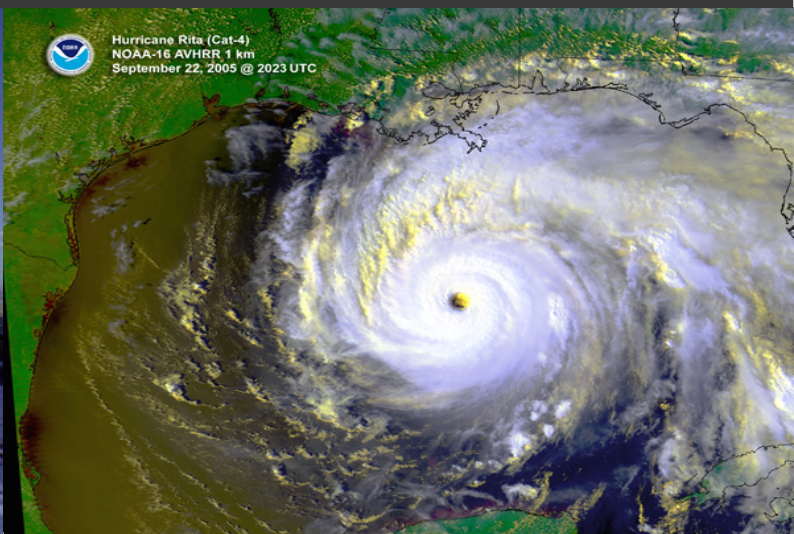


**SEPTEMBER 2007
VOLUME 49
NUMBER 9**

STORM DATA



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



noaa

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE
NATIONAL CLIMATIC DATA CENTER, ASHEVILLE, NC

Cover: This cover represents a few weather conditions such as snow, hurricanes, tornadoes, heavy rain and flooding that may occur in any given location any month of the year. (*Photos courtesy of NCDC*)

TABLE OF CONTENTS

	Page
Outstanding Storm of the Month	4
Storm Data and Unusual Weather Phenomena	5
Reference Notes	175

STORM DATA (ISSN 0039-1972)

National Climatic Data Center

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

STORM DATA contains all confirmed information on storms available to our staff at the time of publication. Late reports and corrections will be printed in each edition.

Except for limited editing to correct grammatical errors, the data in Storm Data are published as received.

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

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

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National Climatic Data Center
151 Patton Avenue
Asheville, NC 28801
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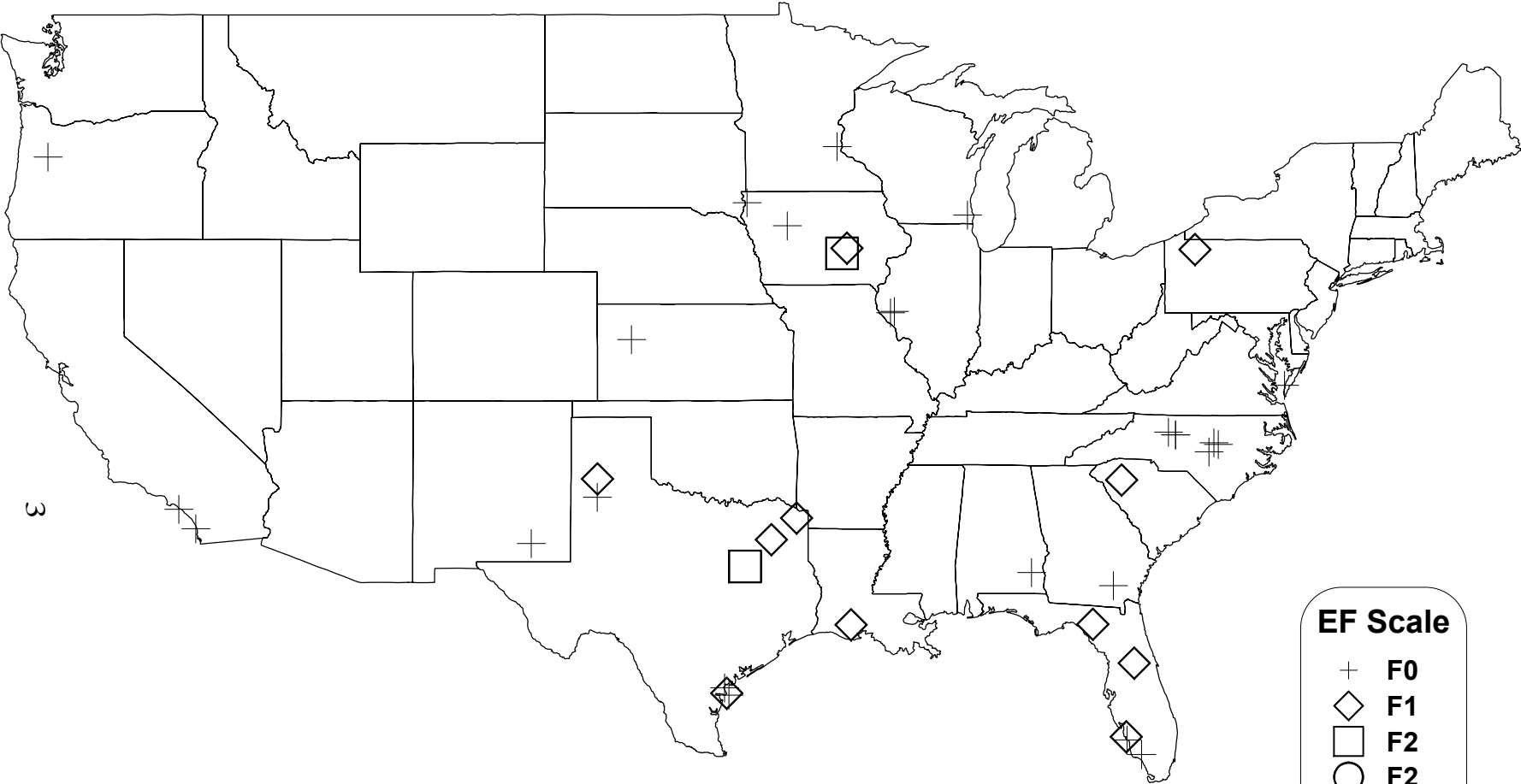
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Thomas R. Karl
Director,
National Climatic Data Center

September 2007 Confirmed Tornadoes



EF Scale

- + F0
- ◇ F1
- F2
- F2
- △ F2
- ⊠ F2

EF Scale	EF0	EF1	EF2	EF3	EF4	EF5	Total
Number	38	11	2	0	0	0	51

OUTSTANDING STORMS OF THE MONTH

**THERE IS NO
“OUTSTANDING STORM OF THE MONTH”
FOR THE MONTH OF SEPTEMBER 2007.**

Storm Data and Unusual Weather Phenomena

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

September 2007

ALABAMA, Central

ALZ011>015-017

Marion - Lamar - Fayette - Winston - Walker - Blount - Etowah - Calhoun - Cherokee - Cleburne - Pickens - Tuscaloosa - Jefferson - Shelby - St. Clair - Talladega - Clay - Randolph - Sumter - Greene - Hale - Perry - Bibb - Chilton - Coosa - Tallapoosa - Chambers - Marengo - Dallas - Autauga - Lowndes - Elmore - Montgomery - Macon - Bullock - Lee - Russell - Pike - Barbour

01	0000CST	0	0	0.00K	Drought
30	2359CST				

Drought conditions continued across Central Alabama through the month of September, despite slightly increased thunderstorm activity and rainfall from the remnants of Tropical Storm Humberto. By the end of the month, roughly 3/4 of Central Alabama remained in the Exceptional Drought (D4) designation, with the remainder in Severe (D2) to Extreme (D3) Drought.

Agricultural, hydrologic, and sociological impacts continued to be widely felt. Around 80 percent of the corn crop, 70 percent of the soybean and cotton crop, and 40 percent of the peanut crop, was considered to be in poor or very poor condition by month's end. According to the USDA, this was one of the worst seasons ever for cotton. In addition, about 60 percent of the livestock, and 75 percent of pasture lands, were also considered to be poor or very poor.

Major rivers and reservoirs continued to run much below normal. Navigation on major rivers remained significantly impacted, and many boat landings on major lakes were unusable due to extremely low lake levels.

Most water utility companies continued to enforce fines and surcharges for excessive water usage, and water restriction plans remained in effect.

Etowah County
4 NE Walnut Grove

14	1100CST	0	0	20.00K	0.00K	Thunderstorm Wind (50EG)
----	---------	---	---	--------	-------	--------------------------

Thunderstorm winds damaged a chicken farm on Bluff Road, in northeastern Etowah County.

An area of thunderstorms produced isolated wind damage in northeast Alabama.

Barbour County
3 W Blue Spgs

21	1634CST	0.36	20	0	0	0.00K	0.00K	Tornado (EF0)
	1635CST							

A Sheriff's Deputy reported a tornado near the intersection of CR 23 and CR 8, just southeast of Clio. The Deputy observed debris, but there was no subsequent damage found.

Tropical Depression #10 spawned an isolated tornado.

ALABAMA, North

ALZ001>010-016

Lauderdale - Colbert - Franklin - Lawrence - Limestone - Madison - Morgan - Marshall - Jackson - Dekalb - Cullman

01	0000CST	0	0		Drought
30	2359CST				

The drought raged on across much of the Central Tennessee Valley. Huntsville International Airport (KHSV) recorded only four rain days in the entire month, for a total of just 1.26 inches. Rainfall areawide ranged from just one inch at Russell Cave National Monument near Bridgeport (Jackson County) to over five inches in Valley Head (De Kalb County). In northwest Alabama, two to five inches of rainfall benefited the short term drought conditions. Exceptional Drought (D4) conditions which were areawide to begin the month improved to Extreme (D3) across this area, with even a sliver of far western Colbert and Franklin Counties improving to Severe (D2) category drought. However, these improvements were largely short term in nature based on accounts from local drought officials.

Colbert County
2 WNW Colbert Hgts

07	1600CST	0	0	1.00K	0.00K	Thunderstorm Wind (52EG)
----	---------	---	---	-------	-------	--------------------------

Thunderstorm winds blew a roof off of a carport and knocked down a power line.

Colbert County
Tuscumbia

07	1610CST	0	0	1.00K	0.00K	Flash Flood
----	---------	---	---	-------	-------	-------------

Minor flooding was reported in some low-lying residential areas of Tuscumbia. Street flooding was also reported in downtown Tuscumbia.

An isolated severe thunderstorm produced intense rainfall of 2 to 2.5 inches within a 90 minute period during the late afternoon hours of the 7th.

Dekalb County
1 ESE Valley Head

14	0900CST	0	0	0.00K	0.00K	Heavy Rain
	1800CST					

Rainfall of 5.06 inches was reported on the 14th.

Storm Data and Unusual Weather Phenomena

September 2007

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

Dekalb County

1 SSE River Park

14	0900CST 1800CST				0	0	0.00K	0.00K	Heavy Rain
----	--------------------	--	--	--	---	---	-------	-------	------------

Rainfall of 4.06 inches was reported on the 14th.

The remnants of Hurricane Humberto produced widespread moderate to locally heavy rainfall on the 14th. The heaviest rainfall occurred over far northeast Alabama in Jackson and DeKalb Counties where many areas received from 2 to 5 inches. This produced substantial ponding of water in low lying areas and provided short term drought relief.

ALABAMA, Southwest

ALZ063

Lower Mobile

20	0630CST 1645CST				0	0	0.00K	0.00K	Heat
----	--------------------	--	--	--	---	---	-------	-------	------

An eight year old female was found dead inside a vehicle. The little girl had been left inside the vehicle all day by accident. The outside air temperature had climbed to near 90 degrees that day where the vehicle was located. The temperatures inside the vehicle were a lot hotter. The little girl was discovered at the end of the day by her father.

ALASKA, Northern

AKZ211

Southern Seward Peninsula Coast

11	1030AKS 2130AKS				0	0	12.06K	0.00K	Coastal Flood
----	--------------------	--	--	--	---	---	--------	-------	---------------

A 970 mb low in the central Bering Sea was stationary on the 11th and 12th and produced tides about 3 feet above normal and southeast winds to 30 mph with waves 6 to 8 feet over Norton Sound. The State of Alaska Department of Transportation reported that Mile 22 on the road from Nome to Council was washed out, with water overflowing at mile 23 and 24. The DOT reported the cost to repair the road at \$12,063.50.

AKZ207

Chukchi Sea Coast

13	1900AKS				0	0		0.00K	Coastal Flood
14	0300AKS								

A low in the central Bering Sea earlier in the week began to weaken but move north to Saint Lawrence Island. This created southeast to south winds around 26 knots (30 mph) with gusts as high as 40 knots (46 mph) resulting in strong wave action and shore erosion on the ocean side of the village of Kivalina. The sea wall was breached and damaged in 3 places by this event. No other damage to structures occurred. Damage amount not available. 280 residents were evacuated from the village on the evening of the 12th; they were returned to the village on the 14th. The remaining 50 villagers who remained reinforced the damaged seawall and a newly eroded section of shoreline north of the seawall. This event put at risk a set of fuel tanks holding 233,710 gallons of diesel fuel for the village.

AKZ210

Northern & Interior Seward Peninsula

18	1130AKS				0	0		0.00K	Coastal Flood
19	0200AKS								

The weather front from a large storm in the Bering Sea moved north over western Alaska and brought east to southeast winds of 26 knots (30 mph) to 39 knots (45 mph) near Deering on the night of the 18th. This created a combination of locally high sea level and ocean waves which flooded the road between the village of Deering and the Deering airport during the night of the 18th. Damage amounts are unknown but expected to be minimal.

ALASKA, Southeast

AKZ023-027

Cape Decision to Salisbury Sound Coastal Area - Dixon Entrance to Cape Decision Coastal Area

21	0100AKS 0700AKS				0	0	0.00K	0.00K	High Wind
----	--------------------	--	--	--	---	---	-------	-------	-----------

A Storm force Low developed to 990 MB just off Sitka Thursday 9/20 late that night. The Low further developed to 984 MB over Juneau at 984 MB at 3 AM AKST Friday 9/21 with a very strong front extending through the Panhandle. This storm rapidly dissipated midday Friday as the center moved into the Coast Mountains to the East of the Panhandle.

ALASKA, Southern

AKZ101

Anchorage Muni to Bird Creek

07	0336AKS				0	0	0.00K	0.00K	High Wind
08	1200AKS								

An approaching front combined with a building ridge of high pressure along the Gulf Coast of Alaska produced the typical strong gap wind along Turnagain Arm.

AKZ185

Eastern Aleutians

10	0130AKS				0	0	0.00K	0.00K	High Wind
11	1200AKS								

An intense North Pacific low moved across the Aleutians into the Bering Sea September 10th. This produced the typically strong wind in the Eastern Aleutians.

Storm Data and Unusual Weather Phenomena

September 2007

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

AKZ187

Central Aleutians

17 2100AKS 0 0 0.00K 0.00K High Wind
18 0500AKS

An intense storm moved into the western Aleutians and Bering Sea September 17th and 18th. As the storm crossed the Aleutians, mariners reported wind gusts to 90 mph.

AKZ181

Alaska Peninsula

28 1930AKS 0 0 0.00K 0.00K High Wind
2045AKS

An intense low in the Gulf of Alaska had strong northwest flow around the west side of the storm. This produced the typical strong gap wind through the mountainous terrain of the Alaska Peninsula.

ARIZONA, Central and Northeast

Apache County

2 E Alpine

01 1450MST 0 0 0.00K 0.00K Hail (1.00)
1510MST

Nickel to quarter sized (7/8 inch to 1 inch diameter) hail fell in Alpine. The nickel sized hail covered the ground to at least one inch deep. Two inches of rain were also reported with this storm. However, no damage was reported.

A severe thunderstorm produced nickel to quarter sized hail in Alpine.

Gila County

4 ENE Gisela

01 1455MST 0 0 0.00K 0.00K Thunderstorm Wind (55EG)
1500MST

Wind broke four inch diameter limbs from mature sycamore trees. The yard is completely covered with tree debris. Also reported 0.31 inches of rain in 10 minutes.

A severe thunderstorm produces damaging winds and very heavy rain southeast of Payson.

Yavapai County

Seligman Arpt

02 1530MST 0 0 0.00K 0.00K Thunderstorm Wind (55EG)
1545MST

Several trees were uprooted and a power pole broken in Seligman. One tree fell on the old Post Office building that is not used anymore. A window broken out of grocery store by the winds.

A severe thunderstorm produced damaging winds in Seligman.

Navajo County

Winslow

02 1945MST 0 0 50.00K 0.00K Lightning

A thunderstorm in Winslow produced lightning that blew out a transformer and knocked out power. The storm also produced high winds, local street flooding, and small hail.

A thunderstorm produced heavy rain with street flooding, high winds, and damaging lightning.

Navajo County

1 N Holbrook

16 1855MST 0 0 0.00K 0.00K Flash Flood
1930MST

A thunderstorm with heavy rain produced flash flooding over Highway 77 about one mile north of Holbrook.

A thunderstorm produced flash flooding about one mile north of Holbrook on Highway 77.

Yavapai County

Castle Hot Spgs

22 1330MST 0 0 0.00K 0.00K Flash Flood
1400MST

Heavy rain, up to 0.91 inches in 15 minutes, flooded portion of a home, hot spring pools, and yard.

Yavapai County

Castle Hot Spgs

22 1330MST 0 0 0.00K 0.00K Hail (1.50)
1400MST

Hail up to the size of ping pong balls (1 1/2 inches in diameter) damaged a truck and punched holes in window screens.

A severe thunderstorm produced ping pong sized hail and flash flooding in Castle Hot Springs.

Gila County

9 S Pine

22 1445MST 0 0 0.00K 0.00K Hail (1.75)

Golf ball size (1.75 inches in diameter) hail reported along Highway 87 about nine miles south of Pine.

Golf ball sized hail fell from a thunderstorm about 9 miles south of the town of Pine.

Storm Data and Unusual Weather Phenomena

September 2007

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

AZZ003

Northwest Deserts

02 1830MST 0 0 100.00K 0.00K Dust Storm
1900MST

Mohave County Kingman

02 1845MST 0 0 50.00K 0.00K Lightning

Lightning set fire to a drug store.
Monsoon moisture fueled late-season thunderstorms.

Mohave County 14 E Temple Bar Marina

22 0630MST 0 0 0.00K 0.00K Flash Flood
0700MST

Diamond Bar Rd. was closed and washes were flooded in Meadview.

A strong low pressure system brought thunderstorms and heavy rain to the Mojave Desert.

ARIZONA, South

Pima County 7 E Ajo

01 1400MST 0 0 25.00K 0.00K Thunderstorm Wind (52EG)

Power lines were downed east of Ajo causing a complete power outage across Western Pima County.

Pima County 1 SW Casas Adobes

01 1700MST 0 0 1.00K 0.00K Thunderstorm Wind (52EG)

An off duty National Weather Service employee reported several large tree limbs broken near Ina Road and Mona Lisa Road.

Monsoonal moisture produced severe thunderstorms with wind damage on the Northwest side of Tucson and east of Ajo in Western Pima County.

Cochise County 1 SSE Lewis Spgs

06 2100MST 1 0 0.00K 0.00K Flash Flood
2145MST

Flash Flooding along an unnamed wash on High Knoll Road near No Name Road east of Sierra Vista caused a 37 year old woman to be fatally swept downstream in her vehicle. F37VE

Heavy rainfall produced flash flooding east of Sierra Vista in Cochise County causing 1 fatality. F37VE

Pima County 1 N Ajo Muni Arpt

15 1550MST 0 0 0.00K 0.00K Flash Flood
1615MST

Flash flooding occurred on Highway 85 north of Ajo.

Remnant monsoonal moisture caused flash flooding in Western Pima County north of Ajo.

ARIZONA, Southwest

Pinal County 1 W Palm Spgs

01 1711MST 0 0 50.00K 0.00K Thunderstorm Wind (52EG)
1730MST

Winds estimated as high as 60 mph blew a roof off a wood structure near Route 60 and Goldfield Road.

AZZ023

Greater Phoenix Area

01 1715MST 0 0 0.00K 0.00K Dust Storm
1800MST

Pinal County 1 W Palm Spgs

01 1725MST 0 0 5.00K 0.00K Thunderstorm Wind (52EG)
1740MST

Strong winds caused power lines to come down in Apache Junction.

Maricopa County 5 SE Chandler

01 2000MST 0 0 50.00K 0.00K Thunderstorm Wind (70EG)
2015MST

A microburst struck a Chandler RV and trailer park, damaging at least one trailer and taking down power lines and uprooting trees.

Dense blowing dust with low visibility spread throughout many East Valley communities. In addition, thunderstorms brought gusty winds to near 60 mph in Apache Junction.

Yuma County 2 S Yuma

02 0015MST 0 0 50.00K 0.00K Hail (1.00)
0030MST

Storm Data and Unusual Weather Phenomena

September 2007

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

Large hail was reported by the public in Yuma.

Yuma County

2 SSE (YUM)Yuma Intl Arpt	02	0025MST			0	0	1.50M	0.00K	Thunderstorm Wind (73MG)
3 NW Yuma Intl Arpt		0040MST							

Numerous trees and as many as 11 power poles reported down due to strong winds. Peak gusts to 84 mph were recorded at the Yuma airport. Arizona Public Service reported about 9,600 people were left without power Sunday morning. Yuma Police responded to more than 120 emergency calls for service, most of which were storm related. Numerous eyewitnesses described the area around the 100 block of West 27th Place as the worst-hit section of town. Condos in that area had considerable roof damage with ceilings collapsing onto living rooms and dining rooms. Large hail and localized flooding was also reported in Yuma.

Thunderstorms resulted in considerable damage in portions of Yuma after winds gusted to 84 mph at the Yuma Airport.

Maricopa County

3 S Tempe	06	1700MST			0	0		0.00K	Heavy Rain
		1900MST							

Locally heavy rain was reported to be a factor in the series of vehicle accidents on US 60. The most serious wreck was a 27-car pileup in the westbound lanes between Rural and McClintock Drive.

Locally heavy rain hit portions of South-central Arizona during the late afternoon hours.

Gila County

9 ESE Roosevelt	07	1830MST			0	0	0.00K	0.00K	Flash Flood
		1945MST							

Flash flooding reported in Roosevelt Estates. Campaign creek had one to two feet of water approximately 60 feet wide that flowed across Mesquite Street.

Flooding was reported along Campaign Creek between Globe and Roosevelt.

Maricopa County

1 N Cotton Center	15	1310MST			0	0	50.00K	0.00K	Thunderstorm Wind (52EG)
		1430MST							

Between Buckeye and Gila Bend trees were uprooted...signs blown down and one roof blown off a shop. Two miles south of Cotton Center a power pole snapped because of the winds.

Strong winds from nearby thunderstorms affected some communities near Gila Bend.

Gila County

10 N Globe	16	1520MST			0	0	0.00K	0.00K	Flash Flood
		1645MST							

Highway 60 reported flooded with rock slides in the area. Spotter to the south of Globe reported .50 inch in only 20 minutes.

Locally heavy rains fell in portions of Southern Gila County.

Maricopa County

3 SE Mesa Falcon Arpt	16	1900MST			0	0	200.00K	0.00K	Thunderstorm Wind (61EG)
		1930MST							

Large trees down...including a 50 foot pine tree near Southern avenue and Greenfield road. Four homes damaged near Sossaman road and Main street. Power lines were down near Main street and Southern avenue.

Thunderstorms developed over the far East Valley resulting in damage to homes, power lines and trees.

Maricopa County

5 NNE Scottsdale Muni	22	1335MST			0	0	0.00K	0.00K	Hail (1.25)
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Large hail was reported by the public.

Large hail reported in parts of Scottsdale.

Gila County

Tonto Basin	23	0800MST			0	0	0.00K	0.00K	Heavy Rain
		1000MST							

Gila county sheriffs office reported roads closed due to high water near Tonto Basin.

Very heavy rain and flooding of low spots in parts of Southern Gila county.

ARKANSAS, Central and North Central

Faulkner County

Conway	04	1450CST			0	0	0.00K	0.00K	Flash Flood
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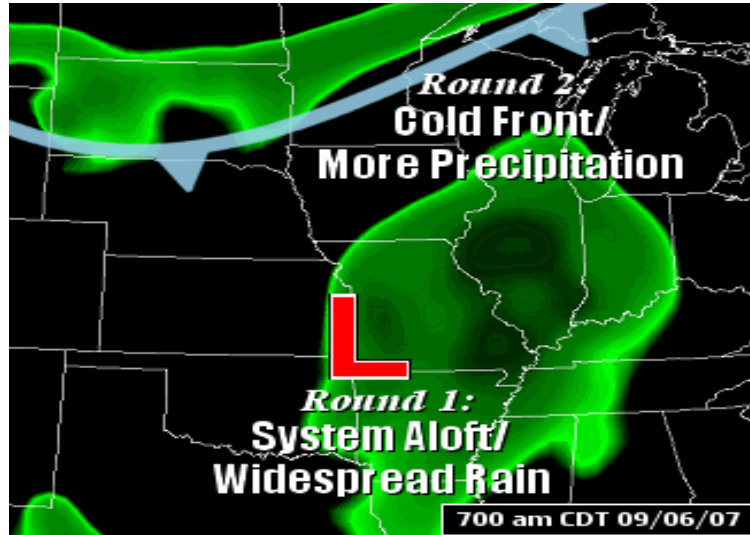
Some of the streets flooded in Conway.

Storm Data and Unusual Weather Phenomena

September 2007

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



The pattern in early September, 2007...with a system aloft ("L") producing heavy rain on the 4th and 5th. A cold front followed from the north with more heavy precipitation by the 8th.

White County Searcy

04	1510CST			0	0	0.00K	0.00K	Flash Flood
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Street flooding was reported in Searcy, with Panther Creek and other creeks reaching bankfull.

White County Judsonia

04	1530CST			0	0	0.00K	0.00K	Flash Flood
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A home was flooded in Judsonia.

Prairie County Hazen

04	1745CST			0	0	0.00K	0.00K	Flash Flood
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Arkansas Highway 11 near Hazen was impassable due to high water over the road.

Faulkner County Conway

05	0747CST 0830CST			0	0	0.00K	0.00K	Flash Flood
----	--------------------	--	--	---	---	-------	-------	-------------

U.S. Highways 64 and 65 were flooded, as were some city streets in Conway.

Pulaski County Little Rock

05	0950CST			0	0	0.00K	0.00K	Flash Flood
----	---------	--	--	---	---	-------	-------	-------------

Street flooding was reported on Arch Street, in Boyle Park, and on LaHarpe Street.

Pulaski County North Little Rock

05	0950CST			0	0	0.00K	0.00K	Flash Flood
----	---------	--	--	---	---	-------	-------	-------------

Street flooding was reported at the 3600 block of John F. Kennedy Blvd. and on Pershing at the railroad underpass.

Saline County Haskell

05	1000CST			0	0	0.00K	0.00K	Flash Flood
----	---------	--	--	---	---	-------	-------	-------------

Water was reported over Arkansas Highway 229.

Lonoke County 3 W Lonoke

05	1010CST			0	0	0.00K	0.00K	Flash Flood
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Flooding was reported on Kerr Road.

Storm Data and Unusual Weather Phenomena

September 2007

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

Prairie County

Hickory Plains
1 W Des Arc

05 1130CST 1200CST 0 0 0.00K 0.00K Flash Flood
A torrential downpour flooded Arkansas Highway 38.

Prairie County

Des Arc

05 1130CST 1200CST 0 0 0.00K 0.00K Flash Flood
Heavy rain caused street flooding in town.

Prairie County

Little Dixie

05 1200CST 0 0 2.00K 0.00K Lightning
Lightning damaged a breaker, causing a power outage.

Arkansas County

Gillett

05 1430CST 0 0 0.00K 0.00K Flash Flood
Water was over several roads in the Gillett area.

Arkansas County

Tichnor

05 1430CST 0 0 0.00K 0.00K Flash Flood
Water was over several roads in the Tichnor area.
Moisture from the Gulf of Mexico surged into Arkansas early in September. The moisture content of the atmosphere rose considerably above normal. Then, an upper level low pressure system arrived and caused heavy rainfall and flash flooding to develop on the 4th and 5th.

Sharp County

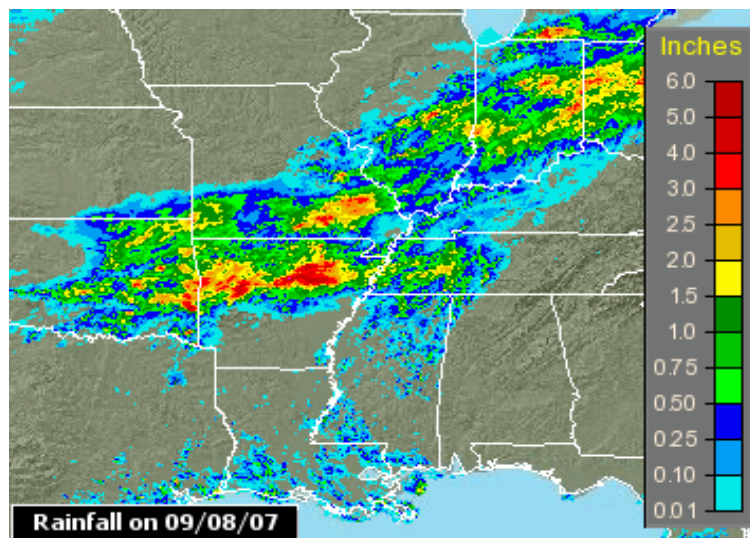
1 SSW Cherokee Vlg

08 1255CST 0 0 10.00K 0.00K Lightning
Lightning struck a tree behind a home, then traveled through a propane gas line to the lower portion of a deck on an enclosed porch. The porch caught fire in two places. There was also some electrical damage inside the home.

Sharp County

4 SW Ash Flat

08 1410CST 0 0 0.00K 0.00K Flash Flood
Minor street flooding occurred.



Heavy rain fell along a stalled front across mainly the northern half of Arkansas on September 8-10, 2007. Rainfall exceeded five inches in some areas.

Independence County

Batesville

09 0200CST 0600CST 0 0 0.00K 0.00K Flash Flood
Flash flooding occurred in Batesville and a number of other places in the county. Several of the roads had to be barricaded until the water receded.

Yell County

4 NW Dardanelle

09 0415CST 0700CST 0 0 8.00K 0.00K Flash Flood

Storm Data and Unusual Weather Phenomena

September 2007

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

Flooding washed out culverts on Wildcat Hollow Road. Gravel was washed off some other roads in northern Yell County.

Cleburne County Wilburn

09	0430CST 0900CST			0	0	0.00K	0.00K	Flash Flood
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Water covered parts of Arkansas Highway 110 near Wilburn.

Cleburne County 3 SE Heber Spgs

09	0430CST 0900CST			0	0	0.00K	0.00K	Flash Flood
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Water covered parts of Arkansas Highway 337, especially in the Pine Snag area.

Cleburne County 2 W Heber Spgs

09	0430CST 0900CST			0	0	5.00K	0.00K	Flash Flood
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Water covered parts of Arkansas Highway 110 in the Heber Springs area. Water entered a few businesses, but damage was minor, mostly requiring mop-up.

Pope County Russellville

09	0430CST 0530CST			0	0	0.00K	0.00K	Flash Flood
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Streets were flooded in Russellville.

White County Bradford

09	0430CST 0730CST			0	0	0.00K	0.00K	Flash Flood
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Several county roads were flooded around Bradford.

White County Russell

09	0430CST 0730CST			0	0	0.00K	0.00K	Flash Flood
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Several county roads were flooded around Russell.

A slow-moving cold front entered Arkansas, colliding with low-level Gulf moisture that was greater-than-normal for September, as well as some middle and upper level atmospheric moisture from the remains of Pacific Hurricane Henriette. The result was periodic heavy rain and flash flooding from the 7th through the 10th. A cold front moving through the state finally pushed the moisture south of Arkansas on the night of the 10th and the morning of the 11th.

ARKANSAS, East

ARZ008-017>018- 026>028-035>036- 048>049-058

Randolph - Clay - Lawrence - Greene - Craighead - Poinsett - Mississippi - Cross - Crittenden - St. Francis - Lee - Phillips

01 30	2300CST 2259CST			0	0	0.00K	0.00K	Drought
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Above normal rainfall during the month of September, relaxed drought conditions over portions of East Arkansas while near to below normal rainfall kept severe(D2) to extreme(D3) conditions over extreme East Arkansas.

Phillips County Watkins Corner

04	1250CST 1400CST			0	0	0.00K	0.00K	Flash Flood
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A letter carrier reported three to four inches of rainfall in the Watkins Corner area. A field was flooded as a result.

An upper level disturbance produced a line of showers and thunderstorms over portions of East Arkansas. Some of the thunderstorms produced heavy rainfall and flash flooding.

Craighead County 3 SSW Brookland

26	1726CST 1926CST			0	0	750.00K	0.00K	Flash Flood
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Heavy rainfall of four to five inches produced flash flooding on Bridger Creek. The flood waters moved into the Windsor Landing and Sage Meadow Subdivisions in the Farrville area. At least twenty-five homes were flooded. Two of the home's garages exploded due to fumes from gasoline containers interacting with water heater pilot lights. A few automobiles were also flooded.

A cold front moved into Arkansas during the afternoon and evening hours of September 26th, 2007. Showers and thunderstorms developed ahead of the front. Some of the thunderstorms produced heavy rain and flash flooding.

ARKANSAS, Northwest

Washington County Elm Spgs

06	0416CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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Storm Data and Unusual Weather Phenomena

September 2007

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

Thunderstorm winds estimated at 60 miles an hour blew down large tree limbs to the south of Creeks Golf Course.

Benton County Bella Vista

06	0456CST			0	0	0.00K	0.00K	Thunderstorm Wind (61EG)
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Thunderstorm winds estimated at 70 miles an hour blew down a large tree.

Isolated severe thunderstorms affected the northwest corner of Arkansas.

Sebastian County Ft Smith

09	0310CST 0500CST			0	0	50.00K	0.00K	Flash Flood
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Heavy rain caused severe street flooding across the City of Fort Smith. Several streets were closed and numerous cars were stranded.

Crawford County Van Buren

09	0315CST 0500CST			0	0	0.00K	0.00K	Flash Flood
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Heavy rain caused severe street flooding across the City of Van Buren. Several roads were closed.

Sebastian County Greenwood

09	0345CST 0545CST			0	0	100.00K	0.00K	Flash Flood
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Heavy rain caused severe street flooding in Greenwood. Streets were closed and ten vehicles were stranded. High water also entered and damaged four homes and a business. The American Red Cross temporarily relocated two families due to the flood damage to their homes.

Heavy rain caused flash flooding across parts of west central Arkansas.

CALIFORNIA, Extreme Southeast

Imperial County 2 NNE Ocotillo

04	1500PST 1530PST			0	0	0.00K	0.00K	Flash Flood
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Portions of Highway 80 and Interstate 8 near Imperial became flooded.

Imperial County 1 ENE Coyote Wells

04	1600PST			0	0	0.00K	0.00K	Hail (0.75)
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Large hail was reported along Interstate 8 near Imperial.

Imperial County El Centro Imperial

04	1600PST 1700PST			0	0	20.00K	0.00K	Thunderstorm Wind (60EG)
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Power poles were reported down in Imperial, and winds gusted to 53 mph at El Centro NAS.

Showers and thunderstorms developed during the afternoon hours, resulting in very heavy rainfall and local flooding. In addition, gusty winds associated with these storms affected portions of Imperial County.

Imperial County Palo Verde

15	1845PST 1915PST			0	0	4.00M	0.00K	Thunderstorm Wind (87EG)
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Very strong, straight line winds caused significant damage to many homes and businesses including a fire station. The storm motion was toward the northeast. Power lines and poles were downed and many trees were uprooted.

Storm survey data indicated the most significant damage was about 651 pm PDT.

Severe thunderstorms developed over parts of Imperial County and moved rapidly northeast during the evening hours. By far, the most damage to structures and trees occurred in Palo Verde, in far northeast Imperial County.

CALIFORNIA, North Central

CAZ017-019

Southern Sacramento Valley - Northern San Joaquin Valley

01	0000PST 2359PST			0	0	0.00K	0.00K	Heat
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A stagnant high pressure system overhead combined with a diminished delta breeze allowed overnight temperatures to remain unusually warm, setting or tying record daily high minimum temperatures in the southern Sacramento and northern San Joaquin Valleys.

Storm Data and Unusual Weather Phenomena

September 2007

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

CAZ015-019

Northern Sacramento Valley - Northern San Joaquin Valley

19	0000PST 2359PST			0	0	0.00K	0.00K	Cold/Wind Chill
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Sacramento County

(SAC)Sacramento Arpt

20	0000PST 2359PST			0	0	0.00K	0.00K	Heavy Rain
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A new daily rainfall record of 0.03 inches was set at the Sacramento Executive Airport. This broke the old record of 0.01 inches for this date set in 2004.

San Joaquin County

(SCK)Stockton Metro

21	0000PST 2359PST			0	0	0.00K	0.00K	Heavy Rain
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A trace of rain was recorded at Stockton Airport, which was enough to set a new daily record for precipitation.

An upper level low pressure system from Canada moved southward along the coast bringing several days of rain and cool weather to interior Northern California, with several inches of snow falling in the Sierra Nevada Mountains above 7000 feet. Record low maximum temperatures were set in several locations in the Sacramento and San Joaquin Valleys. Record rainfall was recorded at Sacramento Executive Airport on September 20th and at Stockton Airport on the 21st.

CAZ015

Northern Sacramento Valley

25	0000PST 2359PST			0	0	0.00K	0.00K	Cold/Wind Chill
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Clear skies and a cool airmass over the northern Sacramento Valley resulted in low temperatures in the region.

CAZ017

Southern Sacramento Valley

29	0000PST 2359PST			0	0	0.00K	0.00K	Cold/Wind Chill
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30	0000PST 2359PST			0	0	0.00K	0.00K	Astronomical Low Tide
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CAZ015

Northern Sacramento Valley

30	0000PST 2359PST			0	0	0.00K	0.00K	Cold/Wind Chill
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Clear overnight skies and a cool airmass from a Pacific upper level trough brought record low temperatures to the Sacramento Valley.

CALIFORNIA, Northeast

CAZ071

Lassen/Eastern Plumas/Eastern Sierra

04	2200PST			0	0	0.00K	0.00K	Dense Smoke
09	0900PST							

The Moonlight Fire in Lassen County produced dense smoke across portions of northeast California.

CAZ072

Greater Lake Tahoe Area

19	1300PST 1700PST			0	0	40.00K	0.00K	Strong Wind
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An intense low pressure system moved from the Pacific Northwest through the northern Sierra, producing strong damaging winds. Up to 10 boats were pulled from their moorings and sunk at the northeast corner of Lake Tahoe.

CALIFORNIA, South Central

Kern County

3 S Rosamond Arpt

01	1507PST			0	0	0.00K	0.00K	Funnel Cloud
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Public reports of a funnel cloud were relayed through the Sheriff's Office between Rosamond and Lancaster. This is the storm that produced an EF0 tornado in the Rosamond area shortly thereafter.

Kern County

3 SW Rosamond

2 SSE Mojave

01	1530PST 1550PST	13.05	75	0	0	175.00K	0.00K	Tornado (EF0)
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Official NWS damage survey determined that an EF0 (Enhanced Fujita) tornado touched down about 3 miles southwest of Rosamond...then traveled north through Rosamond and northeast to about 3 miles southeast of Mojave. This tornado had estimated wind speeds of 65-85 mph. The first touchdown occurred near the intersection of Avenue A and 40th Street West, which is about 3 miles southwest of Rosamond. Minor property damage occurred in this area with several fences blown over and small trees and branches downed. The tornado then traveled north to around Rosamond Blvd, where numerous utility poles were blown over, branches were downed and some miscellaneous debris was found. The path then curved northeast and crossed Highway 14 near Dawn and Backus Roads and Sierra Highway. Damage in this area amounted to some property damage to several mobile homes. Minor debris was found a few miles southeast of Mojave, which is the area that the tornado dissipated.

Storm Data and Unusual Weather Phenomena

September 2007

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

Kern County

1 W Rosamond

01	1535PST			0	0	100.00K	0.00K	Thunderstorm Wind (55EG)
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A trained weather spotter reported a power pole on a house on 53rd Street on the west side of Rosamond. These winds were associated with the severe thunderstorm that spawned a tornado nearby.

Kern County

1 E Mojave

03	1625PST			0	0	0.00K	0.00K	Thunderstorm Wind (72MG)
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A damaging wind gust, in association with a severe thunderstorm, was report at the Mojave Spaceport with data from the Edwards Weather System wind tower.

Kern County

1 S Mojave Mojave Arpt

03	1645PST 1800PST			0	0	0.00K	0.00K	Flash Flood
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Local law enforcement reported Highway 14 flooded in both directions near the intersection of California City Blvd. Flooding was also occurring around the Mojave Airport.

A strong ridge of high pressure aloft lingered over California and the Desert Southwest the first 3 days of the month, keeping the central and southern San Joaquin Valley under triple-digit heat. A monsoonal flow triggered thunderstorms over the mountains and the Kern county deserts, and one thunderstorm near Rosamond on September 1st spawned a tornado that moved through the town; a National Weather Service storm survey rated the tornado at EF0 on the new Enhanced Fujita scale. As the thunderstorm collapsed, it generated high winds that knocked down several power poles and created areas of blowing dust. Other thunderstorms in the same complex dropped 1.4-inch hail on the town of Boron in the southeastern corner of Kern county, generated a wind gust measured at 83 mph at the Mojave Air and Spaceport, and caused flash flooding in the vicinity of Mojave and California City.

CAZ096-097

South Sierra Mountains - Tulare County Mountains

20 21	0000PST			0	0	0.00K	0.00K	Winter Weather
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The first winter storm of the season moved into Central California on September 20. At least two inches of snow fell on Tioga Pass, and thunderstorms developed over the central and southern San Joaquin Valley, lingering into the late evening.

Kings County

7 E Hanford Muni Arpt

22	1709PST 1800PST			0	0	0.00K	0.00K	Flash Flood
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Flash flooding observed along Fargo Ave and Grangeville Blvd between 7th Ave east to the Tulare county line. Flooding was observed through 645 pm PDT.

Kings County

7 E Hanford Muni Arpt

22	1724PST			0	0	0.00K	0.00K	Hail (0.88)
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A trained storm spotter observed hail to the size of nickels with a severe thunderstorm.

Fresno County

4 SSW Squaw Vly

22	1954PST			0	0	0.00K	0.00K	Hail (0.75)
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A trained storm spotter reported that Hail to the size of pennies coated the roadway.

Fresno County

4 WSW Dunlap

22	2030PST 2200PST			0	0	12.00K	0.00K	Flash Flood
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A trained storm spotter and storm chaser observed debris from flash flooding, branches, limbs and leaves on George Smith and Sand Creek Roads near Squaw Valley after heavy rains.

Tulare County

5 N Orosi

22	2100PST 2300PST			0	0	5.00K	0.00K	Flash Flood
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A trained storm spotter noted debris of leaves, small trees and branches from flash flooding. The location was just east of Orange Cove on Sand Creek Rd.

An upper-level low dropped down the coast on the 21st, and moved inland over Southern California the next day. This low triggered another thunderstorm outbreak, with hail up to 0.88 inch in diameter falling in eastern Kings County during the afternoon of September 22nd, and 0.75-inch hail falling west of Squaw Valley in Fresno County near the foothills. Flash flooding occurred in eastern Kings County, central Fresno County, and north-central Tulare County, with scattered reports of road flooding and minor mud/debris flows elsewhere in the central and southern San Joaquin Valley.

Storm Data and Unusual Weather Phenomena

September 2007									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
CALIFORNIA, South Central									
CAZ525	Morongo Basin								
	02	1200PST			1	0	0.00K	0.00K	Excessive Heat
	Hot desert temperatures claimed a life. M38OU								
Inyo County									
Death Vly	21	1000PST			0	0	0.00K	0.00K	Flash Flood
		1400PST							
	Several roads and attractions were closed in Death Valley National Park due to flooding, mud and debris. Time of damage occurrence unknown.								
	A strong low pressure system brought thunderstorms and heavy rain to the Mojave Desert.								
CALIFORNIA, Southwest									
CAZ042-048-050-055>058-060	Orange County Coastal Plain - San Diego County Coasts - San Bernardino County Valley/The Inland Empire - San Diego County Valleys - San Bernardino County Mountains - Riverside County Mountains - Santa Ana Mountains and Foothills - San Diego County Mountains - Apple and Yucca Valleys - Coachella Valley - San Diego County Deserts								
	01	0000PST			0	0	0.00K	0.00K	Drought
	30	2359PST							
	Despite monsoon thunderstorm activity in the beginning of the month and an early winter-like storm near the end of the month, the National Drought Monitor continued to indicate D3 extreme drought conditions for the entire SGX CWA during the month of September. This was due to non-irrigated agriculture and native vegetation stresses, extreme fire danger, water shortages, and water restrictions. The continued drought in the Colorado River watershed, continued drought in Southern California, and a court-ordered reduction in water supplies from the Sacramento River Delta raises serious concerns about a possible water crisis in the local area. Wells in some rural areas continue to run dry. Local radio and television advertisements urging water conservation become more frequent. There was a noticeable increase in the number of wildfires as the moisture content of live and dead vegetation continued to decrease.								
CAZ048-061-062	San Bernardino County Valley/The Inland Empire - Coachella Valley - San Diego County Deserts								
	01	0000PST			4	2	0.00K	0.00K	Excessive Heat
	03	2359PST							
CAZ042-048-050-055>058-060	Orange County Coastal Plain - San Diego County Coasts - San Bernardino County Valley/The Inland Empire - San Diego County Valleys - San Bernardino County Mountains - Riverside County Mountains - Santa Ana Mountains and Foothills - San Diego County Mountains - Apple and Yucca Valleys - Coachella Valley - San Diego County Deserts								
	01	0000PST			0	0	0.00K	0.00K	Heat
	04	2359PST							
	Strong high pressure and easterly flow brought hot, humid weather to much of Southern California. Temperatures exceeded 95 along the coast and in the mountains, 105 in the Orange and San Diego County valleys, 110 in the Inland Empire and high deserts, and 115 in the lower deserts. Humidity levels were quite high for the region, especially in the lower deserts where periodic gulf surges would raise the dewpoint into the 70s. At least 6 people died of heat related causes within the CWA, however the actual number of deaths is probably higher than indicated.								
CAZ055	San Bernardino County Mountains								
	01	1128PST			0	0	0.00K	0.00K	Wildfire
	04	1700PST							
	The Butler Fire was started by a lightning strike near Highway 18 between Snow Valley and Big Bear Lake Dam. The fire burned 85 acres of timber and chaparral in steep terrain. There were no reports of injury or property damage.								
San Diego County									
1 SE Lake Henshaw	01	1227PST			0	0	15.00K	0.00K	Thunderstorm Wind (50EG)
		1305PST							
	A severe thunderstorm formed south of Lake Henshaw and then moved northward through Sunshine Summit and into Oak Grove. A two vehicle accident occurred after several large tree limbs were blown down onto Highway 76 just west of Highway 79 near Lake Henshaw. Futher north, a very large Live Oak was split in half near Sunshine Summit and branches and tree limbs were scattered across Highway 79. Lastly, several trees were blown over along Highway 79 near Oak Grove. Flash flooding was also reported with these storms.								
San Bernardino County									
3 W Forest Falls	01	1303PST			0	0	0.00K	0.00K	Flash Flood
		1333PST							
	Flash flooding was reported in Mill Creek Canyon at Mountain Home Village. There were no reports of damage or injuries.								
San Bernardino County									
Wrightwood	01	1320PST			0	0	25.00K	0.00K	Flash Flood
Phelan		1410PST							

Storm Data and Unusual Weather Phenomena

September 2007

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

Heavy rain from a thunderstorm caused widespread flash flooding for a second straight day in and around the mountain town of Wrightwood. A torrent of water went rushing down Sheep Creek Wash and over Lone Pine Canyon Road. A flash flood of water and debris also inundated the bridge at Heath Creek. The flash flood rushed north and east through several washes that lead into the desert near Phelan.

A very moist and unstable airmass resulted in widespread afternoon thunderstorms over the mountains of San Diego, Riverside, and San Bernardino Counties. Additional thunderstorms erupted on the Elsinore Convergence Zone in the Inland Empire. Severe weather and flash flooding were reported with a few of these thunderstorms.

CAZ057

Santa Ana Mountains and Foothills

02	0000PST	0	0	0.00K	0.00K	Excessive Heat
03	2359PST					

Strong high pressure and easterly flow brought hot, humid weather to much of Southern California. Temperatures exceeded 95 along the coast and in the mountains, 105 in the Orange and San Diego County valleys, 110 in the Inland Empire and high deserts, and 115 in the lower deserts. Humidity levels were quite high for the region, especially in the lower deserts where periodic gulf surges would raise the dewpoint into the 70s. At least 6 people died of heat related causes within the CWA, however the actual number of deaths is probably higher than indicated.

San Bernardino County 5 NW Forest Falls

02	1155PST	0	0	0.00K	0.00K	Flash Flood
	1215PST					

Heavy rain from thunderstorms caused at least 5 large rock and mud slides along highway 38 from near Valley of the Falls Drive to Angelus Oaks. The highway was temporarily shut down due to safety concerns and to allow road crew to clean up the mess.

Riverside County Nuevo

02	1309PST	0	0	10.00K	0.00K	Thunderstorm Wind (50EG)
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Severe thunderstorms along the Elsinore Convergence Zone caused damaged to an unspecified number of power poles in Nuevo.

San Bernardino County 1 S Wrightwood

02	1319PST	0	0	25.00K	0.00K	Flash Flood
	1430PST					

Thunderstorms with heavy rain caused flash flooding in and downstream of Wrightwood for a third straight day. A flash flood in Heath Canyon Creek washed out Trush Road and Victorville Road just south of Highway 2 in Wrightwood. A tactical disaster response team was activated in Wrightwood because of the flooding.

CAZ048

San Bernardino County Valley/The Inland Empire

02	1330PST	0	0	0.00K	0.00K	Wildfire
	1430PST					

San Diego County 2 ENE Ramona

02	1341PST	0	0	60.00K	0.00K	Thunderstorm Wind (56EG)
	1345PST					

A thunderstorm with heavy rain produced a severe microburst in downtown Ramona. Numerous trees were blown over or sustained damage, including a number of Eucalyptus trees along Main Street. Several power poles were blown over along Highway 78 just east of town and a few outbuildings sustained damaged. There was also damaged to signs, fencing, and even a public bench.

A very moist, unstable airmass and weak easterly flow resulted in another round of thunderstorms across Southern California. Thunderstorms initiated over the higher terrain and then spread westward into the inland valleys. Severe weather and flash flooding were reported with a few of these storms.

CAZ050

San Diego County Valleys

03	0000PST	0	2	0.00K	0.00K	Excessive Heat
	2359PST					

Strong high pressure and easterly flow brought hot, humid weather to much of Southern California. Temperatures exceeded 95 along the coast and in the mountains, 105 in the Orange and San Diego County valleys, 110 in the Inland Empire and high deserts, and 115 in the lower deserts. Humidity levels were quite high for the region, especially in the lower deserts where periodic gulf surges would raise the dewpoint into the 70s. At least 6 people died of heat related causes within the CWA, however the actual number of deaths is probably higher than indicated.

CAZ048

San Bernardino County Valley/The Inland Empire

10	1345PST	0	4	0.00K	0.00K	Wildfire
12	0700PST					

The Colina Fire burned 430 acres along Carrancho and Calle Colina Rd near Temecula. A vehicle accident was the cause of this fire.

CAZ058

San Diego County Mountains

12	1215PST	0	0	0.00K	0.00K	Wildfire
16	0530PST					

Storm Data and Unusual Weather Phenomena

September 2007

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

The Pine Fire began on September 16 southeast of Pine Valley near Corte Madera Ranch. The Pine Fire was caused by an illegal campfire and burned 2,170 acres between Corte Madera Rd and Bear Valley Rd. No structures were damaged or destroyed.

CAZ055

San Bernardino County Mountains

14	1221PST				0	4	50.00K	0.00K	Wildfire
20	0000PST								

The Butler 2 Fire started very near where the Butler Fire had been burning earlier in the month. Over the course of several days, the Butler 2 Fire burned 14,039 acres as it spread northward from near Highway 18 toward the border of the San Bernardino National Forest. Flames came within 1/4 mile of Fawnskin, prompting a mandatory evacuation. A state of emergency was declared by Gov. Schwarzenegger for San Bernardino County because of the threat the fire posed to 6,000 homes and 150 businesses in the Big Bear area. Several campgrounds were burned, including Camp Whittle, Crafts Peak, Gray's Peak, Lower Larga Flats, Ironwood Group Campground near Cienega Larga, and Hancock Springs. There were 3 outbuildings destroyed in Camp Whittle and four firefighters sustained minor injuries.

CAZ058

San Diego County Mountains

15	1231PST				0	7	1.00M	0.00K	Wildfire
19	1700PST								

The Angel Fire began on September 15 about 1/2 mile northeast of downtown Julian in a remote section of Camp Stevens. The fire quickly spread eastward through Whispering Pines, into the Banner Grade, and then up the southwestern flank of Volcan Mountain. The neighborhoods of Whispering Pines and Kentwood in the Pines were placed under mandatory evacuations. The Angel Fire, which began as an illegal campfire, burned 837 acres. The fire destroyed 1 home and 23 outbuilding, including 15 buildings at Camp Stevens.



Photo taken from Kentwood in the Pines by Steven Vanderburg.

Orange County Newport Beach

22	1000PST	0.1	15	0	0	0.00K	0.00K	Tornado (EF0)
	1001PST							

The public posted YouTube footage of a waterspout coming ashore in Newport Beach. The waterspout dissipated about one minute after leaving the ocean. The time of the event is estimated.

Orange County 1 SW San Clemente 1 SW Capistrano Beach

22	1038PST			0	0	0.00K	0.00K	Funnel Cloud
	1050PST							

San Diego County 2 SSW South Oceanside 1 WSW Carlsbad

22	1120PST			0	0	0.00K	0.00K	Funnel Cloud
	1125PST							

San Diego County 2 WSW South Oceanside 1 SW Oceanside

22	1120PST			0	0	0.00K	0.00K	Funnel Cloud
	1125PST							

San Diego County 1 SW Cardiff By The Sea

22	1143PST	0.1	15	0	0	0.10K	0.00K	Tornado (EF0)
	1144PST							

A waterspout came ashore at Cardiff State Beach. Several tents were thrown into the air. The waterspout dissipated rapidly upon coming ashore.

