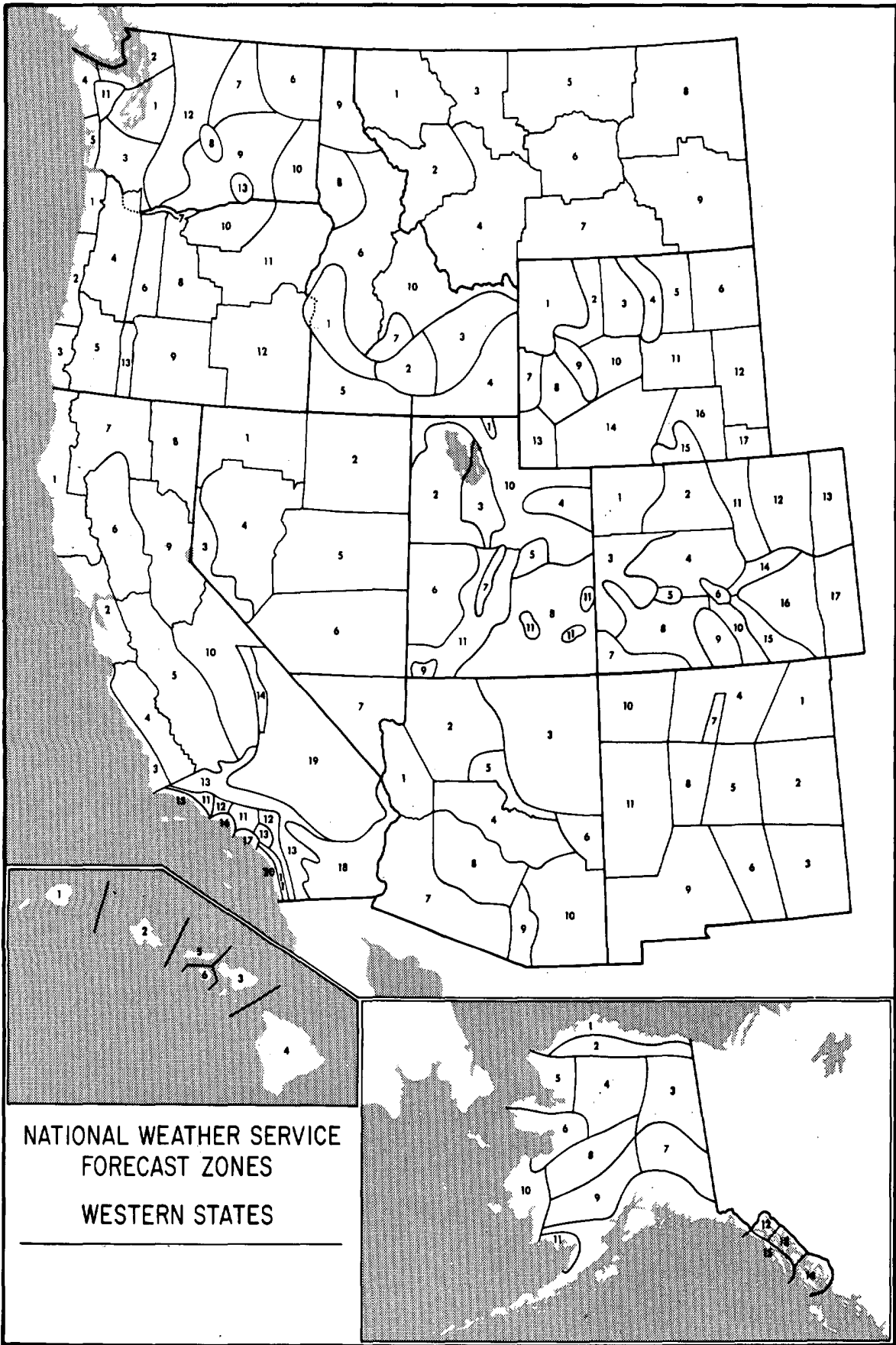
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