Storm Data and Unusual Weather Phenomena

September 2007

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

A cold-core cutoff low pressure system off the coast of Southern California brought heavy rain to Orange County and waterspouts to the San Diego County coast. A band of convection just off the coast of San Diego and Orange Counties produced a line of at least 8 waterspouts and countless more funnel clouds in the span of about an hour. Several of these waterspouts occurred simultaneously within close proximity to each other. One waterspout came ashore at Cardiff State Beach and blew over some tents. Another waterspout came ashore in Newport Beach. None of the waterspouts caused any serious damage. The exact number of waterspouts and funnel clouds is not known, and the position and path length of each waterspout and funnel cloud is very much a rough estimate. This event was not associated with island band convection.

CAZ061

Coachella Valley

26	1247PST			0	0	0.00K	0.00K	Wildfire
27	0615PST							

The Polk Fire burned 100 acres south of Thermal Airport near Polk Street and Avenue 62. The cause of the Polk Fire was a vehicle fire. There were no reports of damage or injury.

CALIFORNIA, Upper

CAZ084-085

Northeast Siskiyou and Northwest Modoc Counties - Modoc County

24	0200PST 0900PST			0	0	0.00K	0.00K	Frost/Freeze
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A Freeze Warning was issued for California zones CAZ084/085 at 23/0314 PDT, effective from 24/0200 until 24/0900 PDT. Reported low temperatures ranged from 20 to 30 degrees in the warning area, so the warning verified well. A Frost Advisory was issued for California zones CAZ080/081/082, but lows this morning in those zones ranged from 27 to 34 degrees. A freeze warning should have been issued for these zones as well.

25	0200PST 0832PST			0	0	0.00K	0.00K	Frost/Freeze
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A Freeze Warning was issued for California zone CAZ084 and Oregon Zone ORZ029 at 24/1437 PDT, effective from 25/0200-25/0900 PDT. The warning was cancelled at 25/0832 PDT. Reported low temperatures in CAZ084 ranged from 26 to 40 degrees, so some areas of the zone did see freezing temperatures.

29	0100PST 0900PST			0	0	0.00K	0.00K	Frost/Freeze
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A Freeze Warning was issued for California zone CAZ084 and Oregon Zone ORZ029 at 28/0211 PDT, effective from 29/0100-29/0900 PDT. The warning was cancelled at 29/0900 PST. The only reported low temperatures in CAZ084 was 24 degrees, so this appears that this warning verified.

CALIFORNIA, West South Central

CAZ044>047-053> 054-088

Ventura County Interior Valleys - Ventura County Coastal Valleys - Santa Monica Mountains Recreation Area - Los Angeles County Valleys - Ventura County Mountains - Los Angeles County Mountains Excluding the Santa Monica Range - Santa Clarita Valley

01 03	0000PST 2000PST			0	0	0.00K	0.00K	Excessive Heat
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The heat wave which started at the end of August continued into the first few days of September. The combination of above normal temperatures and relative humidity continued to produce excessive heat conditions across sections of Southern California. At the end of the heat wave, 18 heat-related deaths were reported across Los Angeles county.

CAZ052

Santa Barbara County Mountains

01 02	0000PST 1800PST			0	38			Wildfire
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At the start of September, the Zaca Wildfire had yet to be fully contained. On September 2nd, full containment of the fire was achieved.

Los Angeles County 2 NE Lancaster

01	1500PST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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A trained spotter in the community of Lancaster reported a severe thunderstorm with winds in excess of 60 MPH. The thunderstorm winds knocked down trees and 5-inch diameter branches along the Antelope Valley Freeway between Avenue N and 50th Street East.

Los Angeles County 8 SE (WJF)Wm Fox Fld Lanc

01	1520PST 1525PST	0.05	10	0	0	0.00K	0.00K	Tornado (EF0)
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A pilot at the Lancaster airport reported a weak tornado on ground to the southeast of the airport. No damage or injuries were reported.

Los Angeles County 2 E Palmdale

01	1545PST 1630PST			0	0	0.00K	0.00K	Flash Flood
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Storm Data and Unusual Weather Phenomena

September 2007

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

Strong monsoonal thunderstorms produced heavy rain and flash flooding in the community of Palmdale. A trained spotter reported flash flooding near the intersection of Palmdale Boulevard and Avenue J.

Los Angeles County 18 N Claremont

02	1241PST 1330PST			0	0	0.00K	0.00K	Flash Flood
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Strong monsoonal thunderstorms over the Los Angeles county mountains produced flash flooding between Mountain High ski resort and the community of Wrightwood.

From September 1st through the 2nd, monsoonal moisture continued to produce strong thunderstorms across the mountains and deserts. Some thunderstorms reached severe levels, producing wind damage including a weak tornado. Also, several reports of flash flooding were received.

CAZ054

Los Angeles County Mountains Excluding the Santa Monica Range

02 08	1330PST 1700PST			0	0	0.00K	0.00K	Wildfire
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Lightning associated with monsoonal thunderstorms started a wildfire in the Angeles National Forest near the community of Acton.

CAZ037-041-051

San Luis Obispo County Interior Valleys - Cuyama Valley - Los Angeles County Coasts including Downtown Los Angeles - San Luis Obispo County Mountains - Santa Barbara County Mountains

03	0800PST 2000PST			0	0	0.00K	0.00K	Excessive Heat
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The heat wave which started at the end of August continued into the first few days of September. The combination of above normal temperatures and relative humidity continued to produce excessive heat conditions across sections of Southern California. At the end of the heat wave, 18 heat-related deaths were reported across Los Angeles county.

Los Angeles County 7 SE Avalon Catalina Arpt

21	2050PST 2330PST			0	0	0.00K	0.00K	Flash Flood
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Strong thunderstorms dumped heavy rain over the Island burn area on Santa Catalina Island. The heavy rain produced flash flooding in Avalon Canyon with a school house and a horse stable flooded out. The mud and debris flow prompted the evacuation of Avalon Canyon and Quail Canyon.

Los Angeles County 2 E Hollywood

21 22	2255PST 0030PST			0	0	0.00K	0.00K	Flash Flood
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California Highway Patrol reported significant flooding at the intersection of Highway 101 and Los Feliz Boulevard.

Los Angeles County 1 E Hollywood

21	2255PST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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A severe thunderstorm knocked down seven power poles near Hollywood.

Los Angeles County 1 SE Gardena

22	0430PST 0545PST			0	0	0.00K	0.00K	Flash Flood
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California Highway Patrol reported flash flooding near the community of Gardena along the 110 Freeway north of Highway 91. Numerous vehicles were stuck in several feet of water.

Los Angeles County 1 E Universal City

22	1143PST 1345PST			0	0	300.00K	0.00K	Flash Flood
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Strong thunderstorms dumped heavy rain over the Barham burn area. The heavy generated a significant mud and debris flow below the burn area. Nearly two feet of mud covered a hundred yard stretch of Forest Lawn Drive. A dozen parked cars were buried by the mud and debris. No injuries were reported.

An unseasonably cold early season storm moved south from western Canada, bringing significant weather to sections of Southern California between the 20th and 22nd. Most areas received between one quarter and one inch of rainfall with locally higher amounts associated with thunderstorms. In fact, some thunderstorms produced rainfall rates up to 0.70 inches in 20 minutes. With such intense showers, numerous reports of flash flood and debris flows were received in and around recent burn areas. In addition, some gusty thunderstorms winds knocked down power poles across sections of Los Angeles county.

Storm Data and Unusual Weather Phenomena

September 2007

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



Forest Lawn Drive near Barham Blvd in Los Angeles early Saturday afternoon 9/22/07. Photo by Mike Meadows.

CAZ040

Ventura County Coast

23 1000PST 0 1 0.00K 0.00K Rip Current
Strong rip currents developed across the Southern California coastal waters.

COLORADO, Central and Northeast

Adams County

1 E Bennett

16 1423MST 0 0 0.00K 0.00K Thunderstorm Wind (58EG)

A storm chaser measured a peak wind gust to 67 mph.
A severe thunderstorm produced a peak wind gust of 67 mph.

Jackson County

12 WSW Coalmont

16 1645MST 0 0 Thunderstorm Wind (61EG)

A significant blow down of trees occurred in Jackson County, 3-4 miles southeast of Buffalo Pass. About 25 acres of trees were blown down. The trees were either snapped off or uprooted, and mostly ranged in size from 1 to 2 feet in diameter. The largest trees downed were Blue Spruce.

COLORADO, East Central

Kit Carson County

6 SW Stratton

06 1511MST 0 0 0.00K 0.00K Hail (0.88)

Kit Carson County

16 S Burlington

06 1552MST 0 0 5.00K 0.00K Thunderstorm Wind (65EG)

Metal building was knocked over and the contents inside the building were damaged.

Severe thunderstorms produced damaging winds and golf ball sized hail across portions of eastern Colorado and northwest Kansas during the late afternoon and evening hours.

Yuma County

1 W Yuma

16 1645MST 0 0 0.00K 0.00K Thunderstorm Wind (55MG)

Blowing dirt resulting from thunderstorm outflow reduced visibility to between zero and 1/4 mile at times near Yuma and Wray, Colorado.

Thunderstorms produced a few reports of strong outflow winds accompanied by blowing dirt.

Cheyenne County

Cheyenne Wells

29 1810MST 0 0 0.00K 0.00K Thunderstorm Wind (56EG)

CoCoRaHS report of broken trees. Newspaper account nearby also mentioned blowing dirt and low visibility just north of Cheyenne Wells about this time.

Storm Data and Unusual Weather Phenomena

September 2007

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

Kit Carson County Burlington Arpt

29	1824MST			0	0	0.00K	0.00K	Thunderstorm Wind (50MG)
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A line of strong to severe thunderstorms swept across much of the Tri-state area producing numerous reports of strong wind and marginally severe hail.

COLORADO, South Central and Southeast

El Paso County 9 SW Colorado Spgs

02	1758MST			0	3	0.00K	0.00K	Lightning
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Four people seeking shelter in a tent on a ridge along Gold Camp Road in western El Paso county were struck by lightning. One fatality occurred, and the three other people were injured.

Baca County 11 S Springfield

15	1250MST 1300MST			0	0	0.00K	0.00K	Hail (0.75)
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Penny size hail occurred south of Springfield.

COZ081-082

Teller County/Rampart Range above 7500 Ft/Pikes Peak between 7500 & 11000 Ft - Pikes Peak above 11000 Ft

29	0200MST			0	0	0.00K	0.00K	High Wind
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Strong to high gradient winds occurred over the eastern mountains and plains.

Otero County 4 W Cheraw

29	1652MST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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A thunderstorm produced marginally severe winds near Cheraw in Otero County.

COLORADO, West

COZ001>007-009- 011-013-017

Lower Yampa River Basin - Central Yampa River Basin - Roan and Tavaputs Plateaus - Elkhead and Park Mountains - Upper Yampa River Basin - Grand Valley - Debeque to Silt Corridor - Grand and Battlement Mesas - Central Gunnison and Uncompahgre River Basin - Flattop Mountains - Uncompahgre Plateau and Dallas Divide - Northwestern San Juan Mountains - Southwestern San Juan Mountains - Paradox Valley/Lower Dolores River Basin - Four Corners/Upper Dolores River Basin - Animas River Basin

01 30	0000MST 2359MST			0	0	0.00K	0.00K	Drought
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Improvement in the drought conditions occurred across western Colorado as a series of Pacific storm systems brought substantial rainfall to the area. Drought conditions receded across the area leaving abnormally dry to moderate drought confined to the far northwest portion of Colorado by the end of the month.

Mesa County Gateway

05	1150MST 1215MST			0	0	0.00K	0.00K	Heavy Rain
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Rainfall of 1.00 inch fell in 25 minutes.

Moffat County Craig

05	1245MST 1336MST			0	0	10.00K	0.00K	Thunderstorm Wind (43EG)
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Strong gusty winds and heavy rain buffeted Craig causing power outages throughout town and minor street flooding.

Rio Blanco County Rangely

05	1302MST 1322MST			0	0	0.00K	0.00K	Heavy Rain
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Rainfall of .60 inches fell in 20 minutes.

Moffat County Craig

05	1325MST 1335MST			0	0	0.00K	0.00K	Hail (0.75)
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Hail covered the ground to a depth of two inches. The hail stones ranged from pea-size to penny-size diameter.

Moffat County 2 E Dinosaur

05	1414MST 1419MST			0	0	0.00K	0.00K	Hail (0.88)
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Nickel size hail occurred at Dinosaur National Monument Headquarters.

Moffat County 3 E Dinosaur

05	1419MST 1424MST			0	0	0.00K	0.00K	Hail (0.88)
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Hail covered the ground.

Storm Data and Unusual Weather Phenomena

September 2007

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
COLORADO, West									
Rio Blanco County 10 W Meeker	05	1425MST 1525MST			0	0	0.00K	0.00K	Flash Flood
									Runoff from heavy rain producing thunderstorms caused mud and debris to flow across Highway 64 in 4 different locations 10 to 12 miles west of Meeker. Mud, rocks, trees, and other vegetation were deposited on the roadway, up to 4 feet deep in places. Some of the rocks were 3 to 4 feet in diameter. Many culverts along the highway became plugged with debris. Two semi trucks became stuck in the debris.
Moffat County 15 SW Greystone	05	1510MST 1515MST			0	0	0.00K	0.00K	Hail (0.88)
									Hail was observed at Roundtop Tower Lookout in Dinosaur National Monument.
Moffat County 12 WSW Greystone	05	1510MST 1515MST			0	0	0.00K	0.00K	Hail (0.88)
									Hail observed at Zenobia Tower Outlook in Dinosaur National Monument.
Moffat County Maybell	05	1520MST 1528MST			0	0	5.00K	0.00K	Hail (1.00)
									Hail from 3/4 inch to 1 inch diameter occurred. The hail broke windows on some homes. The hail came down with such force in one area that it punched holes in a 5 gallon plastic bucket.
Moffat County 3 E Maybell	05	1525MST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
Rio Blanco County 20 ESE Rangely Arpt	05	1623MST			0	0	0.00K	0.00K	Thunderstorm Wind (56MG)
Rio Blanco County Meeker Arpt	05	1635MST			0	0	0.00K	0.00K	Thunderstorm Wind (54EG)
									A major shift in the weather pattern occurred as a strong upper level trough and associated cold front swept across the area. Deep moisture ahead of the system and strong forcing resulted in some severe thunderstorms and flash flooding across western Colorado.
Moffat County 11 WSW Maybell	06	1048MST 1053MST			0	0	0.00K	0.00K	Funnel Cloud
									An unsettled airmass in the wake of a strong cold front produced a funnel cloud.
COZ002-005									Upper Yampa River Basin - Central Yampa River Basin
	11	0000MST 0600MST			0	0	0.00K	0.00K	Frost/Freeze
									A cold and dry airmass settled over the area resulting in the first freezing temperatures of the season for portions of the central and upper Yampa River Basin.
Moffat County 1 SE Hamilton	16	1300MST 1540MST			0	0	0.00K	0.00K	Heavy Rain
									Rainfall of 2.35 inches occurred and caused localized flooding of a field and a driveway on the property of a COOP Observer. Water also washed boulders bigger than basketballs off a mountain just east of the property.
La Plata County 5 N Durango	16	1420MST 1430MST			0	0	0.00K	0.00K	Heavy Rain
									Rainfall of .65 inches fell in 10 minutes.
La Plata County Durango	16	1423MST 1429MST			0	0	0.00K	0.00K	Heavy Rain
									Rainfall of .50 inches fell in 4 minutes with a total of .60 inches in 6 minutes.
La Plata County Hermosa	16	1424MST 1439MST			0	0	0.00K	0.00K	Heavy Rain
									Rainfall of .50 inches fell in 15 minutes.

Storm Data and Unusual Weather Phenomena

September 2007

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
COLORADO, West									
Montrose County 2 N Paradox	16	1430MST 1435MST			0	0	0.00K	0.00K	Heavy Rain
									Rainfall of .60 inches fell in 5 minutes. Runoff formed a stream of water through a yard. A rockslide was observed on a hill north of the spotters location.
La Plata County 7 N Durango	16	1445MST 1450MST			0	0	0.00K	0.00K	Heavy Rain
									Rainfall of .56 inches fell in 5 minutes.
Moffat County 1 E Craig	16	1526MST 1530MST			0	0	0.00K	0.00K	Funnel Cloud
Rio Blanco County Rangely Meeker	16	1548MST 1830MST			0	0	0.00K	0.00K	Heavy Rain
									Heavy rain producing thunderstorms caused minor flooding in a number of locations along Highway 64 between Rangely and Meeker.
Rio Blanco County Meeker	16	1640MST 1645MST			0	0	0.00K	0.00K	Hail (1.00)
									Hail from penny-size to quarter-size in diameter occurred in Meeker.
Garfield County Silt	16	1855MST 1910MST			0	0	0.00K	0.00K	Heavy Rain
									One inch of rain fell in 15 minutes.
Garfield County 4 W New Castle	16	1934MST 2034MST			0	0	0.00K	0.00K	Heavy Rain
									Runoff from heavy rain caused mud to flow into some yards on the north side of Interstate 70 near Mile Marker 101.
									An upper level disturbance moved across western Colorado resulting in thunderstorm development across the area.
Garfield County Silt	17	0400MST 0520MST			0	0	0.00K	0.00K	Heavy Rain
									About a foot of water was standing on Highway 6 just east of Silt.
									Runoff from heavy rain producing thunderstorms caused minor flooding near Silt along Highway 50.
Mesa County 5 NW Mack	17	1200MST 1400MST			0	0	0.00K	0.00K	Heavy Rain
									Runoff from heavy rain producing thunderstorms caused minor flooding as water flowed out of the banks of Salt Wash northwest of Mack.
									Runoff from heavy rain producing thunderstorms caused minor flooding along Salt Wash northwest of Mack.
Garfield County Parachute	23	0615MST 1015MST			0	0	0.00K	0.00K	Heavy Rain
									Standing water reported in Parachute along Yampa Avenue and at Cottonwood Park.
Garfield County 3 WSW New Castle	23	0815MST 1015MST			0	0	0.00K	0.00K	Heavy Rain
									Standing water reported along Interstate 70 near Mile Marker 100.5 between Silt and Newcastle.
Mesa County 3 SW Collbran	23	0847MST			0	0	0.00K	0.00K	Heavy Rain
									Mud and water flowed onto Highway 65 near Plateau Creek.
COZ022 Animas River Basin	23	1000MST			0	0	0.00K	0.00K	Landslide

Storm Data and Unusual Weather Phenomena

September 2007

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

Dolores County

Rico 23 1130MST 1217MST 0 0 0.00K 0.00K Heavy Rain
Rainfall of 1.50 inches was reported. The Dolores River was running high and overflowed its banks into a grassy area at North Bridge.

Mesa County

5 NW Mack 23 1130MST 1400MST 0 0 0.00K 0.00K Heavy Rain
Runoff from heavy rain caused West Salt Wash to flow out of its banks and cause minor flooding.

Heavy rain producing thunderstorms caused some minor flooding and falling rocks.

COZ001-007>008-014-023

Central Yampa River Basin - Upper Gunnison River Valley - San Juan River Basin - Central Colorado River Basin - Debeque to Silt Corridor - Lower Yampa River Basin

25 0000MST 0730MST 0 0 0.00K 0.00K Frost/Freeze
A vigorous autumn weather system ushered in the coldest air of the season so far.

COZ006

Grand Valley

29 1131MST 0 0 0.50K 0.00K Strong Wind
Southwest flow ahead of a strong cold front produced strong gusty gradient winds across western Colorado.

CONNECTICUT, Northwest

Litchfield County

Kent 08 1820EST 0 0 0.00K 0.00K Thunderstorm Wind (50EG)
Trees were reported down in Kent due to strong thunderstorm winds.

Litchfield County

1 N Winsted 08 1901EST 0 0 0.00K 0.00K Thunderstorm Wind (50EG)
Trees were reported down on utility wires near Winsted due to strong thunderstorm winds.

Litchfield County

Torrington 08 1910EST 0 0 0.00K 0.00K Thunderstorm Wind (50EG)
A tree was reported down on wires in Torrington due to strong thunderstorm winds.

A cold front approached western New England during the late afternoon and evening hours on Saturday, September 8th. This front, combined with a warm, moist and unstable air mass in place, led to the development of scattered thunderstorms across northwest Connecticut, some of which became locally severe.

DELAWARE

DEZ001>004

New Castle - Kent - Inland Sussex - Delaware Beaches

01 0000EST 0 0 0.00K 0.00K Drought
30 2359EST

Unseasonably dry weather in September continued to take its toll on non-irrigated crops across Delaware. For the state, it was the 5th driest September on record dating back to 1895. On a county weighted average, September rainfall ranged from 0.4 inches in New Castle County, to 1.2 inches in Kent County. Normal is about 3.7 inches.

Storm Data and Unusual Weather Phenomena

September 2007

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

The crop damage was already done. On September 11th, the United States Department of Agriculture declared the entire state a drought disaster area. This made farmers who suffered more than 30 percent crop losses and unable to secure loans from conventional banks to be eligible for low interest loans. It was estimated that 90 percent of all Delaware farmers suffered at least 30 percent crop losses. The last drought disaster occurred in 2002.

The corn harvest was expected to be 40 percent less than 2006, the largest year over year decline of any state. The corn yield per acre was expected to be the second lowest in the nation. The soybean harvest was affected also as it was forecasted to be 32 percent less than 2006. It was expected to be the lowest soybean harvest since 1970. Even farms that had irrigation capabilities, the high cost of electricity and diesel fuel cut into their profits. The reduced corn harvest forced the Delaware poultry industry to have to import feed from other states. Hay fields were also dry and there were continued problems with spider mites. One of the few benefits of the dry weather was that it reduced powdery mildew problems on pumpkins and there were no muddy field problems.

The drought started to have an affect on stream and water supplies. Shallow groundwater wells were near record lows. Deeper wells were falling slower. Newark had to start using its back-up reservoir for water supplies because of the reduced flow along the White Clay Creek. Pennsylvania started to release 5 million gallons of water a day from the Marsh Creek Reservoir to protect downstream ecosystems and water users along the Brandywine Creek. Dry conditions allowed salt levels to move farther upstream than normal along tidal sections of the Christina River and White Clay Creek. An inflatable dam was used to

Sussex County **2 E Ellendale**

11	0000EST			0	0	5.00K	0.00K	Lightning
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A lightning strike and ensuing fire caused a shed fire on a property on Reynolds Pond Road east of Ellendale. Damage was estimated at \$5,000.

A cold front that moved through Delaware on the night of the 10th triggered thunderstorms that caused lightning damage in Sussex County.

FLORIDA, East Central

St. Lucie County **Ft Pierce**

10	1230EST			0	0	0.00K	0.00K	Funnel Cloud
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The observer at Ft. Pierce airport reported a funnel cloud.

Afternoon sea breeze thunderstorms produced a funnel cloud over Ft. Pierce.

St. Lucie County **Ft Pierce**

12	1326EST			0	0	0.00K	0.00K	Funnel Cloud
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Law enforcement reported a funnel cloud over Ft. Pierce.

Volusia County **1 S Ponce Park**

12	1540EST			0	2	0.00K	0.00K	Lightning
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A small boat was struck by lightning in the Halifax River. The two people on board were transported to a local hospital with minor injuries.

Orange County **Orlando**

12	1615EST			0	0	0.00K	0.00K	Hail (0.88)
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Nickel size hail was observed in downtown Orlando.

Orange County **Orlando**

12	1615EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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Thunderstorm winds blew down a few trees and produced hail and some street flooding in Orlando.

Summertime pulse thunderstorms produced hail, wind damage, lightning and funnel clouds over central Florida.

Volusia County **Ormond Beach** **New Smyrna Beach**

18	2000EST			0	0	0.00K	0.00K	Heavy Rain
19	1800EST							

As much as 9 inches of rain fell in a 24-hour period across parts of coastal Volusia County.

Thunderstorms lingered over Volusia County.

Lake County **1 SSW Eustis**

20	2157EST 2205EST	1.83	300	0	0	6.20M	0.00K	Tornado (EF1)
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A tornado touched down in the Town of Eustis at the northern end of West Crooked Lake. The tornado quickly intensified to EF1 strength as it moved north northwest through Eustis. The track was just under two miles long and had a maximum width of 300 yards. The tornado destroyed 7 homes. Twenty seven homes received major damage and 81 homes reported minor damage. There were no serious injuries and property damage was set at \$6.2 million.

Storm Data and Unusual Weather Phenomena

September 2007

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

As Tropical Depression number 10 began to slowly organize in the Gulf of Mexico, low level rotation allowed numerous strong mesocyclones to track north over western Orange and northern Lake counties.									
Brevard County 7 N Mims	21	1615EST			0	0	0.00K	0.00K	Funnel Cloud

A trained spotter reported a funnel cloud north of Mims.
Strong thunderstorms occurred over Brevard County.

FLORIDA, Northeastern

St. Johns County 1 WSW Ponte Vedra Beach	01	1615EST			0	0	100.00K	0.00K	Lightning
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A house fire occurred in Ponte Vedra due to a lightning strike. The cost of damage was estimated.

St. Johns County 1 NW Anastasia	01	1630EST			0	0	100.00K	0.00K	Lightning
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The 911 center had damage to some consoles due to a lightning strike. Around the same time, a house fire was started in St. Augustine from a lightning strike. The cost of damage was estimated.

St. Johns County 1 NW Anastasia	01	1645EST			0	0	2.00K	0.00K	Flood
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Roads were flooded in downtown St. Augustine as well as in St. Augustine Shores. Cars had to be abandoned due to high water on roadways. Cost of damage was estimated.
A surface trough extended across the forecast area in a highly unstable and moisture laden environment. Sea breezes as well as upper level divergence enhanced updrafts and severe storms developed across the forecast area.

Alachua County 3 SSW Arredonda	02	1410EST			0	0			Thunderstorm Wind (50EG)
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Numerous power lines were blown down along southwest Archer Road.

St. Johns County St Augustine	02	1500EST 1700EST			0	0			Heavy Rain
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Spotters across eastern St. Johns county reported 3 inches up to a foot of standing water in some locations. Near State Road 5A and U.S. Highway 1 the swales accumulated around 1 foot of water.

Stacked low pressure over the area in a moisture laden environment sparked scattered severe storms across the forecast area. A flood watch was issued for portions of southeast Georgia.

Flagler County 2 NNW Mantanzas	10	1610EST			0	0	0.00K	0.00K	Heavy Rain
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Water accumulated on Florida Park Drive and caused some minor flooding on the road. Radar indicated rainfall estimates of 1.5 to 2 inches in the past hour. Observers measured daily rainfall totals of up to 2.25 inches in northwest Palm Coast.

Flagler County 2 NNE Mantanzas	10	1610EST			0	0			Thunderstorm Wind (50EG)
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Trees were blown down on power lines near the Palm Coast Library.

Isolated strong to severe storms developed across north Florida during the afternoon and evening as the sea breezes interacted in a moist airmass as a weak trough lifted northward up the Florida peninsula.

Marion County 1 W Stanton	11	1915EST			0	0			Heavy Rain
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A trained spotter reported heavy rainfall and 2 to 3 inches of standing water on the roadways between Weirsdale and Oklawaha in Marion county. Radar estimates were near 4 inches with locally higher amounts.

Localized flooding from slow moving afternoon and evening storms spawned by the sea breezes occurred in Marion county.

Duval County 1 E (NRB)Nas Mayport	12	1650EST			0	0			Thunderstorm Wind (50EG)
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Storm Data and Unusual Weather Phenomena

September 2007

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

Power lines were blown down in the Mayport area. The time of the event was estimated by Doppler radar.

St. Johns County 2 W Ponte Vedra

12 1715EST 0 0 Thunderstorm Wind (50EG)

The Marsh Landing Country Club reported trees were blown down along with numerous large limbs across the golf course. The time of the event is estimated based on radar.

St. Johns County 1 S Palm Vly

12 1745EST 0 0 Thunderstorm Wind (50EG)

Several large trees were blown down and bunkers were washed out due to heavy rain at the TPC at Sawgrass golf course in Ponte Vedra. The time of the event was estimated based on radar.

St. Johns County 1 N Vilano Beach

12 2145EST 0 0 2.00K 0.00K Heavy Rain

A 4x4 foot portion of a mobile home roof collapsed due to heavy rain accumulations. The cost of damage was estimated.

A cold front moving into south Georgia as well as the sea breezes spawned scattered severe storms across the forecast area in the afternoon and evening. An upper level low retrograding over the eastern Gulf of Mexico provided additional upper level support for updraft formation.

Duval County 1 ESE Marietta

16 2300EST 0 0 0.00K 0.00K Heavy Rain
17 1815EST

A trained spotter reported 5.13 inches of rainfall since midnight.

Duval County 1 S Eggleston Hgts

16 2300EST 0 0 0.00K 0.00K Heavy Rain
17 1416EST

Craig Field ASOS reported 4.01 inches of rain since midnight and it was still raining at the time of the report.

Duval County 2 WNW Isle Of Palms South

16 2300EST 0 0 0.00K 0.00K Heavy Rain
17 1420EST

A Cooperative Observer reported 5.39 inches of rainfall since midnight. The observation site location was just east of the Jacksonville Golf and Country Club.

Duval County Jacksonville Beach

16 2300EST 0 0 0.00K 0.00K Heavy Rain
17 1045EST

A trained Spotter reported severe ponding on roadways in Jacksonville Beach with some of Penman Road completely flooded. A few small tree limbs were also reported down.

Duval County 1 W Jacksonville Beach

16 2300EST 0 0 0.00K 0.00K Heavy Rain
17 1420EST

The Jacksonville Beach Co-op observer reported 8.01 inches of rain since midnight.

Duval County 2 N Cedar Hills

16 2300EST 0 0 0.00K 0.00K Heavy Rain
17 1420EST

A trained spotter reported 5.24 inches of rainfall since midnight. The observer's location was just southwest of Cassat Avenue and Normandy Boulevard.

Duval County 2 SW Arlington

16 2300EST 0 0 0.00K 0.00K Heavy Rain
17 1420EST

A trained spotter who was part of a local mesonet reported 4.18 inches of rainfall since midnight. The location was just west of the Phillips Highway and Saint Augustine Road interchange.

Flagler County Flagler Beach Bunnell Flagler Arpt

16 2300EST 0 0 0.00K 0.00K Heavy Rain
17 1000EST

Storm Data and Unusual Weather Phenomena

September 2007

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

Reports from Flagler County Emergency Management include 4.16 inches of rain at Flagler Beach as of 9:00 am EDT, 0.50 inches of rain at the Flagler County EOC as of 1100 am EDT, and 2.99 inches of rain in East Palm Coast as of 11:00 am EDT.

Flagler County Flagler Beach

17 0130EST 0 0 0.00K 0.00K Heavy Rain
0226EST

A spotter in Flagler Beach measured 3.55 inches of rainfall since 130 am EST/230 am EDT.

Duval County Arlington Marietta

17 0500EST 0 0 0.00K 0.00K Heavy Rain
1124EST

At 11:00 EST, a trained spotter reported 3 to 6 inches of water on road at the Five Points intersection and 8 to 10 inches at Stockton Road and Interstate 10. A second spotter reported water up to mid point of tires at the intersection of Century 21 Street and Bowden Road.

Duval County 2 SSE Jacksonville

17 1125EST 0 0 0.00K 0.00K Flood
1630EST

Flooding along Interstate 95 southbound at Interstate 10 closed both Interstates. Flooding was also reported along Cassett Avenue at Interstate 10 and flooding at Normandy Boulevard at Fouraker Road was also prompting road closures. The Moncrief Creek water level was up to bottom of bridge along Moncrief Road and West 45th Street near Summer Brooks Nursing Home. One business was flooded in San Marco and fifteen motorists had to be rescued from stalled vehicles. At 12:45 EDT a trained spotter reported Riverside Avenue flooded from Barrs Street...near St Vincents Hospital north to Memorial Park at Riverside Avenue and Margaret Street. Cars were being turned away for due to 2 to 2.5 feet of water in the roadway.

Duval County Jacksonville Beach

17 1125EST 0 0 0.00K 0.00K Flood
1630EST

Water covered several intersections along A1A and many other secondary streets in Jacksonville Beach, Neptune Beach, and northern Ponte Vedra Beach. the Observed estimated over 4 inches of rain since dawn.

FLZ038

Flagler

19 0944EST 0 0 1.00K 0.00K Strong Wind
1022EST

FLZ025

Duval

19 1500EST 0 0 Coastal Flood
2100EST

FLZ033

St. Johns

19 1728EST 0 0 0.01K Strong Wind

A large high pressure center over the mid-Atlantic states caused cold air damming along the eastern seaboard and Piedmont with a strong coastal trough developing along the northeast Florida coast. The tightened low level pressure gradient when combined with strong upper level diffluence led to minor coastal flooding and areal rainfall flooding in Duval, St Johns, and Flagler Counties of north Florida.

Marion County 2 SE Montague 3 SE Silver Spgs

20 1515EST 0 0 Thunderstorm Wind (50EG)

Trees and power lines were blown down north of Silver Springs and east of Ocala. Over 700 residents were without power between 415 pm to 500 pm.

Marion County 4 S Eureka

20 1750EST 0 0 Thunderstorm Wind (50EG)

Trees were blown down on County Road 314A.

Marion County 2 SSW Montague

20 2000EST 0 0 Thunderstorm Wind (50EG)

Power lines and a large pole were blown down along Southeast 91st Place, about 5 miles north northwest of Belleview. The time of the event was estimated based on radar.

Marion County Weirsdale

20 2050EST 0 0 Heavy Rain

Storm Data and Unusual Weather Phenomena

September 2007

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

There was minor street flooding at the intersection of County Road 25 and Highway 42 in Weirsdale. The spotter observed about 4 to 8 inches standing water on some roads in the area.

Marion County 1 SW Summerfield

20	2111EST	0	0	Thunderstorm Wind (50EG)
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Trees and power lines were blown down along 47th Avenue. A tornado warning was in effect.

Marion County 3 NE Belleview

20	2127EST	0	0	Hail (0.75)
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A tornado warning was in effect.

Marion County 1 ESE South Ocala

20	2230EST	0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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Trees were blown down and caused power outages south of Ocala.

Alachua County 1 WSW Arredonda

20	2345EST	0	0	Thunderstorm Wind (50EG)
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Clay Electric reported numerous power lines and trees were blown down along State Road 24, northeast of Archer.

Marion County 3 WSW Lynne

21	0000EST	0	0	Thunderstorm Wind (50EG)
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Trees were blown down across many areas of east Ocala.

Marion County 3 WNW Electra

21	0008EST	0	0	Thunderstorm Wind (50EG)
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Many trees were blown down about 5 miles northeast of Silver Spring Shores. There was also widespread tree debris around the area.

Alachua County 2 SSE Earleton

21	0045EST	0	0	Thunderstorm Wind (50EG)
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Clay Electric reported power lines and trees were blown down just west of Melrose.

Putnam County 1 W Florahome

21	0115EST	0	0	Thunderstorm Wind (50EG)
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Clay Electric reported power lines and trees were blown down just north of Florahome.

Marion County 1 S Belleview

21	1910EST	0	0	Heavy Rain
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A spotter reported heavy rainfall with no visibility and flooding on Baseline Road in Belleview. Radar estimated rainfall rates of about 3 inches an hour.
Low pressure moved west-northwest across the Florida peninsula and into the eastern Gulf of Mexico. On Wednesday night 9/20-21/2007 a rainband developed over central Florida and moved rapidly northward into north Florida and southeast Georgia.

FLZ024-033

Duval - St. Johns - Nassau

30	0942EST 1142EST	0	0	0.00K	0.00K	High Surf
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A moderate and persistent northeast flow between a surface high over the Eastern seaboard and a cold front across south Florida produced high surf and high astronomical tides along the Northeast Florida coast which caused beach erosion and coastal flooding.

FLORIDA, Northwest

Madison County Madison

01 02	1930EST 0230EST	0	0	100.00K	0.00K	Lightning
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Lightning caused extensive damage to the county jail and EOC, with communications down for several hours.

Storm Data and Unusual Weather Phenomena

September 2007

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

FLZ008

Several strong thunderstorms produced intense lightning in Madison County, with extensive damage to the county jail and EOC. Very heavy rainfall also caused widespread urban and small stream flooding throughout the county, with 8.3 inches reported at the USFS tower south of Madison.

Coastal Walton

11	1526EST			2	0	0.00K	0.00K	Rip Current
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Two men drowned from rip currents at Miramar Beach. M42IW, M23IW

Lafayette County 5 W Mayo

20	2320EST 2321EST	0.25	35	0	0	2.00K	0.00K	Tornado (EF1)
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The tornado uprooted large oak trees with debris on State Highway 53 and County Road 351.

An EF-1 tornado briefly touched down five miles west of Mayo.

Jackson County 4 SE Marianna

21	1558CST			0	0	0.00K	0.00K	Funnel Cloud
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A funnel cloud was reported near State Highway 71 bout two miles south of Interstate 10.

Jackson County 1 SE Marianna

21	1602CST			0	0	0.00K	0.00K	Funnel Cloud
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A funnel cloud was reported north of Interstate 10 near the Walmart.

Washington County 3 W Chipley

21	1610CST			0	0	0.00K	0.00K	Funnel Cloud
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A funnel cloud was sighted just north of Interstate 10.

Tropical Depression 10 came ashore just southwest of Crestview, Florida during the evening of September 21. The lowest sea level pressure recorded was 1005.3 mb at Buoy 42039, 80 nautical miles south of Panama City, Florida. Both the maximum sustained wind and peak wind gust of 27 and 35 knots, respectively, were also recorded at the buoy. Storm total rainfall ranged from 0.15 inches at Chipley to 2.37 inches at Apalachicola, Florida. Storm tides ranged from 2.5 to 4.1 feet along the Panhandle coast. There were no reports of beach erosion or inland flooding. There were a few reports of funnel clouds in portions of the Panhandle.

FLZ015

Franklin

23	1440EST			1	0	0.00K	0.00K	Rip Current
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A rip current proved fatal for a man swimming at St George Island. M42IW

FLORIDA, Southern

FLZ069-070

Coastal Collier - Inland Collier

01	0000EST			0	0	0.00K	0.00K	Drought
30	2359EST							

Long term rainfall deficits along with recent lack of rain led to the continuation of drought conditions to much of Collier County.

Palm Beach County 8 W Boca Raton Public Ar

03	1530EST 1535EST			0	0	0.00K	0.00K	Funnel Cloud
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A funnel cloud was sighted near South County Regional Park in West Boca. The funnel was likely in the vicinity of Loxahatchee National Wildlife Refuge.

A funnel cloud was sighted during afternoon thunderstorms just west of Boca Raton.

Miami - Dade County Coral Gables

04	1625EST			0	3	0.00K	0.00K	Lightning
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Three roofers working atop a home in Coral Gables were struck by lightning. The three men were knocked unconscious by the lightning bolt, but regained consciousness by the time they were transported to the hospital.

Strong thunderstorms moving south across Miami-Dade County produced a lightning strike which injured 3 people in Coral Gables.

FLZ063-066-067

Glades - Hendry - Inland Palm Beach

11	0700EST			0	0	0.00K	0.00K	Drought
30	2359EST							

Below normal rain during the first half of September, along with long term rainfall deficits, resulted in the reinstatement of severe drought conditions for most of interior South Florida, including the Lake Okeechobee region.

Collier County (APF)Naples Muni Arp

17	1658EST			0	0	20.00K	0.00K	Thunderstorm Wind (54MG)
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Storm Data and Unusual Weather Phenomena

September 2007

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

Peak wind gust of 62 mph reported by Naples ASOS (KAPF). An observer at Naples Airport reported that 3 small planes were flipped over and a hangar door was blown off.
A severe thunderstorm initiated along the sea breeze front moved west across the Naples Airport, producing damage to aircraft.

Broward County **2 NW Collier City**

20	1155EST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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Power lines reported down at Commercial Boulevard and NW 70th Avenue in Tamarac.

A low pressure area about 80 miles west of the Southwest Florida coast provided for moisture and instability to spread across South Florida and resulted in thunderstorm development across the area.

Hendry County **25 S Harlem**

21	1130EST			1	0	0.00K	0.00K	Lightning
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A 49-year-old man was struck and killed by lightning while working on a vegetable farm in rural southern Hendry County. M49OU

A low pressure area south of the Florida Panhandle provided for a deep southerly flow of moist and unstable air, leading to numerous showers and thunderstorms over South Florida. M49OU

Broward County **2 W Lauderdale Lakes**

21	1500EST			0	0	200.00K	0.00K	Lightning
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A maintenance building in Lauderhill was destroyed by a fire believed to have been caused by lightning. The 2,000 square foot building was a total loss.

Witnesses reported seeing lightning and looked outside to see the building on fire.

An upper level low over the northeastern Gulf of Mexico along with moist southerly flow over South Florida produced afternoon thunderstorms across the region.

Collier County **3 W Jerome**

22	1900EST 1905EST	0.5	20	0	0	0.00K	0.00K	Tornado (EF0)
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Numerous reports received by Collier County EOC by motorists along Alligator Alley of a brief tornado touchdown near the intersection of Alligator Alley (I-75) and State Road 29. No damage reported.

Thunderstorms developing along sea breeze boundaries over interior South Florida produced a brief tornado in the Big Cypress Preserve.

FLZ168

Palm Beach

30	0200EST 2359EST			0	0	0.00K	0.00K	High Surf
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The combination of a strong pressure gradient between a weak low pressure area over the western Bahamas and strong high pressure over the Northeast United States, along with deep moisture and instability east of an upper level low west of Naples, led to the formation of fast moving showers and thunderstorms which produced locally strong winds across Southeast Florida and the adjacent waters. Severe thunderstorms were observed over Southeast Miami-Dade County, and strong non-thunderstorm winds caused beach erosion in Palm Beach County.

This episode continued into the first few days of October 2007.

FLORIDA, West Central

Polk County **6 SSE Frostproof**

02	1638EST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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A trained Skywarn Spotter reported a thunderstorm wind gust of 60 MPH.

A moist southwest flow brought showers and thunderstorms inland from the Gulf of Mexico during the late morning and the storms became more numerous in the afternoon due to diurnal heating.

Lee County **2 NE Ft Myers**

10	1555EST			1	0			Lightning
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A 53-year-old man was struck by lightning while standing on a pier on the Caloosahatchee River near Freemont Street. He was taken to the hospital and died the next day. M53OU

Scattered thunderstorms developed along the west coast sea breeze front late in the afternoon. M53OU

Lee County **3 SE (FMY)Ft Myers Page F**

11	2137EST			0	0	350.00K	0.00K	Lightning
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Seven apartments were damaged by a fire started by a lightning strike on the 3700 block of Winkler Avenue. Firefighters arrived on the scene three minutes after the first call and helped evacuate residents from the building. No injuries were reported.

Storm Data and Unusual Weather Phenomena

September 2007

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

Scattered showers and thunderstorms developed along the west coast sea breeze front.

Hillsborough County 4 SW Brandon

12 1755EST 0 0 Hail (0.75)

Penny size hail was reported in the Providence Lakes subdivision.

Hillsborough County 3 S Brandon

12 1757EST 0 0 Hail (1.25)

Pea and a few half dollar size hail was reported along Bloomingdale Avenue east of Highway 301.

A moist and unstable atmosphere combined with outflow boundaries and a weak upper level disturbance to produce scattered thunderstorms in west central Florida.

Lee County Ft Myers Beach

16 1725EST 0.1 30 0 0 110.00K Tornado (EF0)
1727EST

A waterspout moved onshore near Estero Boulevard and Canal Street as a tornado and damaged the roof of a resort hotel and a nearby Tiki bar.

Lee County 4 S Cape Coral

16 1733EST 4.4 50 0 1 4.00M Tornado (EF1)
1758EST

Thunderstorms continued to develop northward along the sea breeze front and produced a tornado that traveled due north from near the intersection of Rose Garden and and El Dorado Parkway West to near Skyline Boulevard and Veterans memorial Parkway. The damage path was less than the size of a single family home for most of the track and the average wind speed based on the damage was 65-75 MPH. The EF1 damage was of a home nearly cut in half by the tornado with wind speeds estimated at 105 MPH. The lower than expected wind estimate was a result of older building codes and the roof blowout occurred as a result of a large picture window being blown in. About 138 homes were damaged. Six homes received moderate damage and one home was destroyed. The tornado snapped several power poles and damaged numerous fences, sheds and trees. Several vehicles and boats were flipped over. There was one injury as a gentleman looked outside to see the tornado and was struck by debris. Thirty people were displaced from their homes. Damage estimates were based on a survey completed by Cape Coral Emergency Management.



Tornado photo taken by Rob Stegmann / Gecko Photo at 6:32 PM at Bowditch Point. Damage photo taken by Jeffrey Stakenburg from Lee County Emergency Management.

Lee County 3 SW Cape Coral

16 1745EST 0 0 2.00K Thunderstorm Wind (55EG)

Down burst winds wrapping around a tornado three blocks to the east caused minor damage to several homes in the area around the intersection of Beach Parkway West and Agualinda Boulevard.

A waterspout and at least two tornadoes formed along the west Florida coast sea breeze front in the Fort Myers area.

Pasco County 2 SE Odessa

20 1658EST 0 0 Thunderstorm Wind (54EG)

Storm Data and Unusual Weather Phenomena

September 2007

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

Hernando County 1 N Nobleton	The gust was measured at a home weather station.								
	20	1802EST			0	0			Thunderstorm Wind (50EG)

The wind gust downed two trees and killed a farm animal. The home weather station recorded 52 MPH winds before being knocked down.

Sumter County Webster	20	1810EST			0	0			Thunderstorm Wind (52EG)
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The gust was measured by a weather station of a trained spotter.

An area of low pressure formed in the eastern Gulf of Mexico in association with an upper level low. Shower and thunderstorm activity with this non-tropical system was limited but the bands of precipitation generally rotated north throughout the day in the Tampa Bay area and the motion curved to the northwest in the Cedar Key and The Villages area.

FLORIDA, West Panhandle

Santa Rosa County Pace	14	1000CST			0	0	100.00K	0.00K	Lightning
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Lightning struck a home near Pace. The strike started a fire and the home was destroyed.

Escambia County 2 E Paradise Beach	23	1535CST 1539CST			0	0	0.00K	0.00K	Funnel Cloud
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A funnel cloud was observed by Law Enforcement for several minutes near Lillian Highway. The funnel dissipated and never touched the ground.

GEORGIA, East Central

Columbia County Appling	22	1732EST			0	0	5.00K	3.00K	Thunderstorm Wind (60EG)
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Saturday night on Ray Owens Rd., Appling, a microburst uprooted an old oak tree, the tops of trees were clipped off, limbs everywhere. Tin roof off a trailer, tin off a shed found across a field, and debris everywhere.

An isolated thunderstorm produced a small microburst in Columbia County near Appling causing some damage.

GEORGIA, Lower

Appling County Graham Baxley	01	0800EST 1200EST			0	0			Heavy Rain
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Periods of heavy rainfall caused temporary flooding across the county. Around 9 am local time, flooding was reported along Highway 341 West between Hazlehurst and Graham. Water covered all four lanes of the road. Around 1 pm local time, at least 10 streets in Baxley had standing water due to heavy rains.

Camden County 2 SSE St Marys	01	1420EST			0	0			Thunderstorm Wind (50EG)
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Trees fell down onto power lines. Time estimated by Doppler radar.

A surface trough extended across the forecast area in a highly unstable and moisture laden environment. Sea breezes as well as upper level divergence enhanced updrafts and severe storms developed across the forecast area.

Ware County 1 ENE Waresboro	21	0345EST 0400EST	0.63	100	0	0			Tornado (EF0)
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Approximately 1500 ft damage path extending from the south-southeast to the north-northwest and ending near Lovett Road and Landrum Lane. Twelve structures had slight to moderate damage to roofs and skirting. Most structures were mobile homes and outbuildings. A few trees and power lines were also blown down.

Low pressure moved west-northwest across the Florida peninsula and into the eastern Gulf of Mexico. On Wednesday night 9/20-21/2007 a rainband developed over central Florida and moved rapidly northward into north Florida and southeast Georgia.

Clinch County 1 N Homerville	22	1725EST 1810EST			0	0			Heavy Rain
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A spotter measured 2.5 inches of rain in 45 minutes.

Storm Data and Unusual Weather Phenomena

September 2007

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

Clinch County

2 WNW Travisville

22 1745EST 0 0 Funnel Cloud

A possible funnel cloud was reported by a spotter near Highway 84. Radar did show some rotation with this storm.

A tropical airmass as well as upper level forcing around a retrograding upper level low over the Gulf of Mexico spawned scattered, slow moving showers and storms across the forecast area. During the evening, outflows and the sea breezes spawned strong storms across interior southeast Georgia.

GEORGIA, North and Central

Gwinnett County

6 ESE Snellville

11 1630EST 0 0 50.00K 0.00K Lightning

The Gwinnett Daily Post reported that lightning struck the attic of a home on Tribble Gates Court within the Gwinnett county portion of Loganville. Damage was minor to moderate.

A fall cold front was moving through the area from the northwest aided by a vigorous upper-level trough moving through the Ohio Valley into the mid-Atlantic region. Scattered thunderstorms developed along the cold front during the day and spread southeastward during the afternoon and early evening.

Fulton County

1 S Fairburn

13 1350EST 0 0 1.00K 0.00K Lightning

The Georgia Department of Transportation reported that lightning struck a transformer on a power pole adjacent to interstate-85 near Fairburn. This resulted in the attached power line falling down on the interstate. All lanes of the interstate had to be closed while the line was repaired.

A weak cold front was located across central Georgia. Meanwhile...rich tropical moisture was flowing into the region from the Gulf as Hurricane Humberto moved near the upper Texas coast. This resulted in the development of numerous showers and thunderstorms across central and north Georgia during the afternoon. While none of these reached severe limits, they did produce frequent cloud-to-ground lightning and locally heavy rain.

GAZ001>004-006>
009-011>016-019>
023-030>034-041>
046-052>057-066>
071-078

Dade - Walker - Catoosa - Whitfield - Fannin - Gilmer - Union - Towns - Chattooga - Gordon - Pickens - Dawson - Lumpkin - White - Floyd - Bartow - Cherokee - Forsyth - Hall - Polk - Paulding - Cobb - North Fulton - Gwinnett - Haralson - Carroll - Douglas - South Fulton - De Kalb - Rockdale - Heard - Coweta - Fayette - Clayton - Spalding - Henry - Troup - Meriwether - Pike - Upson - Lamar - Monroe - Harris

14 0000EST
2000EST 0 0 0.00K 0.00K Hurricane

Hurricane Humberto was the only hurricane to strike the U.S. coastline during the 2007 hurricane season. The hurricane, which rapidly strengthened from a tropical storm off the upper Texas coast late on the 12th, moved inland near the Texas-Louisiana border early on the 13th. The remnants of Hurricane Humberto then tracked across central Louisiana, central Mississippi, and into northern Alabama on the 14th. The center of the remnant of the track moved across extreme northwest Georgia, Dade and Walker county, on the 14th. With north Georgia being located within the favorable right quadrant of the track, much needed rainfall fell across north central and northwest parts of the state, mainly northwest of a Rome to Gainesville line. Rainfall amounts of two to three inches were common within this area, with isolated five to six inch rainfall amounts in parts of Whitfield and Murray counties. Further south, rainfall amounts were generally one inch or less. However, afternoon heating combined with the final feeder band associated with Humberto to bring a line of heavy showers and thunderstorms to north Georgia during the afternoon. A few trees were blown down and there were a couple of reports of hail. However, no significant damage was reported within Georgia as a result of the remnants of Humberto.

Murray County

Sumac

Gregory

14 0454EST
0930EST 0 0 0.50K 0.00K Heavy Rain

The Murray County 911 Center reported that heavy rain had caused portions of Georgia Highway 225 near Northwest Elementary School Road to become flooded and closed.

Whitfield County

2 N Dalton

14 0454EST
0930EST 0 0 0.50K 0.00K Heavy Rain

The Whitfield County 911 Center reported that heavy rain, on the order of three to four inches across the area in a four hour period, had resulted in road closures in the north part of Dalton, specifically Willowdale Road at U.S. Highway 41, and also a little further north along Georgia Highway 71, Cleveland Highway, near Wailing Road.

Whitfield County

Carbondale

Norton

14 1318EST
1340EST 0 0 3.00K 0.00K Thunderstorm Wind (50EG)

The Dalton Citizen reported that trees were down at several locations within the county, including in Dalton at Houston Valley Road and Trickum Road. Isolated power outages caused by trees down on power lines resulted in a handful of residents losing power.

Murray County

6 SW Holley

Cisco

14 1330EST
1350EST 0 0 3.00K 0.00K Thunderstorm Wind (50EG)

Storm Data and Unusual Weather Phenomena

September 2007

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

The Daily Citizen of Dalton reported that many trees were down across both the northern and southern portions of the county.

Murray County Chatsworth

14 1400EST 0 0 5.00K 0.00K Lightning

The Murray County Emergency Management Director reported that lightning struck the fire station. Several radios and computers were damaged.

Carroll County 1 S Villa Rica

14 1408EST 0 0 0.00K 0.00K Hail (0.75)
1409EST

A storm spotter observed penny-sized hail while traveling along Interstate-20 south of Villa Rica near the Douglas county line.

Douglas County 3 E Douglasville Lithia Spgs

14 1449EST 0 0 0.00K 0.00K Hail (0.75)
1450EST

A storm spotter observed penny-sized hail while traveling along Interstate-20 east of Douglasville near Lee Road. A wind gust of 51 mph was also measured by an on board mounted anemometer.

Henry County Stockbridge

14 1608EST 0 0 0.00K 0.00K Hail (0.75)
1610EST

The public reported penny-sized hail in the Stockbridge area.

Henry County Stockbridge Whitehouse

14 1608EST 0 0 2.00K 0.00K Thunderstorm Wind (50EG)
1612EST

The public reported that at least seven large trees, some as large as two to three feet in diameter, were down in the Stockbridge area. One tree was down across Pinehurst Drive. Several street signs were also blown down in the area.

A stationary front was draped across North Georgia. The remnants of Hurricane Humberto tracked from southern Louisiana during the morning, across central Mississippi during the day, and into northern Alabama and northwest Georgia by evening. Meanwhile, a strong fall cold front was moving rapidly southeast from the central plains. The right quadrant of the remnants of Hurricane Humberto tracked across northwest Georgia bringing heavy rain to that portion of the state. Rainfall amounts of four to six inches occurred across the far northwest portion of Georgia, especially in Murray, Whitfield, and northwestern Fannin counties, but average amounts in this area were more in the two to three inch range. Some roads were flooded as a result. In addition, during the afternoon heating, a few thunderstorms became severe across north Georgia producing marginally severe hail and wind damage.

Sumter County Leslie

21 1433EST 0 0 10.00K 0.00K Thunderstorm Wind (50EG)
1435EST

The Sumter County Emergency Management Director reported that thunderstorm wind gusts blew down several trees and power lines. In addition, the roof was blown off a porch of one home in the area.

A tropical low pressure area was moving west across the northern Gulf of Mexico. At 7 am EST on the 21st, the tropical low was located just off the Florida coast near Pensacola. Bands of showers and thunderstorms were rotating counterclockwise around the low into south and as far north as the southern portions of central Georgia. Some weak rotation was noted in the stronger thunderstorms. One of these thunderstorms moved north into Sumter county causing wind damage in the southeast part of the county.

Meriwether County 2 NW Woodbury

27 1415EST 0 0 0.00K 0.00K Hail (0.75)
1416EST

The public observed penny-sized hail.

Scattered thunderstorms developed along a fall cold front moving into the area from the northwest. An upper-level trough was also moving through the area from the northwest. These systems supported the development of scattered afternoon thunderstorms across much of north and central Georgia. A few became strong and at least one became severe.

GEORGIA, Northeast

GAZ010-017-026-028

Rabun - Habersham - Stephens - Franklin - Hart - Elbert

01 0000EST 0 0 0.00K 0.00K Drought
30 2359EST

Storm Data and Unusual Weather Phenomena

September 2007

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

Extreme drought conditions persisted across northeast Georgia through September, as the region experienced another month of well-below normal precipitation. By the end of the month, most locations were running a yearly rainfall deficit of 11-17 inches. Stream flows and groundwater levels were near record low levels, with many streams running at 5 percent or less of normal flow. Water levels on area reservoirs were some of the lowest in recorded history. Agricultural interests continued to be especially hard hit. Farmers continued to struggle to feed livestock due to a lack of hay and poor pasture conditions, forcing many cattle to be sold or slaughtered. Agricultural and other losses attributed to the drought are estimated to be in the hundreds of millions of dollars. County-based losses for the growing season will be included in next month's Storm Data.

GEORGIA, Southeast

Chatham County Wilmington Is

01	0825EST 0925EST			0	0	0.00K	0.00K	Flash Flood
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High water was reported on a property located on Omeler Loop.

Chatham County (SAV)Savannah Intl A

01	1145EST 1245EST			0	0	0.00K	0.00K	Flash Flood
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The public reported 1.5 ft of standing water at an underpass. Additionally, a major road in town was closed due to high water, and it was reported to be impassable by vehicles.

Chatham County Savannah

01	1748EST 1848EST			0	0	0.00K	0.00K	Flash Flood
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The Chatham County 911 dispatch center reported approximately 15 streets or intersections blocked due to standing water. Law enforcement was blockading many of these areas as quickly as possible.

Bryan County 1 N Richmond Hill

01	2348EST 0048EST			0	0	0.00K	0.00K	Flash Flood
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The Bryan County Warning Point reported that 10 roads were closed across the county due to flooding associated with heavy rainfall.

Bryan County 1 N Richmond Hill

02	0342EST 0442EST			0	0	0.00K	0.00K	Flash Flood
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The Bryan County Warning Point reported that several roads were still closed and under water due to heavy rainfall across the county.

Bryan County 1 N Richmond Hill

02	0650EST 0750EST			0	0	6.00K	0.00K	Flash Flood
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The Bryan County Warning Point reported numerous road closures across the county...especially in and around Richmond Hill. Several cars have been stalled and stranded due to the flash flooding.

Bryan County 1 N Richmond Hill

02	0845EST 0945EST			0	0	0.00K	0.00K	Flash Flood
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It was reported that Miner Drive was closed and blocked off in the Mulberry subdivision. Numerous streets were also reported to be closed on Main Street.

Bryan County 1 N Richmond Hill

02	0850EST 0950EST			0	0	10.00K	0.00K	Flash Flood
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It was reported that water was starting to rise into housing units in the Belfast Siding area of Richmond Hill.

Bryan County 1 N Richmond Hill

02	1039EST 1139EST			0	0	10.00K	0.00K	Flash Flood
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Law enforcement officials reported that numerous roads were closed due to high water in the Richmond Hill area of Bryan County. In addition, water was also reported to be entering several homes in subdivisions around the Richmond Hill area.

The presence of an area of surface low pressure southwest of the area, an approaching frontal boundary from the northwest, and abundant weak upper level disturbances in a deep tropically moist environment, resulted in heavy rainfall and flash flooding across the area.

Chatham County 1 E Central Jct

13	1410EST 1525EST			0	0	0.00K	0.00K	Flash Flood
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Storm Data and Unusual Weather Phenomena

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm	September 2007
<u>GEORGIA, Southeast</u>										
									High water was reported on Delano Street, Winburn Street, Hastings Street, Cornwall Street, and at the intersection of Gwynnett and Stiles Streets.	
Bryan County 14 NE Kilkenny	13	1455EST 1525EST			0	0	0.00K	0.00K	Flash Flood	
									The intersections of Gwynnett and Stiles Streets, as well as Gwynnett and Atkinson Streets, were reported closed due to high water.	
Bulloch County Statesboro	13	1455EST			0	0	2.00K	0.00K	Thunderstorm Wind (50EG)	
									Three trees and numerous tree limbs were reported down due to high winds. The damage occurred on Georgia Avenue and Chelsea Circle.	
									A nearly stationary frontal boundary extended through southern South Carolina and Southeast Georgia, and when combined with numerous boundaries and rich tropical airmass, resulted in a couple Flash Flood and Severe Weather events across southeast Georgia.	
Bryan County 1 W Ellabell	14	1835EST			0	0	3.00K	0.00K	Thunderstorm Wind (50EG)	
									Several trees and power lines were reported down.	
Liberty County 1 NE Flemington	14	1840EST			0	0	0.50K	0.00K	Thunderstorm Wind (50EG)	
									One power line was reported down around Flemington in Liberty County.	
Liberty County 2 SE Fleming	14	1920EST			0	0	1.00K	0.00K	Thunderstorm Wind (50EG)	
									One tree was reported down on power lines along US 17 around Midway, Georgia in Liberty County.	
									Scattered thunderstorms rapidly intensified along a surface low pressure trough across southern South Carolina and Southeast Georgia.	
Liberty County 1 N Riceboro	21	0635EST			0	0	0.00K	0.00K	Hail (1.00)	
									Quarter size hail was reported in Riceboro. A wall cloud was also reported.	
Liberty County 1 E Retreat	21	0635EST			0	0	0.50K	0.00K	Thunderstorm Wind (50EG)	
									One tree was reported down on Highway 17.	
Liberty County 9 ESE Seabrook	21	0800EST			0	0	0.50K	0.00K	Thunderstorm Wind (50EG)	
									Eight to 10 inch diameter tree limbs were reported down in the Walburg Creek area of Saint Catherines Island.	
Chatham County 1 E Central Jct	21	1025EST 1145EST			0	0	0.00K	0.00K	Flash Flood	
									Numerous streets were reported impassable in Savannah. A few streets that were reported to be impassable included, Paulsen Street and 63rd Street, Paulsen Street and 61st Street, East Victory and Live Oak, Victory and Abercorn around Ardley Park, the 500 block of Pennsylvania Avenue, Derenne Avenue, Bull Street, 62nd Street and Spring Hill, and Pine Street.	
Chatham County 1 E Central Jct	21	1045EST 1145EST			0	0	0.00K	0.00K	Flash Flood	
									The parking area at the Memorial Medical Center was reported to be under 1 foot of water.	
Chatham County 1 E Central Jct	21	1105EST 1145EST			0	0	0.00K	0.00K	Flash Flood	
									Numerous streets were reported flooded in Savannah. A few of the streets that were reported to be flooded include, Abercorn and Derenne, East 67th Street from Abercorn to Derenne, 54th Street and Reynolds, 56th Street and reynolds, 56th Street and Battey, and 56th Street and Habersham.	

Storm Data and Unusual Weather Phenomena

September 2007

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

A trough of low pressure in a moisture rich environment, resulted in numerous showers and thunderstorms across southeast Georgia.

GAZ117

Coastal Bryan

30	0000EST 2359EST			0	0	0.00K	0.00K	High Surf
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GAZ119-139-141

Coastal Chatham - Coastal Liberty - Coastal McIntosh

30	0742EST 1142EST			0	0	0.00K	0.00K	Coastal Flood
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Strengthening High pressure over New England and low pressure off the Southeast U.S. coastline, resulted in a tight pressure gradient across southern South Carolina and Southeast Georgia. Strong Northeast winds and High Astronomical Tides combined to produce significant Beach Erosion across the region.

HAWAII

HIZ021

Leeward Haleakala

01	0000HST			0	0	0.00K	0.00K	Drought
30	2359HST							

Dry weather conditions continued to plague Upcountry Maui, where a mandatory 10 percent reduction in water consumption by all non-agricultural customers remained in effect. No crop damage estimates were available.

This portion of Maui County was put into the D2 classification in the Drought Monitor as of June 12th, 2007.

HIZ009

Olomana

06	0600HST			0	0	0.00K	0.00K	Drought
30	2359HST							

Persistent dry weather conditions led county officials to implement a 30 percent reduction in water consumption for users of the Waimanalo Irrigation System on the island of Oahu. No crop damage estimates were available, however.

This part of Honolulu County was put into the D2 classification in the Drought Monitor as of September 6th, 2007.

HIZ001>003-005-013>014-016-018>019-021-023

Niihau - Kauai Windward - Kauai Leeward - Oahu South Shore - Molokai Leeward - Lanai Makai - Kahoolawe - Maui Leeward West - Maui Central Valley - Leeward Haleakala - Kona - South Big Island

13	1100HST			0	0	0.00K	0.00K	High Surf
15	0200HST							

A strong low southeast of New Zealand generated surf of 6 to 10 feet along the south shores of all the Hawaiian Islands. There were no reports of serious injuries or property damage.

Honolulu County

Punaluu

Kahaluu

15	1101HST 1300HST			0	0	0.00K	0.00K	Heavy Rain
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Heavy showers over windward sections of Oahu caused ponding on roadways, and small stream and drainage ditch flooding. There were no reports of serious property damage or injuries.

HIZ002-008-012-017-020-024

Kauai Windward - Oahu Koolau - Olomana - Molokai Windward - Maui Windward West - Windward Haleakala - South Big Island - Big Island North and East

18	0900HST			0	0	0.00K	0.00K	High Surf
22	0600HST							

A trade wind swell produced surf of 5 to 8 feet along the east-facing shores of Kauai, Oahu, Molokai, Maui, and the Big Island of Hawaii. No significant injuries or property damage were reported.

HIZ021

Leeward Haleakala

01	0000HST			0	0	0.00K	0.00K	Drought
30	2359HST							

Dry weather conditions continued to plague Upcountry Maui, where a mandatory 10 percent reduction in water consumption by all non-agricultural customers remained in effect. No crop damage estimates were available.

This portion of Maui County was put into the D2 classification in the Drought Monitor as of June 12th, 2007.

HIZ009

Olomana

06	0600HST			0	0	0.00K	0.00K	Drought
30	2359HST							

Storm Data and Unusual Weather Phenomena

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm	September 2007
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HAWAII

Persistent dry weather conditions led county officials to implement a 30 percent reduction in water consumption for users of the Waimanalo Irrigation System on the island of Oahu. No crop damage estimates were available, however.

This part of Honolulu County was put into the D2 classification in the Drought Monitor as of September 6th, 2007.

HIZ001>003-005-013>014-016-018>019-021-023

Niihau - Kauai Windward - Kauai Leeward - Oahu South Shore - Molokai Leeward - Lanai Makai - Kahoolawe - Maui Leeward West - Maui Central Valley - Leeward Haleakala - Kona - South Big Island

13	1100HST	0	0	0.00K	0.00K	High Surf
15	0200HST					

A strong low southeast of New Zealand generated surf of 6 to 10 feet along the south shores of all the Hawaiian Islands. There were no reports of serious injuries or property damage.

Honolulu County
Punaluu
Kahaluu

15	1101HST	0	0	0.00K	0.00K	Heavy Rain
	1300HST					

Heavy showers over windward sections of Oahu caused ponding on roadways, and small stream and drainage ditch flooding. There were no reports of serious property damage or injuries.

HIZ002-008-012-017-020-024

Kauai Windward - Oahu Koolau - Olomana - Molokai Windward - Maui Windward West - Windward Haleakala - South Big Island - Big Island North and East

18	0900HST	0	0	0.00K	0.00K	High Surf
22	0600HST					

A trade wind swell produced surf of 5 to 8 feet along the east-facing shores of Kauai, Oahu, Molokai, Maui, and the Big Island of Hawaii. No significant injuries or property damage were reported.

IDAHO, Southeast

IDZ031

Big and Little Wood River Region

01	0000MST	0	0	0.00K	0.00K	Wildfire
05	1300MST					

A significant timber, brush and grass fire began on August 16th 8 miles to the west of the city of Ketchum due to a lightning strike. The fire exhibited extreme behavior and in a week had grown to over 40,000 acres. Evacuations were ordered in the vicinity of the fire in Blaine County beginning on August 19th and continued through the end of August. Over 7,000 residences, 150 outbuildings and 340 commercial structures were considered threatened by the fire. No structures were destroyed. By September 5th the wildfire had consumed 48,520 acres and was considered 100 percent contained.

IDZ032

Lost River/Pahsimeroi

01	0000MST	0	0	0.00K	0.00K	Wildfire
30	1000MST					

This fire was started by lightning on August 1st 18 miles northwest of Challis and consumed nearly 150,000 acres. Eventually this complex contained 3 separate fires in Custer and Lemhi Counties and was considered 100 percent contained by the end of September. It destroyed 4 outbuildings in August with no further damage in September.

Cassia County
Burley

04	1509MST	0	0	2.00K	0.00K	Thunderstorm Wind (60EG)
	1515MST					

Thunderstorm winds damaged the roof of an industrial building at the corner of Albion Avenue and 13th Street in Burley.

Thunderstorm winds damaged the roof of an industrial building.

Bear Lake County
Montpelier

04	1710MST	0	0	1.00K	0.00K	Thunderstorm Wind (60EG)
	1715MST					

Trees reported down in Montpelier on Eastshore Road and Highway 89 with carport roof blown off as well in the town.

Bear Lake County
Georgetown

04	1720MST	0	0	0.00K	0.00K	Thunderstorm Wind (59MG)
	1730MST					

Spotter reported a measured wind gust of 68 mph from a thunderstorm in Georgetown.

Damaging winds in Georgetown and Montpelier.

Bannock County
Pocatello

05	0835MST	0	0	0.00K	0.00K	Flash Flood
	0850MST					

Flooding on South 5th Street in Pocatello near the county jail.

Storm Data and Unusual Weather Phenomena

September 2007

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

Blaine County 2 W Ketchum	Flooding on South 5th Street in Pocatello near the county jail.								
	05	1000MST 1020MST			0	0	0.00K	0.00K	Flash Flood
Bannock County Inkom	Mud slides reported on Warm Springs road 2 miles west of Ketchum.								
	Heavy rain caused mud slides on Warm Springs Road near Ketchum.								
Bannock County 3 ENE Pocatello	05	1000MST 1140MST			0	0	0.00K	0.00K	Heavy Rain
	Spotters reported over 1 inch of rain between 11 am MDT and 12:40 pm MDT in Inkom.								
Bannock County 2 ESE Pocatello	05	1035MST 1100MST			0	0	0.00K	0.00K	Flash Flood
	KOA campground in Pocatello washed out by heavy rains of 1.5 inches in 24 hours.								
Bannock County 2 ESE Pocatello	05	1102MST 1120MST			0	0	0.00K	0.00K	Heavy Rain
	1 inch of rain reported in Pocatello between 11 am MDT to noon MDT.								
Caribou County 9 N Soda Spgs	Flooding on South 5th Street in Pocatello near the county jail.								
	05	1154MST 1204MST	7.52	50	0	0	0.00K	0.00K	Tornado (EF0)
Bear Lake County St Charles	A tornado touched down just north of Soda Springs over the Monsanto Plant. The tornado was on the ground for about 7 miles and 10 minutes. Numerous 12 to 14 inch diameter trees were snapped off but no buildings were damaged.								
	A tornado touched down just north of Soda Springs over the Monsanto Plant. The tornado was on the ground for about 7 miles and 10 minutes. Numerous 12 to 14 inch diameter trees were snapped off but no buildings were damaged.								
Bear Lake County St Charles	05	1201MST 1210MST			0	0	0.00K	0.00K	Hail (0.75)
	Nickel sized hail at St Charles. Nickel sized hail reported at St Charles.								

IDAHO, Southwest

Canyon County 1 NE Caldwell Hubler Arpt	04	1655MST 1700MST			0	0	0.00K	0.00K	Hail (0.75)
Ada County 1 SW Boise	04	1700MST 1730MST			0	0		0.00K	Thunderstorm Wind (52EG)
	Gusty winds and rain ripped through the Treasure Valley, causing power outages and knocking down huge trees. KBCI TV reported numerous trees and power lines down across the Boise metro area.								
Boise County 4 SSW Banks	04	1735MST 1740MST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
	A National Weather Service incident meteorologist reported a pilot observed estimated 60 mph thunderstorm wind gust near the Chief Parrish Wildland Fire. The airmass over the Intermountain Region rapidly destabilized as a cold front originating from the Pacific Northwest set off a round of severe convection over parts of Southwest Idaho.								
Valley County 15 SSE Warm Lake	23	0200MST 0300MST			0	0	0.00K	0.00K	Flash Flood
	Heavy Rain Accumulations Estimated Near 1.5 inches with 0.38 Inches Occuring Between 2 AM and 3 AM on Portions of the Cascade Complex Burn Area Caused a Debris Flow with Water, Mud, and Rocks Flowing on to Forest Service Road 579 about 4 Miles North of Deadwood Lodge. A warm moist flow ahead of a slow moving cold front fed a broad precipitation field including embedded convection over Idaho. 24 hour rainfall amounts were generally an inch to an inch and one half with locally heavier amounts of 2 inches. Some locations received over an inch of rain during a 9 hour period and over a third of an inch in one hour. Mountain locations above 8000 feet received 4 to 8 inches of snow.								

Storm Data and Unusual Weather Phenomena

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm	September 2007
ILLINOIS, Central										
ILZ068-072-073	Crawford - Richland - Lawrence									
	01	0000CST			0	0	0.00K	0.00K	Drought	
	30	2359CST								
	Severe drought conditions developed across much of southeast Illinois during September 2007. While precipitation levels were below normal for much of the year, the combination of extended precipitation deficits and unseasonably hot conditions in August and much of September started to impact crop health. The severe drought conditions extended into October 2007.									
Sangamon County 1 W Williamsville	06	1728CST	0.1	10	0	0	0.00K	0.00K	Tornado (EF0)	
	A tornado briefly touched down in a field. No damage or injuries were reported.									
	Isolated thunderstorms developed during the afternoon hours. One thunderstorm produced a brief tornado near Williamsville. No damage or injuries were reported.									
ILZ067-071	Jasper - Clay									
	13	0000CST			0	0	0.00K	0.00K	Drought	
	30	2359CST								
	Severe drought conditions developed across much of southeast Illinois during September 2007. While precipitation levels were below normal for much of the year, the combination of extended precipitation deficits and unseasonably hot conditions in August and much of September started to impact crop health. The severe drought conditions extended into October 2007.									
Mason County Buzzville	25	1345CST			0	0	8.00K	0.00K	Thunderstorm Wind (56EG)	
	A few large trees and numerous tree limbs were blown down.									
	An isolated thunderstorm produced wind damage near Buzzville.									
Cass County Virginia	30	2040CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)	
	Several tree limbs up to 4 inches in diameter were blown down.									
	Scattered thunderstorms developed during the evening hours of the 30th. One of these storms produced minor wind damage in Virginia.									
ILLINOIS, Northeast										
Will County Lockport	05	1539CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)	
	Five to six inch diameter tree limbs blown down on 159th street. Half of a Willow tree also blown down.									
	A severe thunderstorm moved across northeast Illinois during the afternoon of September 5th.									
Cook County Berwyn	07	0245CST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG)	
	Several trees down throughout the city.									
Cook County Stickney	07	0246CST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG)	
	Numerous trees blown down throughout the town with some large trees blown down.									
	A strong thunderstorm developed over northeast Illinois during the early morning hours of September 7th.									
Ogle County Chana	25	1245CST			0	0	0.00K	0.00K	Thunderstorm Wind (55EG)	
	A tree was blown down.									
Winnebago County Rockford	25	1300CST			0	0	5.00K	0.00K	Thunderstorm Wind (65EG)	
	A large tree was blown down at Brooke and Saner Roads. Several two foot diameter trees blown down on Clarine Lane. Three utility poles blown down.									
Winnebago County Rockford	25	1305CST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG)	

Storm Data and Unusual Weather Phenomena

										September 2007
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage Property	Crops	Character of Storm	
ILLINOIS, Northeast										
										An 18 inch diameter tree was blown down at 23rd Avenue and 6th Street.
Boone County Belvidere	25	1315CST			0	0	0.00K	0.00K	Thunderstorm Wind (55EG)	
										Two small trees blown down.
Kane County Elgin	25	1315CST			0	0	2.00K	0.00K	Thunderstorm Wind (65EG)	
										A four foot diameter tree was blown down near Worth and Larkin. Power lines also blown down.
Kane County Elgin	25	1315CST			0	0	25.00K	0.00K	Thunderstorm Wind (65EG)	
										Extensive tree damage with some roads closed on the west side of Elgin. One foot diameter tree limbs blown down. Part of a roof blown off a business on Fleetwood.
Mchenry County Marengo	25	1320CST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG)	
										A tree was blown down.
Cook County Arlington Hgts	25	1345CST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG)	
										Several trees were blown down.
Lake County Wauconda	25	1355CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)	
										Tree branches blown down.
Lake County Wadsworth	25	1410CST			0	0	0.00K	0.00K	Thunderstorm Wind (55EG)	
										A tree was blown down.
Will County Beecher	25	1455CST			0	0	0.00K	0.00K	Thunderstorm Wind (55EG)	
										Three large trees were blown down, no damage was reported.
										Strong storms moved across northern Illinois during the afternoon hours of September 25th.
ILLINOIS, Northwest										
Rock Island County 1 N Carbon Cliff	30	1940CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)	
										Wind gusts estimated to be 60 mph blew down some tree limbs just east of East Moline, IL. Time estimated.
Carroll County 1 N Mt Carroll	30	2030CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)	
										Winds estimated to be 60 mph blew a tree down on Clay Street just north of Mount Carroll, IL.
Carroll County Mt Carroll	30	2030CST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG)	
										Winds estimated to be 60 mph blew large tree branches down in Mount Carroll, IL. Time estimated.
										A cold front moved through eastern Iowa, northeast Missouri, and northwest Illinois during the evening hours of September 30th producing showers and thunderstorms. Some of the thunderstorms were severe producing damaging winds of 60 to 70 mph and isolated nickel sized hail.

Storm Data and Unusual Weather Phenomena

September 2007

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

Wabash County Mt Carmel

26 0745CST 0945CST 0 0 0.00K 0.00K Heavy Rain

Heavy rainfall produced some minor flooding of secondary streets in Mount Carmel. Several vehicles including a jeep became stranded in high water on city streets. The grounds of a middle school were partially flooded.

An upper level trough and surface cold front approached the region, touching off showers and thunderstorms. Many of these thunderstorms moved slowly or almost not at all. This produced isolated minor flooding problems.

ILLINOIS, Southwest

Jersey County 5 ESE Jerseyville

06 1315CST 1318CST 0.9 50 0 0 Tornado (EF0)

A tornado touched down near the intersection of Woodlawn Park Drive and Lakeview Drive in the Crystal Lake Subdivision. Numerous trees and tree limbs were blown down in the subdivision. Also, one home sustained minor soffit and siding damage. The tornado continued to the northeast, blowing down additional tree limbs and a couple of acres of corn on the south side of Sunderland Road as well as tree limbs on the north side of the road before lifting and dissipating.

Scattered showers and thunderstorms developed over the region ahead of an upper level system.

Calhoun County Batchtown Hardin

25 1746CST 1756CST 0 0 0.00K Thunderstorm Wind (52EG)

A line of severe storms moved through Calhoun county. Several power lines were blown down between Batchtown and Hardin. In Hardin near the intersection of Batchtown Road and Illinois Route 100, four utility poles were sheared off at the ground.

Greene County East Hardin Roodhouse

25 1756CST 1810CST 0 0 0.00K Thunderstorm Wind (52EG)

A line of severe storms moved through Greene county. Several power lines and trees were blown down between East Hardin and Roodhouse.

A cold front was moving through the region with showers and thunderstorms developing just ahead of it. A few of the storms became severe causing minor damage.

Pike County Baylis

30 2005CST 0.1 30 0 0 0.00K Tornado (EF0)

A tornado briefly touched down on a farm on the south side of town. It destroyed a barn before lifting and dissipating. Some of the debris from the barn was found a mile away.

Pike County 2 WSW Perry

30 2015CST 2016CST 2 40 0 2 0.00K Tornado (EF0)

A tornado touched down 1.7 miles west southwest of Perry off of Township Road 3225E. It travelled to the east northeast with intermittent touchdowns occurring until the tornado reached the southern portion of Perry. On the south side of Perry, a vacant mobile home had its roof and northwest corner ripped off. Another mobile home had a tree land on it causing extensive damage and two children in the home sustained minor cuts and bruises. Also, 3 homes sustained window and shingle damage, a barn lost part of its roof, and numerous trees and tree limbs were blown down. Two vehicles sustained damage from fallen tree limbs. The tornado then lifted and dissipated.

A strong cold front moved through the region, triggering strong to severe thunderstorms during the evening hours.

INDIANA, Central

Vigo County Terre Haute

08 1647EST 1747EST 0 0 1.00K 0.00K Flash Flood

Trained weather spotters reported flash flooding from a thunderstorm.

Vigo County Terre Haute

08 1726EST 1756EST 0 0 1.00K 0.00K Flash Flood

A television station in Terre Haute reported there was flooding on some roads in Terre Haute.

Flash flooding occurred in Terre Haute due to heavy rain during the early evening hours of September 8th.

Jennings County Hayden

25 1600EST 0 0 Thunderstorm Wind (50EG)

A tree was reported down due to damaging thunderstorm winds.

Storm Data and Unusual Weather Phenomena

September 2007

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
INDIANA, Central									
Jennings County Brewersville	25	1610EST			0	0			Thunderstorm Wind (50EG)
									Trees were reported down due to damaging thunderstorm winds.
Hendricks County 2 NW Pittsboro	25	1626EST			0	0	5.00K		Thunderstorm Wind (50EG)
									Construction trailers were blown onto I-74 at mile marker 60 due to damaging thunderstorm winds.
Jackson County 5 N Seymour	25	1716EST			0	0			Thunderstorm Wind (50EG)
									Power lines were reported down just north of I-65 and SR 11 due to damaging thunderstorm winds.
Henry County New Castle	25	1758EST			0	0	4.00K		Thunderstorm Wind (50EG)
									A power pole was down, a tree was reported to be on a road, and a large produce tent was blown over in New Castle due to damaging thunderstorm winds. Several trees were reported to be down in other locations around the county as well.
Madison County 3 S Pendleton	25	1802EST			0	0			Thunderstorm Wind (50EG)
									Trees were reported down due to damaging thunderstorm winds.
Madison County 1 S Markleville	25	1803EST			0	0			Thunderstorm Wind (50EG)
									Trees were reported down due to damaging thunderstorm winds.
Delaware County Yorktown	25	1807EST			0	0	1.00K		Thunderstorm Wind (50EG)
									Power lines and trees were reported down due to damaging thunderstorm winds.
Madison County 4 N Markleville	25	1808EST			0	0			Thunderstorm Wind (50EG)
									Trees were reported down due to damaging thunderstorm winds.
Delaware County Muncie	25	1812EST			0	0	1.00K		Thunderstorm Wind (50EG)
									Power lines and trees were reported to be down due to damaging thunderstorm winds.
Delaware County Eaton	25	1821EST			0	0	1.00K		Thunderstorm Wind (50EG)
									Trees and power lines were reported down due to damaging thunderstorm winds.
Randolph County Union City	25	1850EST			0	0			Thunderstorm Wind (50EG)
									Trees were reported down due to damaging thunderstorm winds.
									Severe storms moved through central Indiana on the evening of September 25, 2007. The main damage was due to thunderstorm winds.

Storm Data and Unusual Weather Phenomena

September 2007

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

Cass County

1 SW Walton

08 1539EST 1825EST 0 0 0.00K 0.00K Flash Flood

State route 218 was impassable and closed in southern Cass county due to flowing water on the road. A spotter in the area reported 4 inches of rain falling in one hour just southwest of Walton.

A combination of a moist atmosphere, slow movement of convection and continued development of new convection resulted in heavy rainfall across much of northern Indiana. Radar estimated 2 to 5 inches of rain in many areas; however, localized flooding was reported in several areas and only isolated reports of flash flooding were received.

INDIANA, Northwest

Lake County

Hammond

25 1505CST 0 0 0.00K 0.00K Thunderstorm Wind (52EG)

Estimated gust to 60 mph.

Lake County

Gary

25 1519CST 0 0 0.00K 0.00K Thunderstorm Wind (52EG)

Estimated gust to 60 mph.

Strong storms moved across northwest Indiana during the afternoon of September 25th.

INDIANA, Southwest

Gibson County

Princeton

26 0630CST 0730CST 0 0 0.00K 0.00K Heavy Rain

Street flooding was reported. Estimated rainfall rates were between one and two inches per hour.

An upper level trough and surface cold front approached the region, touching off showers and thunderstorms. Many of these thunderstorms moved slowly or almost not at all. This produced isolated minor flooding problems.

IOWA, Central

Dallas County

1 W Dallas Center

06 2100CST 07 0020CST 0 0 20.00K 10.00K Heavy Rain

Rainfall of 2.55 inches since 2100 CST. Street flooding was reported in town.

Polk County

1 S Des Moines

06 2130CST 2227CST 0 0 25.00K 0.00K Heavy Rain

Reports of cars stalled in water and some places with 2 to 2.5 feet of standing water in roadways. The estimated rainfall was 1.50 to 2.00 inches.

Wapello County

1 W Ottumwa

06 2300CST 07 0338CST 0 0 30.00K 0.00K Heavy Rain

Heavy rainfall was reported overnight from KBIZ radio.

Union County

1 SE Creston

06 2303CST 0 0 5.00K 0.00K Thunderstorm Wind (61MG)

A KCCI TV schoolnet site at Creston high school recorded a 61 knot wind. Small branches were reported down across town.

Dallas County

1 E Dallas Center

06 2310CST 07 0055CST 0 0 5.00K 10.00K Flash Flood

Storm Data and Unusual Weather Phenomena

September 2007

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

Southerly winds drew moisture north into Iowa during the previous 2 to 3 days. In addition, a moisture feed from the remnants of former Hurricane Henriette were drawn north into the state. At the same time, a moderately strong cold front pushed in from the northwest and entered the state during the late evening and overnight hours. In advance of the whole system, an upper level low had lifted northeast across the state during the day. This produced considerable cloudiness. The environment was not all that favorable for severe thunderstorms. CAPE values were in the 2000 to 3000 J/kg range, but shear was quite weak. There was a 30 to 40 kt shear just to the west of the Des Moines CWA, but it weakened rapidly as one headed east. The freezing level was quite high for early September, in the 14,500 to 15,000 foot range. This again limited hail development. Precipitable water values were quite high, in the 1.8 to 2 inch range. Thunderstorms developed over western Iowa initially along a pre-frontal trough. They advanced into the state during the evening with little fanfare. A cluster of storms formed over southwest Iowa and advanced into central Iowa. As the low level jet intensified after sunset, heavy rain developed with rainfall rates of 1 to 2 inches per hour common. During the late night hours, a line of thunderstorms formed along the cold front and advanced east. One area of the line became severe with strong winds mixing down to produce a 70 MPH wind gust in Creston. The main event was very heavy rainfall. In Dallas and Polk Counties, 1.5 to 3 inches of rain produced considerable street flooding in Polk County, and flash flooding in Dallas County. Water was flowing over Iowa Highway 44 just east of Dallas Center, resulting in its closure. A swath of 2 to 4 inch rainfall stretched from southwest through central Iowa. Another cluster of storms produced heavy rainfall in the Ottumwa area with 4.75 inches there, along with considerable urban flooding. Some of the higher totals included 4.71 inches in Bondurant, 4.6 inches in Gilman, 4.5 inches in Windsor Heights, and 3.92 inches in Ankeny.

Wayne County 1 S Corydon

18	1544CST			0	0	15.00K	0.00K	Thunderstorm Wind (60MG)
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Winds were reported from KCCI TV schoolnet site.

Wayne County 2 N Cambria

18	1547CST			0	0	10.00K	10.00K	Thunderstorm Wind (57EG)
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A 20 inch diameter Ash tree was split in half, along with several other large tree limbs down in the town of Cambria. In addition, one 18 inch diameter tree limb was downed.

Wayne County 1 S Corydon

18	1550CST			0	0	10.00K	5.00K	Thunderstorm Wind (57EG)
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Large trees were blown over into the road in south Corydon.

Marion County Pleasantville

18	1555CST			0	0	5.00K	0.00K	Thunderstorm Wind (52EG)
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Wayne County 1 S Corydon

18	1600CST			0	0	40.00K	0.00K	Thunderstorm Wind (65EG)
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A 4 foot diameter tree uprooted, along with several 10 to 20 inch tree limbs being blown down. This included many hard wood trees down in the town of Corydon. One house had several shingles and a half sheet of plywood blown off at the chimney and one large tree down.

Marion County 1 N Pleasantville

18	1605CST			0	0	2.00K	0.00K	Thunderstorm Wind (50EG)
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High winds downed power lines.

Poweshiek County 2 NW Montezuma

18	1650CST			0	0	10.00K	5.00K	Thunderstorm Wind (60MG)
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A trained spotter measured this wind gust and reported tree limb damage.

Black Hawk County 1 SE La Porte City

18	1730CST			0	0	5.00K	0.00K	Thunderstorm Wind (52EG)
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Tree branches of 8 to 10 inches in diameter were blown down, blocking the road at Iowa and Sycamore. Reported by KWWL TV.

Audubon County Audubon

18	1832CST			0	0	10.00K	0.00K	Thunderstorm Wind (56MG)
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Wind report was from the Audubon Community schoolnet. ID SAUI4.

Audubon County 4 WNW Gardner

18	1838CST			0	0	5.00K	2.00K	Thunderstorm Wind (52EG)
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Storm Data and Unusual Weather Phenomena

										September 2007
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm	
<u>IOWA, Central</u>										
Guthrie County										
1 SE Casey	18	1858CST			0	0	10.00K	0.00K	Thunderstorm Wind (56MG)	
									Report from schoolnet site SADI4.	
Guthrie County										
Guthrie Center	18	1906CST			0	0	3.00K	0.00K	Thunderstorm Wind (52EG)	
									High winds downed trees, power poles, and lines in Guthrie Center.	
Guthrie County										
1 E Menlo	18	1910CST			0	0	10.00K	0.00K	Thunderstorm Wind (57EG)	
									Power lines blown down in Menlo, power was out on the west side of town.	
Greene County										
1 SE Dana	18	1920CST			0	0	5.00K	0.00K	Thunderstorm Wind (52EG)	
									Winds were estimated 60 to 65 MPH.	
Dallas County										
1 NE Perry	18	1930CST			0	0	5.00K	0.00K	Thunderstorm Wind (52EG)	
									Numerous 6 to 10 inch tree limbs were blown down in Perry. A tree blocked a road in town. Winds blew down street barricades, damaging them.	
Dallas County										
3 WSW Bouton	18	1933CST			0	0	10.00K	5.00K	Thunderstorm Wind (61EG)	
Dallas County										
3 WSW Bouton	18	1935CST			0	0	10.00K	5.00K	Thunderstorm Wind (61EG)	
Polk County										
3 WNW Crocker	18	1952CST			0	0	1.00K	0.00K	Thunderstorm Wind (45EG)	
									A 30 inch diameter tree was blown over.	
Polk County										
1 E Windsor Hgts	18	2000CST			0	0	4.00K	0.00K	Thunderstorm Wind (50EG)	
									Two large trees down were blown down in Windsor Park. This report was relayed by KCCI TV.	
Story County										
1 SW Ames	18	2000CST			0	0	5.00K	0.00K	Thunderstorm Wind (52EG)	
									An ISU Meteorology professor reports at least 60 MPH wind on far north side of Ames.	
Story County										
Slater	18	2001CST			0	0	1.00K	0.00K	Thunderstorm Wind (45EG)	
									A 2 foot diameter branch fell off of a tree and blocked highway 210.	
Story County										
1 SW Ames	18	2002CST			0	0	5.00K	0.00K	Thunderstorm Wind (50EG)	
									Power lines were blown down in two different locations near the city. One set of power lines landed on a Schwans truck.	

Storm Data and Unusual Weather Phenomena

September 2007

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

Strong winds aloft were in place over Iowa with a strong southwest flow of 35 to 55 kts in place through the lower and middle levels of the atmosphere. A cold front approached Iowa from the west during the afternoon and evening hours. The airmass was not all that unstable, with limited CAPE available for the event. Most unstable CAPE values were in the 1000 to 1500 J/kg range with shear values around 45 kts. There was a decent amount of downdraft CAPE available, in the 1000 to 1200 J/kg range. Morning convection complicated the weather situation by reducing the solar insulation across the area. Eastern Iowa did clear out enough to allow temperatures to warm in to the mid 80s, along with dew point temperatures in the mid 60s. A line of thunderstorms formed along this discontinuity during the last afternoon. This line lifted northeast quite rapidly, producing high winds as it did. A strong short wave lifted out of the southern plains during the late afternoon and evening hours. This in combination with the approaching cold front resulted in a strong line of thunderstorms along the front in western Iowa. As the storms advanced east, several small bow echo segments and meso-cyclones developed, resulting in high winds for parts of west central into central Iowa. Both of the lines of storms featured high wind as the mode of severe weather. Wind gusts were recorded in the 60 to 70 MPH range with the storms as strong winds from aloft mixed into the outflow of the storms. Several reports of tree and power line damage were received. One of the storms in Wayne County removed some shingles from a roof of a house and tore off a half sheet of plywood from the chimney.

Bremer County 1 E Waverly

21	1608CST			0	0	5.00K	0.00K	Thunderstorm Wind (52EG)
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The Emergency Manager reported trees and large limbs blown down.

Black Hawk County 1 S Waterloo

21	1615CST			0	0	5.00K	0.00K	Thunderstorm Wind (52EG)
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The Emergency Manager reported large limbs down and blocking roads.

Black Hawk County 1 E Dunkerton

21	1615CST			0	0	10.00K	0.00K	Thunderstorm Wind (70EG)
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A power pole was blown down by high winds.

Bremer County Janesville

21	1615CST			0	0	5.00K	5.00K	Thunderstorm Wind (70EG)
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Warren County 1 S Norwalk

21	1618CST			0	0	10.00K	10.00K	Thunderstorm Wind (74EG)
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A power pole was blown down in rural Warren County.

Black Hawk County 1 SSW Washburn

21	1635CST			0	0	5.00K	0.00K	Thunderstorm Wind (52EG)
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Large tree limbs were blown down in Washburn.

A strong south to southwest flow of moist air was on place across Iowa in advance of an approaching cold front. The cold front moved through the state during the afternoon with a line of thunderstorms forming along the front. The airmass was moderately unstable with CAPE values in the 1000 to 2000 J/kg range and lifted indices in the -4 to -6 C. range. Downdraft CAPE values were in the 600 to 800 J/kg range. There was a decent amount of shear in the atmosphere with 45 to 50 kts indicated. The freezing level was quite high, near 14,000 feet. There were reports of some pea size hail, but no significant hail was reported. Most of the storms along the line produced 30 to 40 MPH winds. A few of the storms produced severe criteria winds with spotty damage to trees and power poles reported. It appears that most of the high wind reports were associated with downbursts.

Ringgold County 3 SE Delphos

30	1530CST			0	0	3.00K	0.00K	Thunderstorm Wind (52EG)
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Six inch diameter tree branches were blown down by high winds.

Sac County 6 WNW Lake View

30	1633CST			0	0	3.00K	10.00K	Hail (1.00)
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Marion County 3 N Newbern

30	1646CST			0	0	3.00K	0.00K	Thunderstorm Wind (52EG)
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Six inch diameter tree limbs were blown down west of Melcher.

Marion County 1 S Pleasantville

30	1700CST			0	0	3.00K	10.00K	Hail (1.00)
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Storm Data and Unusual Weather Phenomena

September 2007

September 2007									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
IOWA, Central									
Marion County 4 NE Pella	30	1726CST 1727CST	0.59	530	0	0	75.00K	100.00K	Tornado (EF1)
Tornado touched down in Marion County, then tracked northeast into Mahaska County.									
Sac County 2 NNW Lytton	30	1726CST 1727CST	1.01	30	0	0	0.00K	10.00K	Tornado (EF0)
Small rope tornado touched down in Sac County and moved into Calhoun County.									
Calhoun County 7 WSW Jolley	30	1727CST 1730CST	3.19	30	0	0	0.00K	40.00K	Tornado (EF0)
Small rope tornado touched moved into Calhoun County from Sac County. It lifted west of Jolley.									
Mahaska County 4 W Peoria	30	1727CST 1731CST	3.46	1250	0	0	500.00K	250.00K	Tornado (EF2)
Tornado moved into Mahaska County from Marion County, then continued northeast into Jasper County.									
Jasper County 4 SSE Sully Muni Arpt 1 ESE Lynnvile	30	1731CST 1737CST	5.79	1250	0	0	1.00M	500.00K	Tornado (EF2)
Tornado moved into Jasper County from Mahaska County, then continued northeast into Poweshiek County.									
Poweshiek County 3 W Searsboro 3 W Malcolm	30	1737CST 1751CST	12.02	1250	0	0	2.50M	1.00M	Tornado (EF2)
Tornado moved into Poweshiek County from Jasper County. It lifted west of Malcom.									
Poweshiek County 3 NNW Malcolm 6 NW Brooklyn	30	1748CST 1754CST	4.97	150	0	0	250.00K	200.00K	Tornado (EF1)
The second tornado touched down northwest of Malcom. This tornado was on the ground for about 5 miles before lifting north of town.									
Palo Alto County 3 SSE Emmetsburg Arpt	30	1846CST			0	0	2.00K	0.00K	Thunderstorm Wind (52EG)
An ISU Meteorology student estimated 60 MPH wind gusts 4 miles south of Emmetsburg.									

Storm Data and Unusual Weather Phenomena

Location	Date	Time	Path	Path	Number of		Estimated	Crops	Character of Storm	September 2007
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Damage Property			

IOWA, Central

A very dynamic weather system moved into Iowa during the afternoon of the 30th. The system was more reminiscent of what one would expect in April or May. A close upper level low pressure, negatively tilted, lifted northeast through the central U.S. The structure was very classic in appearance with a well defined comma cloudy, dry slot, and warm conveyor in place. By the early evening, the surface low became stacked with the upper low and was located over eastern Nebraska. A defined dry line extended south-southeast out of the low. Surface temperatures warmed into the mid 70s to mid 80s ahead of the low, with dew points in the mid to upper 60s. Dew points behind the dry line dropped into the upper 30s to mid 40s. The airmass became unstable by the late afternoon with CAPE values around 1000 J/kg and lifted indices in the -2 to -4 C. range. Strong dynamics were in place with a 90 kt mid level jet in place, a low level jet of 60 to 70 kts, and an effective shear of 45 to 55 kts. The freezing level was quite high ahead of the approaching low and was between 13,000 and 14,000 feet. The high freezing level, combined with the limited CAPE of 100 to 200 J/kg in the -10 to -30 C. layer of the atmosphere, limited hail production. The downdraft CAPE was in the 600 to 1000 J/kg range, with an LCL of about 1250 meters. Thunderstorms formed in two locations. The first was along the east edge of the dry slot across Kansas. These storms became severe and lifted northeast quite rapidly into southern and central Iowa. Spotty wind damage was reported and one of the storms dropped one inch diameter hail in Marion County. The storms became tornadic as the moved into central Iowa. During the evening of Sunday 30 September 2007 two tornadoes struck portions of Marion, Jasper, Mahaska, and Poweshiek Counties. The first tornado produced EF0 to EF2 damage along its track and was rated EF2 on the Enhanced Fujita Scale with maximum winds of 125 mph. The track was 22 miles in length from 4 miles northeast of Pella to 1 mile north of Interstate 80, 2 miles west of Malcom. Much of the track was three to five tenths of a mile wide, but as wide as seven tenths of a mile at times. The second, shorter and weaker tornado was 5 miles in length and rated EF1 on the Enhanced Fujita Scale. The track began just south of Highway 6, 2.75 miles northwest of Malcom with a maximum width of 150 yards narrowing to 25-50 yards. The storm hit a farmstead just east of 110th street producing EF1 damage with speeds just under 100 mph. The tornadoes caused extensive damage on a farmstead near Malcom with three barns totally destroyed. The barns were 20 by 30 feet, 20 by 40 feet, and 60 by 100 feet. In addition, numerous other damage reports came in from along the track. Fortunately, there were no deaths or injuries from the tornadoes. Thunderstorms also formed close to the upper low center on the nose of the dry punch. There were several reports funnel clouds, along with spotty reports of high winds and hail. A storm chaser confirmed a tornado touchdown 2 NNW of Lytton in Sac county and was on the ground until 4 W of Jolley in Calhoun county. The tornado was in open country and was a small EF0 tornado. One inch diameter hail fell in Sac County, with numerous reports of pea to marble size hail.

IOWA, East Central and Southeast

Henry County

Winfield

07	0210CST	0	0	1.00K	0.00K	Thunderstorm Wind (56EG)
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Winds estimated to be 65 mph blew down a tree and destroyed a small out building on the south side of Winfield, IA. Time estimated.

A large area of showers and thunderstorms moved across eastern Iowa during the early morning hours of September 7th with one storm near Winfield, IA producing damaging winds.

Benton County

1 E Belle Plaine

18	1713CST	0	0	0.00K	0.00K	Thunderstorm Wind (52MG)
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A wind gust was measured at 60 mph. Reported by the EMA office.

Benton County

1 SW Van Horne

18	1721CST	0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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Winds were estimated to be 60 mph by the fire department at Van Horne, IA.

Benton County

1 S Vinton

18	1724CST	0	0	0.00K	0.00K	Thunderstorm Wind (69MG)
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A wind gust of 79 mph was measured at Vinton, IA. Sustained winds were 46 mph.

Benton County

4 SSE Garrison

18	1724CST	0	0	0.00K	0.00K	Thunderstorm Wind (56EG)
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Winds were estimated to be 65 mph about 7 miles southwest of Vinton, IA. Relayed by EM. Reported by a trained spotter.

Benton County

Keystone

18	1741CST	0	0	20.00K	0.00K	Thunderstorm Wind (61EG)
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Winds estimated to be 70 mph blew a 55,000 bushel grain bin over and a fertilizer storage bin 30 feet.

Buchanan County

1 W Independence

18	1742CST	0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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Storm Data and Unusual Weather Phenomena

September 2007										
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured		Estimated Damage Property	Crops	Character of Storm	
IOWA, East Central and Southeast										
			Winds were estimated to be 60 mph at the intersection of Highway 20 and Highway 150 at the Walmart Store in Independence, IA.							
Benton County 1 S Vinton	18	1743CST			0	0	0.00K	0.00K	Thunderstorm Wind (56EG)	
			Winds estimated to be 65 mph blew down a large healthy oak tree near the intersection of 63rd Street and 28th Street in Vinton, IA.							
Linn County 2 SE Troy Mills	18	1750CST			0	0	0.00K	0.00K	Thunderstorm Wind (56EG)	
			Winds were estimated to be 65 mph near Troy Mills, IA.							
Delaware County 1 S Edgewood	18	1803CST			0	0	0.00K	0.00K	Thunderstorm Wind (54EG)	
			A wind gust was measured at 62 mph in Edgewood, IA.							
Delaware County 1 NW Manchester	18	1818CST			0	0	0.00K	0.00K	Thunderstorm Wind (56EG)	
			Winds estimated to be 65 mph blew down some trees in Manchester, IA.							
Delaware County Dundee	18	1818CST			0	0	0.00K	0.00K	Thunderstorm Wind (56EG)	
			Winds estimated to be 65 mph blew down some trees in Dundee, IA.							
Delaware County Edgewood	18	1818CST			0	0	0.00K	0.00K	Thunderstorm Wind (56EG)	
			Winds estimated to be 65 mph blew down some trees and destroyed a 50 foot by 80 foot shop building in Edgewood, IA.							
			Thunderstorms moved into areas west of a line from Sigourney, IA to Dubuque, IA during the early evening hours of September 18th ahead of a cold front. Moderate instability developed and humidity levels increased during the afternoon as temperatures rose into the middle 80s to near 90.							
			A small bowing echo line of storms moved through areas north and west of the Cedar Rapids area producing damaging winds between 60 and 80 mph.							
Buchanan County 5 NE Independence	21	1645CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)	
			Winds estimated to be 60 mph blew down some tree limbs about 5 miles northeast of Independence, IA. Time estimated.							
Benton County 2 NE Mt Auburn	21	1658CST			0	0	0.00K	0.00K	Thunderstorm Wind (56EG)	
			A wind gust was estimated to be 65 mph near Mount Auburn, IA.							
Linn County 3 SE Cedar Rapids	21	1743CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)	
			A wind gust was estimated to be 60 mph three miles east of Cedar Rapids, IA.							
Linn County 2 SSW Cedar Rapids	21	1745CST			0	0	5.00K	0.00K	Thunderstorm Wind (56EG)	
			Winds estimated to be 65 mph blew down a tree and some power lines at the intersection of Wilson Ave and 6th Street in Cedar Rapids, IA. Relayed by KCRG TV. Time estimated.							
			A line of thunderstorms along a cold front pushed eastward into Buchanan, Benton, and Linn counties during the late afternoon and early evening hours of September 21st producing damaging winds between 60 and 70 mph.							
Cedar County 4 WSW Lowden	25	0945CST			0	0	0.20K	0.00K	Lightning	

Storm Data and Unusual Weather Phenomena

										September 2007
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm	
IOWA, East Central and Southeast										
Johnson County Kent County Park	Lightning struck a tree next to a house located about 3.5 miles west southwest of Lowden, IA around 10:45 am September 25th. The tree caught on fire and phone service was interrupted for a while.									
	30	1754	CST			0	0	0.00K	0.00K	Thunderstorm Wind (61EG)
Johnson County 3 N Oxford	Winds estimated to be 70 mph blew down numerous trees and tree limbs up to 6 inches in diameter in F.W. Kent Park. Report provided by Johnson County Conservation Board.									
	30	1800	CST			0	0	0.00K	0.00K	Hail (0.88)
Johnson County 3 N Oxford	A truck driver estimated nickel size hail on Interstate 80 west of Oxford, IA near mile marker 230.									
	30	1800	CST			0	0	0.00K	0.00K	Thunderstorm Wind (61EG)
Linn County 2 SSW Cedar Rapids	A truck driver estimated 70 mph winds on Interstate 80 west of Oxford, IA near mile marker 230.									
	30	1808	CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
Linn County 2 SSW Cedar Rapids	A spotter estimated winds to be 60 mph in Cedar Rapids, IA.									
	30	1810	CST			0	0	15.00K	0.00K	Thunderstorm Wind (61EG)
Cedar County 1 E Mechanicsville	Winds estimated to be 70 mph blew a portion of a roof of an industrial building off near the 4000 block of J Street SW in Cedar Rapids, IA.									
	30	1830	CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
Jones County 1 S Anamosa	Winds estimated to be 60 mph blew down several branches in Mechanicsville, IA. Time estimated.									
	30	1830	CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
Jones County 1 S Anamosa	Winds estimated to be 60 mph blew down some tree branches in Anamosa, IA.									
	30	1830	CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
Jones County Anamosa	Winds were estimated to be 60 mph in Anamosa, IA.									
	30	1830	CST			0	0	10.00K	0.00K	Thunderstorm Wind (56EG)
Henry County 1 E Wayland	Winds estimated to be 65 mph blew down a tree onto a building on the south side of Anamosa, IA.									
	30	1838	CST			0	0	5.00K	0.00K	Thunderstorm Wind (61EG)
Johnson County 1 NE Lone Tree	Winds estimated to be 70 mph blew a portion of a roof of a mobile home off near Wayland, IA. Time estimated.									
	30	1845	CST			0	0	5.00K	0.00K	Thunderstorm Wind (61EG)
	Winds estimated to be 60 to 70 mph blew down one foot diameter tree limbs as well as power lines in Lone Tree, IA. Time estimated.									

Storm Data and Unusual Weather Phenomena

September 2007

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
IOWA, East Central and Southeast									
Louisa County									
1 NW Columbus Jct	30	1913CST			0	0	0.00K	0.00K	Thunderstorm Wind (56EG)
Winds estimated to be 65 mph blew down a tree limb in Columbus Junction, IA.									
Muscatine County									
1 W Muscatine	30	1934CST			0	0	0.00K	0.00K	Thunderstorm Wind (56EG)
Winds estimated to be 65 mph blew down an 8 inch diameter tree in Muscatine, IA.									
Scott County									
2 NNW Davenport	30	1950CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
Winds were estimated to be 60 mph at the NWS Office in Davenport, IA.									
Clinton County									
Dewitt	30	1955CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
Winds estimated to be 60 mph blew down several 1 to 3 inch diameter tree limbs and branches in De Witt, IA.									
Clinton County									
Dewitt	30	1955CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
Winds were estimated to be 60 mph in De Witt, IA.									
Clinton County									
1 W Malone	30	2001CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
Winds estimated to be 60 mph blew down some tree branches 3 to 4 inches in diameter about 4 miles east of De Witt, IA. Time estimated.									
A cold front moved through eastern Iowa, northeast Missouri, and northwest Illinois during the evening hours of September 30th producing showers and thunderstorms. Some of the thunderstorms were severe producing damaging winds of 60 to 70 mph and isolated nickel sized hail.									
IOWA, Northeast									
Clayton County									
Edgewood	18	1802CST			0	0	0.00K	0.00K	Thunderstorm Wind (54MG)
Fayette County									
Arlington	18	1803CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
Clayton County									
1 N Edgewood	18	1810CST			0	0	25.00K	0.00K	Thunderstorm Wind (61EG)
A 50 x 80 foot pole barn was blown down and destroyed by a severe thunderstorm wind gust.									
Clayton County									
2 N Littleport	18	1815CST			0	0	20.00K	0.00K	Thunderstorm Wind (61EG)
Two barns were blown down and destroyed by a severe thunderstorm wind gust on Grandview Road midway between Elkader and Garber.									
A strong cold front moved across northeast Iowa during the evening hours of September 18th, triggering a line of severe thunderstorms. Law enforcement officials and storm spotters reported damaging winds of 60 to 70 mph, which blew down some barns.									
Howard County									
2 W Elma	21	1435CST			0	0	75.00K	10.00K	Thunderstorm Wind (55EG)
Two silos were damaged, a grain bin was caved in, and one end of a machine shed was lost.									
An approaching cold front triggered a line of thunderstorms across northeast Iowa during the late afternoon of September 21. An isolated storm near the Minnesota-Iowa border was severe and produced damaging winds of 60 to 65 mph.									
Clayton County									
Monona	30	1750CST			0	0	4.00K	0.00K	Thunderstorm Wind (61EG)

Storm Data and Unusual Weather Phenomena

September 2007

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

Large trees and power lines were knocked down and power outages were reported near Monona.