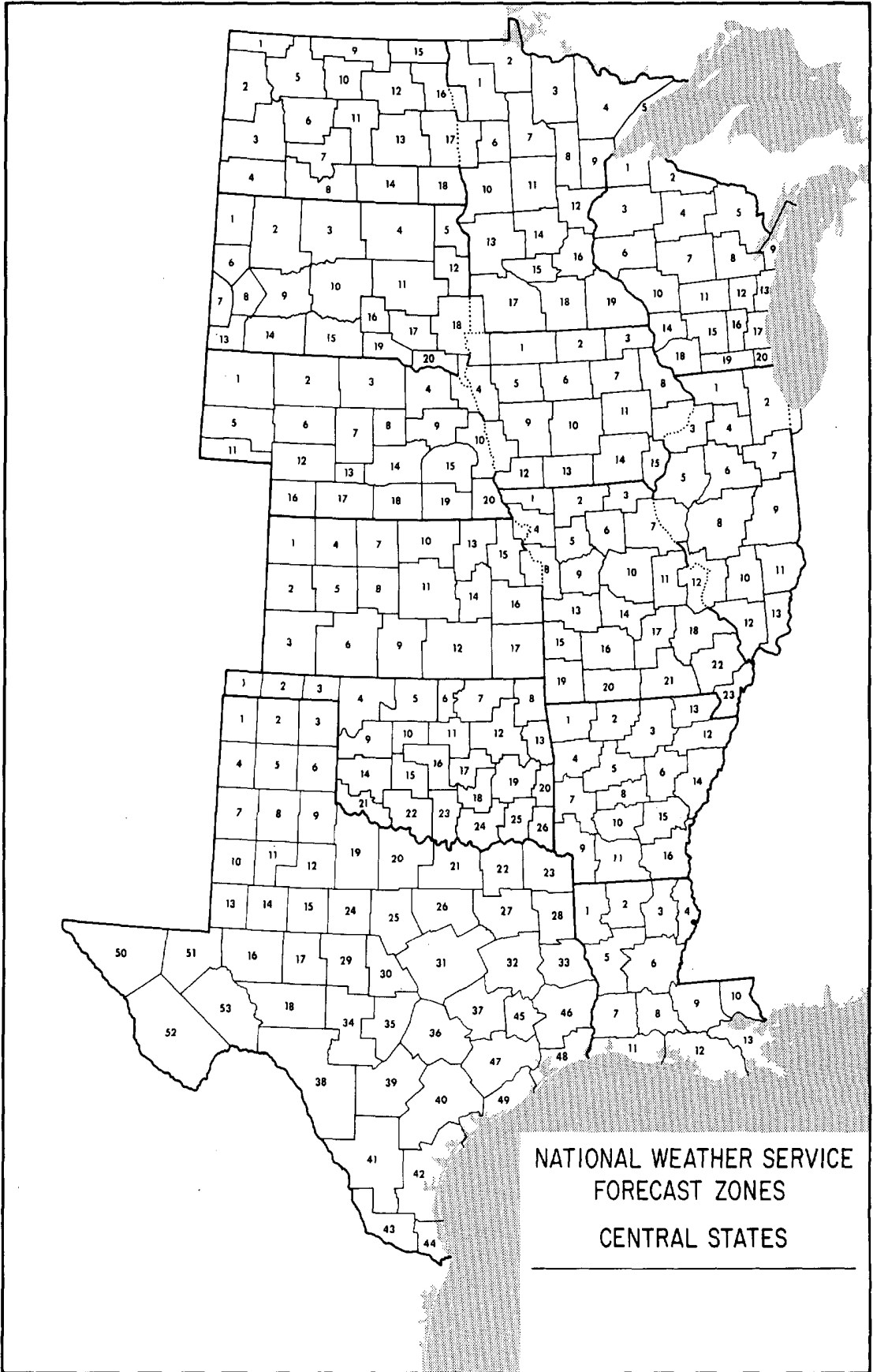


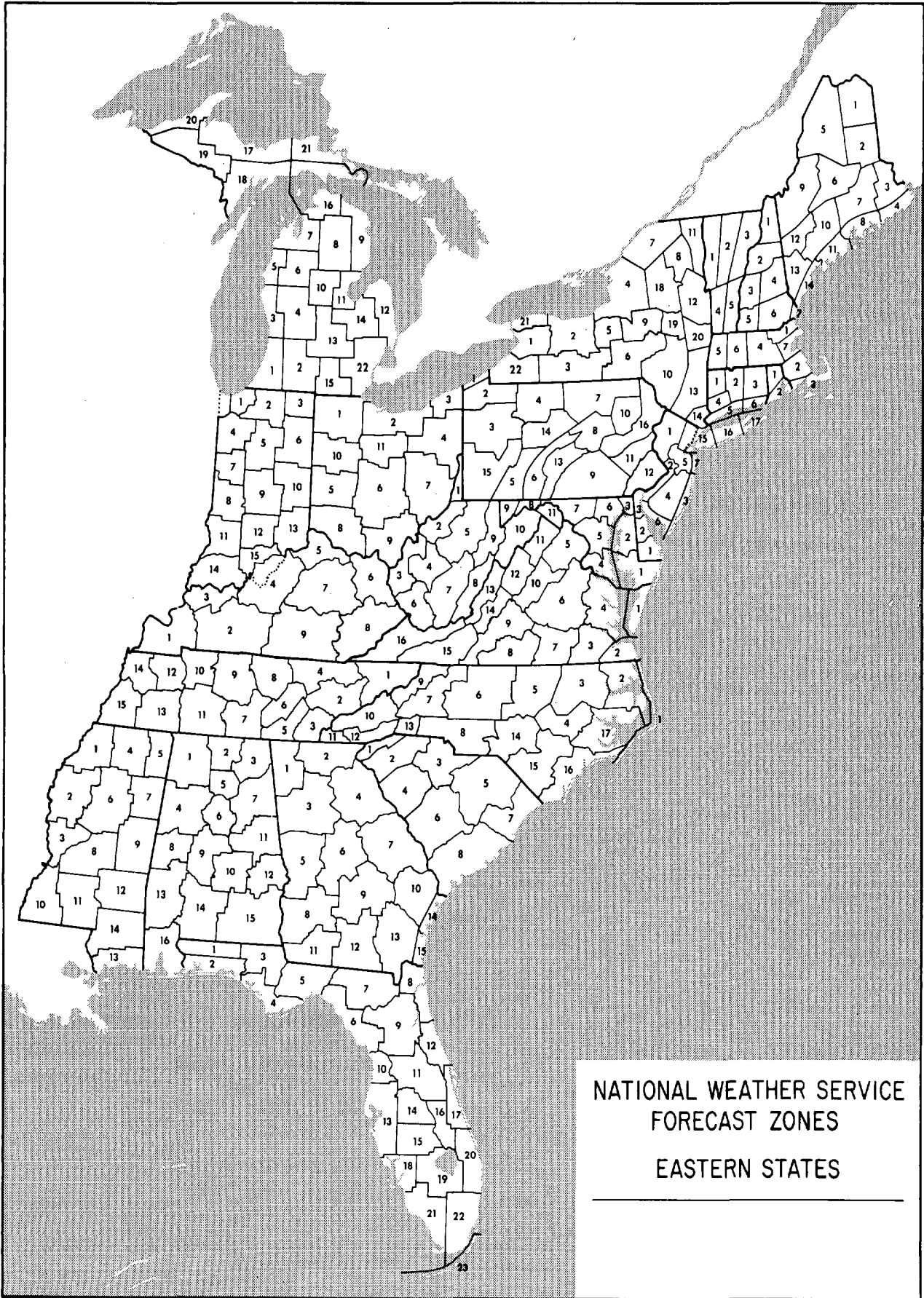
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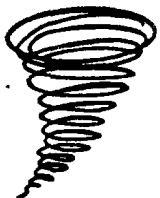
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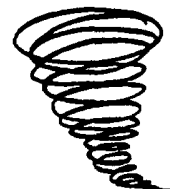
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HOURLY  
PRECIPITATION DATA  
ARIZONA