An approaching cold front triggered a line of severe thunderstorms during the evening hours of September 30th. Wind gusts up to 70 mph were reported by law enforcement officials, which knocked down trees, power lines and caused power outages.

IOWA, Northwest

Woodbury County Sioux City

06	1748CST 1930CST			0	0	0.00K	0.00K	Flash Flood
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Heavy rainfall caused flash flooding of numerous roads, including up to four feet of water covering some main roads.

Plymouth County 2 N Le Mars

06	1827CST			0	0	0.00K	0.00K	Hail (1.75)
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Thunderstorms produced heavy rain which caused flash flooding in the Sioux City area during the early evening of September 6th. The thunderstorms also produced golf ball size hail near LeMars.

Plymouth County 5 S Craig

13	0435CST			0	0	0.00K	0.00K	Hail (1.00)
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Plymouth County 3 NE Le Mars

13	0455CST			0	0	0.00K	0.00K	Hail (0.75)
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A thunderstorm produced marginally large hail in Plymouth County during the early morning of September 13th.

Osceola County 8 E Melvin

24	1410CST			0	0	0.00K	0.00K	Hail (0.88)
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A thunderstorm produced nickel size hail in Osceola County of northwest Iowa during the afternoon of September 24th.

Sioux County 6 WSW Rock Vly

30	1520CST			0	0	0.00K	0.00K	Hail (1.00)
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Large hail was accompanied by very heavy rain.

Sioux County 6 W Rock Vly

30	1524CST			0	0	0.00K	0.00K	Hail (0.75)
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Sioux County 5 SW Rock Vly

30	1527CST	0.1	50	0	0	0.00K	0.00K	Tornado (EF0)
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A brief tornado caused no reported damage.

Sioux County 5 SW Rock Vly

30	1530CST			0	0	0.00K	0.00K	Hail (1.75)
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Plymouth County Akron

30	1544CST			0	0	0.00K	0.00K	Hail (1.00)
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Woodbury County 2 W Salix

30	1545CST			0	0	0.00K	0.00K	Hail (0.88)
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Large hail was accompanied by estimated 50 mph wind gusts.

Sioux County 2 SW Sioux Center

30	1550CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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Plymouth County Akron

30	1605CST			0	0	0.00K	0.00K	Hail (0.75)
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Large hail covered the ground and stripped trees bare.

Woodbury County Anthon

30	1605CST			0	0	0.00K	0.00K	Hail (0.88)
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Storm Data and Unusual Weather Phenomena

September 2007

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
IOWA, Northwest									
Woodbury County									
Anthon	30	1605CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
									Thunderstorm winds blew a car off a road.
Plymouth County									
Brunsville	30	1610CST			0	0	0.00K	0.00K	Hail (1.00)
Plymouth County									
Brunsville	30	1610CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
									Thunderstorm winds caused tree damage, including several limbs blown down.
Woodbury County									
3 SE Anthon	30	1620CST			0	0	0.00K	0.00K	Hail (1.00)
Plymouth County									
Brunsville	30	1630CST 1730CST			0	0	0.00K	0.00K	Flash Flood
									Over 3 inches of rain caused flooding of streets.
Plymouth County									
4 SW Craig	30	1630CST			0	0	0.00K	0.00K	Hail (0.75)
									Large hail covered the ground.
Ida County									
6 WSW Holstein	30	1643CST			0	0	0.00K	0.00K	Hail (1.00)
Ida County									
4 WSW Holstein	30	1643CST			0	0	0.00K	0.00K	Hail (2.00)
Ida County									
Holstein	30	1645CST			0	0	0.00K	0.00K	Hail (0.75)
Ida County									
5 SE Holstein	30	1649CST			0	0	0.00K	0.00K	Hail (1.25)
Cherokee County									
2 SW Quimby	30	1650CST			0	0	0.00K	0.00K	Hail (1.00)
Plymouth County									
3 N Oyens	30	1708CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
Buena Vista County									
Alta	30	1725CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
									Thunderstorms produced large hail, damaging winds, flash flooding, and one reported tornado in northwest Iowa during the late afternoon of September 30th.
IOWA, Southwest									
Harrison County									
4 NNE Modale	06	1954CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
									Large tree branches were reported down.
Harrison County									
Missouri Vly	06	2037CST 2107CST			0	0	0.00K	0.00K	Heavy Rain
									Rainfall of an inch or two in an hour or so produced street flooding in Missouri Valley. Four inches of running water was reported over Main Street in town due to the heavy rain.
Page County									
Clarinda	06	2228CST 2240CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)

Storm Data and Unusual Weather Phenomena

September 2007

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

Thunderstorm winds knocked down several large tree limbs in Clarinda, some of which downed a few power lines and did minor damage to a few houses. A facade above a local business was also damaged by the winds.

Montgomery County Villisca

06	2230CST			0	0	0.00K	0.00K	Thunderstorm Wind (75EG)
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A microburst produced straight-line winds estimated at 80 to 100 mph. The winds caused significant damage to an apartment building, at least one garage and one camper. Large trees were also blown down.

An upper level disturbance moving across Nebraska helped thunderstorm development ahead of a cold front. There were isolated reports of severe weather with these storms across the eastern Nebraska and southwest Iowa region.

Harrison County Modale

18	1722CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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Thunderstorm wind gusts estimated at least at 60 mph broke large tree branches and downed a few old trees in town.

Harrison County Magnolia Beebeetown

18	1736CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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Six to eight inch diameter tree limbs were knocked down by thunderstorm wind gusts estimated around 60 mph.

Harrison County Logan

18	1737CST			0	0	0.00K	0.00K	Thunderstorm Wind (56EG)
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Thunderstorm wind gusts of 60 to 70 mph downed numerous trees and large branches in town. The fallen trees caused power outages across town and some areas lost power for around 5 hours.

Shelby County Portsmouth

18	1755CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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Thunderstorms winds knocked part of a tree onto a house.

Shelby County Harlan

18	1810CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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Thunderstorm winds estimated at around 60 mph knocked a few large tree limbs onto power lines causing some brief power outages in town.

Scattered thunderstorms developed along a cold front during the afternoon hours of September 18th. The thunderstorms were aided by an upper level disturbance that tracked from the Rocky Mountains east across Nebraska. Showers and clouds which lingered from early morning activity limited the instability somewhat over the area. Nonetheless, a line of storms formed along the front and produced a few severe weather reports as the storms tracked into western Iowa by early evening. However, much of the activity consisted of a period of very heavy rain and wind gusts of 35 to 45 mph.

Monona County 2 ENE Castana

24	1745CST			0	0	0.00K	0.00K	Hail (0.75)
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Hail up to 3/4 inch was reported along with winds estimated at 60 mph.

Monona County 2 NE Castana

24	1745CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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Occurred with 3/4 inch hail.

Monona County 4 SW Mapleton

24	1750CST			0	0	0.00K	0.00K	Thunderstorm Wind (61EG)
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Winds estimated at 70 mph were reported by the public about 4.5 miles southwest of Mapleton.

Monona County 3 SE Mapleton

24	1755CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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The public estimated thunderstorm wind gusts at up to 60 mph.

Thunderstorms developed along a slow moving cold front during the late afternoon of September 24th. The storms produced mostly wind damage in western Iowa, although a report of 3/4 inch hail was received near Castana.

Storm Data and Unusual Weather Phenomena

September 2007								
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured		Estimated Damage Property Crops	Character of Storm
IOWA, Southwest								
Monona County 4 ENE Whiting	30	1540CST			0	0	0.00K 0.00K	Hail (0.75)
A closed upper level low pressure system that tracked across northern Nebraska triggered a few severe thunderstorms across northeast Nebraska and parts of western Iowa. Temperatures in advance of the system climbed into the upper 70s to lower 80s with dew point readings in the lower 60s. Temperatures behind the system were in the 50s.								
KANSAS, East								
Jackson County Netawaka	06	1552CST			0	0	0.00K 0.00K	Hail (1.00)
Measured quarter size hail rept relayed to law enforcement officials.								
Brown County 6 W Horton	06	1610CST			0	0	0.00K 0.00K	Hail (1.00)
Measured quarter size hail report from Kickapoo Reservation Fire Department relayed to County Law Enforcement.								
Brown County Willis	06	1631CST			0	0	0.00K 0.00K	Hail (1.75)
Clay County 8 NNE Clay Center	06	1715CST			0	0	0.00K 0.00K	Hail (0.88)
Clay County 11 NE Clay Center	06	1719CST			0	0	0.00K 0.00K	Hail (1.00)
Riley County 9 NNW Leonardville	06	1730CST			0	0	0.00K 0.00K	Hail (1.00)
Marshall County Blue Rapids	06	1749CST			0	0	0.00K 0.00K	Thunderstorm Wind (52EG)
Telephone pole blown down. Pea size hail also reported.								
Marshall County 2 W Blue Rapids	06	1755CST			0	0	0.00K 0.00K	Hail (0.88)
Two to four inch tree limbs also blown down.								
Marshall County Marysville	06	1758CST			0	0	0.00K 0.00K	Thunderstorm Wind (52EG)
Power pole reported down near the intersection of 17th and Hwy 36.								
Marshall County Marysville	06	1800CST			0	0	0.00K 0.00K	Thunderstorm Wind (52EG)
Power pole reported down along N. 11th St.								
Nemaha County 2 NW Baileyville	06	1815CST			0	0	0.00K 0.00K	Thunderstorm Wind (52EG)
Nemaha Cty EM relayed a public report of wind damage to out buildings.								
Nemaha County 2 SW Baileyville	06	1822CST			0	0	0.00K 0.00K	Thunderstorm Wind (56EG)
Outbuildings were destroyed on spotter's farmstead.								
Marshall County 4 NW Frankfort	06	1850CST			0	0	0.00K 0.00K	Hail (0.88)

Storm Data and Unusual Weather Phenomena

September 2007

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

Marshall County 5 WSW Beattie

06	1903CST				0	0	0.00K	0.00K	Hail (1.50)
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Nemaha County 2 WSW Centralia

06	1933CST				0	0	0.00K	0.00K	Funnel Cloud
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Public report of a funnel cloud relayed to emergency manager.

Thunderstorms developed just south of the KS/NE line during the early evening hours of September 6th in the vicinity of a surface warm front. The associated surface low over the northwest corner of the state tracked slowly on a east to northeasterly path. Thunderstorms also developed along a cold front stretching southwestward from the low. Large hail and strong winds were the primary threat with the storms that passed across the Topeka CWA, but one funnel cloud report was relayed from a local Emergency Manager. A strong low level jet helped to sustain the thunderstorms through much of the night across the region.

Marshall County Beattie

06	2000CST				0	0	0.00K	0.00K	Flash Flood
07	0100CST								

Several basements in the town of Beattie reported to have water in them. At 10:25 CST law enforcement officials also reported that Hwy 99 was closed between the town of Beattie and Hwy 36 because of water over the roadway. The bridge over Robidoux Creek west of Beattie also had water over it.

Training thunderstorms in an extremely moisture rich environment led to flash flooding across portions of northeast Kansas the evening of September 6th. Several highways were closed due to water over roadways. Rain began falling around 5pm CST, and continued through approximately midnight. Flash flooding began to be reported after 9pm CST. Doppler radar estimated that 3 to 4 inches of rain had fallen at some locations across Marshall and Nemaha Counties at that time, and 1 to 2 inches in Ottawa County. Spotters reported 4 to 5 inches of rain had fallen between 6pm and 10pm CST in Nemaha County, and up to 6 inches in Marshall County (5.42 at Marysville at 10:25pm CST). A measured 7.05 was reported to have fallen at Baileyville in Nemaha County.

Marshall County 3 NE Beattie

06	2004CST				0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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Nemaha County 3 SSW Baileyville

06	2024CST				0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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Thunderstorms developed just south of the KS/NE line during the early evening hours of September 6th in the vicinity of a surface warm front. The associated surface low over the northwest corner of the state tracked slowly on a east to northeasterly path. Thunderstorms also developed along a cold front stretching southwestward from the low. Large hail and strong winds were the primary threat with the storms that passed across the Topeka CWA, but one funnel cloud report was relayed from a local Emergency Manager. A strong low level jet helped to sustain the thunderstorms through much of the night across the region.

Marshall County Frankfort

06	2040CST				0	0	0.00K	0.00K	Flash Flood
07	0100CST								

Water reported to be over several streets in town.

Training thunderstorms in an extremely moisture rich environment led to flash flooding across portions of northeast Kansas the evening of September 6th. Several highways were closed due to water over roadways. Rain began falling around 5pm CST, and continued through approximately midnight. Flash flooding began to be reported after 9pm CST. Doppler radar estimated that 3 to 4 inches of rain had fallen at some locations across Marshall and Nemaha Counties at that time, and 1 to 2 inches in Ottawa County. Spotters reported 4 to 5 inches of rain had fallen between 6pm and 10pm CST in Nemaha County, and up to 6 inches in Marshall County (5.42 at Marysville at 10:25pm CST). A measured 7.05 was reported to have fallen at Baileyville in Nemaha County.

Nemaha County Sabetha

06	2040CST				0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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Marshall County 6 S Summerfield

06	2103CST				0	0	0.00K	0.00K	Hail (1.00)
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Spotter also reported 4 inches of rain had fallen in the past 2 hours.

Thunderstorms developed just south of the KS/NE line during the early evening hours of September 6th in the vicinity of a surface warm front. The associated surface low over the northwest corner of the state tracked slowly on a east to northeasterly path. Thunderstorms also developed along a cold front stretching southwestward from the low. Large hail and strong winds were the primary threat with the storms that passed across the Topeka CWA, but one funnel cloud report was relayed from a local Emergency Manager. A strong low level jet helped to sustain the thunderstorms through much of the night across the region.

Nemaha County 3 W Bern

06	2126CST				0	0	0.00K	0.00K	Flash Flood
07	0100CST								

Hwy 71 was closed due to flooding between Hwy 63 and the town of Bern.

Storm Data and Unusual Weather Phenomena

									September 2007
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
<u>KANSAS, East</u>									
Ottawa County									
11 N Minneapolis	06	2138CST			0	0	0.00K	0.00K	Flash Flood
	07	0200CST							
Water approximately 8 inches deep covered a portion of Hwy 81 making it impassible.									
Training thunderstorms in an extremely moisture rich environment led to flash flooding across portions of northeast Kansas the evening of September 6th. Several highways were closed due to water over roadways. Rain began falling around 5pm CST, and continued through approximately midnight. Flash flooding began to be reported after 9pm CST. Doppler radar estimated that 3 to 4 inches of rain had fallen at some locations across Marshall and Nemaha Counties at that time, and 1 to 2 inches in Ottawa County. Spotters reported 4 to 5 inches of rain had fallen between 6pm and 10pm CST in Nemaha County, and up to 6 inches in Marshall County (5.42 at Marysville at 10:25pm CST). A measured 7.05 was reported to have fallen at Baileyville in Nemaha County.									
Clay County									
5 WNW Idana	06	2201CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
An outbuilding was blown across Hwy 24 just east of the Clay County line.									
Clay County									
Clay Center	06	2201CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
Estimated 60mph winds at the intersection of 14th and Frontier.									
Dickinson County									
8 NNE Chapman	06	2220CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
Thunderstorms developed just south of the KS/NE line during the early evening hours of September 6th in the vicinity of a surface warm front. The associated surface low over the northwest corner of the state tracked slowly on a east to northeasterly path. Thunderstorms also developed along a cold front stretching southwestward from the low. Large hail and strong winds were the primary threat with the storms that passed across the Topeka CWA, but one funnel cloud report was relayed from a local Emergency Manager. A strong low level jet helped to sustain the thunderstorms through much of the night across the region.									
Nemaha County									
5 N Centralia	06	2221CST			0	0	0.00K	0.00K	Flash Flood
	07	0200CST							
Hwy 187 closed due to flooding between the town of Centralia and Hwy 36.									
Ottawa County									
4 N Minneapolis	06	2228CST			0	0	0.00K	0.00K	Flash Flood
	07	0200CST							
Water was reported to be over 120th St. north of Minneapolis and south of Hwy 41.									
Training thunderstorms in an extremely moisture rich environment led to flash flooding across portions of northeast Kansas the evening of September 6th. Several highways were closed due to water over roadways. Rain began falling around 5pm CST, and continued through approximately midnight. Flash flooding began to be reported after 9pm CST. Doppler radar estimated that 3 to 4 inches of rain had fallen at some locations across Marshall and Nemaha Counties at that time, and 1 to 2 inches in Ottawa County. Spotters reported 4 to 5 inches of rain had fallen between 6pm and 10pm CST in Nemaha County, and up to 6 inches in Marshall County (5.42 at Marysville at 10:25pm CST). A measured 7.05 was reported to have fallen at Baileyville in Nemaha County.									
Riley County									
Manhattan	06	2241CST			0	0	0.00K	0.00K	Thunderstorm Wind (56EG)
Tree down on mobile home near the intersection of Allen Road and Tuttle Creek Blvd in eastern Manhattan. Several power outages reported.									
Wabaunsee County									
6 NW Alma	06	2259CST			0	0	0.00K	0.00K	Thunderstorm Wind (56EG)
Wabaunsee County									
5 N Paxico	06	2310CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
Relayed report from the public that tin sections of an outbuilding were carried a couple miles to the east by strong severe thunderstorm winds. Barbed wire fences were also knocked down.									
Wabaunsee County									
Maple Hill	06	2315CST			0	0	0.00K	0.00K	Thunderstorm Wind (56EG)
Two large trees blown down, which knocked down power lines.									

Storm Data and Unusual Weather Phenomena

September 2007

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
KANSAS, East									
Shawnee County									
Willard	06	2320CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
Dickinson County									
Chapman	06	2330CST			0	0	0.00K	0.00K	Hail (0.75)
Shawnee County									
4 W Topeka	06	2331CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
									Metal patio chair blown off the ground.
Shawnee County									
Topeka	06	2335CST			0	0	0.00K	0.00K	Thunderstorm Wind (61EG)
									Large branches and traffic signals blown down. Local power out.
									Thunderstorms developed just south of the KS/NE line during the early evening hours of September 6th in the vicinity of a surface warm front. The associated surface low over the northwest corner of the state tracked slowly on a east to northeasterly path. Thunderstorms also developed along a cold front stretching southwestward from the low. Large hail and strong winds were the primary threat with the storms that passed across the Topeka CWA, but one funnel cloud report was relayed from a local Emergency Manager. A strong low level jet helped to sustain the thunderstorms through much of the night across the region.
Marshall County									
7 NE Frankfort	07	0024CST 0200CST			0	0	0.00K	0.00K	Flash Flood
									Hwy 87 was closed between Hwy 36 and the town of Frankfort due to water over the roadway.
									Training thunderstorms in an extremely moisture rich environment led to flash flooding across portions of northeast Kansas the evening of September 6th. Several highways were closed due to water over roadways. Rain began falling around 5pm CST, and continued through approximately midnight. Flash flooding began to be reported after 9pm CST. Doppler radar estimated that 3 to 4 inches of rain had fallen at some locations across Marshall and Nemaha Counties at that time, and 1 to 2 inches in Ottawa County. Spotters reported 4 to 5 inches of rain had fallen between 6pm and 10pm CST in Nemaha County, and up to 6 inches in Marshall County (5.42 at Marysville at 10:25pm CST). A measured 7.05 was reported to have fallen at Baileyville in Nemaha County.
KSZ058-059									
									Anderson - Coffey
	09	0055CST 0730CST			0	0	0.00K	0.00K	Dense Fog
									Dense fog developed across Coffey and Anderson Counties in east central Kansas during the early morning hours of September 9th. Moisture pooled and winds sharply dropped off ahead of a weak cold frontal boundary, which helped the dense fog to develop. Once the cold front passed through the region, winds picked up out of the north and mixing helped lift the fog. Local law enforcement and storm spotters reported adverse driving conditions when visibilities were at their lowest. Fortunately, no accidents were reported.
Lyon County									
4 E Olpe	18	1340CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
									Three inch diameter live tree limbs down. Power knocked out at the spotter's home.
									Thunderstorms developed from east central Kansas northeastward ahead of a low over western Kansas and weak upper level shortwave that dove across east central Kansas during the late afternoon. Strong southwesterly winds at the surface and aloft made for a unidirectional flow regime, and promoted a marginal wind gust and hail threat. Only one damaging wind report was received locally, as storms formed over the far eastern portion of the CWA, and quickly exited the region.
KSZ054>056-058									
									Lyon - Osage - Franklin - Coffey - Anderson
	27	0200CST 0900CST			0	0	0.00K	0.00K	Dense Fog
									Dense fog developed across central and east central Kansas during the early morning hours of September 27. Convection during the evening of the 26th provided sufficient low level moisture for fog development, with dewpoint temperatures overnight hovering in the upper 50s to lower 60s across the region. High pressure built over Kansas as the convection pushed eastward, which allowed for calm winds through much of the night. Adverse driving conditions reported by local law enforcement officials did not result in any accidents.
KSZ034									
									Ottawa
	30	1130CST			0	0	0.00K	3.00K	Strong Wind
Morris County									
2 E Council Grove	30	1253CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
									Trained spotter was driving car along Hwy 56, approximately 2 miles east of Council Grove. Also reported dime size hail.

Storm Data and Unusual Weather Phenomena

September 2007

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

Wabaunsee County Eskridge

30	1314CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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Spotter estimated the wind gust speed. Also noted that an entertainment center was blown over.

Jefferson County Williamstown

30	1357CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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Trees and power lines reported down.

Jefferson County 5 E Perry

30	1358CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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Pea size hail also reported.

Douglas County 2 SSE Lawrence

30	1440CST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG)
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Sustained 40mph winds reported ahead of the storm, with gusts up to 60mph noted during the storm's passage. Live 1 inch diameter branches down and blown around by the wind. Pea sized hail also reported.

Douglas County Lawrence

30	1445CST			0	0	0.00K	0.00K	Thunderstorm Wind (56EG)
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Limbs up to 3 inches in diameter from 2 live trees were blown down by thunderstorm winds, which knocked out power to the spotter's home.

Franklin County 2 SW Centropolis

30	1446CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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A strong cold front tracked across eastern Kansas during the afternoon and evening hours of September 30th. Strong southwesterly sustained winds of 25 to 35 mph with gusts up to 50 mph ahead of the main trough knocked down weak branches in Ottawa County. Cloud cover during the morning hours prevented widespread and robust convection from developing as the cold front surged across the region. But, sufficient heating and favorable vertical wind profiles allowed for a broken line of thunderstorms to develop right around the noon hour CST. Thunderstorm wind gusts ravaged the far east central portion of the state, knocking down tree branches and power lines during the evening. Small hail was also reported with some of the more intense storms.

KANSAS, Extreme Southeast

Cherokee County 1 NW Galena

08	0946CST 1230CST			0	0	0.00K	0.00K	Flash Flood
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Low lying areas along the Spring River flooded.

A stationary front draped across the region and a persistent, moist southerly low level flow into this boundary produced two rounds of heavy rainfall across portions of the Missouri Ozarks and clipped Cherokee County, Kansas. The first round occurred during the early morning hours of September 8th, with the second occurring during the daylight hours of the 8th. Widespread flash flooding occurred in response to these episodes of heavy rain with rainfall amounts ranging from three to five inches. The Spring River Basin in Jasper and Lawrence counties observed the heaviest precipitation, causing the river to experience moderate flooding in Cherokee County.

Cherokee County 2 NE West Mineral

30	1715CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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Thunderstorm wind gusts downed a tree across Sportsmans Pit Road.

Crawford County 2 NW Croweburg

30	1730CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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Severe thunderstorm wind gusts downed trees near 240th Street and 660 Street. Another area of tree damage occurred near Arma.

A strong shortwave along with a cold front moved into extreme southeast Kansas and the Missouri Ozarks. This system triggered several thunderstorms, which produced damaging winds in Crawford and Cherokee counties.

KANSAS, Northeast

Atchison County 3 WNW Huron

06	1711CST			0	0	0.00K	0.00K	Hail (1.00)
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Storm Data and Unusual Weather Phenomena

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage Property	Crops	Character of Storm	September 2007
					Killed	Injured				

KANSAS, Northeast

Atchison County

Muscotah

06	2300CST				0	0	0.00K	0.00K	Hail (1.25)
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Isolated severe thunderstorms caused large hail in Atchison county on September 6, 2007.

Miami County

3 NE Paola

19	1714CST				0	0	0.00K	0.00K	Hail (0.75)
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An isolated thunderstorm produced large hail in Miami county Kansas, September 19, 2007.

Leavenworth County

Leavenworth

30	1425CST				0	0	0.00K	0.00K	Hail (1.00)
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A severe thunderstorm caused hail in Leavenworth county, September 30, 2007.

KANSAS, Northwest

Wallace County

3 N Sharon Spgs

06	1648MST				0	0	0.00K	0.00K	Hail (1.00)
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Firefighter reported hail covering the ground.

Wallace County

3 E Sharon Spgs

06	1653MST				0	0	0.00K	0.00K	Hail (1.25)
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Dispatch relayed public report of half dollar sized hail covering the ground.

Rawlins County

Mc Donald

06	1832CST				0	0	0.00K	0.00K	Hail (0.75)
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Rawlins County

Mc Donald

06	1832CST				0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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Heavy rain also reported.

Rawlins County

Mc Donald

06	1832CST				0	0	105.00K	0.00K	Thunderstorm Wind (74EG)
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An intense microburst produced damage in the town of McDonald. Debris was blown mainly east to east-southeast. Four power poles were snapped resulting in power outages to McDonald and Bird City. A trailer home was blown over and destroyed. A large garage/storage building was destroyed. Numerous tree limbs down and minor roof damage occurred.



Trailer home destroyed by microburst winds estimated at 85-90 mph.

Norton County

7 NE Norton

06	1904CST				0	0	0.00K	0.00K	Hail (1.75)
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Storm Data and Unusual Weather Phenomena

September 2007

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

Severe thunderstorms produced damaging winds and golf ball sized hail across portions of eastern Colorado and northwest Kansas during the late afternoon and evening hours. An intense microburst produced significant damage in McDonald, KS.

Wichita County Leoti

17 1515CST 0 0 0.00K 0.00K Hail (1.00)

Graham County 12 SW Hill City

17 1620CST 0 0 0.00K 0.00K Thunderstorm Wind (52EG)

A dead tree 20 ft high was blown over.

Graham County Hill City

17 1650CST 0 0 2.00K 0.00K Thunderstorm Wind (61EG)

Door blown off a business and a stoplight damaged.

Graham County Hill City

17 1650CST 0 0 0.00K 0.00K Thunderstorm Wind (50MG)

Graham County Hill City

17 1740CST
1940CST 0 0 0.00K 0.00K Flash Flood

Rainfall totaling 1.46 inches fell in 45 minutes with water flowing across roads on the east side of town.

Thunderstorms produced a few reports of large hail, strong and damaging winds and flash flooding during the late afternoon hours.

Gove County Grinnell

19 1537CST
1538CST 0 0 0.00K 0.00K Hail (1.25)

Heavy rainfall also occurred, but no flooding was reported.

Thunderstorms produced severe hail and locally heavy rainfall across Gove county during the afternoon.

Greeley County 15 NW Tribune

28 1348MST 0 0 0.00K 0.00K Hail (1.25)

Greeley County 15 NW Tribune

28 1430MST 0 0 0.00K 0.00K Hail (0.88)

Wallace County 10 S Sharon Spgs

28 1445MST 0 0 0.00K 0.00K Hail (1.00)

Wallace County Sharon Spgs

28 1450MST 0 0 0.00K 0.00K Hail (0.88)

Wallace County 17 SE Sharon Spgs

28 1505MST 0 0 0.00K 0.00K Hail (1.00)

Wallace County 6 E Sharon Spgs

28 1600MST 0 0 0.00K 0.00K Thunderstorm Wind (52EG)

Logan County 4 N Russell Spgs

28 1739CST
1939CST 0 0 0.00K 0.00K Flash Flood

Law enforcement reporting a substantial amount of water flowing over highway 25 at mile marker 161, or about 4 miles north of Russell Springs.

Gove County 17 SSW Grinnell

28 1821CST
1822CST 0.25 10 0 0 0.00K 0.00K Tornado (EF0)

Brief touchdown over open fields. No known damage.

Severe thunderstorms developed during the afternoon moving from Wallace and Greeley counties into Logan and Gove counties. Heavy rainfall produced flash flooding north of Russell Springs, and a brief tornado was reported in central Gove county.

Logan County Oakley

29 1151CST 0 0 0.00K 0.00K Thunderstorm Wind (54MG)

Storm Data and Unusual Weather Phenomena

September 2007

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
KANSAS, Northwest									
Wallace County Weskan	29	1850MST			0	0	0.00K	0.00K	Hail (0.75)
Sherman County 14 S Goodland	29	1850MST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
Wallace County 2 W Weskan	29	1853MST			0	0	0.00K	0.00K	Hail (0.88)
Wallace County 2 W Weskan	29	1853MST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
Sherman County Goodland	29	1901MST			0	0	0.00K	0.00K	Thunderstorm Wind (51MG)
									Dead tree down in 1300 block of Cherry Street. Small limbs down around town.
Sherman County 2 SE Goodland	29	1905MST			0	0	0.00K	0.00K	Thunderstorm Wind (61EG)
									Power pole leaning over at Road 63 and Road 21. Radar estimated velocity in this area around 70 mph. Time based on nearby report in Goodland.
Cheyenne County 4 W St Francis	29	1932CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
									A line of strong to severe thunderstorms swept across much of the Tri-state area producing numerous reports of strong wind and marginally severe hail.
KSZ016									
Graham	30	0908CST 1008CST			0	0	0.00K	0.00K	High Wind
									A strong cold front pushed through the region with numerous wind gusts from the northwest at 30-50 mph. A gust of 61 mph was reported in Graham County at Hill City during the morning. No known damage.
KANSAS, Southeast									
Barton County 2 NNW Pawnee Rock	06	2022CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
Barton County Great Bend	06	2033CST			0	0	0.00K	0.00K	Thunderstorm Wind (53MG)
									A 61 mph wind gust was measured by a KSN Weather Lab site in Great Bend.
Barton County Great Bend Arpt	06	2035CST			0	0	0.00K	0.00K	Thunderstorm Wind (53MG)
Barton County 7 SSE Great Bend	06	2035CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
									A trained spotter reported that thunderstorm winds had moved his 16 foot live stock trailer 55 feet and 1000 pound hay bail mover was moved 15 feet.
									A surface trough ahead of the main upper-level system spawned thunderstorms from Western Kansas into Northeast Kansas. One severe thunderstorm moved through Barton County with 60 mph winds.
Greenwood County 1 ESE Utopia	30	1406CST			0	0			Thunderstorm Wind (52EG)
Labette County 1 SE Altamont	30	1645CST			0	0			Thunderstorm Wind (52EG)
									One tree was reportedly downed in Altamont.
									A powerful upper level disturbance and associated cold front approaching from the northwest spawned strong to severe thunderstorms in the form of a squall line across portions of Southeast Kansas during the afternoon and early evening hours of September 30th.

Storm Data and Unusual Weather Phenomena

September 2007

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

Scott County

6 NNW Manning

06 1800CST 0 0 Hail (0.88)

Lane County

2 E Healy

06 1829CST 0 0 Hail (0.88)

Meade County

4 SE Meade

06 1830CST 0 0 4.50K 0.00K Thunderstorm Wind (65EG)

Five telephone poles were blown down and a 10 foot by 12 foot shed was damaged and moved 30 feet.

Clark County

4 SSW Minneola

06 1835CST 0 0 Thunderstorm Wind (52EG)

Meade County

12 SE Meade

06 1840CST 0 0 Thunderstorm Wind (52EG)

Lane County

Shields

06 1850CST 0 0 Hail (0.75)

Ford County

2 ESE Bloom

06 1855CST 0 0 Hail (0.75)

Clark County

7 WNW Ashland

06 1911CST 0 0 Thunderstorm Wind (52EG)

Clark County

1 N Ashland

06 1924CST 0 0 Thunderstorm Wind (74EG)

Several large trees were blown down by the high wind. A 7 inch diameter tree limb fell on a police car and caused substantial damage. The entire town of Ashland was without power.

Clark County

1 N Ashland

06 1924CST 0 0 Thunderstorm Wind (61EG)

Clark County

4 NNW Ashland

06 1930CST 0 0 Thunderstorm Wind (70EG)

Several trees were blown down. Many power lines were down from trees blowing into them.

Clark County

4 NNW Ashland

06 1930CST 0 0 Thunderstorm Wind (65EG)

Pawnee County

1 E Garfield

06 1957CST 0 0 10.00K Thunderstorm Wind (65EG)

Power poles were blown down and all power was out in Garfield.

Pawnee County

Larned

06 2005CST 0 0 Thunderstorm Wind (61EG)

Power lines were blown down and partial power outages were reported in Larned.

Pawnee County

4 N Ray

06 2025CST 0 0 Hail (1.75)

Pawnee County

4 N Ray

06 2025CST 0 0 Thunderstorm Wind (65EG)

Several six inch diameter tree limbs were blown down.

Storm Data and Unusual Weather Phenomena

September 2007

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
KANSAS, Southeast									
Pawnee County 4 N Ray	06	2025CST			0	0			Thunderstorm Wind (56EG)
Stafford County 4 NNE Radium	06	2027CST			0	0			Thunderstorm Wind (70EG)
									Many 2 to 4 inch diameter tree limbs were blown down.
Stafford County 4 NNE Radium	06	2027CST			0	0			Thunderstorm Wind (56EG)
									Hail and high wind occurred with thunderstorms moving across the area during the evening.
Morton County 8 NNE Rolla	15	1605CST			0	0			Hail (0.75)
Stevens County 7 NNW Feterita	15	1610CST			0	0			Hail (1.00)
Stevens County 3 SSE Hugoton	15	1640CST			0	0			Hail (0.88)
									Widely scattered thunderstorms produced marginally severe hail in the far southwest part of Kansas.
Comanche County 8 ESE Wilmore	18	1718CST			0	0			Hail (0.75)
									The hail was just under nickel sized.
Barber County 2 ENE Deerhead	18	1755CST			0	0			Hail (0.75)
Barber County 7 ESE Deerhead	18	1815CST			0	0			Hail (0.75)
Barber County 9 ESE Deerhead	18	1825CST			0	0			Hail (0.75)
									Isolated marginally severe hail fell from storms in the far southeast part of the County Warning Area in the early evening.
Gray County 8 NNW Charleston	19	1317CST			0	0			Hail (0.75)
Gray County 2 S Ingalls Muni Arpt	19	1405CST			0	0			Hail (0.75)
Lane County 4 S Amy	19	1420CST			0	0			Hail (0.88)
Lane County 6 S Amy	19	1420CST			0	0			Thunderstorm Wind (56EG)
Lane County 4 S Amy	19	1420CST			0	0			Thunderstorm Wind (52EG)
Scott County 1 W Scott City	19	1422CST			0	0			Hail (0.75)
Finney County (GCK)Garden City Arpt	19	1502CST			0	0			Thunderstorm Wind (51EG)
Meade County 6 SSE Meade	19	1620CST			0	0			Hail (0.88)

Storm Data and Unusual Weather Phenomena

										September 2007
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm	
<u>KANSAS, Southeast</u>										
										Isolated severe weather reports were received from mid to late afternoon from Lane county south into Meade county.
Edwards County 9 SW Hodges	28	0732CST			0	0			Hail (1.00)	
Kiowa County 5 SW Greensburg	28	0750CST			0	0			Hail (0.75)	
Kiowa County 5 SSW Greensburg	28	0754CST			0	0			Hail (0.75)	
										Early morning thunderstorms produced some marginally severe hail.
Gray County 9 N Cimarron Arpt	28	1730CST			0	0			Hail (1.00)	
										The hail covered the ground.
Finney County 4 WSW Kalvesta	28	1740CST			0	0			Hail (1.75)	
Gray County 9 N Cimarron Arpt	28	1740CST			0	0			Hail (1.00)	
										The hail covered the ground.
Scott County 1 W Scott City	28	1923CST			0	0			Hail (1.75)	
Scott County 3 W Sandon	28	1925CST			0	0			Hail (1.00)	
Scott County 1 W Scott City	28	1933CST			0	0			Thunderstorm Wind (53EG)	
										Th wind gust was recorded at the KSN Weatherlab at the Scott City Middle School.
Lane County 4 SSW Healy	28	1952CST			0	0			Hail (1.00)	
Lane County Healy	28	2002CST			0	0			Hail (1.00)	
Lane County Healy	28	2045CST			0	0			Heavy Rain	
										Rain totals measured from 2.75 to 4 inches at in and near Healy.
Ness County 3 WNW Utica	28	2045CST			0	0			Thunderstorm Wind (52EG)	
										1 to 1 1/2 inch diameter tree limbs were blown down.
Trego County 16 SW Trego Center	28	2050CST			0	0			Hail (0.75)	
										Severe thunderstorms produced large hail during the evening mainly in a three county area.
Morton County 13 W Richfield	29	2045CST			0	0			Thunderstorm Wind (52EG)	
										a satellite dish got blown off of a roof.

Storm Data and Unusual Weather Phenomena

										September 2007
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage	Crops	Character of Storm	
KANSAS, Southeast										
Stanton County Johnson	29	2056CST			0	0			Thunderstorm Wind (50EG)	
Grant County 7 NNW Ulysses Arpt	29	2120CST			0	0			Thunderstorm Wind (52EG)	
Kearny County 10 S Lakin	29	2130CST			0	0			Thunderstorm Wind (56EG)	
Thunderstorms produced severe wind gusts in the late evening from the southwest corner of the state into Grant and Kearny counties.										
KENTUCKY, Central										
Jessamine County 1 NNE Wilmore	26	1520EST 1522EST			0	0	5.00K	0.00K	Thunderstorm Wind (43EG)	
An old tree was blown on to a house. A cold front set off some strong thunderstorms over parts of central Kentucky. The storms produced heavy rains, but did remain below severe limits. One old tree was blown on to a house by high winds.										
KENTUCKY, Eastern										
Floyd County Betsy Layne	26	1107EST 1111EST			0	0	15.00K	0.00K	Thunderstorm Wind (60EG)	
Numerous trees down between Stanville and Betsy Layne, mainly near Highway 460. Roof damage in Stanville allowed heavy rain to collapse building onto first floor. Building interior heavily damage by torrential rain.										
Floyd County 1 NE Betsy Layne	26	1645EST 1649EST			0	0	2.00K	0.00K	Thunderstorm Wind (53EG)	
A few pieces of siding, shingles and gutters loosened and/or blown off of homes along Mare Creek.										
Pike County 1 NW Broad Bottom	26	1648EST 1652EST			0	0	2.00K	0.00K	Thunderstorm Wind (53EG)	
A few pieces of siding, shingles and gutters loosened and/or blown off of homes along Mare Creek. A severe thunderstorm developed over portions of Flyod and Pike counties late in the afternoon of September 26, 2007. A stationary front over Western Kentucky, combined with daytime heating, allowed for the severe thunderstorm to develop. Numerous trees were reported down, along with some structural damage to homes.										
KENTUCKY, Northeast										
KYZ101>103-105	Greenup - Carter - Boyd - Lawrence									
01	0000EST				0	0	0.00K	0.00K	Drought	
30	2359EST									
Drought conditions continued, as the month averaged drier and warmer than normal. The monthly rainfall was generally from an inch to 2.5 inches.										
LOUISIANA, Northeast										
LAZ015-023-024	Richland - Franklin - Catahoula									
13	1600CST 1915CST				0	0	0.00K	0.00K	Tropical Depression	
Tropical Depression Humberto, formally a hurricane, moved into the far western portion of the area during the late afternoon of September 13th and continued to weaken as the center slowly moved east-northeast. The depression brought 25 to 30 mph wind gusts to portions of Catahoula, Franklin and Richland parishes before dissipating. No damage was reported, just a few inches of welcomed rain.										
LOUISIANA, Southeast										
Livingston Parish Denham Spgs	03	1530CST			0	0	10.00K	0.00K	Lightning	
A lightning strike caused a fire that damaged twelve apartments in an apartment building. Isolated thunderstorms developed in an unstable atmosphere.										

Storm Data and Unusual Weather Phenomena

September 2007

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

Orleans Parish

15 ENE New Orleans	11	1045CST 1047CST			0	0	0.00K	0.00K	Funnel Cloud
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A funnel cloud was observed near the Twin Span bridge.
Scattered strong thunderstorms developed in a moist and unstable atmosphere.

LOUISIANA, Southwest

LAZ051

Cameron

	13	0230CST 0530CST			0	0	50.00K	0.00K	Tropical Storm
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Vermilion Parish

1 WNW Haire	13	0320CST	0.25	25	0	0	25.00K	0.00K	Tornado (EF1)
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A tornado briefly touched down one mile northwest of Mulvey. The roof was blown off of one home and downed trees and power lines.

LAZ030-041

Beauregard - Calcasieu

	13	0600CST 0700CST			0	0	200.00K	0.00K	Hurricane
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LAZ027

Vernon

	13	0830CST 1030CST			0	0	50.00K	0.00K	Tropical Storm
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Beauregard Parish

Singer De Ridder	13	0849CST 1100CST			0	0	50.00K	0.00K	Flash Flood
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After 5 to 7 inches of rain, Highway 110 between Merryville and Singer was closed due to high water. Several roads in and around DeRidder were also closed due to high water.

LAZ028-031

Allen - Rapides

	13	0900CST 1400CST			0	0	75.00K	0.00K	Tropical Storm
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Hurricane Humberto made landfall in southeast Texas, and moved into southwest Louisiana the morning of 9/13/07. Humberto was weakening to a tropical storm as it moved northeast across southwest Louisiana. Minor wind damage such as trees and power lines downed was observed in western Calcasieu, western Cameron, Beauregard, Allen, Vernon, and Rapides Parishes. An isolated tornado in an outer rainband occurred in Vermilion Parish, damaging one home, but producing no injuries. Rain totals of 5 to 7 inches were recorded in parts of Beauregard and Vernon Parishes, with amounts of 3 to 5 inches common elsewhere.

MAINE, North

Hancock County

Castine	26	1904EST			0	0			Thunderstorm Wind (82EG)
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A microburst in the Castine area produced estimated wind gusts of 85 to 95 mph. Numerous large trees across the town were uprooted or snapped by the winds...with significant damage also reported to power lines and utility poles. Several structures and five vehicles were damaged when trees were toppled on to them. Many roads across the town were blocked for a time immediately after the storm due to the large number of fallen trees and power lines. On the campus of the Maine Maritime Academy several buildings sustained roof damage and broken windows...with damage also reported to bleachers at the football field. It was estimated that storm clean up across town could take several weeks.

Hancock County

Brooksville	26	1909EST			0	0			Thunderstorm Wind (70EG)
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Numerous trees were uprooted or snapped by wind gusts estimated at between 70 and 80 mph...blocking some roads.

Hancock County

4 N Sedgwick	26	1915EST			0	0			Thunderstorm Wind (52EG)
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Numerous trees were uprooted or snapped at Sedgwick Ridge by wind gusts estimated at 60 mph...blocking some roads.

Hancock County

Blue Hill	26	1915EST			0	0			Thunderstorm Wind (61EG)
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Numerous trees were uprooted or snapped by wind gusts estimated at up to 70 mph...blocking some roads.

Storm Data and Unusual Weather Phenomena

September 2007

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

A severe thunderstorm tracking across Hancock county during the evening hours produced a non-continuous swath of wind damage over a roughly two mile wide path from Castine to near Blue Hill...a distance of 10 to 15 miles. The most extensive damage was reported near Castine where a microburst produced estimated wind gusts of 85 to 95 mph. Other pockets of enhanced wind damage occurred along the path of the storm with wind gusts estimated at 70 to 75 mph. The winds caused extensive tree damage and some structural damage along the storm path.

MAINE, South

Androscoggin County

Turner

26	1728EST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
	1732EST								

A severe thunderstorm downed a tree and several 3 inch branches on Cobb Road. A trained spotter estimated gusts of 55 mph just north of Turner.

Kennebec County

North Monmouth

26	1743EST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
	1747EST								

A severe thunderstorm downed trees in North Monmouth.

Kennebec County

Augusta

26	1755EST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
	1758EST								

A severe thunderstorm downed trees in Augusta. The storm also produced pea size hail.

Kennebec County

Windsor

26	1809EST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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A severe thunderstorm downed a tree on an unoccupied car.

Waldo County

Palermo

26	1814EST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
	1819EST								

A severe thunderstorm downed trees in Palermo.

Knox County

1 N Washington

26	1830EST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
	1833EST								

A severe thunderstorm downed trees around a mile north of Washington at the intersection of Routes 220 and 105.

Waldo County

Liberty

26	1830EST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
	1834EST								

A severe thunderstorm downed trees in Liberty.

Waldo County

Montville

26	1835EST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
	1838EST								

A severe thunderstorm downed trees in Montville.

Waldo County

Searsmont

26	1839EST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
	1843EST								

A severe thunderstorm downed a large branch on a truck.

Waldo County

Searsmont

26	1842EST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
	1848EST								

A severe thunderstorm downed trees in Searsmont.

Waldo County

4 NW Lincolnville

26	1843EST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
	1847EST								

A severe thunderstorm downed trees 4 miles northwest of Lincolnville.

Waldo County

Belfast

26	1848EST				0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
	1853EST								

A severe thunderstorm downed trees in Belfast.

Storm Data and Unusual Weather Phenomena

										September 2007
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured		Estimated Damage Property	Crops	Character of Storm	
MAINE, South										
Waldo County Northport	26	1854EST 1859EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)	
		A severe thunderstorm downed trees in Northport. On the evening of Wednesday, the 26th, several severe thunderstorms moved through central and midcoast Maine resulting in numerous reports of wind damage.								
York County Shapleigh	27	0713EST 0716EST			0	0	0.00K	0.00K	Hail (0.75)	
		A severe thunderstorm produced .75 inch hail in Shapleigh.								
York County 6 W Biddeford	27	0725EST 0730EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)	
		A severe thunderstorm downed trees in Lyman with one landing on a house.								
York County Alfred	27	0730EST 0733EST			0	0	0.00K	0.00K	Hail (0.75)	
		A severe thunderstorm produced .75 inch hail in Alfred.								
York County Alfred	27	0730EST 0734EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)	
		A severe thunderstorm downed trees in Alfred.								
York County 6 NW Biddeford	27	0732EST 0736EST			0	0	0.00K	0.00K	Hail (0.88)	
		A severe thunderstorm produced .88 inch hail 6 miles northwest of Biddeford.								
York County Wells	27	0930EST 0934EST			0	0	0.00K	0.00K	Hail (0.75)	
		A severe thunderstorm produced .75 inch hail in Wells.								
Lincoln County 1 WNW Christmas Cove	27	1045EST			0	0	100.00K	0.00K	Lightning	
		Lightning ignited a smoky fire in an ocean-front home in South Bristol. The fire struck some nearby trees and apparently entered the home through the electrical system. The fire smoldered for several hours before it was discovered. Damage is estimated at \$100,000.								
Androscoggin County Sabattus	27	1215EST			0	0	20.00K	0.00K	Lightning	
		Lightning struck an old abandoned house that was being used for storage and buned it to the ground.								
Franklin County Strong	27	1725EST 1729EST			0	0	0.00K	0.00K	Hail (0.88)	
		A severe thunderstorm produced .88 inch hail in Strong. Severe thunderstorms developed in southeast New Hampshire and quickly moved into southwestern Maine on the morning of the 27th producing large hail and damaging winds. Lightning struck an abandoned house being used for storage in Sabattus during the early afternoon and burned it to the ground. An isolated severe thunderstorm also affected Franklin County in northern Maine in the evening.								
MARYLAND, Central										
Washington County Funkstown Hagerstown	26	1700EST 1705EST			0	0	25.00K	0.00K	Thunderstorm Wind (50EG)	
		Newspaper clippings reported trees and power lines down in Hagerstown, MD. A tree fell across Bester Street, damaging a house and crushing a pickup truck.								
Washington County Hagerstown	26	1930EST			0	0	25.00K	0.00K	Lightning	
		Newspaper clippings reported an office building fire that was caused by a lightning strike. The building that housed 10 offices is salvagable, but there was significant damage to the top floor and roof and smoke and water damage on the lower floors.								

Storm Data and Unusual Weather Phenomena

September 2007

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

Unseasonably warm high pressure build over the Mid Atlantic ahead of a strong cold front. Scattered thunderstorms developed across western Maryland during the afternoon of September 26th in this warm and unstable air mass. A storm in Washington County produced damaging winds that downed trees and power lines. Lightning was also responsible for an office building fire.

Allegany County Cresaptown

27	1455EST 1500EST			0	0	0.00K	0.00K	Hail (0.88)
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A Trained Spotter reported nickel size hail in Cresaptown, MD.

Frederick County Thurmont

27	1750EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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Frederick County Fire and Rescue Department reported a tree down in Thurmont, MD.

An unseasonably warm area of high pressure built across the Mid Atlantic in late September. A cold front moved across the region on September 27, triggering numerous showers and thunderstorms across western and central Maryland. Some of these storms became severe, producing damaging winds and large hail.

MARYLAND, Northeast

MDZ008-012-015- 019-020

Cecil - Kent - Queen Anne's - Talbot - Caroline

01	0000EST			0	0	0.00K	0.00K	Drought
30	2359EST							

Unseasonably dry weather in September continued to take its toll on non-irrigated crops across the Maryland Eastern Shore. For the state of Maryland, it was the 3rd driest September on record dating back to 1895. Along the Eastern Shore, except for Talbot County, on a county weighted average, September rainfall was less than 75 percent of normal. County weighted monthly rainfall totals ranged 0.4 inches in Cecil County to 1.0 inch in Talbot County. Normal is about 3.6 inches.

The crop damage was already done. On August 22nd, the United States Department of Agriculture declared the entire state a drought disaster area. This made farmers eligible for low interest loans. The corn harvest was expected to be about 40 percent below the level of 2006. About 20 million less bushels were expected to be harvested. The soybean harvest was expected to be about 34 percent below the level of 2006. Farms with sandy soil were hit the hardest by the drought. The dry weather also caused field fires as combines sparked blazes as they were harvesting the crops. One corn field fire consumed five acres. This was the worst agricultural drought since 2002. The drought was also starting to affect streams and groundwater supplies as they were both below normal. One of the few benefits of the dry weather was that it reduced powdery mildew problems on pumpkins and there were no muddy field problems.

Actual monthly precipitation totals included 0.35 inches at the Baltimore-Washington International Airport. Normal is 3.98 inches. In Salisbury (Wicomico County), the monthly precipitation total was 1.49 inches. Normal is 3.73 inches. At the New Castle County Airport (Delaware), the monthly precipitation total was 0.49 inches, 4th driest on record. Normal is 4.01 inches.

MASSACHUSETTS, Central and East

Worcester County Templeton

08	1535EST			0	0	35.00K	0.00K	Thunderstorm Wind (50EG)
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Thunderstorm winds brought down large trees in Otter River State Forest.

Middlesex County Ashby

08	1540EST			0	0	25.00K	0.00K	Thunderstorm Wind (50EG)
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Thunderstorm winds brought down large limbs and wires.

Worcester County Ashburnham

08	1543EST			0	0	8.00K	0.00K	Thunderstorm Wind (50EG)
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Large limbs were brought down by thunderstorm winds.

Worcester County 1 SW Athol

08	1545EST			0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
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Large limbs were blown down by thunderstorm winds.

Worcester County 1 W Barre

08	1615EST			0	0	25.00K	0.00K	Thunderstorm Wind (50EG)
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Trees were blown down on power lines.

Storm Data and Unusual Weather Phenomena

September 2007

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

Worcester County

1 W Whalom 08 1624EST 0 0 10.00K 0.00K Lightning

Lightning struck a garage and ignited a fire.

Middlesex County

1 SE North Woburn 08 1650EST 0 0 12.00K 0.00K Lightning

Wires were reported down due to a lightning strike.

Essex County

1 SE Hawthorne 08 1708EST 0 0 10.00K 0.00K Thunderstorm Wind (50EG)

Large limbs were blown down on Conant and Grapevine Streets.

Essex County

1 SE Hawthorne 08 1710EST 0 0 8.00K 0.00K Thunderstorm Wind (50EG)

Large limbs were blown down on wires.

Essex County

1 SW Prides Crossing 08 1712EST 0 0 10.00K 0.00K Thunderstorm Wind (50EG)

Trees were blown down on wires on Brimbull Avenue.

Essex County

Gloucester 08 1722EST 0 0 5.00K 0.00K Lightning

A lightning strike ignited a brush fire.

Record setting temperatures in the mid 90s combined with a cold front dropping into northern New England to produce scattered thunderstorms in northern Massachusetts. Isolated severe thunderstorms with damaging winds moved through sections of Worcester, Middlesex, and Essex Counties during the late afternoon and early evening.

MASSACHUSETTS, West

Berkshire County

1 SW North Adams 09 1625EST
1628EST 0 0 180.00K 0.00K Thunderstorm Wind (87EG)

A National Weather Service Storm Survey Team found straight line wind damage in North Adams. Most of the damage was confined to a one half mile, by two block area on the campus of the Massachusetts College of Liberal Arts.

Significant roof damage occurred to three college dormitories, mostly from tin flashing that was torn off due to the strong winds. In addition, several trees and large tree limbs were also downed, one of which smashed a car in the parking lot near the alumni office on Montana Street. Approximately 400 students were evacuated due to the damage.

The damage was consistent with maximum wind speeds of near 100 MPH.

A nearly stationary boundary was located across southeast New York and southwest New England during Sunday September 9th. A wave of low pressure then developed over the southern Great Lakes, and traveled east along this boundary, leading to the development of numerous showers and thunderstorms during Sunday afternoon across portions of eastern New York and western New England, a few of which became locally severe.

Berkshire County

North Adams 11 1143EST
1400EST 0 0 0.00K 0.00K Flood

Persistent moderate to heavy rainfall led to isolated flooding in portions of Berkshire County during the late morning and early afternoon hours of Tuesday September 11th. Flooding closed a portion of Massachusetts Route 2 in the town of Florida from 1143 LST to 1400 LST. In addition, several roads were closed in and around North Adams due to high water, including a portion of River Street, from Houghton Street to Brown Street, as well as a portion of Beaver Street and Mohawk Forest Boulevard. North Adams City firefighters also pumped water out of several private residences on Pleasant Street and State Road.

A low pressure system developed along a nearly stationary front across the Ohio Valley on Monday September 10th, and traveled east, moving across southeast New York and southern New England during Tuesday September 11th.

As this low approached, an area of moderate to heavy rainfall occurred, which led to localized flooding in portions of western Massachusetts during the early afternoon hours.

Storm Data and Unusual Weather Phenomena

September 2007

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

St. Clair County Marysville

11 1700EST 0 0 0.00K 0.00K Thunderstorm Wind (50EG)

A trained spotter reported large limbs down.

Huron County 3 NE Elkton

11 1721EST 0 0 0.00K 0.00K Hail (0.75)

A trained spotter reported hailstones of dime to penny size.

Thunderstorms developed ahead of an approaching cold front and a couple of them became severe during the late afternoon. This was a very small event, producing only a couple of marginal severe weather reports across the thumb region.

Shiawassee County 5 NW Vernon

25 1821EST 0 0 0.00K 0.00K Thunderstorm Wind (55EG)

Trained spotters reported two trees down across M-13 in Lennon.

Genesee County 1 S Flushing

25 1831EST 0 0 25.00K 0.00K Thunderstorm Wind (70EG)

A National Weather Service storm survey revealed a classic downburst/straight-line wind event in Flushing. Total damage included over a dozen trees uprooted, a dozen more snapped off at the trunk, widespread large tree branches down, and one garage door blown inward. Wind speeds were estimated at 80 MPH.

Genesee County Mt Morris

25 1842EST 0 0 0.00K 0.00K Thunderstorm Wind (52EG)

A trained spotter estimated the wind gusts at 60 MPH.

Genesee County Flint

25 1847EST 0 0 0.00K 0.00K Thunderstorm Wind (52EG)

A trained spotter reported several trees down.

Genesee County Genesee

25 1849EST 0 0 0.00K 0.00K Thunderstorm Wind (52EG)

A trained spotter estimated the wind gusts at 60 MPH.

Sanilac County 4 NE Deckerville

25 1855EST 0 0 0.00K 0.00K Thunderstorm Wind (52EG)

A trained spotter reported a small tree down.

This event was mostly a marginally severe wind event with one significant wind event covering a two block area in Flushing. The wind gusts in Flushing were estimated at speeds of 80 MPH. Numerous trees were blown down with only minor property damage reported.

MICHIGAN, North

MIZ008-015

Chippewa - Mackinac - Emmet - Cheboygan

01 0000EST 0 0 0.00K 0.00K Drought
10 2359EST

Drought conditions (severe, or D2) carried over from August in Eastern Upper Michigan and far Northern Lower Michigan. Several rain events eased the drought by mid-month. The area received half an inch to an inch of rain on September 3-4, again on the 7th, and again on the 11th.

MIZ019

Charlevoix

01 0000EST 0 0 0.00K 0.00K Drought
03 2359EST

Drought conditions (severe, or D2), which carried over from August, eased thanks to wet weather early in the month. Charlevoix County was removed from severe drought when around an inch of rain fell from the 3rd into the 4th.

MICHIGAN, Upper

Houghton County Calumet

04 0710EST 0 0 0.00K 0.00K Hail (0.75)

One-half to three-quarter inch diameter hail reported.

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MICHIGAN, Upper									
Ontonagon County 2 NE Ontonagon	04	0908EST 0909EST			0	0	0.00K	0.00K	Hail (0.88)
Gogebic County Wakefield	04	1045CST 1046CST			0	0	1.00K	0.00K	Thunderstorm Wind (50EG)
		Top half of an eight to ten-foot tall tree knocked over with four inch diameter branches on a few vehicles. Brief power outage occurred.							
		Severe thunderstorms produced damaging wind and large hail over portions of western Upper Michigan on the morning of the 4th.							
MIZ006 Alger	19	1040EST			0	0	0.00K	0.00K	High Wind
		A low pressure system moving across Lake Superior produced gusty winds to 58 mph at the Grand Marais breakwall on the 19th.							
Houghton County 5 SW Houghton	21	1125EST			0	0	0.00K	0.00K	Hail (0.75)
Gogebic County (IWD)Ironwood Arpt	21	1623CST 1624CST			0	0	0.00K	0.00K	Thunderstorm Wind (61MG)
		Measured wind gust at the Ironwood AWOS.							
Gogebic County Watersmeet	21	1640CST 1642CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
		Several trees down.							
Iron County 10 NW Iron River	21	1650CST 1652CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
		Several trees down.							
Ontonagon County 4 W Silver City	21	1745EST 1747EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
		Several trees down along Highway M-107.							
Houghton County 2 NW Twin Lakes	21	1827EST 1829EST			0	0	3.00K	0.00K	Thunderstorm Wind (61EG)
		Several 100-foot tall trees knocked down.							
Ontonagon County 2 E Ewen	21	1827EST 1829EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
		Tree limbs down.							
Houghton County 1 S Twin Lakes	21	1833EST 1835EST			0	0	2.00K	0.00K	Thunderstorm Wind (60EG)
		Fallen tree limbs knocked down power lines.							
Houghton County Jacobsville	21	1850EST 1852EST			0	0	1.00K	0.00K	Thunderstorm Wind (55EG)
		Five nine-inch diameter trees blown down.							
		Severe thunderstorms produced damaging wind and large hail over western Upper Michigan on the 21st.							
MICHIGAN, West									
Montcalm County 1 E Carson City	25	1602EST			0	0	10.00K	0.00K	Thunderstorm Wind (50EG)
		Numerous trees and power lines down by wind gusts estimated at 58 mph.							
Gratiot County 3 WNW Brice	25	1615EST			0	0	5.00K	0.00K	Thunderstorm Wind (50EG)

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MICHIGAN, West

Two six to eight inch diameter trees were blown down by wind gusts estimated at 58 mph.

Clinton County 4 NNW Eagle

25 1710EST 0 0 0.00K Thunderstorm Wind (50EG)

One tree was blown down by a wind gust estimated at 58 mph.

Allegan County 1 SE Holland

25 1713EST 0 0 0.00K 0.00K Thunderstorm Wind (55MG)

A 55 knot wind gust was recorded at the Holland ASOS site.

Clinton County 2 SSE Westphalia

25 1715EST 0 0 0.00K Thunderstorm Wind (50EG)

One tree was blown down by estimated wind gusts of 58 mph.

Ottawa County 1 SW Waverly

25 1715EST 0 0 0.00K Thunderstorm Wind (52EG)

Small tree limbs were blown down in North Holland at the intersection of 144th and Butternut.

Ottawa County 1 E East Allendale

25 1718EST 0 0 0.00K 0.00K Thunderstorm Wind (60MG)

A 60 knot measured wind gust was recorded by Grand Valley State University weather station.

Ottawa County 1 W Coopersville Arpt

25 1720EST 0 0 0.00K 0.00K Thunderstorm Wind (52MG)

A 52 knot measured wind gust was recorded at the pilot country landing strip.

Allegan County 1 W Plainwell

25 1735EST 0 0 0.00K 0.00K Hail (0.75)

A trained spotter reported dime to penny size hail .

Kent County 1 SE Grand Rapids

25 1750EST 0 0 0.00K 0.00K Thunderstorm Wind (50MG)

A 58 mph measured wind gust was recorded at the Grand Rapids ASOS site.

Ionia County 1 NE Clarksville

25 1805EST 0 0 5.00K 0.00K Thunderstorm Wind (50EG)

Several trees were blown down by thunderstorm wind gusts of around 58 mph over the southwest section of Ionia county.

Several trees and power lines were blown down across portions of west central lower Michigan.

Allegan County 1 W Glenn

27 1825EST 0 0 3.00K 0.00K Thunderstorm Wind (52EG)

A tree and power line was blown down near Blue Star Highway and 114th Street.

Allegan County 3 SE Castle Park

27 1825EST 0 0 3.00K 0.00K Thunderstorm Wind (52EG)

A tree and power line was blown down near 140th avenue and 65th streets.

Law enforcement from Allegan county reported that an isolated severe thunderstorm brought down power lines and two trees from Glenn to five miles southwest of Holland.

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MINNESOTA, Central and South Central

Stearns County Sauk Centre	10	1211CST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG)
									Twenty foot by sixty foot silo blown over onto barn.
Wright County Cokato	13	0740CST			0	0	0.00K	0.00K	Hail (0.88)
Sherburne County Big Lake	13	0747CST			0	0	0.00K	0.00K	Hail (0.75)
Wright County Cokato	13	0755CST			0	0	0.00K	0.00K	Hail (0.75)
Hennepin County Richfield	13	0920CST			0	0	0.00K	0.00K	Hail (0.75)
Goodhue County Zumbrota	13	1137CST			0	0	0.00K	0.00K	Hail (0.88)
									An upper level trough was the impetus for widely scattered severe weather across the region.
Morrison County Upsala	17	2030CST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG)
									Multiple trees down across from Upsala high school. One tree with a diameter of 20-24 inches toppled.
Morrison County Upsala	17	2030CST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG)
									Damage occurred at Upsala High School. Roof vent blown off, power outage, 12 by 4 foot plexiglass sheet ripped off greenhouse. Metal gate pulled loose. A warm frontal boundary was the catalyst for isolated severe weather over West Central Minnesota.
Wright County Monticello	20	0718CST			0	0	0.00K	0.00K	Hail (0.75)
Yellow Medicine County Burr	20	0722CST			0	0	0.00K	0.00K	Hail (1.00)
Lac Qui Parle County 2 N Dawson	20	0745CST			0	0	0.00K	0.00K	Hail (2.00)
Lac Qui Parle County Dawson	20	0755CST			0	0	0.00K	0.00K	Hail (2.00)
Chippewa County 1 NE Watson	20	0820CST			0	0	0.00K	0.00K	Thunderstorm Wind (54EG)
									Large tree reported downed.
Stearns County Sauk Centre	20	0942CST 1230CST			0	0	0.00K	0.00K	Flash Flood
									Roads were barricaded around town...due to flooding.
Swift County Benson	20	0942CST			0	0	0.00K	0.00K	Thunderstorm Wind (54EG)
									Two trees down in town. One blocking a street.
Stearns County Brooten	20	1035CST			0	0	0.00K	0.00K	Hail (0.88)
									Relayed via ham radio.

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MINNESOTA, Central and South Central									
Kandiyohi County									
7 WSW Regal	20	1054CST			0	0	0.00K	0.00K	Hail (0.88)
									Relayed via ham radio.
Stearns County									
Melrose	20	1102CST			0	0	0.00K	0.00K	Hail (0.75)
									Hailstone was 0.8 inches in diameter.
Stearns County									
Sauk Centre	20	1141CST			0	0	0.00K	0.00K	Hail (0.75)
Pope County									
Starbuck	20	1145CST			0	0	0.00K	0.00K	Hail (1.00)
Sherburne County									
2 NW Cable	20	1207CST			0	0	0.00K	0.00K	Hail (1.00)
Sherburne County									
1 NW Cable	20	1208CST			0	0	0.00K	0.00K	Hail (1.00)
Stearns County									
St Cloud	20	1210CST			0	0	0.00K	0.00K	Hail (0.88)
Stearns County									
St Cloud	20	1210CST 1211CST			0	0	0.00K	0.00K	Hail (0.88)
									Hail occurred at County roads 15 and 23.
Stearns County									
Sauk Centre	20	1225CST			0	0	0.00K	0.00K	Hail (0.75)
Benton County									
Sauk Rapids	20	1243CST			0	0	0.00K	0.00K	Thunderstorm Wind (55EG)
									Several shingles stripped off residential roof.
Stearns County									
4 N Sartell	20	1245CST			0	0	0.00K	0.00K	Thunderstorm Wind (54EG)
									Ten to twelve inch diameter trees felled. Four to six inch branches severed.
Sherburne County									
Zimmerman	20	1249CST			0	0	0.00K	0.00K	Hail (0.75)
Stearns County									
Sartell	20	1259CST			0	0	0.00K	0.00K	Thunderstorm Wind (54EG)
									One and one half foot to 2 foot diameter tree down at County road 1 and Heritage Drive.
Benton County									
Sauk Rapids	20	1345CST			0	0	0.00K	0.00K	Thunderstorm Wind (56EG)
									Portions of a fence near Golden Spike Raceway were damaged by winds.
Stearns County									
St Stephen	20	1357CST			0	0	0.00K	0.00K	Thunderstorm Wind (55EG)
									Twenty inch tree down.
Stearns County									
Avon	20	1358CST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG)

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<u>MINNESOTA, Central and South Central</u>									
									Two large branches toppled onto vehicles. Three power poles snapped. A TV antenna blown over.
Stearns County Sartell	20	1359CST			0	0	0.00K	0.00K	Thunderstorm Wind (55EG)
									Multiple one and a half to 2 foot trees down along with many branches. The worst area for downed trees and branches occurred along Riverside Avenue North.
Stearns County Sartell	20	1404CST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG)
									Thirty by four foot section of Abbott Northwest Hospital roof blown off.
Mille Lacs County 6 NE Milaca	20	1500CST			0	0	0.00K	0.00K	Thunderstorm Wind (56EG)
									Fourteen inch diameter tree snapped off. Tops of other large trees reported bent over.
Mille Lacs County 5 NE Milaca	20	1500CST			0	0	0.00K	0.00K	Thunderstorm Wind (56EG)
									Approximately twenty trees 8 to 12 inches in diameter snapped off.
Stearns County 2 N Sauk Centre	20	1510CST 1830CST			0	0	0.00K	0.00K	Flash Flood
									Four and 85 hundredths inches of rain fell from 0900 LST. Spotter reports one foot deep of water in town at railroad crossing.
Isanti County Isanti	20	1510CST			0	0	0.00K	0.00K	Thunderstorm Wind (54EG)
									Twenty inch diameter tree down across road.
Kanabec County Mora	20	1515CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
									Large pine trees down.
Kanabec County Mora	20	1515CST			0	0	0.00K	0.00K	Thunderstorm Wind (56EG)
									Many trees down in city. Some 18 inches in diameter. Minor structural damage to several homes.
Meeker County Litchfield	20	1518CST			0	0	0.00K	0.00K	Thunderstorm Wind (55EG)
									Trees shredded.
Meeker County Litchfield	20	1523CST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG)
									Twenty two inch diameter trees felled.
Meeker County Litchfield	20	1525CST			0	0	0.00K	0.00K	Hail (0.88)
Meeker County Litchfield	20	1530CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
									Tree toppled on mobile home in the North side of Litchfield.
Meeker County Litchfield	20	1533CST			0	0	0.00K	0.00K	Hail (1.75)

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MINNESOTA, Central and South Central

McLeod County

4 NE Hutchinson

20

1535CST

0

0

0.00K

0.00K

Thunderstorm Wind (60EG)

Roof blown off a home.

Meeker County

1 N Dassel

20

1536CST

0

0

0.00K

0.00K

Hail (0.88)

Meeker County

Dassel

20

1548CST

0

0

0.00K

0.00K

Thunderstorm Wind (50EG)

Trees toppled.

Wright County

Cokato

20

1554CST

0

0

0.00K

0.00K

Hail (0.75)

Wright County

Montrose

20

1605CST

0

0

0.00K

0.00K

Hail (0.75)

Wright County

Waverly

20

1605CST

0

0

0.00K

0.00K

Hail (1.75)

Carver County

Watertown

20

1606CST

0

0

0.00K

0.00K

Hail (1.75)

Hennepin County

Bloomington

20

1608CST
1910CST

0

0

0.00K

0.00K

Flash Flood

Six to 12 inches of water across roadway at 83rd St. South and Penn Ave.

Wright County

2 N Montrose

20

1610CST

0

0

0.00K

0.00K

Hail (1.75)

Wright County

Buffalo

20

1610CST

0

0

0.00K

0.00K

Thunderstorm Wind (54EG)

Large tree toppled across the street from Buffalo hospital. Information provided by the Wright County Journal Press.

Wright County

2 SW Buffalo

20

1612CST

0

0

0.00K

0.00K

Hail (1.00)

Wright County

Buffalo

20

1615CST

0

0

0.00K

0.00K

Hail (1.00)

Wright County

Delano

20

1617CST

0

0

0.00K

0.00K

Hail (0.88)

Hennepin County

Plymouth

20

1620CST

0

0

0.00K

0.00K

Hail (0.88)

Hennepin County

Maple Plain

20

1622CST

0

0

0.00K

0.00K

Hail (0.88)

Wright County

Buffalo

20

1623CST

0

0

0.00K

0.00K

Hail (1.00)

Hennepin County

2 WSW Greenwood

20

1627CST

0

0

0.00K

0.00K

Hail (0.75)

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MINNESOTA, Central and South Central										
Hennepin County Loretto	20	1627CST			0	0	0.00K	0.00K	Hail (0.75)	
Meeker County Litchfield	20	1631CST 1745CST			0	0	0.00K	0.00K	Heavy Rain	
Street flooding reported in the city.										
Carver County Watertown	20	1634CST			0	0	0.00K	0.00K	Thunderstorm Wind (55EG)	
Trees toppled just north of town, with 4 to 6 inch branches down in the city.										
Hennepin County Plymouth	20	1638CST			0	0	0.00K	0.00K	Hail (0.88)	
Hennepin County Minneapolis	20	1648CST			0	0	0.00K	0.00K	Hail (0.75)	
Occurred at Franklin and Lyndale.										
Hennepin County New Hope	20	1650CST			0	0	0.00K	0.00K	Hail (0.75)	
Hennepin County Golden Vly	20	1650CST			0	0	0.00K	0.00K	Hail (1.00)	
Hennepin County Golden Vly	20	1650CST			0	0	0.00K	0.00K	Thunderstorm Wind (54EG)	
Trees down...power out for several hours in the area.										
Hennepin County Bloomington	20	1651CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)	
Three to six inch branches severed.										
Kanabec County 3 N Ogilvie	20	1700CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)	
Trees toppled.										
Washington County Newport	20	1702CST			0	0	0.00K	0.00K	Funnel Cloud	
Occurred near Wakota bridge.										
Washington County Newport	20	1702CST			0	0	0.00K	0.00K	Funnel Cloud	
Funnel spotted near Wakota bridge.										
Ramsey County New Brighton	20	1702CST			0	0	0.00K	0.00K	Hail (0.75)	
Dakota County Inver Grove Heights	20	1714CST			0	0	0.00K	0.00K	Funnel Cloud	
Occurred at Southview Blvd and Highway 52.										
Hennepin County Minneapolis	20	1714CST			0	0	0.00K	0.00K	Hail (0.88)	
Hail occurred at intersection of I-35W and 35th street South.										
Dakota County Eagan	20	1718CST			0	0	0.00K	0.00K	Funnel Cloud	

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MINNESOTA, Central and South Central

Occurred near I-35E and Yankee Doodle Road.

Hennepin County Brooklyn Park	20	1720CST			0	0	0.00K	0.00K	Hail (0.75)
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Washington County Woodbury	20	1720CST			0	0	0.00K	0.00K	Hail (1.50)
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Hail occurred at I-494 and Tamarack road.

Wright County 2 S St Michael	20	1720CST			0	0	0.00K	0.00K	Hail (0.75)
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Hennepin County Maple Plain	20	1722CST			0	0	0.00K	0.00K	Hail (0.88)
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Dakota County Inver Grove Heights	20	1725CST			0	0	0.00K	0.00K	Funnel Cloud
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At Highways 13 and 52.

Anoka County Blaine	20	1725CST			0	0	0.00K	0.00K	Hail (0.75)
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Hennepin County Rogers	20	1725CST 1730CST			0	0	0.00K	0.00K	Hail (1.00)
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Dime size hail also fell during this time period.

Hennepin County 1 NW Corcoran	20	1725CST			0	0	0.00K	0.00K	Hail (0.75)
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Hail occurred in Hanover.

Hennepin County Rogers	20	1726CST			0	0	0.00K	0.00K	Hail (0.88)
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Occurred at intersection of 494 and 101.

Hennepin County 2 NW Rogers	20	1728CST			0	0	0.00K	0.00K	Hail (0.88)
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Occurred along I-94.

Wright County St Michael	20	1729CST			0	0	0.00K	0.00K	Hail (0.75)
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Washington County Woodbury	20	1730CST 1731CST	0.4	50	0	0	0.00K	0.00K	Tornado (EF0)
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An National Weather Service storm survey confirmed an EF-0 tornado touched down in the Southwestern portion of Woodbury along Bailey road.

It dissipated when it reached Woodlane drive. The tornado caused damage to multiple townhouses, trees, and road signs.

Ramsey County St Paul	20	1732CST 2100CST			0	0	0.00K	0.00K	Flash Flood
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Six to 12 inches water on University Ave. between Snelling and Rice.

Dakota County Hastings	20	1734CST			0	0	0.00K	0.00K	Funnel Cloud
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At intersection of County Roads 61 and 10.

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MINNESOTA, Central and South Central

Washington County

Woodbury

20 1735CST 0 0 0.00K 0.00K Thunderstorm Wind (60EG)

Twenty five foot spruce tree down. Ten inch tree limbs severed. Street signs down.

Hennepin County

1 S South Minneapolis

20 1737CST
2100CST 0 0 0.00K 0.00K Flash Flood

Storm sewer geyser at E River Road and Pillsbury Road of 10 to 25 feet.

Hennepin County

Richfield

20 1737CST
2050CST 0 0 0.00K 0.00K Flash Flood

Two feet of standing water reported at intersection of 66th and Portland. Two stalled calls also reported.

Hennepin County

Bloomington

20 1738CST
1845CST 0 0 0.00K 0.00K Heavy Rain

Four inches of running water at Stillwater road and I-494.

Anoka County

Anoka

20 1740CST 0 0 0.00K 0.00K Hail (1.00)

Stearns County

St Cloud

20 1740CST 0 0 0.00K 0.00K Thunderstorm Wind (52EG)

Six inch tree toppled.

Ramsey County

St Paul

20 1742CST 0 0 0.00K 0.00K Hail (0.75)

Sherburne County

Becker

20 1745CST 0 0 0.00K 0.00K Hail (1.00)

Anoka County

Coon Rapids

20 1800CST 0 0 0.00K 0.00K Hail (0.88)

Occurred at Hwy 10 and Main street.

Mille Lacs County

Milaca

20 1800CST 0 0 0.00K 0.00K Thunderstorm Wind (55EG)

Trees down across road.

Anoka County

Coon Rapids

20 1803CST 0 0 0.00K 0.00K Hail (1.00)

Anoka County

Blaine

20 1811CST 0 0 0.00K 0.00K Hail (1.00)

Wright County

2 W Cokato

20 1825CST 0 0 0.00K 0.00K Hail (0.75)

Todd County

Hewitt

21 0100CST 0 0 0.00K 0.00K Hail (1.00)

Nickel size hail was also reported.
Warm frontal boundary induced severe weather.

MINNESOTA, Northeast

Storm Data and Unusual Weather Phenomena

										September 2007	
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm		
MINNESOTA, Northeast											
MNZ010>012-018> 021-025>026-033			Koochiching - Northern St. Louis - Northern Cook/Northern Lake - Northern Itasca - Central St. Louis - Southern Lake - Southern Cook - Northern Cass - Southern Itasca - Southern Cass - Crow Wing - Northern Aitkin - Southern Aitkin - Southern St. Louis/Carlton - Pine								
	01 30	0000CST 2359CST			0	0	0.00K	0.00K	Drought		
	During the first two weeks of September, extreme (D3) drought conditions were reported across portions of Saint Louis, Lake, Cook, Cass, Crow Wing, and Aitkin counties. After beneficial rains during the middle and latter part of the month, these areas were upgraded to severe (D2) drought status, while the remainder of northeast Minnesota reported abnormally dry (D0) to moderate (D1) drought conditions.										
Cass County Walker	17	2015CST			0	0	0.00K	0.00K	Hail (0.88)		
	Strong to locally severe thunderstorms developed across much of northeast Minnesota during the evening hours of September 17 as a cold front pushed southeast through the region. One thunderstorm over Cass County produced large hail.										
Itasca County 1 E Grand Rapids	18	1900CST			0	0	0.00K	0.00K	Flash Flood		
	Law enforcement reported 2 to 3 feet of water over U.S. Highway 169.										
Itasca County Taconite	18	1900CST			0	0	0.00K	0.00K	Flash Flood		
	Itasca County Sheriff's Office repoorted U.S. Highway 169 under 4 to 7 inches of water in Taconite.										
	A moist and unstable air mass ahead of an approaching low pressure system produced thunderstorms and torrential rainfall that resulted in localized flooding in portions of Itasca County during the evening of September 18.										
Itasca County Coleraine	20	1335CST			0	0	0.00K	0.00K	Hail (0.75)		
St. Louis County Grand Lake	20	1500CST			0	0	0.00K	50.00K	Lightning		
	A garage in Grand Lake Township was destroyed by fire after being struck by lightning.										
St. Louis County Side Lake	20	1500CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)		
	The St. Louis County Sheriff's Office reported that winds up to 60 mph caused damage in French Township around Side Lake, with downed trees and power lines.										
Pine County 5 SSW Pine City	20	1540CST			0	0	0.00K	0.00K	Thunderstorm Wind (61EG)		
	Several 18-inch trees uprooted.										
Carlton County Esko	20	1545CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)		
	Some shingles blown off house. Small, dead trees knocked down.										
St. Louis County Zim	21	0600CST			0	0	0.00K	0.00K	Hail (0.75)		
Koochiching County Ranier	21	0710CST			0	0	0.00K	0.00K	Hail (1.00)		
	Quarter-sized hail.										
	A weather disturbance combined with deep moisture and instability to produce severe thunderstorms with damaging winds and large hail over portions of northeast Minnesota from the afternoon hours of September 20 through midday September 21.										
	One storm over Pine County brought strong straight line winds that downed numerous trees and braches. Some minor structural damage was observed in Pine City and along County Road 7 just west of town. There was also minor damage to fences, outbuildings, and two baseball fields at Pine City High School.										

Storm Data and Unusual Weather Phenomena

September 2007									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
<u>MINNESOTA, Northeast</u>									
Aitkin County									
Palisade	24	1500CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
Estimated wind gusts to 60 mph. A strong cold front pushed through northeast Minnesota during the late afternoon and evening of September 24. A line of strong thunderstorms formed ahead of and along the front. One storm in Aitkin County contained wind gusts near 60 mph.									
<u>MINNESOTA, Northwest</u>									
MNZ031-040									
East Otter Tail - Wadena - Grant									
01		0000CST			0	0	0.00K	0.00K	Drought
30		0600CST							
Dry conditions continued over portions of west central Minnesota throughout the month of September. Wadena and eastern Otter Tail Counties remained in a D2 (severe) drought designation the entire month. The U.S. Drought Monitor even included a small strip of southern Wadena and eastern Otter Tail Counties in a D3 (extreme) drought designation from September 11th through the end of the month. Grant County also started the month in a D2 (severe) drought designation and remained there until September 25th.									
MNZ006-009									
Lake of the Woods - North Beltrami									
18		0600CST			0	0	0.00K	0.00K	Drought
30		2359CST							
On September 18th, Lake of the Woods and northern Beltrami Counties were added to the D2 (severe) drought designation, where they remained through the end of the month.									
Grant County									
Barrett	20	0930CST			0	0	20.00K	0.00K	Lightning
Lightning struck an evergreen tree in Barrett, scattering pieces of the tree across several neighboring yards. As the tree fell, it broke multiple windows and damaged the concrete steps to a house. The strike also damaged the electrical systems in three nearby homes. One home lost a microwave, two televisions, and several other smaller appliances.									
Polk County									
1 SE Crookston	20	0937CST			0	0	0.00K	0.00K	Hail (0.75)
The ground was covered with hail.									
Polk County									
6 E Shirley	20	0950CST			0	0	0.00K	0.00K	Hail (0.88)
Hail covered the ground.									
Pennington County									
7 WSW St Hilaire	20	0952CST			0	0	0.00K	0.00K	Hail (1.00)
Red Lake County									
2 SW Wylie	20	0952CST			0	0	0.00K	0.00K	Hail (1.00)
Pennington County									
3 S Mavie	20	1014CST			0	0	0.00K	0.00K	Hail (0.88)
This event set up as another nice case of elevated convection. On the morning of the 20th, an area of surface low pressure was located near Mobridge, South Dakota, with a warm front arching to the southeast (down into eastern Nebraska). A 35 to 45 knot low level jet set up from central Nebraska into northeast South Dakota, where there was also a tight moisture gradient at 850 mb. Thunderstorms initially flared up near Crookston, MN, and moved northeast at 40 to 50 mph.									
Grant County									
6 W Wendell	20	2320CST			0	0	0.00K	0.00K	Hail (2.00)
Wilkin County									
2 ESE Nashua	20	2320CST			0	0	0.00K	0.00K	Hail (1.75)
Otter Tail County									
1 N Battle Lake	21	0014CST			0	0	0.00K	0.00K	Hail (0.75)
Otter Tail County									
4 NE Fergus Falls	21	0026CST			0	0	0.00K	0.00K	Hail (1.00)

Storm Data and Unusual Weather Phenomena

September 2007

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

Otter Tail County

1 SW Wrightstown 21 0049CST 0 0 0.00K 0.00K Hail (1.00)

Nickel to quarter sized hail fell.

Clay County

5 SSE Manitoba Jct 21 0100CST 0 0 0.00K 0.00K Hail (0.88)

Becker County

2 W Lake Park 21 0105CST 0 0 0.00K 0.00K Hail (0.88)

Wadena County

Verndale 21 0105CST 0 0 0.00K 0.00K Hail (0.88)

Otter Tail County

4 NE Grand View Hgts 21 0115CST 0 0 0.00K 0.00K Hail (1.00)

Quarter size hail fell intermittently for roughly one-half hour. A few 3 inch diameter branches were also broken off trees.

Clay County

Moorhead 21 0205CST 0 0 0.00K 0.00K Hail (1.50)

Clay County

Dilworth 21 0209CST 0 0 0.00K 0.00K Hail (1.75)

Quarter to golf ball sized hail fell in Dilworth.

Clay County

3 SW Moorhead Arpt 21 0210CST 0 0 0.00K 0.00K Hail (1.00)

Hubbard County

3 NE Hubbard 21 0213CST
0230CST 0 0 0.00K 0.00K Hail (1.75)

Clay County

1 SSW Moorhead 21 0217CST 0 0 10.00M 0.00K Hail (3.00)

The large hail left small 3 inch craters on lawns. Many vehicles and homes were damaged.



3.00 inch hail near Moorhead in Clay County, MN.

Becker County

7 WSW Ogema 21 0245CST 0 0 0.00K 0.00K Hail (0.75)

Storm Data and Unusual Weather Phenomena

September 2007

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
MINNESOTA, Northwest									
Mahnomen County									
3 SSW Naytahwaush	21	0245CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
Several large trees and tree branches were snapped on South Twin Lake. A fence was also damaged by falling tree branches.									
Clearwater County									
3 S Leonard	21	0402CST			0	0	0.00K	0.00K	Hail (1.00)
Beltrami County									
1 SSW Waskish	21	0550CST			0	0	0.00K	0.00K	Hail (1.50)
Lake Of The Woods County									
12 S Faunce	21	0710CST			0	0	0.00K	0.00K	Hail (0.88)
Lake Of The Woods County									
1 S Carp	21	0735CST			0	0	0.00K	0.00K	Hail (0.75)
This episode of storms dealt with 4 distinct groupings. The first group of storms began near Nashua in southeast Wilkin County (MN) and tracked to the northeast. The second began near Lake Park in western Becker County (MN) and tracked to the east-northeast. The third began near Enderlin in northern Ransom County (ND) and tracked to the east-northeast. And finally, the fourth group of storms formed near Goodridge in northeast Pennington County (MN) and tracked to the east-northeast. These storms appeared to be elevated, forming near a tight 850 mb moisture gradient and a 35 to 45 knot low level jet. This event also had upper level jet support.									
Kittson County									
1 SE Lancaster	23	2130CST			0	0	0.00K	0.00K	Thunderstorm Wind (55EG)
One large poplar tree was knocked down. A weak cold front passed into northeast North Dakota and extreme northwest Minnesota during the evening of the 23rd. A strong low level jet was located along and just to the east of the surface cold front, where 50 to 55 knots was measured in the 850-925 mb layer. Warm mid level temperatures kept most convection at bay, but in a thin area right along the boundary (from northwest of Gilby to east of Grafton, ND, to near Lancaster, MN), some weak thunderstorms mixed some of these stronger wind gusts down to the surface.									
Beltrami County									
4 SSE Puposky	28	1733CST			0	0	0.00K	0.00K	Hail (1.75)
The hail ranged in size from 0.50 to 1.75 inches. Pulse-severe thunderstorms produced a report of large hail north of Bemidji. For the most part, as these thunderstorms briefly flared up across portions of northwest Minnesota, they remained below severe criteria.									
MINNESOTA, Southeast									
Wabasha County									
5 NW Bear Vly	13	1145CST			0	0	0.00K	0.00K	Hail (0.75)
Wabasha County									
3 N Mazeppa	13	1200CST			0	0	0.00K	0.00K	Hail (0.88)
Wabasha County									
Theilman	13	1226CST			0	0	0.00K	0.00K	Hail (1.00)
A cold front moved across southeast Minnesota in the late morning and early afternoon hours on September 13th. Isolated severe thunderstorms formed along and ahead of the cold front, producing large hail across parts of Wabasha county. The public reported hail sizes ranging from penny near Bear Valley to quarters near Theilman.									
Fillmore County									
2 SE Bratsberg	21	1440CST			0	0	5.00K	5.00K	Thunderstorm Wind (52EG)
Fillmore County									
Canton	21	1450CST			0	0	0.00K	0.00K	Hail (0.88)
Strong winds also occurred, but no speed was given.									
Houston County									
2 NE Houston	21	1450CST			0	0	5.00K	0.00K	Thunderstorm Wind (54EG)
Trees and power lines were blown down.									

Storm Data and Unusual Weather Phenomena

Time	Path	Path	Number of	Estimated	September 2007
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Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm
<u>MINNESOTA, Southeast</u>									
Winona County 1 E St Charles	21	1500CST			0	0	0.80K	0.00K	Thunderstorm Wind (50EG)
									Large tree down across a road. An approaching cold front triggered a line of severe thunderstorms during the late afternoon of September 21. Storm spotters, law enforcement officials, amateur radio operators and the public reported wind gusts around 60 mph. As a result, trees and power lines were knocked down.
Dodge County 4 W Dodge Center	24	1723CST			0	0	6.00K	0.00K	Thunderstorm Wind (52EG)
									Two out-buildings and some trees were blown down and the roof of a barn was blown off. A large 10 x 10 foot dumpster was moved 50 feet. A cold front triggered a line of thunderstorms during the evening hours on September 24th. An isolated severe storm produced wind gusts up to 60 mph in Dodge County, MN but there were numerous other reports of 45 to 52 mph wind gusts across southeast Minnesota. The public reported a couple of out-buildings and some trees blown down on a farm, as well as the roof blown off a barn.
Dodge County 3 W West Concord	30	2140CST 2359CST			0	0	50.00K	0.00K	Flash Flood
									Heavy rainfall caused flooding over County Roads 24, 5, and 1. Cars stalled in flood waters and local fire department personnel had to evacuate people from nearby homes and farm, in addition to the rescue of stranded motorists. A cold front moved slowly eastward over southeast Minnesota during the late evening hours of September 30th. Thunderstorms developed along and ahead of the front, producing rainfall amounts of 3 to 5 inches in about two hours. Law enforcement officials reported localized flash flooding across the northern part of Dodge County.
<u>MINNESOTA, Southwest</u>									
Jackson County 8 SW Jackson	13	0706CST			0	0	0.00K	0.00K	Hail (0.75)
									A thunderstorm produced marginally large hail in Jackson County during the morning of September 13th.
<u>MINNESOTA, West Central</u>									
Traverse County 6 SW Charlesville	20	2255CST			0	0	0.00K	0.00K	Hail (2.75)
Traverse County 2 ESE Tintah	20	2310CST			0	0	0.00K	0.00K	Hail (2.00)
									A warm air advection elevated severe thunderstorm produced large hail up to the size of baseballs.
<u>MISSISSIPPI, Central</u>									
Adams County Natchez (HEZ)Hardy Fld Natch	13	1545CST 1555CST			0	0	7.00K	0.00K	Thunderstorm Wind (50EG)
									A few trees and power lines were blown down in and around Natchez.
Jefferson County 3 SSE Blue Hill	13	1755CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
									Several trees were blown down.
Hinds County Jackson	14	0100CST 0200CST			0	0	250.00K	0.00K	Flash Flood
									Flooding from heavy rain washed a small railroad bridge out over Muckle Creek on the north side of Jackson. Amtrak train number 29 was stopped and passengers were placed on buses to continue their trip.
Carroll County 5 NW Carrollton	14	0340CST 0450CST			0	0	10.00K	0.00K	Flash Flood
									Locally heavy rain, 4 to 6 inches, caused a portion of Highway 35 to flood.
Montgomery County Duck Hill	14	0345CST 0500CST			0	1	8.00K	0.00K	Flash Flood

Storm Data and Unusual Weather Phenomena

September 2007

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

Locally heavy rain, 4 to 6 inches, caused a portion of Myers Road to wash out. One person was injured as they drove a vehicle into the washed out road.

Webster County Eupora

14	0445CST 0500CST			0	0	5.00K	0.00K	Flash Flood
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Locally heavy rain, 4 to 6 inches, caused several streets and roads to flood around Eupora.

The remnants, of what was briefly hurricane Humberto, moved slowly east northeast across portions of Central and Northeast Mississippi. Across Southwest Mississippi, a couple of storms became severe and produced a little wind damage. The main result from the remnants of Humberto was the locally heavy rainfall that occurred. The heaviest rains fell during the early morning hours of September 14th across Carroll, Montgomery and Webster counties. These three counties received 4 to 6 inches of rain and some flash flooding occurred.

MISSISSIPPI, North

Monroe County 3 SSE Smithville

01	1530CST 1535CST			0	0	4.00K	0.00K	Thunderstorm Wind (50EG)
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Straight line winds knocked down trees and power lines on Parham Store Road at the intersection of Mount Zion Road and Parham Gin Road, 3 miles south-southeast of Smithville.

Daytime heating produced scattered showers and thunderstorms during the afternoon and evening hours of September 1, 2007 over portions of North Mississippi. Some of the thunderstorms produced damaging winds.

MSZ001>009-012> 017-023

De Soto - Marshall - Benton - Tippah - Alcorn - Tishomingo - Tunica - Tate - Prentiss - Panola - Lafayette - Union - Pontotoc - Lee - Itawamba - Chickasaw - Monroe

01 30	2300CST 2259CST			0	0	0.00K	0.00K	Drought
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Much needed rainfall helped the drought relax from exceptional(D4) to severe (D2) over Northeast Mississippi. However, over extreme North Mississippi, the drought remained severe(D2) to extreme(D3) during the month of September due to below normal rainfall.

Monroe County Amory

14	0730CST 0815CST			0	0	0.00K	0.00K	Flash Flood
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Railroad engineer reported many small streams were flooded along railroad line in Monroe County.

Remnants of Hurricane Humberto moved over portions of Northeast Mississippi and produced very heavy rain. Flash flooding was reported as a result.

MISSISSIPPI, South

Harrison County Biloxi

03	1402CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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Thunderstorm winds moved a trailer into the street on South River Drive.

Isolated strong to severe thunderstorms developed in an unstable atmosphere.

MISSOURI, East

Franklin County Sullivan

06	1145CST			0	0		0.00K	Thunderstorm Wind (61EG)
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Thunderstorm winds damaged a large section of roof on a hotel on the north side of Sullivan, just north of Interstate 44. No injuries were reported.

Ste. Genevieve County 1 SSE Ste Genevieve

06	1710CST			0	0	2.00K	0.00K	Lightning
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Lightning struck the 911 tower in Ste. Genevieve. It knocked out fuses, fried two computer circuit boards and took out all the dispatch phones. Service was not back up til the next day.

Scattered showers and thunderstorms developed over the region ahead of an upper level system.

Crawford County 6 SE Leasburg

08	1130CST 1630CST			0	0	1.00K	0.00K	Flash Flood
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Three to four inches of rain fell over a short amount of time on ground that was already saturated from previous rains. The sheriff's department reported that Highway E at Scotia had water over the bridge that crosses Huzzah Creek. The flooding lingered for several hours.

Storm Data and Unusual Weather Phenomena

September 2007

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

Reynolds County

1 N Lesterville

08	1633CST				0	0	2.00K	0.00K	Flash Flood
09	0030CST								

Two to three inches of rain fell over a short amount of time on ground that was already saturated from previous rains in the past 24 hours. The sheriff's department evacuated Twin Landings Camping Park, just north of Lesterville, at 533 pm due to over a foot of water on the roads and the threat of additional rains. Also, later in the evening several trees fell down onto Highway 21 in Lesterville because of the saturated soils.

Iron County

2 N Glover

08	2000CST				0	0	1.00K	0.00K	Flash Flood
09	0030CST								

Two to three inches of rain fell over a short amount of time on ground that was already saturated from previous rains in the past 24 hours. The sheriff's department reported water on Highway 21 north of Glover in the Royal Gorge area.

Madison County

Fredericktown

08	2230CST				0	0	1.00K	0.00K	Flash Flood
09	0330CST								

Two to four inches of rain fell over a short amount of time on ground that was already saturated from previous rains in the past 24 hours. The sheriff's department reported that two low water bridges in town were flooded and the roads were closed.

A cold front stalled over southeastern Missouri and acted as a focus for thunderstorm development. The area had already received 2 to 5 inches of rain in the prior 24 hours and received an additional 2 to 3 inches causing flash flooding at several locations.

Moniteau County

California

30	1925CST				0	0		0.00K	Thunderstorm Wind (52EG)
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A power line was blown down in California.

A strong cold front moved through the region, triggering strong to severe thunderstorms during the evening hours.

MISSOURI, Lower

MOZ113-115

Dunklin - Pemiscot

01	2300CST				0	0	0.00K	0.00K	Drought
30	2259CST								

Near to below normal rainfall during the month of September, continued to even strengthened extreme(D3) drought conditions over the Missouri Bootheel.

MISSOURI, Northwest

Andrew County

1 WSW Cosby

18	1345CST				0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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Large maple tree uprooted and a large locust tree was shattered. Large tree limbs down with other trees as well.

De Kalb County

Clarksdale

18	1515CST				0	0	0.00K	0.00K	Hail (1.00)
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An isolated severe thunderstorm produced wind damage and large hail, over portions of northwest Missouri.

Platte County

1 N Edgerton

30	1445CST				0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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Tree blown down on house...minor shingle damage.

Henry County

1 SSE Germantown

30	1730CST				0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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Tree down on Highway K in the Germantown area.

Henry County

1 S Clinton

30	1745CST				0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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Tree limbs down on power lines.

Isolated severe thunderstorms associated with a cold front, moved through west central Missouri, September 30, 2007.

Storm Data and Unusual Weather Phenomena

September 2007

September 2007									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
MISSOURI, Northwest									
Carter County									
Van Buren	08	0900CST 0930CST			0	0	0.00K	0.00K	Flash Flood
		The Missouri DOT reported several creeks were being sandbagged due to flooding of secondary roads in and around Van Buren. A cold front slowly approached the region. A series of thunderstorms repeatedly passed over Carter County, producing isolated flash flooding.							
MISSOURI, Southwest									
Christian County									
1 E Clever	06	0420CST	0.5	50	0	0	2.00K	0.00K	Tornado (EF0)
		A National Weather Service storm survey revealed that an EF-0 tornado briefly touched down in Clever. The tornado caused minor damage to a bank along with surrounding trees and outdoor lawn furniture.							
Greene County									
1 E Springfield	06	0431CST 0900CST			0	0	0.00K	0.00K	Flash Flood
		Heavy showers and thunderstorms caused areas of flash flooding across Springfield. Locations that flooded included a section of Highway 164 between Golden and Sunrise, the intersection of Campbell and Madison, and a section of Buena Vista Road at Ward Branch.							
Newton County									
Neosho	06	0600CST 0900CST			0	0	0.00K	0.00K	Flash Flood
		Several roads in Neosho were flooded.							
Christian County									
1 SE Nixa	06	0700CST 1000CST			0	0	0.00K	0.00K	Flash Flood
		Excessive rainfall flooded areas of Christian County. Locations that flooded included two sections of Highway 14 near Nixa and Tracker Road west of Highway 160.							
Barry County									
Cassville	06	0727CST 1027CST			0	0	0.00K	0.00K	Flash Flood
		Training thunderstorms over Barry County caused several roads and low water crossings to flood countywide.							
Mcdonald County									
Powell	06	0805CST 1005CST			0	0	0.00K	0.00K	Flash Flood
		Excessive rainfall flooded several low water crossings in the Powell area.							
Webster County									
1 N Northview	06	0900CST 1000CST			0	0	0.00K	0.00K	Flash Flood
		Excessive rain flooded sections of Greenwood Road near Cologna Road and Gerett Road.							
Lawrence County									
1 E Plew	06	0930CST 1030CST			0	0	0.00K	0.00K	Flash Flood
		Heavy rain flooded a section of Highway 96.							
Jasper County									
Avilla	06	0933CST 1000CST			0	0	0.00K	0.00K	Flash Flood
		Heavy rain flooded a section of Highway 96 near Avilla.							
Stone County									
4 W Browns Spg	06	0937CST 1000CST			0	0	0.00K	0.00K	Flash Flood
		Excessive rain flooded a section of Highway 413 north of Crane.							
Barton County									
2 NW Kenoma	06	1005CST 1200CST			0	0	0.00K	0.00K	Flash Flood

Storm Data and Unusual Weather Phenomena

September 2007

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

Flash flooding occurred over several areas of Barton County in response to excessive rainfall. Locations that experienced flooding include a section of Highway T one mile south of Highway 160, a section of Highway U near Golden City, and a section of Highway 126 near Golden City.

Dade County

1 N Kings Pt

06	1046CST 1500CST			0	0	0.00K	0.00K	Flash Flood
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Excessive rainfall flooded a section of Highway 97 one mile north of the Dade and Lawrence county line.

Early morning thunderstorms produced flash flooding in several counties in southwest Missouri. One thunderstorm produced a weak EF-0 tornado in the community of Clever.

Pulaski County

1 SE Dixon

07	0803CST 1030CST			0	0	0.00K	0.00K	Flash Flood
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Thunderstorms with excessive rainfall caused creeks and streams near Dixon to experience minor flooding.

Camden County

1 NE Camdenton

07	1815CST 2030CST			0	0	0.00K	0.00K	Flash Flood
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Minor flooding occurred over a section of Ball Park Road in Camdenton.

Benton County

1 N Knobby

07	1920CST 2030CST			0	0	0.00K	0.00K	Flash Flood
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A section of Route DD where the Knobby Creek intersects this roadway flooded.

Phelps County

1 E St James

07	2039CST 2330CST			0	0	0.00K	0.00K	Flash Flood
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A creek in St. James flooded out of its banks. Multiple low water crossings across Phelps County also experienced flash flooding.

Thunderstorms over central Missouri caused areas of minor flash flooding.

Barton County

1 SE Golden City

08	0311CST 0630CST			0	0	0.00K	0.00K	Flash Flood
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Flooding was observed in several areas near Golden City. Locations included a section of Highway 126 west of Golden City, the intersection of Walnut and 160 in Golden City, and the intersection of Highway 126 and 70th Street in Golden City.

Jasper County

1 E Avilla

08	0311CST 0630CST			0	0	0.00K	0.00K	Flash Flood
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Widespread flooding was observed across much of Jasper County. Locations that flooded included the intersection of Fairview and Laurel in Carthage, a section of Highway 96 east of Avilla, the intersection of County Road 140 and Nutmeg, a section of Highway 71, a section of Civil War Street in Carthage, a section of County Road 150, a section of Locust Street in Carthage, the intersection of 7th and Maiden streets in Joplin, the intersection of 4th and Turk streets in Joplin, the intersection of 7th and Illinois streets in Joplin, a large section of County Road 90 near the Spring River, and a section of Highway 96 near its intersection with County Road 70.

Lawrence County

1 E Mt Vernon

08	0315CST 0630CST			0	0	7.00K	0.00K	Flash Flood
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A water rescue was performed on a section of Highway 97. White Oak Creek flooded and washed a van off the road.

Dade County

1 NNE Meinert

08	0328CST 0630CST			0	0	0.00K	0.00K	Flash Flood
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Flooding was observed over a section of Highway N two and a half miles south of Highway 160.

Greene County

1 E Springfield

08	0400CST 0630CST			0	0	0.00K	0.00K	Flash Flood
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A section of West Bypass between Division and Chestnut flooded.

Storm Data and Unusual Weather Phenomena

September 2007

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
MISSOURI, Southwest									
Dade County									
1 WNW Pilgrim	08	0755CST 1230CST			0	0	0.00K	0.00K	Flash Flood
A section of Highway O experienced flooding from Turnback Creek.									
Jasper County									
1 W Duquesne	08	0755CST 1230CST			0	0	0.00K	0.00K	Flash Flood
Flash flooding continued over Jasper County. Locations include a section of Highway 71 just south of Highway M, a section of Highway 71 near its intersection with Central Avenue, a section Highway 97 near its intersection with Highway N, a section of River Street in Carthage, a section of Baker Street in Carthage, a section of Highway 96 near the Spring River, and a section of Highway V near Carthage, low lying areas near Waco from the Spring River, all low lying streets in the city of Joplin, and all low lying areas in the city of Kendricktown.									
Lawrence County									
3 SE Rescue	08	0804CST			0	0	0.00K	0.00K	Flash Flood
Flooding continued across much of Lawrence County. Locations included a section of Highway 97 at the Spring River north of Stotts City, a section of Highway 97 just south of Interstate 44 near Highway NN, and several sections of Highway 96.									
Shannon County									
1 SE Winona	08	0804CST 1730CST			0	0	0.00K	0.00K	Flash Flood
Area creeks flooded several streets.									
Barton County									
1 S Lamar	08	0901CST 1230CST			0	0	0.00K	0.00K	Flash Flood
A section of Highway 71 near its intersection with Highway 160 remained closed for several hours due to flooding.									
Newton County									
Neosho	08	0901CST 1230CST			0	0	0.00K	0.00K	Flash Flood
Numerous city streets in the city of Neosho were flooded for several hours. A section of Highway 86 east of Stark City between Highway O and Highway EE also flooded.									
Polk County									
3 NNE Slagle	08	0954CST 1230CST			0	0	0.00K	0.00K	Flash Flood
A bridge along County Road 470 near its intersection with County Road 170 flooded.									
Stone County									
1 WNW Crane	08	1727CST 1831CST			0	0	0.00K	0.00K	Flash Flood
A section of Roundhouse Road and Wire Road west of Crane experienced brief flooding.									
A stationary front draped across the region and a persistent, moist southerly low level flow into this boundary produced two rounds of heavy rainfall across portions of the Missouri Ozarks. The first round occurred during the early morning hours of September 8th, with the second occurring during the daylight hours of the 8th. Widespread flash flooding occurred in response to these episodes of heavy rain with rainfall amounts ranging from three to five inches. The Spring River Basin in Jasper and Lawrence counties observed the heaviest precipitation, causing the river to experience moderate flooding.									
Dallas County									
2 ESE Buffalo	10	1618CST 2030CST			0	0	0.00K	0.00K	Flash Flood
The Niangua River flooded over Highway 32 east of Buffalo. A large pickup truck was nearly washed off the road while crossing the flooded river.									
Laclede County									
3 WSW Sleeper	10	1810CST 2030CST			0	0	0.00K	0.00K	Flash Flood
A section of Pelican Drive near the 28000 block became flooded and impassable.									
A few thunderstorms developed over southwest Missouri and caused flooding over Dallas and Laclede Counties.									
Howell County									
2 NNE (H63) West Plains	25	1444CST 1900CST			0	0	7.00K	0.00K	Flash Flood

Storm Data and Unusual Weather Phenomena

										September 2007
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage Property	Crops	Character of Storm	
MISSOURI, Southwest										
										A section of County Road 32-210 northeast of West Plains became flooded and impassable to motorists. One motorist attempted to cross the flooded area and was washed off of the road. A water rescue was performed and no injuries occurred.
Dallas County 3 W Thorpe	25	1550CST			0	0	0.00K	0.00K	Thunderstorm Wind (60EG)	
										Severe thunderstorm wind gusts downed a three foot diamter tree across Highway 38 just north of the Dallas and Webster county line.
Phelps County 1 W Rolla	25	1754CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)	
Maries County 4 NNW Brinktown	25	1827CST 2100CST			0	0	0.00K	0.00K	Flash Flood	
										The Little Maries River flooded over a section of a county road in northwest Maries County.
										A few thunderstorms developed over southwest and central Missouri. These storms produced minor flooding and marginally severe wind gusts.
Barton County 3 ESE Liberal	30	1740CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)	
										A Liberal Newspaper employee observed downed large tree limbs across a county road from severe thunderstorm wind gusts.
Jasper County 1 NE Carthage	30	1820CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)	
										Severe thunderstorm wind gusts downed some trees on the north side of Carthage.
Newton County Neosho	30	1835CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)	
										Thundertorm wind gusts downed multiple trees across the county.
Newton County Neosho	30	1850CST 1950CST			0	0	0.00K	0.00K	Flash Flood	
										Numerous streets flooded in Neosho.
Morgan County 3 ENE Florence	30	1850CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)	
										Severe thunderstorm wind gusts downed two large trees across Highway D in northern Morgan County.
Polk County 1 E Polk	30	1930CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)	
Stone County Hurley	30	1955CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)	
Douglas County 1 SW Roy	30	2104CST			0	0	0.00K	0.00K	Hail (0.88)	
Douglas County 1 SW Roy	30	2104CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)	
										Thunderstorm wind gusts downed trees across Highway 76 west of Highway AJ.
										A strong shortwave and associated cold front moved into extreme southeast Kansas and the Missouri Ozarks. In response, strong to severe thunderstorms developed and produced damaging wind gusts along with a couple areas of flash flooding.

Storm Data and Unusual Weather Phenomena

September 2007

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

Fergus County Winifred

07 1835MST 0 0 0.00K 0.00K Hail (0.88)

A severe thunderstorm dropped .88 inch diameter hail at Winifred.