DECEMBER  
WITH ANNUAL SUPPLEMENT

ISSN 0304-6084

CLIMATOLOGICAL DATA  
ANNUAL SUMMARY  
ARIZONA

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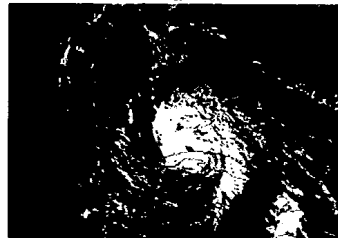
CLIMATOLOGICAL DATA  
ARIZONA

ISSN 0145-0387

LOCAL  
CLIMATOLOGICAL DATA  
Monthly Summary

STATION	ELEVATION (FEET)	LATITUDE	LONGITUDE	MONTHLY SUMMARY																																																																																																																																																																																																						
				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC																																																																																																																																																																																											
TUCSON	2148	32°15'N	110°55'W	1.2	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5	54.0	54.5	55.0	55.5	56.0	56.5	57.0	57.5	58.0	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5	90.0	90.5	91.0	91.5	92.0	92.5	93.0	93.5	94.0	94.5	95.0	95.5	96.0	96.5	97.0	97.5	98.0	98.5	99.0	99.5	100.0

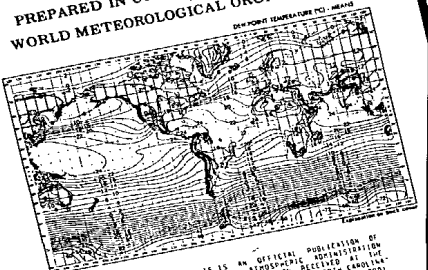
STORM DATA



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*James D. Anderson*  
DIRECTOR  
NATIONAL CLIMATIC DATA CENTER

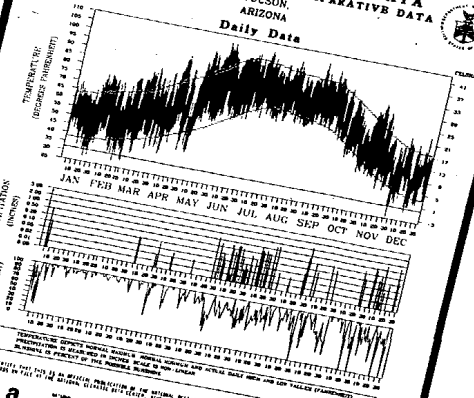
MONTHLY CLIMATIC  
DATA FOR THE WORLD  
PREPARED IN COOPERATION WITH THE  
WORLD METEOROLOGICAL ORGANIZATION



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*James D. Anderson*  
DIRECTOR  
NATIONAL CLIMATIC DATA CENTER

LOCAL CLIMATOLOGICAL DATA  
ANNUAL SUMMARY WITH COMPARATIVE DATA  
TUCSON,  
ARIZONA  
Daily Data



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# **CHALLENGES AHEAD: FLOOD LOSS REDUCTION STRATEGIES FOR THE '90s**

**T**his year's conference theme focuses on the challenges we face in the advent of the 21st century, and the strategies needed to further reduce flood hazards over the next decade. Papers are invited for, but not limited to, the following issues and subjects:

**Mapping Issues:** Delineation of floodplains in rapidly growing areas to account for the effects of future watershed development; new methods and techniques for assessing and evaluating flooding risks; dealing with floodplains not identified through the National Flood Insurance Program or where flood data does not exist.

**Managing Stormwater:** Linking floodplain and stormwater management programs; designing stormwater management facilities to reduce future flood losses while providing other environmental and community benefits; effective funding and maintenance arrangements.

**The Floodplain and Beyond:** Approaches for balancing the need to protect wetlands while allowing for appropriate development of floodplains; special partnerships which further multi-objective management; innovative land use strategies for river corridor management; basinwide approaches to stormwater management.

**Floodplain Management for Tomorrow:** Successful ways to encourage and promote flood preparedness and response; innovative floodplain management programs; effectiveness of Executive Order 11988 in the '90s.; new tools for floodplain managers; noteworthy local regulatory programs; key flood loss reduction issues for the decade ahead and alternatives for resolving them.

**Flood Control:** Designing flood control projects for multi-objective benefits; responding to the growing transfer of flood control project costs from federal to state and local governments.

**Mitigation:** Gaining greater support for state and local flood hazard mitigation activities; practical alternatives for mitigating flood losses to existing structures; exemplary mitigation projects.