A severe thunderstorm developed over Fergus County during the early evening hours on the 7th. Hail the size of nickels was reported.

Judith Basin County 4 W Geyser

08 0815MST 0 0 0.00K 0.00K Funnel Cloud

Funnel clouds were reported in the Geyser area during the morning hours.

Funnel clouds were reported during the morning hours of the 8th over portions of Judith Basin county.

MONTANA, East

Valley County Saint Marie

04 1507MST 0 0 0.00K 0.00K Hail (0.88)

Valley County Frazer

04 1605MST 0 0 0.00K 0.00K Hail (0.88)

Roosevelt County 25 NNE Wolf Pt

04 1715MST 0 0 0.00K 0.00K Hail (0.88)

Hail was estimated at nickel size and dented vehicle.

McCone County 3 N Vida

04 1815MST 0 0 0.00K 0.00K Hail (1.00)

Estimated 1 hail fell briefly.

A rather unusual number of strong to severe thunderstorms for September erupted late in the afternoon into the evening ahead of a cold front. Most storms produced non-severe hail and some gusty winds; although a few resulted in severe hail ranging in size from nickels to quarters. The severe weather was confined to portions of Valley, McCone and Roosevelt Counties.

Petroleum County 31 NNE Winnett

07 2000MST
2010MST 0 0 0.00K 0.00K Hail (1.00)

Dime to quarter sized hail fell for approximately 10 minutes.

A severe thunderstorm tracked across northern Petroleum County and produced dime to quarter sized hail.

MTZ062

Eastern Roosevelt

16 1900MST
2200MST 0 0 Wildfire

During the evening of the 16th, scattered thunderstorms moved across portions of extreme northeast Montana with non-severe gusty winds associated with them. The winds fanned a small wildfire approximately six miles east of Culbertson into a fire that was approximately 300 acres.

Prairie County 5 SW Terry

19 2230MST
2240MST 0 0 0.00K 0.00K Hail (0.88)

Dawson County 17 SW Glendive

19 2255MST 0 0 0.00K 0.00K Hail (0.75)

Dawson County Lindsay

19 2315MST 0 0 0.00K 0.00K Hail (0.75)

Dawson County 8 NW Lindsay

19 2330MST 0 0 0.00K 0.00K Hail (0.75)

Drifts of penny size hail against house.

Dawson County 3 N Lindsay

20 0015MST 0 0 0.00K 0.00K Hail (0.75)

Storm Data and Unusual Weather Phenomena

September 2007

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

Dawson County 8 W Lindsay

20	0030MST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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Severe thunderstorms developed late on the evening of the 19th ahead of a cold front and persisted into the early morning hours of the 20th.

MONTANA, South

MTZ066

Beartooth Foothills

01	0001MST			0	0			Wildfire
25	2359MST							

Two lightning caused wildfires began around Mill Creek, south of Livingston and Hicks Peak, with a second fire south of Big Timber near Wicked Creek. As these two fires grew, they became known as the WH Complex. The fire burned 28,600 acres from approximately August 9th to September 25th.



WH Complex

Musselshell County Melstone

07	1702MST			0	0	0.00K	0.00K	Hail (1.00)
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Wind gusts of 56 mph were also reported.

Rosebud County 5 N Forsyth

07	1825MST			0	0	0.00K	0.00K	Hail (0.75)
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Powder River County Broadus

07	2030MST			0	0		0.00K	Thunderstorm Wind (61EG)
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Winds gusted to 70 mph in Broadus. There were several reports of large tree branches blocking the road in a trailer park, along with siding being blown off a trailer. One city dumpster was moved by the wind. In addition, miscellaneous damage was also reported to a house that was located one mile from the trailer park.

The only severe thunderstorms to move across the Billings Forecast Area during the month of September occurred during the evening hours of September 7th.

NEBRASKA, Central

Deuel County 5 N Big Spgs

06	1507MST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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Deuel County 2 N Big Spgs

06	1510MST			0	0	0.00K	0.00K	Hail (0.88)
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Hail covered the ground.

Keith County Brule

06	1523MST			0	0	0.00K	0.00K	Hail (0.75)
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Heavy rain and very gusty winds accompanied the hail.

Storm Data and Unusual Weather Phenomena

September 2007									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage	Crops	Character of Storm
NEBRASKA, Central									
			Isolated thunderstorms developed over Southwest Nebraska. These produced only a couple of hail and wind events.						
Chase County Imperial	16	1816MST			0	0	2.00K	0.00K	Thunderstorm Wind (55MG)
			The outflow winds broke off a power pole on the west side of town and also numerous tree limbs.						
			An isolated thunderstorm developed over Chase County in dry air producing severe winds.						
Perkins County 8 NNE Elsie	28	1453MST			0	0	0.00K	0.00K	Hail (0.88)
Chase County 2 N Wauneta	28	1505MST			0	0	0.00K	0.00K	Hail (0.88)
Keith County 19 NNW Brule	28	1541MST			0	0	5.00K	7.00K	Hail (1.75)
			Hail nearly covered the ground.						
Lincoln County 9 NNW Wallace	28	1608CST			0	0	0.00K	0.00K	Hail (1.00)
Hayes County 13 WNW Hayes Center	28	1612CST			0	0	5.00K	7.00K	Hail (1.75)
Lincoln County 7 S Wallace	28	1630CST			0	0	5.00K	7.00K	Hail (1.75)
Lincoln County 3 SW Sutherland	28	1704CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
Lincoln County Hershey	28	1705CST			0	0	12.00K	0.00K	Hail (1.75)
Hayes County 16 NW Hayes Center	28	1710CST			0	0	4.00K	5.00K	Hail (1.75)
Hayes County 15 NW Hayes Center	28	1710CST			0	0	10.00K	9.00K	Hail (2.00)
			The hail produced severe siding damage to the south side of a house.						
Lincoln County 5 NE Hershey	28	1732CST			0	0	0.00K	0.00K	Hail (1.00)
Custer County 12 NW Callaway	28	1750CST			0	0	0.00K	0.00K	Hail (1.00)
Lincoln County 12 NNW North Platte	28	1800CST			0	0	0.00K	0.00K	Hail (0.88)
Lincoln County 7 S Hershey	28	1800CST			0	0	20.00K	10.00K	Hail (2.75)
			The hail broke out a car windshield and produced severe body damage to the car.						
Lincoln County 11 S Hershey	28	1808CST			0	0	7.00K	5.00K	Hail (1.75)

Storm Data and Unusual Weather Phenomena

September 2007

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
NEBRASKA, Central									
Lincoln County 2 SW North Platte	28	1822CST			0	0	0.00K	0.00K	Hail (0.88)
Lincoln County 2 S North Platte	28	1824CST			0	0	0.00K	0.00K	Hail (0.75)
Mcpherson County 13 SE Tryon	28	1825CST			0	0	0.00K	0.00K	Hail (1.00)
Lincoln County North Platte	28	1827CST			0	0	0.00K	0.00K	Hail (1.00)
Lincoln County North Platte	28	1830CST			0	0	0.00K	0.00K	Hail (0.88)
Logan County 5 W Stapleton	28	1840CST			0	0	0.00K	0.00K	Hail (1.00)
Logan County 4 SW Stapleton	28	1847CST			0	0	2.00K	0.00K	Hail (1.75)
Lincoln County 8 NNE North Platte	28	1850CST			0	0	5.00K	5.00K	Hail (1.75)
Mcpherson County 13 SE Tryon	28	1850CST			0	0	0.00K	0.00K	Hail (0.88)
Mcpherson County 6 N Tryon	28	1912CST			0	0	0.00K	0.00K	Hail (0.88)
Mcpherson County 6 N Tryon	28	1915CST			0	0	0.00K	0.00K	Hail (0.88)
Logan County 4 SSE Stapleton	28	1923CST			0	0	0.00K	0.00K	Hail (1.00)
Logan County 16 NE Stapleton	28	2010CST			0	0	0.00K	0.00K	Hail (0.75)
Thomas County 15 SSE Thedford	28	2010CST			0	0	0.00K	0.00K	Hail (0.88)
Thomas County 15 SSE Thedford	28	2030CST			0	0	0.00K	0.00K	Hail (0.88)
Supercell thunderstorms produced numerous severe hail events during the late afternoon and evening hours.									
Hayes County 12 NW Hayes Center	29	1804CST			0	0	5.00K	5.00K	Hail (2.00)
Hail covered the ground.									
Lincoln County 10 SE Wallace	29	1815CST			0	0	0.00K	0.00K	Hail (0.75)
Arthur County 13 NNE Arthur	29	1830MST			0	0	0.00K	0.00K	Hail (0.88)

Storm Data and Unusual Weather Phenomena

September 2007

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

Grant County **19 SSE Hyannis**

29 1830MST 0 0 0.00K 0.00K Hail (0.88)

Hooker County **10 SW Mullen**

29 1830MST 0 0 0.00K 0.00K Thunderstorm Wind (52EG)

Lincoln County **North Platte**

29 1834CST 0 0 0.00K 0.00K Hail (1.00)

Hayes County **6 E Hamlet**

29 2043CST 0 0 0.00K 0.00K Thunderstorm Wind (52EG)

Cherry County **8 NNE Brownlee**

29 2044CST 0 0 0.00K 0.00K Thunderstorm Wind (57MG)

Lincoln County **7 S North Platte**

29 2055CST 0 0 0.00K 0.00K Thunderstorm Wind (52EG)

Thunderstorm wind gusts were estimated at 60 mph at the Anchor Inn Restaurant near Lake Maloney.

Lincoln County **(LBF)Bird Fld North**

29 2059CST 0 0 0.00K 0.00K Thunderstorm Wind (51MG)

Lincoln County **(LBF)Bird Fld North**

29 2104CST 0 0 0.00K 0.00K Thunderstorm Wind (51MG)

Cherry County **11 NE Brownlee**

29 2105CST 0 0 0.00K 0.00K Thunderstorm Wind (52EG)

Brown County **3 W Johnstown**

29 2110CST 0 0 0.00K 0.00K Thunderstorm Wind (52EG)

Frontier County **14 SW Stockville**

29 2145CST 0 0 0.00K 0.00K Thunderstorm Wind (52EG)

Winds of at least 60 mph broke off 6 to 10 inch diameter tree limbs.

Blaine County **Dunning**

29 2150CST 0 0 0.00K 0.00K Thunderstorm Wind (53MG)

Isolated thunderstorms produced a few severe hail events during the early evening hours and then later into the evening the storms produced severe winds.

NEBRASKA, East

Dodge County **3 S Uehling**

06 1627CST 3.16 50 0 0 0.00K 0.00K Tornado (EF0)
1632CST

An ef0 tornado started about 3 miles south of Uehling around 527 pm. The tornado tracked to the north northeast damaging some farm buildings, trees and hay stacks. The tornado ended about 1 mile east of uehling around 532 pm.

Dodge County **Fremont**

06 1630CST 0 0 100.00K 0.00K Lightning

Lightning struck the Fremont County Sheriff's Department communication tower causing severe damage to nearly everthing electrical in the building. Total damage to repair or replace the items was estimated at around \$100,000.

Burt County **4 SE Tekamah**

06 1720CST 0 0 0.00K 0.00K Hail (1.00)

An upper level disturbance moving across Nebraska helped thunderstorm development ahead of a cold front. There were isolated reports of severe weather with these storms across the eastern Nebraska and southwest Iowa region, including one tornado near Uehling Nebraska.

Storm Data and Unusual Weather Phenomena

September 2007

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

Richardson County

8 SW Salem

3 SE Preston

07 1600CST 2130CST 0 0 0.00K 0.00K Flood

A brief period of flooding was observed along the Big Nemaha River in Richardson county due to heavy rain that fell the prior day. The river at Falls City crested at 25.1 feet around 9 pm CDT on 9/7, flood stage is 23 feet. The river at Falls City was above flood stage for about 5 1/2 hours beginning around 5 pm on the 7th. The flooding affected mainly agricultural lowlands.

Flooding developed along the Big Nemaha River in Richardson county due to rainfall of 2 to 3 inches which fell across the basin in that county along with 3 to 5 inches which fell across the upper sections of the basin in northern Kansas. Thunderstorms that produced the heavy rain developed along and north of a slow moving cold front that pushed across the area.

NEZ031

Madison

17 2207CST 0 0 0.00K 0.00K High Wind

Strong south winds developed over the area in response to low pressure organizing over the northern plains. A strong low level jet in place and a few light showers around helped mix down some stronger winds which produced an isolated report of winds in excess of 70 mph near Norfolk. However, most winds across the area in northeast Nebraska this evening were in the 35 to 50 mph range.

Seward County

6 SW Milford

18 1643CST 0 0 0.00K 0.00K Hail (0.75)

Washington County

Blair

18 1708CST 0 0 0.00K 0.00K Thunderstorm Wind (50EG)

Thunderstorm wind gusts estimated at around 60 mph knocked down some large tree branches and a few trees in town.

Scattered thunderstorms developed along a cold front during the afternoon hours of September 18th. The thunderstorms were aided by an upper level disturbance that tracked from the Rocky Mountains east across Nebraska. Showers and clouds which lingered from early morning activity limited the instability somewhat over the area. Nonetheless, a line of storms formed along the front and produced a few severe weather reports. However, much of the activity consisted of a period of very heavy rain and wind gusts of 35 to 45 mph.

Cuming County

8 NE West Pt

24 1645CST 0 0 0.00K 0.00K Hail (1.00)

Burt County

1 NE Lyons

24 1700CST 0 0 0.00K 0.00K Hail (1.00)

Burt County

1 NE Lyons

24 1700CST 0 0 0.00K 0.00K Thunderstorm Wind (55EG)

Thunderstorm wind gusts estimated at 60 to 65 mph tore the parapet wall of funeral home off, blew a service station canopy down and knocked trees and large limbs down.

Burt County

7 WSW Decatur

24 1705CST 0 0 0.00K 0.00K Thunderstorm Wind (70EG)

Numerous trees were blown down and windows in a house were blown in at a location 6 miles west and 3 miles south of Decatur. Winds estimated to be over 80 mph.

Butler County

David City

24 2230CST 0 0 4.00M 0.00K Hail (2.00)

Hail up to 2 inches in diameter damaged at least several hundred vehicles in town and also caused roof damage to a few hundred homes. The main damage path was from the southwest into the northeast part of town with the damage estimated at \$4 million.

Butler County

1 ESE Edholm

24 2246CST 0 0 0.00K 0.00K Hail (2.00)

Dodge County

5 W North Bend

24 2255CST 0 0 0.00K 0.00K Hail (1.00)

Hail up to one inch in diameter damaged vehicles.

Thunderstorms, a few severe, developed along a slow moving cold front during the late afternoon of September 24th. The storms produced isolated wind damage and large hail in Nebraska. One super-cell thunderstorm developed behind the cold front late in the evening, aided by an upper level disturbance lifting out of Wyoming. This storm produced scattered large hail reports from the David City area northeast to west of North Bend.

Storm Data and Unusual Weather Phenomena

September 2007

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
<u>NEBRASKA, East</u>									
Madison County Norfolk	30	0140CST			0	0	100.00K	0.00K	Lightning
									A lightning strike started a house fire in Norfolk causing around \$100,000 damage.
									Lightning from early morning thunderstorms over northeast Nebraska caused a house fire in Norfolk.
Knox County 2 SE Wausa	30	1437CST 1447CST			0	0	0.00K	0.00K	Hail (1.00)
									Hail up to 1 inch in diameter lasted for around 10 minutes.
Cedar County 1 SE Magnet	30	1438CST 1442CST			0	0	0.00K	0.00K	Hail (2.50)
									Hail up to tennis ball size was reported just south of Magnet with some vehicle and house damage reported. Some of the hail was still on the ground the next morning.
Thurston County 6 N Thurston	30	1524CST			0	0	0.00K	0.00K	Hail (0.75)
									A closed upper level low pressure system that tracked across northern Nebraska triggered a few severe thunderstorms across northeast Nebraska and parts of western Iowa. Temperatures in advance of the system climbed into the upper 70s to lower 80s with dew point readings in the lower 60s, and temperatures behind the system were in the 50s.
<u>NEBRASKA, Extreme Northeast</u>									
Dakota County 9 SW Hubbard	30	1530CST			0	0	0.00K	0.00K	Hail (1.00)
									A thunderstorm produces quarter size hail in Dakota County of extreme northeast Nebraska during the late afternoon of September 30th.
<u>NEBRASKA, Extreme Southwest</u>									
Red Willow County (MCK)Mc Cook Arpt	29	2111CST			0	0	0.00K	0.00K	Thunderstorm Wind (52MG)
Red Willow County 13 NE Indianola	29	2130CST			0	0	10.00K	0.00K	Thunderstorm Wind (70EG)
									Damage to farmstead. Porch roof blown off...damaged outbuildings and scattered sheet metal around yard. Radar indicated strong outflow winds from thunderstorm. Wind speed estimated and time based on radar.
									A line of strong to severe thunderstorms swept across much of the Tri-state area producing numerous reports of strong wind and marginally severe hail.
<u>NEBRASKA, South Central</u>									
Phelps County Holdrege Atlanta	06	1820CST			0	0	15.00K	0.00K	Hail (1.25)
Gosper County 16 SSW Elwood	06	1830CST 1835CST			0	0	200.00K	2.00M	Hail (1.75)
									Quarter to golf ball size hail and 70 mph winds caused a swath of crop damage.
Phelps County 6 SE Holdrege	06	1838CST			0	0	25.00K	150.00K	Hail (1.50)
Furnas County Arapahoe	06	1844CST			0	0	0.00K	0.00K	Thunderstorm Wind (59EG)
									Nebraska Department of Roads mesonet site.
Furnas County 3 WNW Oxford	06	1855CST 1910CST			0	0	500.00K	2.00M	Hail (2.75)

Storm Data and Unusual Weather Phenomena

										September 2007
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage Property	Crops	Character of Storm	
NEBRASKA, South Central										
Kearney County										
2 S Minden	06	1900CST			0	0	0.00K	0.00K	Hail (1.00)	
2 S South Minden										
Buffalo County										
Shelton	06	1928CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)	
Franklin County										
Franklin	06	1945CST			0	0	100.00K	500.00K	Thunderstorm Wind (52EG)	
										Nickel size hail fell with the wind.
Franklin County										
2 W Franklin	06	1954CST			0	0	50.00K	500.00K	Hail (1.25)	
										Winds estimated at 60 mph came along with the hail.
Franklin County										
4 S Riverton	06	2014CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)	
Webster County										
5 W Inavale	06	2020CST			0	0	0.00K	0.00K	Hail (0.88)	
										A swath of crop damage, overturned pivots and minor property damage was the result of severe thunderstorms, which rumbled across south central Nebraska. The thunderstorms moved east and southeast with the most significant damage in southern Gosper and northeast Furnas counties. In the boot heel of Gosper County, crops were ravaged by golf ball size hail and 70 mph winds. At least two pivots were overturned. The storm responsible for the Gosper County damage took a southeast turn and hammered the Oxford area. Large trees fell throughout the town of Oxford and baseball size hail was reported west of town. Several pivots were overturned by the wind. This storm weakened just a bit, but still managed to produce 60 mph winds and nickel size hail in much of Franklin County. Earlier in the evening, a lonesome thunderstorm in the Holdrege area produced golf ball size southeast of town.
Adams County										
Juniata	18	1528CST			0	0	0.00K	0.00K	Hail (1.00)	
York County										
York	18	1600CST 1730CST			0	0	10.00K	0.00K	Heavy Rain	
										About 2 inches of rain fell in the York area in less than 90 minutes.
Fillmore County										
4 E Geneva	18	1620CST			0	0	0.00K	0.00K	Funnel Cloud	
Fillmore County										
Fairmont	18	1730CST 1930CST			0	0	2.00K	0.00K	Heavy Rain	
										One to three inches of rain fell.
Fillmore County										
1 W Geneva	18	1737CST			0	0	0.00K	0.00K	Hail (1.00)	
Fillmore County										
3 E Ohioa	18	1810CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)	
Thayer County										
Hebron	18	1854CST			0	0	0.00K	0.00K	Hail (0.75)	
										Thunderstorms producing hail, high winds and heavy rain pounded a part of south central Nebraska. The thunderstorms were most intense along the U.S. Highway 81 corridor from York to Hebron. In York, very heavy rain flooded some streets, including the Lincoln Avenue underpass. A few cars were temporarily stranded in the high water. To the south, it wasn't just heavy rain in Fillmore County. The Emergency Manager reported a funnel cloud for a brief time east of Geneva. Dime to quarter size hail fell on the west side of Geneva and 60 mph winds befell the Ohioa area.
Adams County										
4 W Ayr	24	1727CST			0	0	5.00K	0.00K	Hail (1.25)	

Storm Data and Unusual Weather Phenomena

September 2007

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

Clay County **6 ESE Clay Center**

24 1805CST 0 0 0.00K 0.00K Thunderstorm Wind (52EG)

Fillmore County **Shickley**

24 1819CST 0 0 0.00K 0.00K Thunderstorm Wind (61EG)

Thunderstorms south of Hastings produced some hail and eventually high winds as they roared east into Clay and Fillmore counties. The thunderstorms formed just behind a cold front. At one point, there as a report of a tornado near Blue Hill, but off-duty National Weather Service personnel in the area reported just some blowing dust due to high winds. Those high winds spread east across southern Clay and southwest Fillmore counties where 60 to 70 mph winds were reported. No significant damage was observed.

Furnas County **Cambridge**

29 2143CST 0 0 0.00K 0.00K Thunderstorm Wind (52EG)

Dawson County **Lexington**

29 2210CST 0 0 0.00K 0.00K Thunderstorm Wind (52EG)

Furnas County **Hendley**

29 2218CST 0 0 0.00K 0.00K Thunderstorm Wind (52EG)

Phelps County **Holdrege**

29 2255CST 0 0 0.00K 0.00K Thunderstorm Wind (52EG)

Thunderstorms rumbled across a section of south central Nebraska and produced 60 mph winds. The storms began around Cambridge where a large tree was toppled in the wind. The thunderstorms spread east across Furnas, Phelps and Dawson counties.

NEVADA, North

Elko County **11 N Currie Arpt**

04 1350PST 0 0 0.00K 0.00K Thunderstorm Wind (51MG)
1400PST

Elko County **7 SW Ola**

04 1505PST 0 0 0.00K 0.00K Thunderstorm Wind (50MG)
1515PST

A line of severe thunderstorms moved across eastern Elko county.

NEVADA, South

NVZ021

Lake Mead/Lake Mohave National Recreation Area

19 1630PST 0 0 0.00K 0.00K Strong Wind
Strong winds ahead of an incoming low pressure system caused dangerous conditions on Lake Mead.

Nye County **Pahrump**

21 1000PST 0 0 0.00K 0.00K Flash Flood
1400PST

Several roads were washed out in Pahrump. The co-op observer reported 2.7 inches of rain for the day. Time of damage occurrence unknown.

Clark County **Henderson**

21 2145PST 0 0 200.00K 0.00K Lightning

Lightning set fire to an office complex at Eastern Ave. and Horizon Ridge Pkwy.

Clark County **30 WNW Las Vegas**

22 0300PST 0 0 0.00K 0.00K Flash Flood
0700PST

Mount Charleston had flooding and debris over roads, with a couple of subdivisions blocked off.

A strong low pressure system brought thunderstorms and heavy rain to the Mojave Desert.

NEVADA, West

NVZ001

Mineral/Southern Lyon

03 1540PST 0 0 0.00K 0.00K High Wind

An area of low pressure brought strong winds to the region.

Storm Data and Unusual Weather Phenomena

										September 2007
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage Property	Crops	Character of Storm	
NEW HAMPSHIRE, North and Central										
Rockingham County Stratham	08	1530EST 1533EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)	
	A severe thunderstorm downed trees at Scammen Farm in Stratham.									
	An isolated severe thunderstorm in Stratham New Hampshire produced wind damage at a local farm.									
Belknap County Alton	27	0630EST			0	0	200.00K	0.00K	Lightning	
	Lightning struck a summer home in Alton and caused a fire that destroyed the structure. In addition to the home, the fire consumed antiques and hardwood furniture.									
Strafford County Milton	27	0700EST 0705EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)	
	A severe thunderstorm downed trees in Milton.									
Sullivan County Claremont	27	1400EST 1404EST			0	0	0.00K	0.00K	Hail (1.00)	
	A severe thunderstorm produced 1 inch hail in Claremont.									
Sullivan County Claremont	27	1405EST 1408EST			0	0	0.00K	0.00K	Hail (1.25)	
	A severe thunderstorm produced 1.25 inch hail in Claremont.									
Coos County Colebrook	27	1415EST 1419EST			0	0	0.00K	0.00K	Hail (1.00)	
	A severe thunderstorm produced 1 inch hail in Colebrook.									
Sullivan County Newport	27	1415EST 1418EST			0	0	0.00K	0.00K	Hail (1.75)	
	A severe thunderstorm produced 1.75 inch hail in Newport.									
Sullivan County Claremont	27	1415EST 1419EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)	
	A severe thunderstorm downed trees in Claremont.									
Sullivan County Claremont	27	1435EST 1438EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)	
	A severe thunderstorm downed trees and large branches in Claremont.									
Grafton County Bristol	27	1450EST 1454EST			0	0	0.00K	0.00K	Hail (1.00)	
	A severe thunderstorm produced 1 inch hail in Bristol.									
Grafton County Ashland	27	1535EST 1537EST			0	0	0.00K	0.00K	Hail (1.00)	
	A severe thunderstorm produced 1 inch hail in Ashland.									
Belknap County Center Harbor	27	1552EST 1556EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)	
	A severe thunderstorm downed trees in Center Harbor.									
Sullivan County Claremont	27	1615EST 1618EST			0	0	0.00K	0.00K	Hail (1.00)	
	A severe thunderstorm produced 1 inch hail in Claremont.									
	Severe thunderstorms developed in southeast New Hampshire and quickly moved into southwestern Maine on the morning of the 27th. Lightning struck a home in Alton and caused a fire that destroyed the structure. A second round of severe storms formed during the afternoon in northern and western New Hampshire. Both morning and afternoon storms produced large hail and damaging winds.									

Storm Data and Unusual Weather Phenomena

September 2007									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
<u>NEW HAMPSHIRE, North and Central</u>									
Hillsborough County 1 NW South Milford	08	1525EST			0	0	15.00K	0.00K	Thunderstorm Wind (50EG)
									Thunderstorm winds brought down wires.
Hillsborough County 1 SSE Pine Hill	08	1622EST			0	0	25.00K	0.00K	Lightning
									Lightning struck a restaurant on Amherst Street, causing minor damage.
									A cold front dropping into northern New England triggered scattered thunderstorms in southwest New Hampshire. Isolated severe thunderstorms with damaging winds moved through Hillsborough County during the late afternoon.
<u>NEW JERSEY, Northeast</u>									
Passaic County 1 N Hewitt	08	2100EST			1	0	0.00K	0.00K	Lightning
									A thunderstorm produced lightning that struck a 47 year old male while fishing in a boat over Upper Greenwood Lake in Passaic County, NJ. M47IW
									Lightning struck and killed a 47 year old male while fishing on Upper Greenwood Lake. M47IW
<u>NEW JERSEY, South and Northwest</u>									
Morris County Mt Arlington	08	1735EST			0	2	0.00K	0.00K	Lightning
									A father and his daughter were struck and injured by lightning while boating on Lake Hopatcong near Brady Bridge. They were heading for shelter when the father was struck on the top of his head. Burn marks were found. He was in critical, but stable condition. His 8-year-old daughter was struck while hiding under the driver's console. Her injuries were not as serious. The thunderstorm was not a prolific cloud-to-ground lightning producer, there were only 6 recorded cloud-to-ground or cloud-to-water strikes in and around Lake Hopatcong.
									An approaching cold front helped trigger some isolated thunderstorms across northwest New Jersey.
<u>NEW MEXICO, Central and North</u>									
Mora County 9 SSW Wagon Mound	10	1305MST			0	0			Hail (0.75)
San Miguel County 15 NW Trementina	10	1401MST			0	0			Hail (0.88)
San Miguel County 15 NW Trementina	10	1401MST			0	0	4.00K	0.00K	Thunderstorm Wind (56EG)
									The general public reported that a barn roof was blown off.
San Miguel County 3 E Trujillo	10	1415MST			0	0			Hail (1.75)
									Hail was observed at Mile Marker 32.
San Miguel County 5 SE Trementina	10	1440MST			0	0			Hail (1.00)
									The hail accumulated to a depth of one to two inches.
Guadalupe County 9 S Dahlia	10	1615MST			0	0			Hail (1.75)
									The hail was observed along Interstate 40.
Torrance County 19 E Clines Corners	10	1615MST			0	0			Hail (1.00)
Torrance County 19 E Clines Corners	10	1615MST			0	0			Thunderstorm Wind (56EG)
									Two tractors were blown off Interstate 40.

Storm Data and Unusual Weather Phenomena

September 2007

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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NEW MEXICO, Central and North

Torrance County

21 E Clines Corners 10 1620MST 0 0 Hail (1.75)

The hail was observed along Interstate 40.

A back door cold front slid into northeast New Mexico early on the 10th and acted as a focus for thunderstorms during the afternoon hours. Plenty of low level moisture and instability was already in place, along with decent shear through the atmosphere. A few of the thunderstorms over Mora, San Miguel, Torrance and Guadalupe counties produced hail between the size of nickels and golf balls.

Chaves County

Roswell 20 1520MST 0 0 2.00K 0.00K Thunderstorm Wind (61EG)

An isolated thunderstorm became severe with damaging wind gusts as it moved through Roswell. A two foot diameter tree was snapped at the trunk. Other tree limbs were knocked down as were a couple of power lines.

Rio Arriba County

7 E Brazos 28 1400MST 0 0 Hail (0.75)

Sandoval County

9 N Cuba 28 1440MST 0 0 Hail (1.00)

Rio Arriba County

Gallina 28 1450MST 0 0 Hail (0.75)

The hail ranged from pea-sized to penny-sized.

Sandoval County

Jemez Spgs 28 1612MST 0 0 Hail (0.75)
1615MST

Mora County

Wagon Mound 28 1900MST 0 0 Hail (1.00)

San Miguel County

19 NNE Bell Ranch 28 1928MST 0 0 Hail (0.88)
1931MST

A deepening trough of low pressure along the west coast began to draw moisture north into New Mexico early on the 28th. This helped destabilize the atmosphere. In addition, strong directional and speed shear near the surface helped produce long lived storms. The result was several reports of large (0.75 to 1.00 inc) hail over northern New Mexico.

Union County

6 S Amistad 29 1906MST 0 0 Thunderstorm Wind (52EG)

The storm that was along the west coast on the 28th began to move inland on the 29th and strengthened the flow at mid levels of the atmosphere. A thunderstorm near Amistad in northeast New Mexico (near Amistad) brought some of that wind to the surface in the form of a microburst wind.

NEW MEXICO, South Central and Southwest

Grant County

9 W Tyrone 06 1245MST 3.05 40 0 0 0.00K 0.00K Tornado (EF0)
1300MST

A storm chaser photographed a small tornado southwest of Tyrone, NM. It was on the ground for about 15 minutes, but caused no damage as it was in a remote area.

A landspout tornado formed within a circulation associated with the remnants of former Hurricane Henriette which moved inland from the Gulf of California.

Grant County

Mimbres 09 1425MST 0 0 0.00K 0.00K Flash Flood
1530MST

Roads were flooded and culverts washed out around Mimbres.

Luna County

Akela 09 1630MST 0 0 0.00K 0.00K Flash Flood
1830MST

Flooding occurred on Interstate 10 and other roads around Akela. Highway 549 was under water for a half mile stretch.

Sierra County

7 S Hillsboro 09 1630MST 0 0 0.00K 0.00K Flash Flood
1800MST

Storm Data and Unusual Weather Phenomena

September 2007

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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NEW MEXICO, South Central and Southwest

Two vehicles were stuck near mile marker on Highway 27 south of Hillsboro. The road was closed due to rocks, debris and high water in low water crossings.

Luna County **2 SW Akela**

09 1705MST 0 0 1.00K 0.00K Hail (1.00)
1715MST
Quarter size hail shattered all landscaping lights at a residence near Akela Flats.

Moist southerly flow with a stationary cold front providing a focus for uplift resulted in flash flooding across parts of southern New Mexico. Damaging hail was also reported.

Dona Ana County **Sunland Park**

28 1850MST 0 0 0.00K 0.00K Flash Flood
2000MST
Major street flooding occurred in Sunland Park.

Otero County **Orogrande**

28 1940MST 0 0 0.00K 0.00K Hail (1.00)

The same high precipitation supercell that caused much damage in El Paso, TX brought flooding to Sunland Park, NM (before entering El Paso). A multicell severe storm formed later and dropped large hail on Orogrande, NM.

NEW MEXICO, Southeast

Lea County **1 N Hobbs Ind Arpt**

06 1832MST 0 0 0.00K 0.00K Hail (1.00)
1842MST
Quarter sized hail was reported to be one and a half inches deep over roadways.

Lea County **Hobbs**

06 1840MST 0 0 0.00K 0.00K Flash Flood
2200MST
The Hobbs Police Department reported widespread flooding of city streets.

Tropical Storm Henriette formed in the eastern Pacific Ocean and made landfall along the western coast of Mexico. The storm's remnants moved northeast across Mexico, entering the United States near El Paso. The system brought abundant moisture to west Texas and southeastern New Mexico resulting in flash flooding and severe thunderstorms.

Lea County **Hobbs**

07 2046MST 0 0 0.00K 0.00K Flash Flood
2300MST
The Hobbs Police Department reported widespread flooding of city streets.

The remnants of Tropical Storm Henriette continued to track across west Texas and southeastern New Mexico as it was being absorbed by a cold front moving through New Mexico. The flow of moisture from the Pacific Ocean, moderate instability, and marginal shear contributed to flash flooding and severe thunderstorms.

Lea County **Hobbs**

09 0058MST 0 0 0.00K 0.00K Flash Flood
0400MST
The Hobbs Police Department reported many streets across the city to be impassable due to high water.

A stalled front stretched from the Permian Basin across the Trans Pecos to the Davis Mountains. Abundant moisture and slow storm motion resulted in flash flooding.

Lea County **Hobbs**

10 1957MST 0 0 0.00K 0.00K Flash Flood
2300MST
Two to three feet of water flowed across several streets in the northern portions of Hobbs.

Eddy County **Carlsbad**

11 0038MST 0 0 0.00K 0.00K Flash Flood
0300MST
Spotters reported several streets in Carlsbad had six inches of water flowing through the intersections.

Abundant Pacific moisture continued to stream northeastward into west Texas and southeastern New Mexico. Similar to the previous day, a stalled front continued to be the focal point for heavy rainfall. Another contributing factor to the shower activity was a second cold front moving into west Texas from the north.

Eddy County **Carlsbad**

20 2129MST 0 0 0.00K 0.00K Flash Flood
21 0130MST

Storm Data and Unusual Weather Phenomena

September 2007

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

Spotters reported widespread flooding in the city of Carlsbad. As much as two feet of water flowed across city intersections.

A particularly strong upper level disturbance moved northward across the Guadalupe Mountains and into Eddy County. With abundant moisture in place, heavy rainfall led to flash flooding in southeastern New Mexico.

Eddy County 22 NW Carlsbad

26	1328MST				0	0	5.00K	0.00K	Hail (1.75)
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Eddy County 12 WSW Lakewood

26	1334MST 1344MST	5.05	200		0	0	0.00K	0.00K	Tornado (EF0)
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An Indian Gas Plant employee reported a tornado in an open field approximately one mile north of the plant. The tornado lasted ten minutes. No damage was reported.

Eddy County 10 NW Carlsbad

26	1412MST				0	0	0.00K	0.00K	Hail (1.00)
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Eddy County Carlsbad

26	1440MST 1448MST				0	0	10.00K	0.00K	Hail (1.75)
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Nickel to golf ball sized hail fell in Carlsbad.

A high pressure ridge was situated over much of the U.S. The combination of a stationary front over southeastern New Mexico and abundant moisture provided by southeast flow off the Gulf of Mexico, produced showers and thunderstorms across portions of southeastern New Mexico.

Eddy County 5 SW Lakewood

29	1538MST				0	0	0.00K	0.00K	Hail (0.75)
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Penny sized hail was reported one mile south of Seven Rivers on U.S. Highway 285.

Eddy County Lakewood

29	1625MST 1900MST				0	0	0.00K	0.00K	Flash Flood
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Water up to two feet deep flowed over streets in Lakewood.

Eddy County 2 NNE Lakewood

29	1628MST				0	0	0.00K	0.00K	Hail (0.75)
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Eddy County Carlsbad

29	2000MST				0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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A spotter reported a 60 mph wind gust. No damage was reported.

Eddy County Carlsbad

29	2036MST 2300MST				0	0	0.00K	0.00K	Flash Flood
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Widespread flooding of streets occurred in Carlsbad.

With an upper level high pressure system over the southeastern U.S., southerly flow brought abundant moisture from the Gulf of Mexico across southeastern New Mexico. Marginal instability and wind shear contributed to the formation of thunderstorms.

NEW YORK, Central

Steuben County Jasper

14	1905EST				0	0	1.00K	0.00K	Thunderstorm Wind (50EG)
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A few trees were knocked down which blocked a roadway.

Showers and isolated thunderstorms along a cold front moved across Western New York during the evening and caused minor wind damage.

Chemung County 1 SE Elmira

26	1635EST				0	0	1.00K	0.00K	Thunderstorm Wind (50EG)
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Trees and wires were blown down by thunderstorm winds. Trees were blocking some roadways in Elmira.

Oneida County 1 SW Franklin Spgs

26	1940EST				0	0	1.00K	0.00K	Thunderstorm Wind (50EG)
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Storm Data and Unusual Weather Phenomena

									September 2007
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured		Estimated Damage Property	Crops	Character of Storm
NEW YORK, Central									
Several trees were blown down on Bogusville Hill Road in Deansboro.									
Oneida County 1 W Deansboro	26	1950EST			0	0	0.00K	0.00K	Hail (0.75)
Warm and humid conditions developed during the afternoon ahead of a cold front. As an upper level disturbance crossed the area, showers and thunderstorms developed during the late afternoon and evening, and some of these storms brought strong winds and hail.									
NEW YORK, East									
Dutchess County 2 N New Hamburg	08	1734EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
A southbound train that left Poughkeepsie struck a tree that had fallen due to strong thunderstorm winds on the tracks north of the New Hamburg station.									
No injuries were reported, but an air hose on the train became detached.									
Dutchess County Wappingers Falls	08	1735EST			0	0		0.00K	Thunderstorm Wind (50EG)
Trees were reported down in Wappingers Falls due to strong thunderstorm winds. One tree damaged a house on East Academy Street, while another fell on a car on South Ramsen Avenue.									
Dutchess County East Fishkill	08	1746EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
Trees were reported down in East Fishkill due to strong thunderstorm winds.									
Dutchess County 1 SE Beekman	08	1757EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
Trees were reported down in Beekman due to strong thunderstorm winds.									
A cold front approached eastern New York during the late afternoon and evening hours on Saturday, September 8th. This front, combined with a warm, moist and unstable air mass in place, led to the development of scattered thunderstorms across eastern New York, some of which became locally severe.									
Schoharie County 1 E Middleburg	09	1635EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
Numerous large tree limbs were reported down throughout the town of Middleburgh due to strong thunderstorm winds.									
A nearly stationary boundary was located across southeast New York and southwest New England during Sunday September 9th. A wave of low pressure then developed over the southern Great Lakes, and traveled east along this boundary, leading to the development of numerous showers and thunderstorms during Sunday afternoon across portions of eastern New York and western New England, a few of which became locally severe.									
NYZ032-033	Northern Herkimer - Hamilton								
	13	0000EST			0	0	0.00K	0.00K	Drought
	30	2359EST							
Severe drought conditions have developed over the last 6 weeks across Northern Herkimer and Hamilton Counties. Some portions of the Adirondack region have accrued 90 day rainfall deficits of 8 to 12 inches below normal. This has allowed the Palmer Drought Severity Index to reach severe drought levels. Natural streamflow levels have dropped into the lowest 10 percentile of recorded flows.									
Saratoga County Wilton	27	1520EST			0	0	0.00K	0.00K	Hail (1.00)
Quarter size hail was reported in Wilton.									
Saratoga County 1 N West Milton	27	1520EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
Two pine trees were reported down near West Milton due to strong thunderstorm winds.									

Storm Data and Unusual Weather Phenomena

September 2007									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
NEW YORK, East									
Saratoga County 4 N Saratoga Spgs	27	1522EST			0	0	0.00K	0.00K	Hail (0.75)
									Penny size hail was reported approximately 4 miles north of Saratoga Springs.
Saratoga County Rock City Falls	27	1530EST			0	0	0.00K	0.00K	Hail (1.00)
									Quarter size hail was reported near Rock City Falls. The hail had very jagged edges.
Saratoga County Rock City Falls	27	1530EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
									Trees were reported down due to strong thunderstorm winds near Rock City Falls. Winds were estimated at near 60 MPH.
Saratoga County 1 W Gansevoort	27	1545EST			0	0	0.00K	0.00K	Hail (1.00)
									Quarter size hail was reported between exits 16 and 17 on the Adirondack Northway, Interstate 87.
									A nearly stationary frontal boundary across central New York State gradually moved east during Thursday afternoon on September 27th. With a very warm, moist and unstable air mass in place to the east of this boundary, scattered strong to isolated severe thunderstorms developed across portions of eastern New York State Thursday afternoon and evening.
Montgomery County Amsterdam	27	1630EST 1800EST			0	0	5.00K	0.00K	Flash Flood
									Very heavy rain from a thunderstorm, combined with poor city drainage, led to isolated flash flooding in the city of Amsterdam.
									The flash flood closed Main Street, and resulted in 2 cars being flooded and damaged. In addition, one woman had to be rescued from her car by firemen.
									Measured rainfall from these thunderstorms were 2 to 2.5 inches over a 1 to 2 hour period.
									A nearly stationary frontal boundary across central New York State gradually moved east during Thursday afternoon on September 27th. With a very warm, moist and unstable air mass in place to the east of this boundary, scattered strong to isolated severe thunderstorms developed across portions of eastern New York State Thursday afternoon and evening.
									Some of these thunderstorms contained locally torrential rain, which led to isolated flash flooding.
Warren County Brant Lake	27	1645EST			0	0	0.00K	0.00K	Hail (1.00)
									Quarter size hail was reported covering the ground in Brant Lake.
Warren County 3 W Brant Lake	27	1645EST 1650EST			0	0	75.00K	0.00K	Thunderstorm Wind (87EG)
									Numerous trees were down, and multiple houses were damaged as a result of strong thunderstorm winds at Brant Lake.
									A National Weather Service Storm Survey Team found evidence of straight line wind damage as a result of a macroburst, with damage consistent with maximum wind speeds of near 100 MPH. The damage swath was 5 miles long, and 1 mile wide, and occurred on the west and east sides of Brant Lake. The damage on the west side of the lake was more widespread than on the east side.
									One large tree fell through the roof of a Palisades Road home, causing an estimated \$75,000 in damage.
Washington County Hudson Falls	27	1745EST			0	0	200.00K	0.00K	Lightning
									Lightning struck a home on Fourth Street in Hudson Falls at approximately 1745 LST. The lightning is believed to have struck a cable antenna on the roof, which consequently started a fire and then spread.
									The fire caused extensive damage to the house.

Storm Data and Unusual Weather Phenomena

September 2007

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

A nearly stationary frontal boundary across central New York State gradually moved east during Thursday afternoon on September 27th. With a very warm, moist and unstable air mass in place to the east of this boundary, scattered strong to isolated severe thunderstorms developed across portions of eastern New York State Thursday afternoon and evening.

NEW YORK, North

St. Lawrence County Fine

11	1440EST			0	0	0.00K	0.00K	Funnel Cloud
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Funnel cloud reported south of Fine at 340 pm, as well as a few trees downed by thunderstorm winds.

St. Lawrence County Fine

11	1440EST			0	0	10.00K	0.00K	Thunderstorm Wind (50EG)
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Trees reported down along Route 3 in Fine.

Clinton County 1 NE Morrisonville

11	1735EST			0	0	25.00K	0.00K	Thunderstorm Wind (55EG)
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Trees down along with some minor structural damage caused by trees fallen on sheds, porches. Also, a funnel cloud was reported.

A low pressure system, accompanied by a cold front moved across northern New York during the afternoon and evening of the 11th. Surface instability was marginal but there was a relatively strong low level wind field. Widely scattered thunderstorms developed across northern New York during the mid afternoon to evening hours with isolated reports of wind damage. Trees were downed by thunderstorm winds in Fine (St. Lawrence county) and Morrisonville (Clinton county), with some minor structural damage in Morrisville.

NEW YORK, West

Erie County Buffalo

11	2005EST			0	0	5.00K	0.00K	Thunderstorm Wind (56MG)
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Niagara County Sanborn

11	2017EST			0	0	50.00K	0.00K	Thunderstorm Wind (52EG)
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Erie County Tonawanda

11	2023EST			0	0	10.00K	0.00K	Thunderstorm Wind (52EG)
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Erie County Orchard Park

11	2035EST			0	0	35.00K	0.00K	Thunderstorm Wind (53EG)
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Genesee County Batavia

11	2046EST			0	0	15.00K	0.00K	Thunderstorm Wind (50EG)
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Wyoming County Sheldon Center

11	2100EST			0	0	10.00K	0.00K	Thunderstorm Wind (50EG)
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Livingston County Geneseo

11	2115EST			0	0	20.00K	0.00K	Thunderstorm Wind (50EG)
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Monroe County Mendon

11	2115EST			0	0	25.00K	0.00K	Thunderstorm Wind (55EG)
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Ontario County 1 N Canandaigua

11	2133EST			0	0	10.00K	0.00K	Thunderstorm Wind (50EG)
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Oswego County Volney

11	2230EST			0	0	15.00K	0.00K	Thunderstorm Wind (50EG)
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Lewis County Croghan

11	2330EST			0	0	10.00K	0.00K	Thunderstorm Wind (50EG)
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Storm Data and Unusual Weather Phenomena

September 2007

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

NEW YORK, West

Erie County Boston

Strong thunderstorms accompanied the passage of a cold front across the region during the evening and early overnight hours. The thunderstorm winds downed trees and power lines. In Sanborn, several homes sustained minor damage to roofs and siding. In Mendon, a tree fell on a home. In Orchard Park, a 15- to 20-foot section of the Buffalo Bills Field house was torn off by the thunderstorm winds.

28	0706EST			0	0	1.00K	0.00K	Hail (0.75)
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Scattered showers and thunderstorms accompanied the passage of an upper level trough across the region during the early morning hours. In Erie County, an isolated report of three-quarter inch hail was received.

NORTH CAROLINA, Central

Forsyth County Clemmons

14	1336EST 1341EST	0.25	50	0	0	0.00K	0.00K	Tornado (EF0)
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A weak brief tornado touched down damaging several homes along Peace Haven Street. The tornado ripped the siding off several homes and also knocked down several trees.

Guilford County 2 E Oak Ridge

14	1430EST			0	0	0.00K	0.00K	Funnel Cloud
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A funnel cloud was reported by the public at Highway 150 and Union Grove Road near Oak Ridge.

Davidson County 4 NNW Thomasville

14	1523EST 1525EST	0.1	25	0	0	0.00K	0.00K	Tornado (EF0)
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Law enforcement reported a tornado touchdown on HWY 52 northwest of Thomasville.

Davidson County 4 NNW Thomasville

14	1523EST 1527EST	0.1	25	0	0	0.00K	0.00K	Tornado (EF0)
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Law enforcement reported a tornado touchdown on HWY 52 northwest of Thomasville.

Johnston County 6 WSW Clayton

14	1700EST 1708EST			0	0	0.00K	0.00K	Funnel Cloud
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Numerous funnel clouds were reported along Highway 42.

Harnett County 1 NW Lillington

14	1710EST 1720EST	1.41	50	0	0	0.00K	0.00K	Tornado (EF0)
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The public reported a brief tornado touchdown in the River Bluff Development on South River Road. Numerous trees were blown down in the area. The tornado touched down again briefly at 620 pm just northeast of Lillington.

Johnston County 1 SW Clayton 2 SW Emit

14	1715EST 1744EST	11.81	25	0	0	0.00K	0.00K	Tornado (EF0)
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A tornado touch downed at Clayton Middle School on Guy Road. A second tornado touched down from the same thunderstorm near the Jordan community.

Harnett County 3 NE Lillington

14	1720EST			0	0	0.00K	0.00K	Funnel Cloud
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Numerous funnel clouds were reported northeast of Lillington.

Johnston County 8 N Benson

14	1750EST 1752EST	0.25	25	0	0	0.00K	0.00K	Tornado (EF0)
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Law enforcement reported a tornado and multiple trees down on Stephenson Road.

Johnston County 2 NNE Clayton

14	1755EST			0	0	5.00K	0.00K	Lightning
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A spotter reported a barn fire caused by lightning north of Clayton.

Storm Data and Unusual Weather Phenomena

September 2007

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

Johnston County Coats Xrds

14 1810EST 0 0 0.00K 0.00K Funnel Cloud

Multiple reports of funnel clouds were reported by the public near Coats Crossroads.

Wake County Varina

14 1813EST 0 0 0.00K 0.00K Thunderstorm Wind (50EG)

Widespread tree damage was reported on Old Hunneycut Road, Purfoy Road and Main Street.

Wake County 2 ENE Varina

14 1815EST 0 0 0.00K 0.00K Thunderstorm Wind (50EG)

A large tree fell onto the roof of a nursing home near the Five Points area causing significant damage. All of the residents had to be evacuated.

Wake County Varina

14 1815EST 0 0 0.00K 0.00K Thunderstorm Wind (50EG)

A trained spotter reported a tree down across Vance Street inside the city limits.

Wake County Varina

14 1815EST 0 0 0.00K 0.00K Thunderstorm Wind (50EG)

A spotter reported a tree and limbs suspended on power lines on Academy Street.

Wake County 3 SW Garner

14 1825EST 0.1 25 0 0 0.00K 0.00K Tornado (EF0)

Public reported a brief touch down of a tornado with debris just south of Garner near Lake Benson.

Harnett County Angier

14 1850EST 0 0 0.00K 0.00K Thunderstorm Wind (50EG)

Several trees and a few power lines were blown down in the town if Ainger.

Johnston County 2 N Selma

14 1856EST 0 0 0.00K 0.00K Thunderstorm Wind (50EG)

Numerous trees were blown down on State Route 96 and Old Beulah Road.

Johnston County Smithfield

14 2000EST
2100EST 0 0 0.00K 0.00K Flash Flood

Market Street was closed due to flooding of a railroad underpass by several feet of water.

Harnett County Spout Spgs

14 2100EST
2200EST 0 0 0.00K 0.00K Flash Flood

Several roads were closed due to flash flooding including Highway 24 in the western portion of the county.

Johnston County Benson

14 2145EST
2245EST 0 0 0.00K 0.00K Flash Flood

Law enforcement reported that a portion of Interstate 95 was flooded and closed with cars several submerged. Several water rescues were conducted by the local fire department.

On the afternoon and evening of September 14th, tropical moisture streamed north ahead of the remnants of Humberto. The environment over Central North Carolina became supportive for tornado development as a surface boundary stalled across the area.

NORTH CAROLINA, Central Coastal

Carteret County 2 ESE Core Creek

09 1200EST
2100EST 0 0 0.00K 0.00K Heavy Rain

The highest storm total precipitation, 8.3 inches, was measured along Highway 101 north of Beaufort.

Storm Data and Unusual Weather Phenomena

September 2007

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

NCZ103

Eastern Dare

09	1800EST	0	0	0.00K	0.00K	Storm Surge/Tide
	2100EST					

Carteret County 6 N Beaufort

09	1900EST	0	0	5.00K	0.00K	Flood
	2200EST					

Heavy rainfall of 8.3 inches resulted in the flooding of a residence along Highway 101.

Tropical Storm Gabrielle made landfall just before noon on September 9th at Cape Lookout National Seashore with a central pressure of 1007 mb and maximum storm surge of 3 ft. Maximum sustained winds were near 43 knots (50 mph). The storm moved north-northeast and exited the northern Outer Banks near Kill Devil Hills in the evening. Wind gusts between 50 and 60 mph were reported over the southern Outer Banks from Ocracoke to Cape Hatteras during the afternoon, however no damage was reported. Minor beach erosion occurred along the south facing beaches with an estimated storm surge of 1 to 2 feet. An estimated sound side surge of 2 to 3 feet occurred over Hatteras Island during the evening as the storm passed to the north. No damage was reported from this sound side flooding, however, water did briefly cover parts of Highway 12 near Rodanthe and Salvo. Significant rainfall occurred across southern Craven and eastern Carteret counties during the afternoon. Rainfall amounts of 5 to 8 inches were common in this region with minor flooding of a few residences north of Beaufort. Property damage due to fresh water flooding were minor in Carteret county estimated at \$5K.

NORTH CAROLINA, Northwest and North Central

NCZ001>006-018

Ashe - Alleghany - Surry - Stokes - Rockingham - Caswell - Watauga - Wilkes - Yadkin

01	0000EST	0	0	0.00K	10.00M	Drought
30	2359EST					

Drought conditions worsened across the northwest mountains of North Carolina, east into the foothills and piedmont. September 18th, saw nine counties in northwest North Carolina enter into extreme drought status (D3). This extreme drought continued through the end of September. Crop damage estimated from county extension offices.

NORTH CAROLINA, South Coastal

New Hanover County 2 S Wilmington

12	1430EST	0	0	0.00K	0.00K	Funnel Cloud
	1438EST					

Skywarn net controller for NWS Wilmington NC reported a funnel cloud over the Cape Fear river at the State Port in Wilmington.

A thunderstorm produced a funnel cloud.

Robeson County Lumberton

14	2338EST	0	0			Thunderstorm Wind (60EG)
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The Robeson county 911 center reported a large tree down on Hwy 72.

The remnants of tropical system Humberto combined with a cold front to produce severe weather.

NCZ100

Brunswick

25	1430EST	0	0			Wildfire
28	0900EST					

A wildfire produced dense smoke over a portions of southern Brunswick County.

NORTH CAROLINA, Southwest

NCZ033-035>037- 048>053-056>059- 062>065-068>072- 082-501

Avery - Alexander - Iredell - Davie - Madison - Yancey - Mitchell - Swain - Haywood - Buncombe - Catawba - Rowan - Graham - Northern Jackson - Macon - Southern Jackson - Transylvania - Henderson - Cleveland - Lincoln - Gaston - Mecklenburg - Cabarrus - Union - Caldwell Mountains - Greater Caldwell - Burke Mountains - Greater Burke - McDowell Mountains - Eastern McDowell - Rutherford Mountains - Greater Rutherford - Polk Mountains - Eastern Polk

01	0000EST	0	0	0.00K	0.00K	Drought
30	2359EST					

Extreme drought conditions persisted across western North Carolina through September, as the region experienced another month of well-below normal precipitation. By the end of the month, most locations were running a yearly rainfall deficit of 11-17 inches. Stream flows and groundwater levels were near record low levels, with many streams running at 5 percent or less of normal flow. Water levels on area reservoirs were some of the lowest in recorded history. Agricultural interests continued to be especially hard hit. Farmers continued to struggle to feed livestock due to a lack of hay and poor pasture conditions, forcing many cattle to be sold or slaughtered. Agricultural and other losses attributed to the drought are estimated to be in the hundreds of millions of dollars. County-based losses for the growing season will be included in next month's Storm Data.

Storm Data and Unusual Weather Phenomena

September 2007

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
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NORTH DAKOTA, Central and West

McIntosh County

4 ESE Zeeland

23

1820CST

0

0

300.00K

400.00K

Thunderstorm Wind (74EG)

10 E Wishek

1900CST

Non-tornadic thunderstorm winds estimated up to 85 mph caused significant damage along a 27 mile path in McIntosh County. Damage was sustained to crops and farm outbuildings, and large trees were uprooted. Specifically, 4 miles east of Zeeland the roof was torn from a farm outbuilding, large trees were uprooted, a camper trailer was moved, and damage was done to sunflower crops. 5 miles east of Zeeland a farm outbuilding roof was torn off. 7 miles east of Zeeland to 4 west Ventura, tree limbs were down, quonsets damaged, and a large outbuilding was nearly collapsed. Along Danzig Road tree limbs were broken, trees uprooted, large barn wall pushed 2 inches off foundation, and large outbuilding roofs torn off and walls collapsed. Finally, 3 miles south of Lehr, a cattle barn was completely destroyed, tree limbs were broken, and wooden and metal fences were blown over.

Logan County

9 N Lehr

23

1900CST

0

0

0.00K

0.00K

Thunderstorm Wind (50MG)

1911CST

McIntosh County

Ashley

23

2009CST

0

0

0.00K

0.00K

Hail (0.75)

2014CST

In the mid afternoon of Sunday, September 23rd, Severe Thunderstorm Watch 685 was issued in anticipation of severe thunderstorms developing ahead of a surface cold front over western South Dakota, and ahead of an ejecting upper level trough over the Rockies. Several severe thunderstorm warnings were issued. Large hail and severe thunderstorm wind gust reports were received during the early and mid evening hours over McIntosh and Logan Counties. McIntosh County was hit hard by this event with a 27 mile long stretch of damage from southwest to northeast across the county.

NORTH DAKOTA, East

Cass County

3 WSW Leonard

21

0125CST

0

0

0.00K

0.00K

Hail (2.00)

Barnes County

Valley City

21

0145CST

0

0

0.00K

0.00K

Hail (0.75)

Cass County

1 N Horace

21

0155CST

0

0

0.00K

0.00K

Hail (1.00)

Cass County

2 WNW Fargo

21

0200CST

0

0

0.00K

0.00K

Hail (2.00)

Cass County

Fargo

21

0200CST

0

0

10.00K

0.00K

Lightning

Lightning struck a home in south Fargo, tearing a hole through the roof and causing insulation to fall onto the floor. Several light fixtures were knocked out of the ceiling, but no fire was reported.

Cass County

2 WNW Fargo

21

0204CST

0

0

0.00K

0.00K

Hail (1.75)

There were multiple reports of quarter size hail in north Fargo and one report of golf ball sized hail.

Cass County

1 NW Horace

21

0205CST

0

0

0.00K

0.00K

Hail (0.75)

Cass County

Fargo

21

0210CST

0

0

0.00K

0.00K

Hail (2.75)

Baseball sized hail fell at 58th Avenue South and University Drive.

Cass County

2 WNW Fargo

21

0210CST

0

0

30.00M

0.00K

Hail (3.50)

Baseball sized hail fell at the intersection of 19th Street and 33rd Avenue South. The large hail damaged many vehicles and homes.

Storm Data and Unusual Weather Phenomena

September 2007

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



Baseball size hail near Fargo, ND.

Cass County **2 WNW Fargo**

21	0213CST			0	0	0.00K	0.00K	Hail (1.75)
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This episode of storms dealt with 4 distinct groupings. The first group of storms began near Nashua in southeast Wilkin County (MN) and tracked to the northeast. The second began near Lake Park in western Becker County (MN) and tracked to the east-northeast. The third began near Enderlin in northern Ransom County (ND) and tracked to the east-northeast. And finally, the fourth group of storms formed near Goodridge in northeast Pennington County (MN) and tracked to the east-northeast. These storms appeared to be elevated too, forming near a tight 850 mb moisture gradient and a 35 to 45 knot low level jet. This event also had upper level jet support too.

Grand Forks County **2 NW Gilby**

23	2000CST			0	0	0.00K	0.00K	Thunderstorm Wind (55EG)
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About 12 trees were knocked down by strong winds.

Walsh County **Oakwood**

23	2040CST			0	0	0.00K	0.00K	Thunderstorm Wind (55EG)
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Strong winds uprooted several trees and broke down other tree branches in Oakwood. Shingle damage was reported on several homes and a church. A door was also ripped off a nearby quonset and a metal dumpster was pushed into a ditch.

A weak cold front passed into northeast North Dakota and extreme northwest Minnesota during the evening of the 23rd. A strong low level jet was located along and just to the east of the surface cold front, where 50 to 55 knots was measured in the 850-925 mb layer. Warm mid level temperatures kept most convection at bay, but in a thin area right along the boundary (from northwest of Gilby to east of Grafton, ND, to near Lancaster, MN), some weak thunderstorms mixed some of these stronger wind gusts down to the surface.

Benson County **3 S Baker**

29	1935CST			0	0	0.00K	0.00K	Hail (1.00)
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Late on the 29th, a cold front moved into western Benson County. A thunderstorm formed along this boundary and briefly produced quarter size hail.

OHIO, North

Erie County **Sandusky**

08	1645EST			0	0	25.00K	0.00K	Thunderstorm Wind (50EG)
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Numerous large limbs, several trees and power lines were reported down around Sandusky.

Trumbull County **Greene Center** **Kinsman**

08	2000EST 2240EST			0	0	25.00K	0.00K	Flash Flood
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Numerous roads across northern portions of the county were flooded, especially in Greene, Gustavus, and Kinsman Townships. Some of the flooded roads included State Routes 87 and 193. In Greene Township, basement flooding was reported.

Storm Data and Unusual Weather Phenomena

September 2007

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

A cold front moved through the area during the afternoon and evening hours of the 8th. Showers and thunderstorms developed along the cold front, and some of the thunderstorms became severe. Flooding conditions also occurred as the thunderstorms produced locally heavy rains.

Knox County Centerburg

25 1755EST 0 0 5.00K 0.00K Thunderstorm Wind (50EG)

Several trees were reported down.

Knox County Mt Vernon

25 1830EST 0 0 0.00K 0.00K Thunderstorm Wind (50MG)

The wind sensor at the county airport measured a wind gust of 50 knots.

Richland County Lucas

25 1855EST 0 0 4.00K 0.00K Thunderstorm Wind (50EG)

A few trees were reported down.

Ashland County Ashland

25 2030EST 0 0 100.00K 0.00K Thunderstorm Wind (50EG)
2035EST

Straight line winds created a damage path about one hundred yards wide and about four miles long. Along this path, numerous trees and large limbs were reported down. Several buildings had roof damage, and a box trailer was blown over by the severe winds.

Geauga County Auburn Center Newbury

25 2110EST 0 0 15.00K 0.00K Thunderstorm Wind (50EG)
2120EST

Several trees were reported down from Auburn Center to Newbury. Law enforcement also reported that additional trees were down throughout the entire county.

Geauga County Parkman

25 2115EST 0 0 1.00K 0.00K Thunderstorm Wind (50EG)

Two trees were reported down.

Ashtabula County Windsor

25 2200EST 0 0 4.00K 0.00K Thunderstorm Wind (50EG)

A few trees were reported down.

Ashtabula County Cherry Vly

25 2220EST 0 0 5.00K 0.00K Thunderstorm Wind (50EG)

A few trees were reported down.

A cold front was located from the central Great Lakes south through the Mississippi River Valley during the evening hours of the 25th. A warm, moist airmass over the region allowed for a few severe thunderstorms to developed during the evening and early overnight hours.

OHIO, Southeast

OHZ083>087

Jackson - Vinton - Meigs - Gallia - Lawrence

01 0000EST 0 0 0.00K 0.00K Drought
30 2359EST

Drought conditions crept north, as the month averaged warmer and drier than normal. The monthly rainfall was mostly between 1 and 2 inches.

Meigs County Rutland

26 1732EST 0 0 0.00K 0.00K Hail (0.75)

Meigs County Rutland

26 1736EST 0 0 0.00K 0.00K Hail (0.88)

Meigs County Pomeroy

26 1743EST 0 0 0.00K 0.00K Hail (1.00)

Meigs County Chester

26 1750EST 0 0 50.00K 0.00K Hail (1.75)

Storm Data and Unusual Weather Phenomena

September 2007

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

Meigs County

Chester

26	1750EST			0	0	10.00K	0.00K	Thunderstorm Wind (50EG)
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Power lines were knocked down by broken tree limbs.

Athens County

Coolville

26	1810EST			0	0	0.00K	0.00K	Hail (1.00)
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In close proximity to a front, an upper air disturbance combined with daytime heating, to trigger thunderstorms. The strongest cell developed over Meigs County near Rutland. The storm moved northeast through the Chester vicinity, then reached into southeast Athens County. In the aftermath of the storm, Route 7 near Chester was reported in gridlock due to the fallen hail and tree branches, plus the air cooled fog.

OHIO, Southwest

Butler County

Oxford Miami Univ Ar

08	1530EST 1534EST			0	0	3.00K	0.00K	Thunderstorm Wind (50EG)
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A few walnut trees were knocked down on the Miami University campus.

Fairfield County

3 SE Millersport

08	1600EST 1604EST			0	0	15.00K	0.00K	Thunderstorm Wind (50EG)
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Twenty trees were downed along the south shore of Buckeye Lake. Three homes sustained minor damage from the tree debris. Several large limbs were thrown into the lake, and a few metal flag poles were bent. Damage may have come from a possible microburst.

Strong thunderstorms developed along a stationary boundary during the afternoon, causing isolated wind damage.

Clermont County

1 E Chilo

26	1400EST 1405EST			0	0	12.00K	0.00K	Thunderstorm Wind (55EG)
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An estimated thirty trees were knocked down in the Crooked Run Nature Preserve. Numerous large limbs and several sixteen inch diameter sycamore trees were downed along the north bank of the Ohio River.

Brown County

5 SW Georgetown

26	1419EST 1423EST			0	0	3.00K	0.00K	Thunderstorm Wind (50EG)
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Trees and power lines were knocked down.

A few strong to severe thunderstorms developed during the afternoon ahead of a cold front.

OKLAHOMA, Eastern

Tulsa County

Tulsa

08	0120CST 0330CST			0	0	30.00K	0.00K	Flash Flood
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Heavy rain caused widespread severe street flooding across the City of Tulsa. Numerous vehicles were stranded in the flood waters. The worst reports of flooding were on Sheridan Avenue between 42nd and 46th Street South where water was three to four feet deep. Cars were stranded in the high water.

Wagoner County

2 E Broken Arrow

08	0235CST 0400CST			0	0	0.00K	0.00K	Flash Flood
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Heavy rains caused roads to be flooded in the eastern part of Broken Arrow.

Tulsa County

3 S Collinsville

08	0350CST 0700CST			0	0	0.00K	0.00K	Flash Flood
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Highway 20 was closed due to flooding between Highway 169 and the Rogers County border. Up to four feet of water was over the road.

Creek County

Oilton

08	0650CST 0800CST			0	0	25.00K	0.00K	Flash Flood
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Heavy rains caused secondary roads around Oilton to be flooded. Some roads were washed out.

Rogers County

Talala

08	0800CST 0930CST			0	0	0.00K	0.00K	Flash Flood
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Heavy rain caused flooding of secondary roads near Talala.

Storm Data and Unusual Weather Phenomena

September 2007

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

Sequoyah County Sallisaw	Flash flooding occurred in northeast Oklahoma during the early morning hours.								
	08	1305CST			0	0	1.00K	0.00K	Thunderstorm Wind (52EG)
Thunderstorm winds estimated at 60 miles an hour blew down a sign. The sign hit a car.									
An isolated severe thunderstorm occurred in Sequoyah County.									
Muskogee County Muskogee	09	0300CST			0	0	0.00K	0.00K	Flash Flood
		0500CST							
Several roads were flooded in and around Muskogee.									
Le Flore County 9 SW Heavener Big Cedar	09	0600CST			0	0	50.00K	0.00K	Flash Flood
		0830CST							
Heavy rains caused flooding of numerous secondary roads across southern Le Flore county. A few bridges were washed out near Big Cedar.									
Pushmataha County 3 E Corinne	09	0915CST			0	0	0.00K	0.00K	Flash Flood
		1030CST							
Heavy rain caused secondary roads near Corinne to be flooded.									
Pittsburg County Hartshorne	09	0930CST			0	0	0.00K	0.00K	Flash Flood
		1030CST							
Heavy rain caused roads in and near Hartshorne to be impassible due to high water.									
Heavy rain caused flashing flooding across parts of east central and southeast Oklahoma.									
Pushmataha County 1 N Sobol	27	1326CST			0	0	0.00K	0.00K	Hail (0.88)
Pushmataha County 1 N Sobol	27	1328CST			0	0	0.00K	0.00K	Thunderstorm Wind (57EG)
Pushmataha County 2 WSW Sobol	27	1340CST			0	0	0.00K	0.00K	Hail (0.88)
Choctaw County 2 SW Apple	27	1430CST			0	0	0.00K	0.00K	Thunderstorm Wind (61EG)
	Thunderstorm winds estimated at 70 miles an hour blew down trees. One tree blocked a road.								
Choctaw County Messer	27	1432CST			0	0	0.00K	0.00K	Hail (0.88)
	Isolated severe thunderstorms occurred during the afternoon in far southeast Oklahoma.								
Craig County 4 N Welch	30	1745CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
	Thunderstorm winds estimated at 60 miles an hour blew down large tree limbs.								
Ottawa County 1 E Miami	30	1808CST			0	0	0.00K	0.00K	Thunderstorm Wind (61EG)
	Thunderstorm winds estimated at 70 miles an hour blew down a tree. The tree blocked a road.								
Adair County 1 W Westville	30	2055CST			0	0	0.00K	0.00K	Thunderstorm Wind (61EG)
	Thunderstorm winds estimated at 70 miles an hour blew down a tree. The tree blocked a road.								

Storm Data and Unusual Weather Phenomena

September 2007

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

Cherokee County Cookson

30	2143CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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Thunderstorm winds estimated at 60 miles an hour blew down numerous large tree limbs.

A few severe thunderstorms occurred across far northeast Oklahoma during the evening hours.

OKLAHOMA, Extreme Southeast

McCurtain County 10 W Broken Bow

09	1000CST 1400CST			0	0	0.00K	0.00K	Flash Flood
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Campers were stranded along Glover River requiring rescue. No one was injured.

A weak cold front moved into southeast Oklahoma during the morning hours of September 9th. The front served as a focus for thunderstorms during the morning. These thunderstorms produced copious amounts of rainfall along the Glover River of McCurtain County, Oklahoma.

OKLAHOMA, Panhandle

Cimarron County 4 W Boise City

28	1535CST			0	0	0.00K	0.00K	Hail (0.75)
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Cimarron County Boise City

28	1535CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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A severe thunderstorm produced hail and high winds across the western Oklahoma Panhandle during the late afternoon hours. No damage or injuries were reported.

OKLAHOMA, Western Central and Southeast

Beckham County Mayfield

06	1720CST			0	0	1.00K	0.00K	Thunderstorm Wind (52EG)
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A three-inch diameter tree limb was blown down. Monetary damages were estimated.

Washita County Burns Flat

06	1841CST			0	0	0.00K	0.00K	Thunderstorm Wind (58MG)
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The wind gust was measured at the Clinton/Sherman airport.

Harmon County Gould

06	1955CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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Kiowa County 1 W Lugert

06	2030CST			0	0	10.00K	0.00K	Thunderstorm Wind (56EG)
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A screened in porch of a house was ripped off and blown over the house. The house was located in the Boydville Community off Northshore Road. A few cottonwood trees were downed as well. Monetary damages were estimated.

An upper level trough of low pressure, coupled with moisture from former Hurricane Henriette allowed for thunderstorms to develop over parts of the Texas Panhandle. These thunderstorms became severe as they moved east toward western Oklahoma. The thunderstorms were able to maintain their intensity as they moved into western Oklahoma producing high winds. Wind gusts over 60 mph were common, and some minor damage was reported. Monetary damages were estimated.

Pontotoc County 3 S Ada

07	1450CST			0	0	0.00K	0.00K	Hail (1.00)
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Caddo County 5 SSE Anadarko

07	1650CST			0	0	10.00K	0.00K	Thunderstorm Wind (56EG)
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A roof was blown off of a wooden barn. The roof was blown to the northeast. Monetary damages were estimated.

Dewey County Putnam

08	0000CST 0200CST			0	0	0.00K	0.00K	Flash Flood
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A few county roads were closed near Putnam.

Storm Data and Unusual Weather Phenomena

September 2007									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
OKLAHOMA, Western Central and Southeast									
Major County									
Fairview	08	0300CST 0330CST			0	0	15.00K	0.00K	Flash Flood
Nearly six inches of rain in just a couple of hours resulted in rapidly rising water in Fairview. Several homes sustained damage as water entered. Several streets around town had to be closed due to water running over top of them. The county sheriff also reported two cars washed off the roadway due to the high water near Ames. . Monetary damages were estimated.									
Garfield County									
Enid	08	0300CST 0845CST			0	0	5.00K	0.00K	Flood
Four to seven inches of rain in a short period of time allowed for widespread flooding in Enid. Several water rescues were necessary after motorists drove into flood waters. Several roads in and around Enid were closed due to the rapidly rising water. Monetary damages were estimated. An upper level disturbance approached Oklahoma from the Texas panhandle during the afternoon and evening hours of the 7th. A stationary front was located over northwest Oklahoma and extended down into parts of the Texas panhandle. A stationary outflow boundary from previous convection was located near Interstate 44, with yet another smaller outflow boundary located a hundred miles to the south. Afternoon heating along the outflow boundaries allowed for scattered thunderstorms to develop. Some of the these thunderstorms became severe with large hail reported south of Ada and severe winds that produced some roof damage south of Anadarko. Later in the evening, showers and thunderstorms with intense heavy rain developed over the southern Texas panhandle and moved northeast between the stationary front and stationary outflow boundary. With the high rainfall rates, flash flooding occurred. The area of precipitation continued to move northeast before exiting northern and central Oklahoma during the mid morning hours. Monetary damages were estimated.									
Harmon County									
5 SW Hollis	09	1305CST 1515CST			0	0	0.00K	0.00K	Flash Flood
The county road was closed due to rising water over the roadway. September 9th saw yet another day of thunderstorms with very heavy rainfall. Thunderstorms developed over southwest Oklahoma and moved southeast to near the Red River. Flash flooding occurred as slow moving thunderstorms repeatedly affected the same areas. No damage was reported with the flooding.									
Oklahoma County									
(OKC)Will Rogers Apt	09 10	2300CST 0600CST			0	0	0.00K	0.00K	Heavy Rain
6.28 inches of rain fell from midnight to 7 am.									
Oklahoma County									
(OKC)Will Rogers Apt	09 10	2300CST 0600CST			0	0	0.00K	0.00K	Heavy Rain
4.86 inches of rain fell from midnight to 7 am.									
Cleveland County									
8 W Moore	10	0700CST			0	0	20.00K	0.00K	Flood
Local media outlets reported that Cow Creek overflowed its banks. The roadway from 104th to 134th Streets and Macarthur Avenue flooded as a result. Several cars stalled while attempting to drive through the high water. Water also entered a home at SW 199th and Rockwell. Monetary damages were estimated. A weak cold front was located from northeast to southwest, draped over Oklahoma county during the early morning hours. Lift associated with the low-level jet and rich, abundant moisture allowed for very heavy rain to develop over parts of Oklahoma and Cleveland counties. Individual thunderstorms moved off to the east, but additional development to the west resulted in storms training over the same areas. As a result, a narrow band of two to four inches of rain fell over a three to four hour time period. Localized areas, including Will Rogers World Airport received over six inches of rainfall. Cow Creek overflowed its banks, flowing over the roadway in northwest Cleveland county. Several cars stalled while attempting to drive through the high water. Monetary damages were estimated.									
Bryan County									
1 W Bennington	25	1755CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
Isolated severe thunderstorms developed over southeast Oklahoma near a cold front. Many of the thunderstorms remained below severe levels. However, a severe wind gust was reported near Bennington. No damage was reported.									
Ellis County									
1 S Shattuck Arpt	26	1716CST			0	1	15.00K	0.00K	Hail (1.75)
Hail up to golf ball size covered the ground. Several windshields shattered due to the hail. One person caught outside received minor injuries from the hail. Monetary damages were estimated.									
Roger Mills County									
6 NW Reydon	26	1815CST			0	0	0.00K	0.00K	Hail (0.88)

Storm Data and Unusual Weather Phenomena

September 2007									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage	Crops	Character of Storm
OKLAHOMA, Western Central and Southeast									
Roger Mills County Dempsey	26	1905CST			0	0	0.00K	0.00K	Hail (1.00)
Beckham County 4 N Sayre	26	1920CST			0	0	0.00K	0.00K	Hail (1.50)
Roger Mills County 5 ENE Sweetwater	26	1925CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
Beckham County Elk City	26	1942CST			0	0	0.00K	0.00K	Hail (0.88)
	The hail was reported on the west side of the city.								
Beckham County 5 N Carter	26	1958CST			0	0	0.00K	0.00K	Hail (1.00)
Washita County 10 WSW Sentinel	26	2030CST			0	0	0.00K	0.00K	Thunderstorm Wind (57MG)
Beckham County Retrop Carter	26	2032CST			0	0	0.00K	0.00K	Hail (0.88)
Washita County 10 W Sentinel	26	2040CST			0	0	0.00K	0.00K	Hail (0.75)
Beckham County 5 N Carter	26	2042CST			0	0	0.00K	0.00K	Hail (1.00)
Kiowa County Hobart	26	2100CST			0	0	0.00K	0.00K	Hail (0.75)
Kiowa County Hobart	26	2115CST			0	0	8.00K	0.00K	Thunderstorm Wind (56EG)
	A tree was blown down onto two vehicles. Monetary damages were estimated.								
Kiowa County 4 SE (HBR)Hobart Airport	26	2120CST			0	0	0.00K	0.00K	Thunderstorm Wind (56MG)
Comanche County Cache	26	2135CST			0	0	0.00K	0.00K	Hail (0.88)
Kiowa County Hobart	26	2135CST			0	0	2.00K	0.00K	Thunderstorm Wind (56EG)
	A window was blown out at the Ford Dealership at 4th and Washington. Monetary damages were estimated.								
Kiowa County Hobart	26	2145CST			0	0	8.00K	0.00K	Thunderstorm Wind (56EG)
	A tree was blown onto two cars at 4th and Randlett. Monetary damages were estimated.								
Moist air moved north through the Texas panhandle during the afternoon, ahead of a surface low pressure area centered west of Amarillo, Texas. Thunderstorms developed over this area and pushed east into western Oklahoma during the early evening hours. Although the thunderstorms only affected a very small area, they were fairly intense. Hail up to golf ball size and winds of 65 mph were reported with the thunderstorms. One injury was reported due to the hail.									
Washita County (CSM)Clinton Sherman Airport	28	1543CST			0	0	0.00K	0.00K	Thunderstorm Wind (55MG)

Storm Data and Unusual Weather Phenomena

September 2007

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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OKLAHOMA, Western Central and Southeast

Showers and thunderstorms developed along a weak boundary that was located over parts of western and southwest Oklahoma. Much of the activity remained below severe limits, but a severe wind gust was reported near Clinton as a thunderstorm moved slowly toward the northeast. No damage was reported with the wind gust.

OREGON, Central and East

ORZ043

Central Oregon

01	0000PST				0	0	0.00K	0.00K	Wildfire
11	1800PST								

The GW Fire, 13 miles west of Sisters, was started by lightning and burned 7,357 acres between August 31 and September 11. Residents of Black Butte Ranch were evacuated on September 3 and allowed to return September 4.



GW Fire Smoke Plume September 6. Credit: Arlington Ashby

Grant County 8 S Kimberly

04	1140PST				0	0	0.00K	0.00K	Heavy Rain
	1240PST								

Spotter reported 0.65 inch of rainfall in 1 hour.

An upper level low pressure area in southwest Oregon produced numerous thunderstorms across Central Oregon and Grant County.

ORZ050

Wallowa County

16	1200PST				0	0	0.00K	0.00K	Wildfire
21									

The Saddle Gulch Fire, 4 miles east southeast of Imnaha, was started by lightning and burned 4100 acres from September 16 to 21.

OREGON, Northwest

Multnomah County 8 E Portland

28	1420PST				0	0	5.00K	0.00K	Hail (0.50)
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Estimated half-inch hail fell near 162nd and Main.

Linn County 2 N Lebanon

28	1700PST				0	0	5.00K	0.00K	Hail (0.50)
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Half-inch hail was reported at the farmhouse the tornado hit.

Linn County Albany

28	1700PST				0	0	5.00K	0.00K	Hail (0.50)
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Half-inch hail fell, and was reported to be 2-3 inches deep.

Linn County 3 N Lebanon

28	1700PST	1	350	0	0	20.00K	22.00K	Tornado (EF0)
	1710PST							

Storm Data and Unusual Weather Phenomena

September 2007

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

Storm survey found tornado off of Tennessee School Drive was on the ground for 5-10 minutes, with a path a little less than a mile in length, and maximum width 350 yards. Tornado tracked northwest to southeast over open fields and then in trees. Six farm buildings damaged, mostly roof damage. Estimated 90-100 mature trees damaged, with 20-30 of them snapped off low in the trunk, and 6 to 8 uprooted. One tree fell on farmhouse sustaining minor damage. Rated EF0 on enhanced Fujita scale, with gusts 75 to 85 mph.

In an unstable atmosphere, several thunderstorms moved over the forecast area. One such storm produced a short-lived tornado, that did considerable damage to a local farm. Dime size hail was also reported with the storm.

OREGON, Southwest

ORZ030

Northern & Eastern Klamath County & Western Lake County

21	0200PST 0800PST			0	0	0.00K	0.00K	Frost/Freeze
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A Freeze Warning was issued for Oregon zone ORZ030 at 20/1542 PDT, effective from 21/0200 until 21/0800 PDT. There were two reported observations from the zone: 28 degrees at Chemult, which verified the warning, and 37 degrees at Bly, which did not.

ORZ029>031

Klamath Basin - Northern & Eastern Klamath County & Western Lake County - Central & Eastern Lake County

24	0200PST 0900PST			0	0	0.00K	0.00K	Frost/Freeze
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A Freeze Warning was issued for Oregon zones ORZ029/030/031 at 23/0314 PDT, effective from 24/0200 until 24/0900 PDT. Reported low temperatures ranged from 15 to 33 degrees in the warning area, so the warning verified well.

25	0200PST 0832PST			0	0	0.00K	0.00K	Frost/Freeze
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A Freeze Warning was issued for California zone CAZ084 and Oregon Zone ORZ029 at 24/1437 PDT, effective from 25/0200-25/0900 PST. The warning was cancelled at 25/0832 PST. Reported low temperatures in ORZ029 ranged from 27 to 28 degrees, so this warning verified.

27	0200PST 0800PST			0	0	0.00K	0.00K	Frost/Freeze
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A Frost Advisory was issued for Oregon zone ORZ029 this night...but reported lows ranged from 20 to 30 degrees. A Freeze Warning should have been issued for this event.

29	0100PST 0900PST			0	0	0.00K	0.00K	Frost/Freeze
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A Freeze Warning was issued for California zone CAZ084 and Oregon Zone ORZ029 at 28/0211 PDT, effective from 29/0100-29/0900 PDT. The warning was cancelled at 29/0900 PST. Reported low temperatures in ORZ029 ranged from 17 to 24 degrees, so this warning verified.

PENNSYLVANIA, Central

Warren County 1 E Tidioute

26	1648EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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Warren County emergency management reported lines down in Tidioute.

Warren County 1 E Tidioute

26	1650EST			0	0	0.00K	0.00K	Hail (1.75)
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Golf-ball sized hail reported in Tidioute by Warren County Emergency Management.

Warren County 3 ENE Tidioute

26	1700EST 1710EST	3	50	0	0	0.00K	0.00K	Tornado (EF1)
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NWS storm survey confirmed EF1 tornado just northeast of Tidioute. Peak winds estimated at 90-100 MPH.

The tornado touched down two miles northeast of Tidioute in southern Warren County...then tracked northeast along the Allegheny River for an additional three miles. Several hunting cabins and uninhabited dwellings were damaged. Hundreds of trees were toppled or damaged. Several eyewitnesses saw the descending funnel cloud in the vicinity of Tidioute and one reported seeing the tornado on the ground.

Warren County 2 WSW Old Clarendon

26	1708EST			0	0	0.00K	0.00K	Funnel Cloud
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Funnel cloud spotted at Chapman State Park.

Warren County Clarendon

26	1710EST			0	0	0.00K	0.00K	Hail (0.75)
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Storm Data and Unusual Weather Phenomena

September 2007

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

Warren County **1 SE Warren**

Public reported penny-sized hail reported in Clarendon.

26	1720EST			0	0	0.00K	0.00K	Funnel Cloud
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Several reports of funnel clouds spotted in the Warren area.

Mckean County **1 SW East Kane**

26	1731EST			0	0	0.00K	0.00K	Funnel Cloud
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Funnel cloud reported a few miles southwest of Kane near James City. Kane law enforcement also captured video and an image of the funnel cloud.

Strong wind shear, abnormally warm temperatures, and high humidity for late September combined to produce severe thunderstorms - and one confirmed EF1 tornado near Tidioute, PA in Warren County.

Numerous reports of funnel clouds were received in real time as the event was on-going.



Funnel cloud near James City just SSW of Kane. Photo courtesy of Kane Law Enforcement.

Lycoming County **Jersey Shr**

27	1729EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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Lycoming County Law enforcement reported trees down along Route 44 near Jersey Shore.

Lycoming County **Balls Mills**

27	1755EST			0	0	0.00K	0.00K	Hail (1.00)
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Trained spotter reported quarter-sized hail just north of Cogan Station along Route 15.

Strong thunderstorms initiated in an unseasonably warm and humid airmass ahead of a cold front during the afternoon and evening hours. Severe weather was confined only to Lycoming County.

PENNSYLVANIA, East

PAZ054-055

Carbon - Monroe

01	0000EST			0	0	0.00K	0.00K	Drought
05	2359EST							

Storm Data and Unusual Weather Phenomena

Location	Date	Time	Path	Path	Number of		Estimated	Crops	Character of Storm	September 2007
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Damage Property			

PENNSYLVANIA, East

The Pennsylvania Department of Environmental Protection removed Carbon County from the drought watch on September 5th as groundwater levels improved. The drought watch continued for Monroe County. September overall was a dry month across eastern Pennsylvania. County weighted monthly rainfall averages ranged from 0.4 inches in Chester and Montgomery Counties to 1.8 inches in Carbon County. Normal is around 4.0 inches. The greater Philadelphia Metropolitan area had less than 75 percent of its normal rainfall. At the Philadelphia International Airport, it was the sixth driest September on record. The rainfall total was 0.58 inches. Normal is 3.88 inches. At the Lehigh Valley International Airport, it was the third driest September on record. The monthly rainfall total was 0.57 inches. Normal is 4.37 inches. Other monthly precipitation totals included 0.98 inches in Reading (normal is 4.36 inches) and 2.31 inches in Mount Pocono (normal is 4.98 inches).

A drought watch calls for a 5 percent voluntary reduction in non-essential water usage. Locally a drought warning remained in effect for East Stroudsburg (Monroe County). The one crop that was not expected to be affected by the drought was pumpkins.

PENNSYLVANIA, Northwest

Erie County

Mill Vlg

08	1650EST 1800EST			0	0	5.00K	0.00K	Flash Flood
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Heavy rainfall flooded an underpass in less than ten minutes. The underpass was closed as floodwaters rose to a depth of five feet. A creek nearby left its banks and helped flood the underpass so quickly.

A cold front moved through the area during the afternoon and evening hours of the 8th. Showers and thunderstorms developed along the cold front, and some of the thunderstorms became severe. Flooding conditions also occurred as the thunderstorms produced locally heavy rains.

Crawford County

Cochranton

26	1545EST			0	0	8.00K	0.00K	Thunderstorm Wind (50EG)
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Numerous trees were reported down within and around Cochranton.

Crawford County

Titusville

26	1620EST			0	0	6.00K	0.00K	Thunderstorm Wind (50EG)
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Several trees were reported down.

A cold front moved through northwest Pennsylvania during the late afternoon hours of the 26th. Some of the thunderstorms ahead of the cold front became severe.

PENNSYLVANIA, West

Venango County

1 S Petroleum Center

26	1630EST			0	0	25.00K	0.00K	Thunderstorm Wind (50EG)
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Emergency management reported numerous trees and power lines down.

Venango County

1 S Pleasantville

26	1635EST			0	0	20.00K	0.00K	Thunderstorm Wind (50EG)
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Emergency management reported numerous trees and power lines down.

Forest County

1 NW West Hickory

26	1647EST			0	0	20.00K	0.00K	Thunderstorm Wind (50EG)
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Emergency management reported numerous trees down blocking Routes 666 and 127 in the West Hickory area.

Allegheny County

1 N Option

26	1850EST			0	0	30.00K	0.00K	Thunderstorm Wind (50EG)
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Emergency management reported trees and wires down in the north side region of Pittsburgh and in Lawrenceville.

Armstrong County

1 W North Vandergrift

26	1925EST			0	0	25.00K	0.00K	Thunderstorm Wind (50EG)
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Emergency management reported numerous trees down around Vandergrift.

Westmoreland County

East Vandergrift

26	1925EST			0	0	15.00K	0.00K	Thunderstorm Wind (50EG)
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Storm Data and Unusual Weather Phenomena

September 2007

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

Armstrong County 1 E Apollo	Emergency management reported numerous trees down.								
	26	1930EST			0	0	25.00K	0.00K	Thunderstorm Wind (50EG)
Armstrong County 1 NE Leechburg Arpt	Emergency management reported numerous trees and wires down.								
	26	1930EST			0	0	30.00K	0.00K	Thunderstorm Wind (50EG)
Armstrong County 1 E Orchard Hills	Emergency management reported numerous trees and wires down in Parks TWP.								
	26	1935EST			0	0	25.00K	0.00K	Thunderstorm Wind (50EG)
Fayette County Chalkhill	Emergency management reported numerous trees and wires down in Kiskiminetas TWP.								
	26	2210EST			0	0		0.00K	Thunderstorm Wind (52MG)
A trained spotter and COOP observer reported a measured wind gust to 60 MPH.									
Scattered severe thunderstorms developed over Western Pennsylvania and Northern West Virginia ahead of a strong cold front moving east from the Great Lakes.									

SOUTH CAROLINA, Central

Lexington County 3 WSW Gaston	12	1700EST			0	0	20.00K	0.00K	Thunderstorm Wind (55EG)
	A microburst moved across a field through a mobile home community and took down a couple of trees, did minor damage to the skirting around a dozen mobile homes, and lifted a carport off its foundation and rolled it about 40 yards. The carport was open in the front and closed on the sides and back.								
Sumter County 5 W Sumter	12	1753EST			0	0	5.00K	0.00K	Thunderstorm Wind (55EG)
	Fire dept. reported numerous sheds damaged and blown across state hwy 763. One railroad crossing arm blown over at the intersection of Cane Savannah and Wedgefield roads. Isolated storms caused some wind damage in Lexington and Sumter counties.								
Bamberg County 3 NW Ehrhardt	14	2030EST			0	0	3.00K	0.00K	Thunderstorm Wind (55EG)
		2035EST							
Edisto Electric Coop reported trees down on powerlines and also across the road on hwy 64.									
Isolated storms moved through the CSRA and produced some locally heavy rains and wind damage.									

SOUTH CAROLINA, North Coastal

Williamsburg County 2 ESE Hebron Xrds	14	2215EST	0	0	Hail (1.00)
		2230EST			
	Nickel to quarter size hail was reported.				
Marion County 4 SSE Marion	14	2330EST	0	0	Thunderstorm Wind (60EG)
	A large tree was blown down across the intersection of Rt 9 and 41.				
	The remnants of tropical system Humberto linked up with a cold front to produce severe weather.				

SOUTH CAROLINA, Northwest

SCZ001>014-019	Oconee Mountains - Pickens Mountains - Greenville Mountains - Greater Oconee - Greater Pickens - Greater Greenville - Spartanburg - Cherokee - York - Anderson - Abbeville - Laurens - Union - Chester - Greenwood								
	01 30	0000EST 2359EST			0	0	0.00K	0.00K	Drought

Storm Data and Unusual Weather Phenomena

September 2007

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

Extreme drought conditions persisted across the Upstate and northwest Piedmont of South Carolina through September, as the region experienced another month of well-below normal precipitation. By the end of the month, most locations were running a yearly rainfall deficit of 11-17 inches. Stream flows and groundwater levels were near record low levels, with many streams running at 5 percent or less of normal flow. Water levels on area reservoirs were some of the lowest in recorded history. Agricultural interests continued to be especially hard hit. Farmers continued to struggle to feed livestock due to a lack of hay and poor pasture conditions, forcing many cattle to be sold or slaughtered. Agricultural and other losses attributed to the drought are estimated to be in the hundreds of millions of dollars. County-based losses for the growing season will be included in next month's Storm Data.

Laurens County **6 ENE Clinton**

14	1740EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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Several large tree limbs blown down on Philson Rd.

Laurens County **2 ENE Hickory Tavern**

14	1844EST	0.1	25	0	0	10.00K	0.00K	Tornado (EF1)
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A small area of tornado damage occurred along Greenpond Rd near its intersection with Shiloh Church Rd. A chimney was blown off a house that also had several windows blown out. The house also received significant roof damage. A mobile home in the same area also received significant roof damage and was shifted off its foundation by about 20 degrees.

A line of thunderstorms produced a brief tornado and some wind damage over upstate South Carolina during the evening hours.

SOUTH CAROLINA, South Coastal

Beaufort County **1 E Beaufort**

01	1059EST 1159EST			0	0	0.00K	0.00K	Flash Flood
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The Beaufort County Emergency Operations Center reported most of downtown Beaufort was flooded. Additionally, 2 feet of standing water was reported on Highway 21 on St. Helena Island. Sea Island Parkway and Seaside Road were both reported to be closed due to high water.

The presence of an area of surface low pressure southwest of the area, an approaching frontal boundary from the northwest, and abundant weak upper level disturbances in a deep tropically moist environment, resulted in heavy rainfall and flash flooding across the area.

Dorchester County **1 W Ridgeville**

12	1413EST			0	0	0.00K	0.00K	Hail (0.88)
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Nickel size hail was reported around Ridgeville.

An upper level shortwave trough pushing into a moderately unstable environment, resulted in scattered showers and thunderstorms across southern South Carolina.

Hampton County **1 NW Hampton**

14	2005EST			0	0	1.00K	0.00K	Thunderstorm Wind (50EG)
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One tree was reported down and blocking Mulberry Street.

Colleton County **H And B Jct**

14	2020EST			0	0	1.50K	0.00K	Thunderstorm Wind (50EG)
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One tree was reported down and blocking Bells Highway. Power lines were also reported down.

Charleston County **1 NW Ladson**

14	2155EST			0	0	0.00K	0.00K	Hail (1.00)
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Quarter size hail was reported on Ladson Road.

Scattered thunderstorms rapidly intensified along a surface low pressure trough across southern South Carolina and Southeast Georgia.

SCZ048>051

Beaufort - Southern Colleton - Charleston - Coastal Jasper

30	0000EST 2359EST			0	0	160.00K	0.00K	High Surf
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Strengthening High pressure over New England and low pressure off the Southeast U.S. coastline, resulted in a tight pressure gradient across southern South Carolina and Southeast Georgia. Strong Northeast winds and High Astronomical Tides combined to produce significant Beach Erosion across the region.

SOUTH DAKOTA, Central and North

Spink County **Ashton**

01	0000CST			0	0	0.00K	0.00K	Flood
03	0800CST							

After it had been flooding since early May, the James River finally fell below flood stage on September 3rd.

Storm Data and Unusual Weather Phenomena

September 2007

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
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SOUTH DAKOTA, Central and North

Stanley County

1 NW Ft Pierre 01 1600MST 0 0 0.00K 0.00K Hail (0.88)

An isolated thunderstorm moved through the Fort Pierre area and produced some nickel sized hail.

Edmunds County

6 S Mina 20 0203CST 0 0 0.00K 0.00K Hail (0.88)

Day County

3 WSW Lily 20 0242CST 0 0 0.00K 0.00K Thunderstorm Wind (52EG)

Hyde County

24 N Highmore Arpt 20 0245CST 0 0 0.00K 0.00K Hail (0.75)

Faulk County

10 S Seneca 20 0300CST 0 0 0.00K 0.00K Hail (1.75)

Faulk County

2 NE Wecota 20 0338CST 0 0 0.00K 0.00K Hail (0.88)

Spink County

4 ENE Frankfort 20 0352CST 0 0 0.00K 0.00K Hail (0.88)

Faulk County

2 NE Wecota 20 0355CST 0 0 0.00K 0.00K Hail (0.88)

Clark County

1 W Elrod 20 0500CST 0 0 0.00K 0.00K Hail (1.75)

Codington County

5 NW Grover 20 0500CST 0 0 0.00K 0.00K Hail (1.75)

Day County

4 NW Lily 20 0500CST 0 0 0.00K 0.00K Hail (0.88)

Day County

3 WNW Lily 20 0520CST 0 0 0.00K 0.00K Hail (1.00)

Hamlin County

1 SE Castlewood 20 0550CST 0 0 0.00K 0.00K Hail (0.88)

Deuel County

5 NW Toronto 20 0630CST 0 0 0.00K 0.00K Hail (1.00)

Deuel County

5 NW Toronto 20 0630CST 0 0 0.00K 0.00K Thunderstorm Wind (52EG)

Many branches were downed by the strong winds.

Deuel County

3 WNW Brandt 20 0635CST 0 0 0.00K 0.00K Thunderstorm Wind (52EG)

Large tree branches were broken off along Highway 15.

Grant County

Milbank 20 0921CST 0 0 0.00K 0.00K Hail (0.88)

Strong elevated warm air advection along with moderate instability brought many severe thunderstorms to northeast South Dakota. Large hail up to the size of golf balls and strong winds over 60 mph caused some damage.

Edmunds County

1 NE Mina 29 2250CST 0 0 0.00K 0.00K Hail (0.75)

Storm Data and Unusual Weather Phenomena

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage Property	Crops	Character of Storm	September 2007
					Killed	Injured				

SOUTH DAKOTA, Central and North

An isolated thunderstorm brought penny size hail to Mina.

SOUTH DAKOTA, Southeast

Sanborn County 3 NE Forestburg	20	0510CST			0	0	0.00K	0.00K	Hail (1.00)
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Kingsbury County 2 SW Hetland	20	0514CST			0	0	0.00K	0.00K	Hail (0.88)
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Brookings County 10 WNW Bruce	20	0530CST			0	0	0.00K	0.00K	Hail (1.00)
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Thunderstorms produced marginally large hail at a few locations in southeast South Dakota during the early morning of September 20th.

Bon Homme County 8 W Springfield	20	2012CST			0	0	0.00K	0.00K	Hail (0.75)
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A thunderstorm produced marginally large hail in Bon Homme County during the evening of September 20th.

Gregory County 15 NNE Burke	29	2114CST			0	0	0.00K	0.00K	Hail (0.75)
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Gregory County 15 NNE Burke	29	2114CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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Charles Mix County 9 W Platte	29	2115CST			0	0	0.00K	0.00K	Hail (0.75)
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Douglas County 8 WNW Harrison	29	2135CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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Thunderstorm winds caused tree damage, including several branches blown down.

Aurora County Stickney	29	2150CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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Thunderstorm winds caused tree damage, including a few limbs blown down. The winds were accompanied by pea size hail.

Davison County 1 S Mt Vernon	29	2200CST			0	0	0.00K	0.00K	Hail (1.00)
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Sanborn County 6 E Letcher	29	2215CST			0	0	0.00K	0.00K	Hail (0.75)
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Sanborn County 6 E Letcher	29	2215CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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Hanson County 7 N Farmer	29	2218CST			0	0	0.00K	0.00K	Hail (0.75)
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Davison County 3 NNW Loomis	29	2218CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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Thunderstorm winds were accompanied by pea size hail.

Miner County 1 N Epiphany	29	2223CST			0	0	0.00K	0.00K	Hail (0.75)
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Miner County 4 S Fedora	29	2228CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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Storm Data and Unusual Weather Phenomena

		Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		September 2007
Location	Date				Killed	Injured	Property	Crops	Character of Storm
<u>SOUTH DAKOTA, Southeast</u>									
SDZ063	Thunderstorms produced large hail and damaging winds at several locations over a large part of southeast South Dakota during the late evening of September 29th.								
	Charles Mix								
	29	2315CST			0	0	10.00K	0.00K	High Wind
Brookings County 5 NW Bruce	Non thunderstorm high winds caused tree and related damage in Charles Mix County, and also in the Sioux Falls area in both Minnehaha and Lincoln Counties. The high winds were reported just before and just after midnight on the night of September 29th and 30th.								
	29	2318CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
	Thunderstorm winds were accompanied by pea size hail.								
Brookings County Bruce									
	29	2342CST			0	0	0.00K	0.00K	Hail (0.75)
	Thunderstorms produced large hail and damaging winds at several locations over a large part of southeast South Dakota during the late evening of September 29th.								
SDZ062-067	Minnehaha - Lincoln								
	30	0042CST			0	0	30.00K	0.00K	High Wind
		0055CST							
Lake County Madison	Non thunderstorm high winds caused tree and related damage in Charles Mix County, and also in the Sioux Falls area in both Minnehaha and Lincoln Counties. The high winds were reported just before and just after midnight on the night of September 29th and 30th.								
	30	1400CST			0	0	0.00K	0.00K	Hail (0.75)
Lake County 1 SE Wentworth									
	30	1420CST			0	0	0.00K	0.00K	Hail (0.75)
Moody County 9 N Colman									
	30	1427CST			0	0	0.00K	0.00K	Hail (0.75)
Clay County Meckling									
	30	1430CST			0	0	0.00K	0.00K	Hail (1.00)
Clay County 5 N Meckling									
	30	1440CST			0	0	0.00K	0.00K	Hail (0.75)
Union County 2 NW Alcester									
	30	1450CST			0	0	0.00K	0.00K	Hail (1.00)
Brookings County 3 WSW Elkton									
	30	1453CST			0	0	0.00K	0.00K	Hail (0.88)
	Large hail covered the ground.								
Moody County 10 N Flandreau									
	30	1453CST			0	0	0.00K	0.00K	Hail (0.88)
	Large hail covered the ground.								
Clay County 5 NE Meckling									
	30	1500CST			0	0	0.00K	0.00K	Hail (0.75)
Union County 3 N Alcester									
	30	1505CST			0	0	0.00K	0.00K	Hail (0.75)
	Large hail was accompanied by 40 to 50 mph wind gusts.								
Lincoln County Hudson									
	30	1515CST			0	0	0.00K	0.00K	Hail (1.00)

Storm Data and Unusual Weather Phenomena

September 2007

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

Thunderstorms produced large hail at numerous locations over the far eastern part of southeast South Dakota during the afternoon of September 30th. The largest hail reported was quarter size.

SOUTH DAKOTA, West

Fall River County **8 E Smithwick**

02	1658MST			0	0	0.00K	0.00K	Thunderstorm Wind (61EG)
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Custer County **3 SE Fairburn**

02	1721MST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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A severe thunderstorm brought strong wind gusts to parts of southwestern South Dakota.

Lawrence County **Nemo**

06	1433MST			0	0	0.00K	0.00K	Hail (0.88)
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A severe thunderstorm dropped nickel sized hail in Nemo.

Harding County **(2WX)Buffalo**

07	2303MST			0	0	0.00K	0.00K	Thunderstorm Wind (70MG)
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A thunderstorm produced wind gusts over 80 mph at Buffalo.

SDZ026-031-073

Rapid City - Pennington Co Plains - Southern Meade Co Plains

21	0100MST 0400MST			0	0	0.00K	0.00K	High Wind
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A strong cold front moved through the area, bringing gusty winds to the South Dakota plains during the early morning hours. The strongest winds were in the Rapid City area, where wind gusts reached 60 mph for a brief time.

Haakon County **4 S Milesville**

23	1735MST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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A severe thunderstorm produced strong wind gusts near Milesville.

TENNESSEE, Central

TNZ005>011-022> 034-056>066-075- 077>080-093

Stewart - Montgomery - Robertson - Sumner - Macon - Clay - Pickett - Benton - Houston - Humphreys - Dickson - Cheatham - Davidson - Wilson - Trousdale - Smith - Jackson - Putnam - Overton - Fentress - Perry - Hickman - Lewis - Williamson - Maury - Marshall - Rutherford - Cannon - Dekalb - White - Cumberland - Bedford - Coffee - Warren - Grundy - Van Buren - Wayne - Lawrence - Giles

01	0000CST			0	0			Drought
30	2359CST							

No relief in the drought across Middle Tennessee. Many communities have established voluntary water restrictions.

TENNESSEE, South Central

TNZ076-096-097

Moore - Lincoln - Franklin

01	0000CST 2359CST			0	0			Drought
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Exceptional Drought (D4) conditions remained throughout September. Rainfall for the month ranged from around one half inch up to two and a quarter inches, or about 2 to 4 inches below normal. Winchester received 2.17 inches and Sewanee received 2.24 inches.

TENNESSEE, West

TNZ001>004-019> 021-048>055-088

Lake - Obion - Weakley - Henry - Dyer - Gibson - Carroll - Lauderdale - Tipton - Haywood - Crockett - Madison - Chester - Henderson - Decatur - Shelby - Fayette - Hardeman - McNairy - Hardin

01	2300CST 2259CST			0	0	0.00K	0.00K	Drought
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Near normal rainfall during the month of September, relaxed the drought from extreme(D3) conditions over much of West Tennessee to severe conditions(D2). In addition, locations near the Tennessee River, the drought conditions relaxed from an exceptional(D4) to exceptional(D3).

Tipton County **3 NNW Munford**

26	1420CST 1425CST			0	0	3.00K	0.00K	Thunderstorm Wind (50EG)
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Several trees were knocked down on Gilt Edge Road, 3 miles north-northwest of Munford, from straight line winds.

Storm Data and Unusual Weather Phenomena

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage Property	Crops	Character of Storm	September 2007
					Killed	Injured				

TENNESSEE, West

A cold front moved into Arkansas during the afternoon and evening hours of September 26th, 2007. Showers and thunderstorms developed ahead of the front. Some of the thunderstorms moved into West Tennessee and produced damaging winds.

TEXAS, Central

Haskell County **6 ESE Sagerton**

27	1955CST			0	0	0.00K	0.00K	Thunderstorm Wind (60MG)
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The wind gust was measured from a Davis Weather Unit.

Jones County **1 S Tuxedo**

27	2028CST			0	0	0.00K	0.00K	Hail (0.75)
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A severe thunderstorm developed in Knox County, and moved south into Haskell and Jones Counties producing wind gusts to 60 knots and 3/4 inch hail.

TEXAS, Central Southeast

Harris County **3 S Spring**

04	1422CST			0	0	5.00K	0.00K	Thunderstorm Wind (52EG)
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Tree limb damage near Cypress Creek and Interstate 45.

A pulse storm that developed over Harris County produced a tree-damaging downburst wind.



Tree limb damage.

TXZ214-238

Chambers - Galveston

12	2200CST			0	0	0.50M	0.00K	Hurricane
13	0200CST							

Humberto was a Category 1 hurricane when it made landfall just to the east of High Island early in the morning on September 13th. Wind damage which occurred late on the 12th and early on the 13th was confined to the High Island area of Galveston County and far eastern Chambers County.

Humberto is notable for its exceptional rapid intensification off the Texas coast from a tropical depression into a hurricane within nineteen hours. Maximum rainfall totals from Humberto ranged from around two inches to over fourteen inches mainly along and east of a line from Freeport to the Hitchcock and Texas City area to around Winnie.

The majority of the damage from Humberto was due to high winds and fresh water flooding that caused minor structural damage along with knocking down trees and power lines. There were no injuries or deaths from Humberto in the Houston-Galveston area.

Storm Data and Unusual Weather Phenomena

September 2007

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



Power pole downed.

Galveston County **5 N Port Bolivar**

19	0610CST	0	0	0.00K	0.00K	Funnel Cloud
	0612CST					

Funnel cloud sighted on the bay side of the Bolivar Peninsula.

The marine environment was conducive to the formation of funnel clouds in the Galveston Bay area.

Houston County **2 E Latexo**

27	1613CST	0	0	2.00K	0.00K	Thunderstorm Wind (52EG)
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Thunderstorm winds downed a tree.

Houston County **2 NE Crockett**

27	1613CST	0	0	2.00K	0.00K	Thunderstorm Wind (52EG)
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Thunderstorm winds downed a tree.

Isolated severe storm cells fired off along a central Texas boundary moving slowly southeast into Houston County.

TEXAS, Extreme West

Hudspeth County **Sierra Blanca**

09	1500MST	0	0	0.00K	0.00K	Flash Flood
	1600MST					

Heavy rains (2.5 inches) caused flash flooding in the Sierra Blanca area. Skunk Canyon Road was washed out, and arroyos were over bankfull.

Moist southerly flow with a stationary cold front providing a focus for uplift resulted in flash flooding in parts of far western Texas.

El Paso County **(ELP)El Paso Intl Ar**

28	1845MST	0	0	0.00K	0.00K	Hail (0.75)
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El Paso County **9 WNW (ELP)El Paso Intl Ar**

28	1850MST	0	0	8.00M	0.00K	Hail (2.00)
	1910MST					

A swath of large hail (quarter to hen's egg size) driven by 60 to 70 mph microburst winds caused extensive damage to a portion of west El Paso. Skylights were destroyed, roofs damaged, car windshields and south-facing house windows smashed. Dozens of automobiles suffered body damage.