**Unique Flood Hazards:** Defining the hazards; new mapping methodologies; effective management standards.

In addition to specific papers, the ASFPD also welcomes proposals for short course presentations at the conference and any special exhibits or demonstrations that may be of particular interest to conference attendees.

## **Submission of Abstracts**

Prospective authors must submit three copies of the following items to Tim Keptner, Program Chair, by October 31, 1989:

- A one page abstract including the paper's title, all authors' names and their affiliations and the kinds of visual aids which will be used in the presentation.
- Concise biographies of all authors not to exceed 100 words per individual including current titles and positions, other background information directly relevant to the paper and complete mailing addresses and telephone numbers.

Authors will receive timely notification of the status of their papers. All papers selected must be submitted by May 15, 1990 for inclusion in the conference proceedings. All attendees, including authors, are expected to pay the conference registration fee.

## **About the Conference**

The conference program will run Tuesday, June 12 through Thursday, June 14, including technical field trips in the Asheville area. The ASFPD will conduct its committee and general membership meetings on Monday, June 11. All members and conference participants are encouraged to attend.

The conference will be held at the Inn on the Plaza, in the heart of Asheville. Conference room rates are \$62 for a single and \$68 for a double. Hemispheric Travel, Inc. of Madison, Wisconsin will serve as the official conference travel agency.

Registration rates prior to May 1, 1990 will be \$180 for members, \$195 for non-members, and \$95 for students.

## **Exhibit Space**

Exhibit space will be made available for a fee to individuals or organizations who wish to display a product or service to attendees. Further information can be obtained from Dan Accurti, Exhibits Chair.

## **Deadlines**

OCTOBER 31, 1989 - final day for the receipt of abstracts and biographies.

MAY 15, 1990 - final day for the receipt of completed papers for inclusion in conference proceedings.



**ASSOCIATION OF STATE  
FLOODPLAIN MANAGERS  
14TH ANNUAL CONFERENCE  
ASHEVILLE, NORTH CAROLINA  
JUNE 11-14, 1990**

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## **About Asheville**

Located at the junction of the French Broad and Swannanoa Rivers, Asheville is the gateway to the Blue Ridge Parkway, Great Smoky Mountains National Park and Mt. Mitchell, the highest peak in the Eastern United States. This mountain region offers a unique blend of cultural and recreational opportunities from white water rafting to Appalachian arts and crafts; from raw natural beauty and scenic attractions to premier mountain resorts and from the simplicity of the Thomas Wolfe Memorial to the grandeur of 7,500 acre Biltmore Estate. Come join us for a breath of fresh air in the North Carolina mountains!

## **Conference Host:**

**NORTH CAROLINA DIVISION  
OF EMERGENCY MANAGEMENT**

**Conference Director - Berry Williams**  
NC Div. of Emergency Management  
116 West Jones Street  
Raleigh, NC 27603-1335  
Tele. (919) 733-3867

**Program Chair - Tim Keptner**  
PA Dept. of Community Affairs  
551 Forum Building  
Harrisburg, PA 17120  
Tele. (717) 787-7403

**Exhibits Chair - Dan Accurti**  
PA Dept. of Community Affairs  
551 Forum Building  
Harrisburg, PA 17120  
Tele. (717) 787-7403

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## **CALL FOR PAPERS**

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ASSOCIATION OF STATE  
FLOODPLAIN MANAGERS  
14TH ANNUAL CONFERENCE  
ASHEVILLE, NORTH CAROLINA  
JUNE 11-14, 1990



**T**he Association of State Floodplain Managers (ASFPM) invites all persons interested in presenting papers at the 14th annual conference in Asheville, North Carolina to submit abstracts for consideration by the program review committee. As the major floodplain management conference in the country, this yearly event attracts a broad audience including local, state, and federal officials, consultants, engineers, planners, representatives from non-profit organizations, researchers, educators, and involved citizens--all of whom have an interest or role in flood hazard reduction activities.

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## **CHALLENGES AHEAD:**

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### **FLOOD LOSS REDUCTION STRATEGIES FOR THE '90s**

\* \* \* DETAILS ON PAGE REVERSE \* \* \*

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