El Paso County **13 WNW (ELP)El Paso Intl Ar**

28	1854MST	0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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El Paso County **7 NNW (ELP)El Paso Intl Ar**

28	1900MST	0	0	0.00K	0.00K	Hail (1.00)
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Storm Data and Unusual Weather Phenomena

September 2007

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

El Paso County

9 WNW (ELP)El Paso Intl Ar 28 1900MST 1910MST 0 0 100.00K 0.00K Thunderstorm Wind (61EG)

The El Paso Fire Department reported power lines and trees down as well as a few roofs blown off from microburst winds estimated at 70 mph.

El Paso County

6 SE (ELP)El Paso Intl Ar 28 1905MST 2000MST 0 0 0.00K 0.00K Flash Flood

Lee Trevino Drive was flooded in east El Paso.

Favorable directional wind shear and sufficient low level moisture resulted in the formation of severe multicell storms and at least one high precipitation supercell. Damaging winds and extensive large hail occurred in the El Paso area, mainly the west side. This will likely end up the most costly hail storm in El Paso since damage estimates began. In addition, flash flooding was observed in the area.

TEXAS, Mid-South

Jim Wells County

Alice 01 2120CST 2220CST 0 0 0.00K 0.00K Flash Flood

Sheriff dispatcher reported stalled vehicles in the city limits of Alice in high water.

Between 2 and 3 inches of rain fell near and north of Alice, resulting in flash flooding.

Victoria County

Victoria 03 1208CST 1400CST 0 0 0.00K 0.00K Flash Flood

The underpass at 900 North Loran Street in Victoria was completely flooded with several feet of water and impassable. Additional city streets were flooded, including Sam Houston, Lilac and Mockinbird with several vehicles stranded.

Between 1 and 3 inches of rain fell in short time over saturated ground, resulting in flash flooding in the city of Victoria.

Goliad County

4 N Goliad 04 1500CST 0.06 30 0 0 0.00K 0.00K Tornado (EF0)

A picture was taken of a tornado that formed just briefly off of Highway 183 and F.M. 622, 3 miles north of Goliad. The tornado remained over open country and produced no damage. The time of the picture and tornado was not exactly known.

A tropical funnel briefly touched down as a tornado over open country just north of the city of Goliad.

Aransas County

11 WNW Rockport 11 1822CST 1823CST 0.13 25 0 0 0.00K 0.00K Tornado (EF0)

This weak tornado originally began as a waterspout over Copano Bay. The tornado dissipated shortly after making landfall.

A waterspout formed over the west end of Copano Bay, near Bayside, and traveled southwest. The waterpout moved over land as a tornado near Egery Island Drive and F.M. 136, and dissipated shortly thereafter.

San Patricio County

1 ESE Aransas Pass 29 1130CST 1140CST 1.19 100 0 0 250.00K 0.00K Tornado (EF1)

The waterspout moved onshore as a tornado near the corner of Amberjack Street and Pompano Drive. The tornado continued on an east-southeast path to the northern loop of Oak Park Drive in Aransas Pass. This tornado was rated as an EF-1 on the Enhanced Fujita Scale. EF-0 damage was found along most of the track, however EF-1 damage was found near Arch Street and Spencer Street where the greatest damage occurred with winds of around 100 mph. The width of the tornado was roughly 25-50 yards wide through most of its lifespan, but was briefly 100 yards wide at its greatest width.

Damage included several uprooted trees, large tree limbs snapped, removal of a portion of terracotta roofing from a house, minor roof damage to several homes and a severely damaged brick facade at the Dollar General Store. In addition, the roof and steel awning at the Fresenius Medical Care Center was damaged. Several street signs were also knocked down and damage occurred to several vehicles.

No fatalities were reported, however one injury was reported from flying glass at a tire store.

Nueces County

1 NE Port Aransas 29 1140CST 1141CST 0.19 25 0 0 5.00K 0.00K Tornado (EF0)

Storm Data and Unusual Weather Phenomena

Location	Date	Time	Path	Path	Number of		Estimated	Crops	Character of Storm	September 2007
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Damage Property			

TEXAS, Mid-South

A weak waterspout moved onshore at Port Aransas as a tornado. The weak tornado produced minor damage before dissipating. Minor damage was reported to a few roofs of residents. Patio furniture and debris was scattered across yards and streets.

Hurricane Lorenzo made landfall across the east-central coast of Mexico early on Septemeber 28th and dissipated rapidly that day. However, a surface trough was left behind that extended northeast across the northwest Gulf of Mexico. This trough moved northwest into the Coastal Bend during the morning hours of September 29th. As the surface trough moved inland, a weak west-east oriented upper level jet passed across the northern Gulf of Mexico. The combination of these features provided numerous showers and thunderstorms across the Coastal Bend of the 29th.

Around mid-morning a band of storms between San Antonio Bay and Port O'Connor created and outflow boundary. This boundary provided a focus for additional thunderstorms as it drifted back towards the coast, as well as created a localized area of wind shear. As these storms reached Port Aransas and Aransas Pass they began generating waterspouts across the bays and nearshore Gulf of Mexico waters. Two of these waterspouts moved inland as a tornado causing damage in Aransas Pass, and very minor in Port Aransas.

TEXAS, North

Ellis County Midlothian

05	0200CST 0500CST			0	0	25.00K	0.00K	Flash Flood
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An 8-foot tall by 30-foot long culvert covered with 7 feet of dirt was washed away, leaving a 20-foot gap in a road. The culvert had been in place for about 45 years.

Johnson County 5 N Venus Cleburne

05	0445CST 0730CST			0	0	50.00K	0.00K	Flash Flood
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Forty to fifty high water rescues were required in between Keene and Venus. Portions of Highway 171 in Cleburne and Highway 287 were flooded, and a total of 17 roads were closed. The worst flooding was reportedly between Highway 67 and FM 917 near Lillian. One home in Lillian was flooded by about two-and-a-half feet of water.

Dallas County Lancaster 2 S De Soto

05	0600CST 0800CST			0	0	25.00K	0.00K	Flash Flood
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Several streets were flooded in Lancaster, and at least one home was flooded. Interstate 35 was flooded as well.

Limestone County 4 N Mexia

05	0629CST 0630CST			0	0	6.00K	0.00K	Thunderstorm Wind (52EG)
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Thunderstorm winds broke tree limbs. A truck was damaged by one of the falling limbs.

Ellis County Red Oak

05	0630CST 0900CST			0	0	20.00K	0.00K	Flash Flood
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Shawnee Road was flooded where it crosses Red Oak Creek. Interstate 35 east was also flooded. Several vehicles had to be pulled out of high water.

Navarro County 6 SSW Richland

05	0642CST 0646CST	0.8	40	0	0	0.00K	0.00K	Tornado (EF0)
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This brief tornado developed near the community of Richland and moved to the northeast, causing minor tree damage to the west of Highway 14.

Navarro County 2 SSE Currie 1 NE Richland

05	0647CST 0703CST	6.12	80	0	0	40.00K	0.00K	Tornado (EF2)
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This tornado formed roughly two miles east-southeast of the first tornado. Damage was first noted along CR 2410 just north of the Freestone County line. Trees were uprooted and trunks and large limbs snapped as the tornado moved northeast. A barn was destroyed roughly one mile west of Interstate 45, and two metal transmission line towers were damaged 1/2 miles west of the interstate. The tornado dissipated shortly after crossing Interstate 45.

Bosque County Cranfills Gap Laguna Park

05	0730CST 0945CST			0	0	0.00K	0.00K	Flash Flood
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The following roads were flooded and closed temporarily: Highway 927, Highway 219, CR 2490, CR 1190, CR 3125, and CR 3310.

Storm Data and Unusual Weather Phenomena

September 2007

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
TEXAS, North									
Coryell County									
Flat Gatesville	05	0730CST 0930CST			0	0	0.00K	0.00K	Flash Flood
Highway 36 was flooded near Flat. Plum Creek flooded CR 106 and CR 107, and Coryell Creek flooded CR 213, CR 274, and Winters Road. The City of Gatesville closed Brown Park on West Leon Stret and Faunt Le Roy Park when the Leon River overflowed its banks. FM 1829 was also flooded in Mound.									
Hill County									
Mayfield Itasca	05	0730CST 0930CST			0	0	0.00K	0.00K	Flash Flood
FM 66 between the two towns was flooded.									
Hill County									
Hillsboro Whitney	05	0730CST 0930CST			0	0	20.00K	0.00K	Flash Flood
Several roads between the two cities were flooded and closed including FM 309 and Highways 81, 171, and 22. A man was swept down Cottonwood Creek after trying to cross FM 309 in his truck and abandoning it. He had to be rescued from a tree about 250 yards downstream.									
Hill County									
Blum Aquilla	05	0730CST 0930CST			0	0	20.00K	0.00K	Flash Flood
Vehicles were swept off of CR 2302 N near Aquilla and CR 1414 near Blum due to flooding.									
Navarro County									
Corsicana	05	0820CST 1000CST			0	0	0.00K	0.00K	Flash Flood
Numerous roads were flooded across the county, including North Burnet Street and Seventh Avenue and Boston Street in downtown Corsicana.									
Henderson County									
Malakoff	05	0825CST 1125CST			0	0	0.00K	0.00K	Flash Flood
High water was reported over city streets.									
Dallas County									
4 E Balch Spgs	05	0900CST 1200CST			0	0	0.00K	0.00K	Flood
The east fork of the Trinity River was at least a foot out of it's banks along the Dallas/Kaufman County line.									
An upper level low lingered in the area creating conditions ripe for flooding. Several instances of flash flooding were reported as a large area of rain persisted through mid-morning.									
Dallas County									
Garland	09	1330CST 1630CST			0	0	25.00K	0.00K	Flash Flood
The following intersections were barricaded due to flooding: Wynn-Joyce Road and Country Club Road and 1st Street and Avenue D. Several cars were flooded.									
Tarrant County									
Crowley	09	1434CST 1700CST			0	0	0.00K	0.00K	Flash Flood
South Crowley Road was flooded from Harris Street to the FM 1187 bypass.									
Johnson County									
Burleson	09	1500CST 1730CST			0	0	0.00K	0.00K	Flash Flood
Several high water rescues were required.									
Wise County									
3 W Bridgeport	10	0523CST 0800CST			0	0	0.00K	0.00K	Flash Flood
Two feet of water was reported on FM 1658 north of Highway 380.									
Denton County									
2 NW Denton Lewisville	10	0711CST 0915CST			0	0	0.00K	0.00K	Flash Flood
Several intersections were closed in Denton due to flooding including North Bonnie Bray Road and West University Road. In Lewisville, the floodwaters were over a foot deep.									

Storm Data and Unusual Weather Phenomena

September 2007									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
<u>TEXAS, North</u>									
Dallas County									
Irving	10	0810CST			0	0	0.00K	0.00K	Flash Flood
Garland		1215CST							
Several high water rescues were needed in the county. Numerous roads were closed in Dallas and Irving, including the intersections of Goodnight Road at Southwell Street, Tanner Street at X & Y Streets, Sylvan Road at Irving Road, and Interstate 35 East and Royal Lane. Northwest Highway at Loop 12 was also flooded. Citizens of northwest Irving reported torrential flooding as well.									
Hood County									
7 NE Granbury	10	1030CST			0	0	0.00K	0.00K	Flash Flood
		1300CST							
Highways 51 was flooded and Highway 167 was reduced to one lane due to flooding.									
Scattered thunderstorms developed over north Texas as a slow-moving cold front moved into the area. The front remained in the area the following day, interacting with abundant moisture and causing flash flooding.									
Jack County									
4 SE Antelope	18	1755CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
Reported between Antelope and Squaw Mountain.									
One severe wind event was reported as weak upper level energy moved over north Texas.									
Fannin County									
Bonham	25	1911CST			0	0	10.00K	0.00K	Lightning
Lightning caused power outages near Lake Bonham.									
Fannin County									
Ivanhoe	25	1912CST			0	0	50.00K	0.00K	Thunderstorm Wind (50EG)
A 50-foot radio tower was blown down just north of Bonham.									
Hopkins County									
Sulphur Spgs	26	1454CST			0	0	0.00K	0.00K	Flash Flood
		1654CST							
A few roads were barricaded due to flooding.									
As low-level moisture spread across north Texas, a cold front moved through during the afternoon and evening hours. A few reports of severe weather were received.									
<u>TEXAS, North Panhandle</u>									
Gray County									
Mc Lean	06	1610CST			0	0	0.00K	0.00K	Thunderstorm Wind (52MG)
Gray County									
Mc Lean	06	1615CST			0	0	0.00K	0.00K	Thunderstorm Wind (56MG)
Wheeler County									
5 NNW Crossroads	06	1615CST			0	0	7.00K	0.00K	Thunderstorm Wind (52EG)
A forty-foot television antenna was reportedly blown down by the high winds.									
Gray County									
Mc Lean	06	1619CST			0	0	0.00K	0.00K	Thunderstorm Wind (53MG)
Donley County									
13 ESE Rockledge	06	1620CST			0	0	0.00K	0.00K	Thunderstorm Wind (56EG)
The high winds snapped off cottonwood tree limbs which were eight inch in diameter.									
Gray County									
1 E Mc Lean	06	1620CST			0	0	0.00K	0.00K	Thunderstorm Wind (58MG)
Measured at the West Texas Mesonet station located one mile east of McLean.									
Gray County									
Mc Lean	06	1620CST			0	0	0.00K	0.00K	Thunderstorm Wind (61EG)

Storm Data and Unusual Weather Phenomena

September 2007

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

High winds blew down tree branches...two inches in diameter...over a widespread area.

Gray County Mc Lean

06	1622CST			0	0	6.00K	0.00K	Thunderstorm Wind (52EG)
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The high winds blew away some unsecured property.

Severe thunderstorms during the early evening hours produced damaging winds across the east central and southeastern Texas Panhandle...however no injuries were reported.

Randall County Canyon

07	1300CST 1600CST			0	0	138.00K	0.00K	Flash Flood
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Extensive flash flooding was ongoing in and around Canyon with water flowing into some homes. Five to seven inches of rain fell during the time of the flash flooding. Dumpsters and large timber were floating down the streets with water entering the Junior High School and the Intermediate School. Vehicles and other storage items were washed out of the garages at the Palo Duro Retirement Village. Many streets in Canyon were flooded and impassable...including Russell Long Boulevard...which had several cars floating down the road and was closed down. Portions of U.S. Highway 87 and the intersection of 28th Street and 4th Avenue were also impassable due to flooding. The Canyon Fire Department had to rescue about a dozen stranded motorists. The northbound and southbound lanes of Interstate 27 east of Canyon were shut down and traffic along Farm to Market Road 1541 was rerouted. Hunsley Hills Boulevard was also closed. Runoff from the rainfall washed away three hundred yards of caliche from a construction site near the intersection of U.S. Highway 87 and U.S. Highway 60. Also...a section of Farm to Market Road 3331 between U.S. Highway 60 and Interstate 27 was washed away. Water entered many homes in Canyon and several homes had water entering into the basements. No injuries and no fatalities were reported.

Deaf Smith County 10 W Hereford

07	1356CST			0	0	0.00K	0.00K	Hail (0.88)
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Randall County 1 S Canyon

07	1358CST 1600CST			0	0	0.00K	0.00K	Flash Flood
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A trained spotter just south of Canyon on U.S. Highway 87 indicated that the water was curb to curb. The spotter also estimated that the water depth was near twelve inches in some spots and was filling up the medians.

Deaf Smith County 9 W Hereford

07	1401CST			0	0	0.00K	0.00K	Hail (0.88)
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Severe thunderstorms produced hail and extremely heavy rainfall which resulted in major flash flooding in the south central Texas Panhandle. The flash flooding caused some damage...however no injuries or fatalities were reported.

Armstrong County 13 NE Wayside

09	0502CST 0558CST			0	0	0.00K	0.00K	Flood
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Recent very heavy rainfall caused the Prairie Dog Town Fork of the Red River at the gage site located thirteen miles northeast of Wayside to rise to almost a foot above the flood stage of ten feet. The river crested at ten point eight feet. No damage or injuries were reported from this river flooding.

Runoff from very heavy rainfall from previous days resulted in river flooding in the south central Texas Panhandle during the morning hours. There was no reports of damage or injuries.

Donley County 1 SE Hedley

17	2200CST 2215CST			0	0	23.00K	0.00K	Thunderstorm Wind (61EG)
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The local broadcast media reported from a Department of Public Safety Trooper that a couple of tractor trailers were overturned on U.S. Highway 287...however no injuries were reported. The trailers were reported to be empty and also several branches which were at least four to eight inches in diameter were snapped by the high winds.

Lipscomb County 1 W Follett

18	2008CST			0	0	0.00K	0.00K	Hail (0.75)
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Severe thunderstorms across the northeastern and southeastern Texas Panhandle produced hail and damaging winds during the evening hours. No injuries were reported.

Moore County 11 S Capps

19	1745CST 1747CST			0	0	8.00K	0.00K	Thunderstorm Wind (61EG)
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The Emergency Manager in Moore County confirmed that six telephone poles were snapped...all pointing to the northeast. This occurred just west of Farm to Market Road 1060 on State Highway 152 in eastern Moore County. No injuries were reported.

Storm Data and Unusual Weather Phenomena

										September 2007
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm	
<u>TEXAS, North Panhandle</u>										
Hansford County 6 NW Morse	19	1746CST			0	0	0.00K	0.00K	Hail (1.00)	
									Reported along Farm to Market Road 520.	
Hansford County 1 SW Gruver	19	1749CST			0	0	0.00K	0.00K	Thunderstorm Wind (60MG)	
Deaf Smith County 2 SW Hereford	19	1810CST			0	0	28.00K	0.00K	Thunderstorm Wind (70EG)	
									Eighty-foot power poles were destroyed by high winds along U.S. Highway 60 just southwest of Hereford. The time of the damage was estimated based on radar and the wind speed was also estimated.	
Hutchinson County 4 ESE Morse Jct	19	1825CST			0	0	3.00K	0.00K	Thunderstorm Wind (52EG)	
									Some tree branches were reported broken by the high winds and several items were relocated on the property of the owner. The time of the report was estimated...but did occur just prior to 1830 CST.	
Hutchinson County 2 SSE Morse Jct	19	1830CST 2200CST			0	0	0.00K	0.00K	Flash Flood	
									Eight to twelve inches of fast flowing water was reported over County Road E. No damage or injuries were reported.	
									Severe thunderstorms across the northern and central Texas Panhandle produced hail...damaging winds...and flash flooding during the early evening hours. Another severe thunderstorm in the southwestern Texas Panhandle produced damaging winds. No injuries were reported.	
Hemphill County 6 NNE Canadian	26	1630CST 1640CST			0	0	0.00K	0.00K	Hail (1.50)	
Hemphill County 2 E Gem	26	1722CST 1730CST			0	0	0.00K	0.00K	Hail (1.00)	
Hemphill County 1 SE Gem	26	1811CST 1815CST			0	0	0.00K	0.00K	Hail (1.25)	
Hemphill County 2 E Gem	26	1819CST			0	0	0.00K	0.00K	Thunderstorm Wind (56EG)	
Gray County 9 NNW Mc Lean Gray Co Arpt	26	1838CST 1842CST			0	0	0.00K	0.00K	Hail (1.75)	
									The hail reportedly damaged branches and gardens.	
Gray County 9 NNW Mc Lean Gray Co Arpt	26	1840CST			0	0	0.00K	0.00K	Hail (1.75)	
Wheeler County 4 N Kellerville	26	1850CST			0	0	0.00K	0.00K	Hail (1.75)	
									Severe thunderstorms during the late afternoon and early evening hours produced hail and high winds across the eastern Texas Panhandle. No injuries were reported...however only some damage to tree branches and gardens had occurred due to the hail.	
<u>TEXAS, Northeast</u>										
Wood County 3 ENE Mineola	05	1040CST 1045CST	0.98	50	0	0	5.00K	0.00K	Tornado (EF1)	
									The tornado touched down east northeast of Mineola, Texas. Damage consisted of a few trees snapped at mid trunk and large branches broken off other trees. A mobile home was shifted off its foundation a few feet but not rolled. The mobile home was anchored down. The porch associated with the mobile home was removed as well. A portion of a roof attached to an outbuilding was also removed. The tornado was rated and EF1 on the Enhanced Fujita scale with a path length of nearly one mile and a path width of 50 yards. DOD-2.	

Storm Data and Unusual Weather Phenomena

September 2007

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
TEXAS, Northeast									
Morris County									
1 E Naples	05	1345CST			0	0	30.00K	0.00K	Thunderstorm Wind (56EG)
									Damaging wind gusts took the top out of some trees near a home. The storm also demolished a barn and utility building and blew some shingles off the roof of the home.
Bowie County									
2 E Simms	05	1410CST	3	50	0	0	10.00K	0.00K	Tornado (EF1)
1 W Old Boston		1415CST							The tornado touched down in the small community of Old Union east of Simms, Texas. A small portion of a roof to a home was removed along with two metal garage doors that were pushed inward. A few trees were wither uprooted or snapped. The tornado was rated an EF1 on the Enhanced Fujita Scale with a path length of 3 miles and a path width of 50 yards. The tornado lifted approximately 315 pm...one mile west of the community of Old Boston. DOD-2.
									An upper level trough was located across northeast Oklahoma with a 40-50kt upper level jet streak rounding the base of the trough across northeast Texas. With plentiful moisture in place and lift provided by the dynamics of the trough...scattered to numerous showers and thunderstorms developed across northeast Texas. Shear was sufficient in the lower and mid levels of the atmosphere such that rotating thunderstorms developed near the interstate 30 corridor of northeast Texas and two of these thunderstorms produced brief tornadoes.
Rusk County									
Oak Hill	27	1323CST			0	0	0.00K	0.00K	Hail (0.75)
									Hail fell in the community of Oak Hill.
Rusk County									
Price	27	1330CST			0	0	30.00K	0.00K	Thunderstorm Wind (56EG)
									A 8x14 storage building was destroyed and an 18 inch diameter tree was blown onto a house in the community of Price.
Rusk County									
Price	27	1345CST			0	0	0.00K	0.00K	Hail (0.75)
									Hail fell in the community of Price.
Red River County									
Bagwell	27	1525CST			0	0	0.00K	0.00K	Thunderstorm Wind (53EG)
									Trees down on CR 2237 in the community of Bagwell.
Nacogdoches County									
Melrose	27	1550CST			0	0	0.00K	0.00K	Thunderstorm Wind (55EG)
									Multiple reports of downed trees near the community of Melrose.
Nacogdoches County									
10 E Nacogdoches	27	1552CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
									Trees down on CR 311 in the community of Melrose.
Nacogdoches County									
Chireno	27	1600CST			0	0	0.00K	0.00K	Thunderstorm Wind (53EG)
									Trees downed on CR 434.
Titus County									
Cookville	27	1635CST			0	0	0.00K	0.00K	Thunderstorm Wind (55EG)
									Several trees blown down in the Cookville community east of Mount Pleasant.
Morris County									
2 E Cason	27	1650CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
									Wind gust estimated about 1.5 miles east of the Cason community from a postal service employee.
Upshur County									
9 E Gilmer	27	1745CST			0	0	0.00K	0.00K	Thunderstorm Wind (58EG)
									Numerous trees and power lines down across the eastern half of the county.

Storm Data and Unusual Weather Phenomena

September 2007

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
TEXAS, Northeast									
Gregg County Longview	27	1805CST			1	0	0.00K	0.00K	Lightning
	A 53 year old man was struck and killed by lightning on Cox Lane. Victim was located approximately 25 feet from a large tree that was struck by lightning. M53UT								
Gregg County Longview	27	1805CST			0	1	100.00K	0.00K	Thunderstorm Wind (56EG)
	Numerous trees and power lines were blown down. A few trees fell on top of homes in town. One injury was reported when a tree fell on a home trapping the person inside.								
Gregg County Longview	27	1807CST			0	0	0.00K	0.00K	Hail (0.75)
	Penny sized hail fell in Longview.								
Rusk County 2 S Kilgore	27	1820CST			0	0	0.00K	0.00K	Thunderstorm Wind (56EG)
	Multiple light poles...power lines and large trees were blown down in the southern part of Kilgore near US Hwy 259.								
	Scattered severe thunderstorms developed across portions of East Texas during the mid/late afternoon hours of the 27th, producing a large swath of tree, power line, and structural damage. These storms developed well ahead of a cold front that extended from southern and eastern Oklahoma, into central Arkansas, but mainly along a differential moisture boundary that moved south across east Texas, extreme southern Arkansas, and north Louisiana. Strong surface instability, and gust fronts that developed from these storms, focused new shower and thunderstorm development, with several of these storms becoming severe. One longer lived severe thunderstorm developed over eastern Upshur County, then merged with another southward moving band of strong thunderstorms, producing widespread wind damage across eastern Upshur, much of Gregg, and northern Rusk County. The cities of Longview and Kilgore were hit hardest, with numerous trees blown down/uprooted, power lines downed, and trees falling onto homes, with at least one known injury reported. A 53-yr old man was killed on the north side of Longview when lightning struck a tree he was standing near in wake of the storm.								
TEXAS, South									
Brooks County Falfurrias	01	1939CST 2039CST			0	0	0.00K	0.00K	Heavy Rain
	The Brooks County Sheriffs office reported a thunderstorm produced rainfall and quarter size hail for a brief period of time.								
	Rainfall was widespread over Deep South Texas during the first part of the month as an upper level low pressure system meandered over Central Texas. Port Mansfield recorded 5.55 inches of rainfall for the month of September. This brought the yearly rainfall total to 43.03 inches, setting a new yearly rainfall record since recording began in 1958. Rains which fell over the Falcon and Amistad Reservoirs increased storage levels. September 1 pea size hail was reported near Falfurrias, 2.5 inches of rain fell in Sheryland and 2 inches was reported in south Weslaco on September 1.								
Hidalgo County Mercedes	02	1710CST 1720CST	0.1	10	0	0	0.00K	0.00K	Tornado (EF0)
	Mercedes police reported a weak tornado touched down briefly toppling two or three trees near Texas and Tenth Streets in the city. Numerous callers reported seeing a funnel cloud in the Mercedes area.								
	Thunderstorms moved over portions of Deep South Texas. One Thunderstorm produced a tornado that touched down briefly over Mercedes.								
TEXAS, South Central									
Maverick County El Indio	04	0630CST 0800CST			0	0	0.00K	0.00K	Flash Flood
	Between 4 and 6 inches of rain fell overnight. FM1021 was closed. Several schools were also closed.								
Kinney County 3 ENE Brackettville	04	0830CST 1145CST			0	0	0.00K	0.00K	Flash Flood
	Between 3 and 4 inches of rain fell over the northwestern corner of the county. FM674 and FM334 were closed east of Brackettville by flash flooding.								
Maverick County Normandy	04	1000CST 1300CST			0	0	0.00K	0.00K	Flash Flood

Storm Data and Unusual Weather Phenomena

September 2007

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

In addition to 2 to 3 inch totals earlier that morning, an additional 3 to 4 inches fell around Normandy in the afternoon, closing FM131.

Gonzales County **7 E Gonzales**

04	1735CST	0.2	10	0	0	0.00K	0.00K	Tornado (EF0)
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1737CST

A tornado touched down twice near SH97. It destroyed some chicken houses. The tornado was rated EF0 on the Enhanced Fujita Scale.

Bexar County **Helotes**

04	1915CST			1	1	0.00K	0.00K	Flash Flood
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05 0230CST

Up to 2 inches of rain fell over the northwestern part of the county. At around 1:00 AM a man and a woman were washed away in a four door sedan as they attempted to cross the Tower View Bridge on Scenic Loop Road which was in flood due to Helotes Creek. The man was later rescued with minor bruises to his arms and torso. The woman's body was found less than a mile downstream at 3:19 PM. F29IW

An upper level trough moved across South Central Texas producing showers and thunderstorms which primarily caused flash flooding in the western and central counties. There was also one storm which produced a weak tornado. F29IW

Travis County **6 NW Austin**

11	0600CST			0	0	0.00K	0.00K	Flash Flood
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0815CST

Low water crossings flooded at Lakewood Drive, Bull Creek, Old Spicewood Springs Road, Bee Caves Road and Loop 360.

A cold front brought showers and thunderstorms which produced isolated heavy rain and flooding in Travis County.

TEXAS, South Panhandle

Swisher County **10 ESE Kress**

06	1425CST			0	0	10.00K	0.00K	Thunderstorm Wind (61EG)
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A farmer reported that thunderstorm winds damaged a cotton trailer shortly before 14:25 CST on the 6th when it was blown over near Claytonville.

Lubbock County **2 NE Slaton**

06	1440CST			0	0	0.00K	0.00K	Thunderstorm Wind (52MG)
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A small but intense thunderstorm impacted southeastern Lubbock County on the afternoon of the 6th. This storm produced localized severe wind gusts measured up to 60 mph by the Texas Tech University West Texas Mesonet site near Slaton. No damage was reported.

Briscoe County **Silverton**

06	1455CST			0	0	0.00K	0.00K	Thunderstorm Wind (50MG)
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The storm that produced damaging winds in southeastern Swisher County moved east and impacted portions of Briscoe County. Severe wind gusts up to 58 mph were measured by the KVII-TV Schoolnet station in Silverton. No damage was reported.

Floyd County **Floydada**

06	1805CST			0	0	0.00K	0.00K	Hail (1.00)
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1815CST

Nickel to quarter size hail accompanied a severe thunderstorm near Floydada during the evening hours of the 6th. Initial reports indicated nickel size hail in the city. The Texas Department of Transportation reported that hail up to the size of quarters fell along U.S. Highway 62/70 east of Floydada.

Hall County **Turkey**

06	1830CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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The public reported thunderstorm wind gusts estimated up to 60 mph in Turkey. No damage was reported.

Motley County **Northfield**

06	1842CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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1846CST

Storm spotters reported that severe thunderstorm winds downed tree limbs in Northfield.

Childress County **(CDS)Childress Arpt** **Childress**

06	1904CST			0	0	25.00K	0.00K	Thunderstorm Wind (56MG)
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1919CST

Storm Data and Unusual Weather Phenomena

September 2007

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

A thunderstorm produced damaging winds in the Childress vicinity during the evening hours of the 6th. The Automated Surface Observation System at the Childress Municipal Airport measured an initial severe gust of 59 mph at 19:04 CST. At 19:15 CST, local fire department officials reported that thunderstorm winds had downed power lines and damaged trees in the city. A peak gust of 64 mph was recorded at the airport at 19:19 CST. No structural damage was reported.

Scattered severe thunderstorms developed over the South Plains of west Texas during the afternoon and evening hours of the 6th. The primary severe weather mode throughout the event was damaging wind gusts, however, no structural or otherwise significant damage was reported. Hail up to the size of quarters also accompanied a storm over Floyd County.

Lynn County 8 NW Tahoka

07	1345CST 1350CST			0	0	0.00K	1.50M	Hail (1.00)
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The public reported that 2,500 acres of cotton were destroyed due to a swath of wind blown hail. The hail swath was located several miles north of Tahoka to the west of U.S. Highway 87. In addition, an estimated wind gust of 60 mph accompanied the hail.

Lynn County 8 NW Tahoka

07	1345CST 1350CST			0	0	0.00K	50.00K	Thunderstorm Wind (52EG)
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The public reported that 2,500 acres of cotton were destroyed due to a swath of wind blown hail. Wind gusts were estimated at 60 mph.

Hockley County 13 W Levelland Whitharal

07	1415CST 1450CST			0	0	250.00K	0.00K	Thunderstorm Wind (52EG)
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Local law enforcement officials and the public reported wind gusts to 60 mph across Hockley county. The swath of winds downed several power poles from west of Levelland along Texas Highway 114 to Whitharal. Additionally, a 300 pound diesel fuel tank also was blown over just east of the Hockley and Cochran county line along Texas Highway 114.

Castro County 3 NW Nazareth

07	1425CST			0	0	100.00K	0.00K	Thunderstorm Wind (65EG)
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Damaging winds accompanied a rapidly intensifying severe storm near Nazareth. Two grain bins were destroyed northwest of the town.

Castro County 4 ENE Nazareth

07	1443CST 1447CST	1.5	75	0	0	75.00K	0.00K	Tornado (EF1)
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Local officials reported that an apparent tornado severely damaged two barns on a farmstead east-northeast of Nazareth. Doppler radar signatures additionally supported the potential for tornadic activity, as the storm that initially produced damaging winds northwest of Nazareth evolved to display a supercell structure and sharply turned its direction of movement towards the southeast.

Swisher County 6 SW Tulia

07	1550CST 1556CST	1.25	75	0	0	0.00K	0.00K	Tornado (EF0)
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Multiple employees at a cattle feed yard in rural southwestern Swisher County observed a tornado that developed over open country southwest of Tulia. No damage was reported. The tornado was spawned by the same storm that resulted in tornadic damage near Nazareth (Castro County) during the previous hour.

Terry County 2 S Brownfield

07	1605CST			0	0	0.00K	0.00K	Thunderstorm Wind (55MG)
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A Texas Tech University West Texas mesonet site south of Brownfield recorded a peak wind gust of 63 mph.

Terry County Brownfield

07	2109CST 2309CST			0	0	0.00K	0.00K	Flash Flood
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Heavy rain from thunderstorms in Terry County caused flash flooding in Brownfield. The Terry County Emergency Management Agency reported that Old Lamesa Road in Brownfield was completely inundated with flowing flood waters as were several other side streets in Brownfield.

Scattered convection developed over the west Texas South Plains region during the afternoon and evening hours of the 6th. An initial severe storm over northern Lynn County produced large hail that destroyed 2,500 acres of cotton northwest of Tahoka. A few storms evolved into supercells, and produced large hail, damaging thunderstorm winds, and even a pair of tornadoes. The most significant storm damage was in northeastern Castro County, where thunderstorm winds damaged grain bins. In addition, a weak tornado destroyed two barns east-northeast of Nazareth. The parent supercell thunderstorm that resulted in this damage went on to produce a second tornado in rural Swisher County. Large hail additionally destroyed 2,500 acres of cotton in Lynn County.

Storm Data and Unusual Weather Phenomena

September 2007

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

Lamb County 2 S Littlefield

26	1530CST 1540CST	0	0	0.00K	100.00K	Hail (1.00)
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Newspaper articles reported that hail damaged cotton crops across southeastern Lamb County during the afternoon hours of the 26th. At least 400 acres of cotton were beaten up south of Littlefield. Reports indicated that many leaves were stripped from the cotton plants by hail estimated up to one inch in diameter. In addition to hail, strong winds accompanied the storm, and were sufficient to break small tree limbs at a farmstead south of Littlefield.

Hockley County 2 NW Anton

26	1540CST 1555CST	0	0	5.00K	100.00K	Hail (1.75)
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A severe thunderstorm produced large hail that damaged property and cotton crops in the Anton vicinity during the afternoon hours of the 26th. Hail initially caused minor damage to crops northwest of Anton, but more intense damage south of the city was noted by farmers quoted in newspaper articles, where up to seventy-five percent of the crops were heavily damaged. In addition, hailstones up to the size of golf balls reportedly broke windows at a Hockley County maintenance barn just south of Anton. Measurements from the Texas Tech University West Texas Mesonet indicate that the hail also was periodically associated with severe wind gusts.

Hockley County 6 SSW Anton

26	1550CST	0	0	0.00K	0.00K	Thunderstorm Wind (50MG)
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The Texas Tech University West Texas Mesonet site near Anton recorded a 58 mph wind gust as a severe thunderstorm impacted northeastern Hockley County. No damage was reported.

Lubbock County (REE)Reese Afb Lubbo (LBB)Lubbock Intl Ar

26	1630CST 1657CST	0	0	75.00K	0.00K	Thunderstorm Wind (55MG)
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A severe thunderstorm impacted the Lubbock vicinity with damaging winds and large hail during the late afternoon hours of the 26th. Severe wind gusts that peaked as high as 62 mph were recorded by the Texas Tech University West Texas Mesonet site at Reese Center between 16:30 and 16:40 CST. The winds then spread east-northeast over the northwestern half of the city. A peak gust of 63 mph was measured by the Automated Surface Observing System at the Lubbock Preston Smith International Airport at 16:57 CST.

The winds downed several trees, power lines and poles, and numerous large tree limbs across the northwestern portion of the city. A utility pole fell onto a car on the northern stretch of Loop 289. Windows were additionally blown out of a business on Avenue Q. More than 3,500 homes and businesses were without electrical service for approximately three hours. Despite the damages, no injuries were reported.



Storm damage to a business on the east side of Lubbock after a severe thunderstorm moved through the city. Photograph taken by Jodi Miller, courtesy of the Lubbock Avalanche-Journal.

Lubbock County 7 NW Lubbock

26	1640CST 1800CST	0	0	100.00K	0.00K	Flash Flood
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Local newspapers and law enforcement officials reported that very heavy rainfall resulted in flash flooding in rural areas northwest of Lubbock. News articles also indicated that numerous vehicles became stranded in high water flowing through city streets. The Lubbock County Sheriff's Office reported that a motorist escaped her car moments before it was swept away from a rural roadway in northwest Lubbock County. No injuries were reported.

Storm Data and Unusual Weather Phenomena

September 2007

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

Lubbock County

4 E (REE) Reese Afb Lubbock
4 SW Lubbock

26 1650CST 1704CST 0 0 0.00K 0.00K Hail (0.88)

A severe thunderstorm impacted the Lubbock vicinity with damaging winds and large hail. Nickel size hail was initially reported in northwest Lubbock at 16:50 CST. Storm spotters continued to report nickel size hail along a swath to near 62nd Street and Indiana through 17:04 CST. No damage from the hail was reported.

A complex of severe storms developed during the late afternoon hours of the 26th over portions of Lamb and Hockley Counties, and propagated southeastward over Lubbock. The storms produced heavy rains, hail, and severe winds that resulted in a swath of damage. Cotton crops were heavily damaged over parts of southern Lamb County and northern Hockley County. Wind damage was common in the vicinity, where gusts as high as 63 mph were recorded. Despite damage to several vehicles and structures, no injuries were reported.

Cottle County

7 N Paducah

27 1610CST 1630CST 0 0 0.00K 0.00K Hail (1.75)

Multiple reports indicated that nickel to golf ball size hail fell along U.S. Highway 62/83 near the small community of Dunlap north of Paducah. No damage was reported.

Hale County

3 W Cotton Center

27 1645CST 1652CST 2.4 40 0 0 0.00K 12.00K Tornado (EF0)

At 16:45 CST the Federal Aviation Administration relayed a pilot report of a tornado just west of Cotton Center. The tornado had formed along an outflow boundary beneath a rapidly developing severe thunderstorm. The highly visible landspout-type tornado was observed by many officials and the general public from portions of at least three counties as it moved west-northwestward over farm land until it dissipated just south of Corry (extreme eastern Lamb County) at 16:55 CST.

An eyewitness reported that the tornado briefly broke-up as it crossed Texas Farm to Market Road 37 near the Hale and Lamb County line, then reformed as it crossed into Lamb County. Although no structural damage occurred, farmers reported that the track of the tornado was visible through cotton and wheat fields.



A tornado was photographed near Texas Farm to Market Road 37 in extreme western Hale County. Photo courtesy: Shanna Kirkland via KCBD-TV - Lubbock, Texas.

Lamb County

8 ESE Fieldton

27 1652CST 1655CST 0.75 40 0 0 0.00K 3.00K Tornado (EF0)

At 16:45 CST the Federal Aviation Administration relayed a pilot report of a tornado just west of Cotton Center (western Hale County). The tornado had formed along an outflow boundary beneath a rapidly developing severe thunderstorm. The highly visible landspout-type tornado was observed by many officials and the general public from portions of at least three counties as it moved west-northwestward over farm land until it dissipated just south of Corry (extreme eastern Lamb County) at 16:55 CST.

An eyewitness reported that the tornado briefly broke-up as it crossed Texas Farm to Market Road 37 near the Hale and Lamb County line, then reformed as it crossed into Lamb County. Although no structural damage occurred, farmers reported that the track of the tornado was visible through cotton and wheat fields.

Storm Data and Unusual Weather Phenomena

September 2007

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

Hale County

1 W Cotton Center

27 1710CST
1730CST 0 0 0.00K 40.00K Hail (1.00)

Local residents and newspaper articles reported that large hail up to the size of quarters resulted in localized crop damage west of Cotton Center. The hail reportedly accumulated a few inches deep on the ground.



Large hail up to the size of quarters covered the ground west of Cotton Center. Photo courtesy: KCBD-TV - Lubbock, Texas.

Hale County

1 W Cotton Center

27 1720CST
1830CST 0 0 0.00K 0.00K Flash Flood

A broadcast media storm chaser photographed rapidly flowing flood waters pouring from cotton fields west of Cotton Center. The flood waters covered portions of Texas Farm to Market Road 37 west of Cotton Center. No damage was reported.



Flash flooding inundated portions of Texas Farm to Market Road 37 west of Cotton Center during a severe thunderstorm on the late afternoon of the 27th. Photo courtesy: KCBD-TV - Lubbock, Texas.

King County

3 W Guthrie

27 1730CST 0 0 1.00K 0.00K Thunderstorm Wind (52EG)

A National Weather Service cooperative observer reported that severe thunderstorm wind gusts up to 60 mph damaged tents and other lightweight objects in Guthrie. A National Weather Service survey team found large tree branches up to 5 inches in diameter that were blown down by the winds just west of the city. No structural damage or injuries were reported.

Storm Data and Unusual Weather Phenomena

September 2007

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

Childress County

1 W Kirkland

27 1745CST 0 0 0.00K 0.00K Hail (1.75)

A National Weather Service cooperative observer reported large hail that ranged between pea and golf ball size just west of Kirkland. No damage was reported.

Floyd County

2 N Dougherty

27 2305CST
2315CST 0 0 0.00K 500.00K Hail (0.75)

A severe storm embedded within a lingering convective complex produced large hail that destroyed up to 700 acres of cotton north of Dougherty. Farmers reported localized rainfall totals that approached five inches, however, no reports of flash flooding were received.

Isolated severe thunderstorms impacted portions of the west Texas South Plains region during the late afternoon and evening hours of the 27th. Severe storms over Childress, Cottle, Floyd, and King Counties produced large hail up to the size of golfballs and damaging winds.

An isolated storm rapidly developed near an outflow boundary over western Hale County. This storm quickly produced a persistent and highly visible tornado that moved west-northwestward across farm land between Cotton Center (Hale County) and Corry (Lamb County). Only minor agricultural damage was reported.

TEXAS, Southeast

Jefferson County

1 N Fannett

13 0100CST
0500CST 0 0 50.00K 0.00K Flash Flood

Heavy rain associated with Hurricane Humberto caused water to enter some homes near Fannett, and also close some service roads along I-10 in the Beaumont area.

TXZ215-216

Jefferson - Orange

13 0100CST
0600CST 0 12 25.00M 0.00K Hurricane

TXZ181-182

Jasper - Newton

13 0400CST
0530CST 0 0 10.00K 0.00K Tropical Storm

Orange County

1 ENE Vidor

13 0450CST
0900CST 0 0 10.00K 0.00K Flash Flood

Heavy rain associated with Hurricane Humberto caused flooded service roads along I-10 between Vidor and Orange.

Hurricane Humberto made landfall as a strong category one hurricane in rural southwestern Jefferson County early in the morning on September 13th, over McFaddin National Wildlife Refuge. Storm total rainfall ranged from one inch in southern Jasper and Newton Counties, to almost 11 inches near McFaddin Wildlife Refuge. Some flash flooding occurred in the urban areas between beaumont and Orange. Highest estimated winds were around 80 knots or 90 mph, but hurricane-force wind only extended 15 miles. Damage was primarily trees blown down, roof damage, and power lines downed. The lowest pressure reading was estimated to be 985 mb at landfall. Coastal storm tides were 3 to 5 feet, with the highest occurring at Texas Point. One fatality was attributed to the hurricane. An 80 year old man in Bridge City (Orange County, TX) ventured outside to check his property and was killed instantly when his carport collapsed on him.

TEXAS, West

Pecos County

6 N Ft Stockton

06 1710CST
1718CST 0 0 5.00K 0.00K Hail (1.75)

Martin County

13 W Tarzan

06 1828CST
1840CST 0 0 0.00K 0.00K Hail (1.00)

Tropical Storm Henriette formed in the eastern Pacific Ocean and made landfall along the western coast of Mexico. The storm's remnants moved northeast across Mexico, entering the United States near El Paso. The system brought abundant moisture to west Texas and southeastern New Mexico. The resulting weather was flash flooding and severe thunderstorms.

Pecos County

2 ENE Ft Stockton

07 1430CST
1730CST 0 0 0.00K 0.00K Flash Flood

Four to six inches of water flowed across 7-D Road.

Pecos County

Ft Stockton

07 1441CST
1450CST 0 0 5.00K 0.00K Hail (1.75)

Penny to golf ball sized hail fell at the KOA Campground and over southeastern portions of Fort Stockton.

Storm Data and Unusual Weather Phenomena

September 2007

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
TEXAS, West									
Pecos County									
2 SE Ft Stockton Bakersfield	07	1445CST			0	0	25.00K	0.00K	Thunderstorm Wind (56EG)
The Pecos County Emergency Manager reported that multiple homes in Fort Stockton sustained roof damage due to wind.									
Dawson County									
2 S Lamesa	07	1638CST			0	0	0.00K	0.00K	Hail (0.75)
Dawson County									
Lamesa	07	1640CST			0	0	20.00K	0.00K	Thunderstorm Wind (61EG)
Powerlines were downed due to high winds.									
Dawson County									
Lamesa	07	1657CST 2000CST			0	0	0.00K	0.00K	Flash Flood
Fourteen inches of water flowed across U.S. Highway 87.									
Gaines County									
Seagraves	07 08	2314CST 0200CST			0	0	0.00K	0.00K	Flash Flood
Six to eight inches of water flowed across the intersection of Texas State Highway 83 and U.S. Highway 385.									
The remnants of Tropical Storm Henriette continued to track across west Texas and southeastern New Mexico as it was being absorbed by a cold front moving through New Mexico. The flow of moisture from the Pacific Ocean, moderate instability, and marginal shear contributed to flash flooding and severe thunderstorms.									
Culberson County									
Van Horn	08	1559CST			0	0	0.00K	0.00K	Hail (0.75)
A weakening front stalled across the southeastern New Mexico plains and northern Permian Basin. Moderate instability and upslope flow contributed to the formation of isolated thunderstorms.									
Midland County									
Midland	09	1918CST 2300CST			0	0	15.00K	0.00K	Flash Flood
Widespread flooding occurred throughout the city of Midland resulting in two submerged vehicles at the intersection of Schauburer and A Streets.									
A stalled front stretched from the Permian Basin across the Trans Pecos to the Davis Mountains. Abundant moisture and slow storm motion resulted in flash flooding.									
Ector County									
Odessa	10	1757CST 2100CST			0	0	15.00K	0.00K	Flash Flood
Multiple high water rescues occurred along Dixie Street due to high water.									
Midland County									
Midland	10	1820CST 2300CST			0	0	0.00K	0.00K	Flash Flood
One foot of water flowed over the intersection of Wadley and A streets.									
Midland County									
Midland	10 11	2058CST 0000CST			0	0	0.00K	0.00K	Flash Flood
Eight inches of water flowed over Florida Street, two blocks west of Texas State Highway 349.									
Abundant Pacific moisture continued to stream northeastward into west Texas and southeastern New Mexico. Similar to the previous day, a stalled front continued to be the focal point for heavy rainfall. Another contributing factor to the shower activity was a second cold front moving into west Texas from the north.									
Reeves County									
Pecos	17	1645CST 1900CST			0	0	0.00K	0.00K	Flash Flood
Six inches of water flowed across Cedar Street in Pecos.									
Ongoing showers along the Pecos River were enhanced by an upper level disturbance that moved through west Texas. Atmospheric lift and moisture resulted in thunderstorms, producing flash flooding across Reeves County.									
Dawson County									
3 SW Sparenburg	18	1805CST			0	0	5.00K	0.00K	Hail (1.75)
Golf ball sized hail fell along Highway 337 just north of the Dawson and Martin county line.									

Storm Data and Unusual Weather Phenomena

September 2007

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

An upper level disturbance moved southeast across the western portions of the Low Rolling Plains. The presence of moderate atmospheric instability and abundant moisture led to the development of a few evening thunderstorms across the area.

Pecos County **12 SW Ft Stockton**

24	1900CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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State prison officials reported winds of at least 60 mph. No damage was reported.

Adequate atmospheric instability, ample low level moisture, and an upper level disturbance moving from Mexico into west Texas, combined to produce scattered showers and thunderstorms over the Trans Pecos Region.

TEXAS, Western North

Hardeman County **3 WNW Goodlett**

09	1245CST 1545CST			0	0	0.00K	0.00K	Flash Flood
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Water was flowing across US HWY 287. 2.61 inches of precipitation was measured at the Goodlett Mesonet site in one hour.

Wichita County **5 N Wichita Falls**

09	1530CST			0	0	16.00K	0.00K	Thunderstorm Wind (56EG)
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Six power poles were blown down by an apparent microburst just west of intersection of FM 171 road and Rogers Lane. Monetary damages were estimated.

Clay County **3 S Thornberry**

09	1700CST 1800CST			0	0	0.00K	0.00K	Flash Flood
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FM road 1740 was under water from the Wichita county line, northeast to FM road 2393.

Thunderstorms with very heavy rain affected parts of north Texas. Thunderstorms developed over southwest Oklahoma and moved southeast into western north Texas. The slow movement of the thunderstorms and very efficient rainfall rates allowed for flash flooding to occur. Rainfall rates of 2 to 3 inches per hour caused numerous streets to be closed due to rapidly rising water. No damage was reported with the flooding. However, one thunderstorm just north of Wichita Falls briefly became severe with strong winds. Minor damage was reported with the severe winds.

Archer County **7 NNW Dundee**

18	1455CST			0	0	0.00K	0.00K	Hail (0.88)
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Very slow moving thunderstorms developed over parts of western north Texas during the afternoon hours. Although the slow movement of the thunderstorms made the main threat heavy rain, brief nickel size hail fell north of Dundee in Archer County. No damage was reported.

UTAH, East

Daggett County **12 ENE Dutch John**

05	1500MST 1700MST			0	0	2.00K	0.00K	Flash Flood
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A flash flood with water at least five feet deep ran down an arroyo and across Browns Park Road, about three miles east of the intersection of Red Creek and Browns Park Road. There was some erosion damage to the road and a section of wood fence upstream was torn out and carried down to the road. Road crews repaired the road and cleared out debris from the culverts the next day.

Heavy rainfall from strong thunderstorms in northeast Utah produced flash flooding in the Clay Basin area.

San Juan County **Eastland**

23	0800MST 1230MST			0	0	0.00K	0.00K	Heavy Rain
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Rainfall of 2.20 inches occurred.

Heavy rainfall occurred around the town of Eastland in far east central San Juan County.

UTZ024

Eastern Uinta Basin

25	0248MST 0630MST			0	0	0.00K	0.00K	Frost/Freeze
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A vigorous autumn weather system ushered in the coldest air of the season so far.

UTZ022>025-027

Southeast Utah - Eastern Uinta Mountains - Eastern Uinta Basin - Tavaputs Plateau - Grand Flat and Arches - La Sal & Abajo Mountains - Canyonlands/Natural Bridges

30	0000MST 2359MST			0	0	0.00K	0.00K	Drought
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Drought conditions showed some improvement across eastern Utah as a series of Pacific storm systems brought substantial rainfall to the area.

Storm Data and Unusual Weather Phenomena

September 2007

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

Rich County

14 SSE Garden City

03 1645MST 0 0 0.00K 0.00K Thunderstorm Wind (51MG)

A 51 knot gust of wind was recorded at Otter Creek RAWS.
Thunderstorms created severe winds across portions of northwest Utah.

Wayne County

3 SE Torrey

04 1300MST 0 0 0.00K 0.00K Flash Flood

Flash flooding occurred in Capitol Reef National Park. Grand Wash was flooded and the Scenic Drive was closed due to flooding.

Weber County

3 NE Uintah

04 1615MST 0 0 0.00K 0.00K Thunderstorm Wind (50MG)

A southwest wind of 50 knots was measured at the Ogden Peak sensor.

Tooele County

19 NW (DPG)Michael Aaf Dug

04 1630MST 0 0 0.00K 0.00K Thunderstorm Wind (58EG)

The Salt Flats sensor measured a 58 knot wind gust. Other severe gusts occurred with this storm across the Dugway mesonet with a maximum gust of 71 mph at Upper Cedar Mountain.

Cache County

1 N Logan

04 1636MST
1836MST 0 0 0.00K 0.00K Flash Flood

Widespread street flooding occurred, including reports from local media of garbage cans floating down the streets of Logan.

Box Elder County

Promontory

04 1715MST 0 0 0.00K 0.00K Thunderstorm Wind (53EG)

A northwest wind of 58 knots was measured at Promontory Point.

Tooele County

1 E Burmester

04 1730MST 0 0 2.00K 0.00K Thunderstorm Wind (51EG)

A 51 knot wind gust was estimated at Burmester, and vinyl siding on a home was torn off.



Gust front creates a large wall of dust in the Tooele County storm.

Rich County

1 SSW Garden City

04 1745MST 0 0 2.00K 0.00K Thunderstorm Wind (52EG)

The roof of a mobile home was blown off.

Storm Data and Unusual Weather Phenomena

September 2007

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

Salt Lake County

2 E (SLC)Salt Lake City 04 1758MST 0 0 0.00K 0.00K Thunderstorm Wind (50EG)

The strongest winds came with the initial wind gust at the Salt Lake City ASOS.

Salt Lake County

1 SSE Pallas 04 1800MST 0 0 10.00K 0.00K Thunderstorm Wind (52EG)

A roof collapsed due to wind, and there were television reports of 41,000 customers without power.

Davis County

(HIF)Hill Afb Ogden 04 1815MST 0 0 10.00K 0.00K Thunderstorm Wind (56EG)

A roof was torn off and 3 inch tree limbs were knocked down. Hill Air Force Base ASOS reported a max gust of 57 mph.

Salt Lake County

2 E (SLC)Salt Lake City 04 1815MST 0 0 0.00K 0.00K Thunderstorm Wind (52EG)
1845MST

At the Upper Avenues, large tree limbs were knocked down. Wind gusts of 55-60 mph were common across the Salt Lake Valley including the University of Utah. There were also numerous reports of small tree damage.

Utah County

Lehi 04 1851MST 0 0 0.00K 0.00K Thunderstorm Wind (53EG)

A 53 knot wind gust was measured at Lehi, Utah.

Summit County

1 WSW Henefer 05 1245MST 0 0 0.00K 0.00K Hail (1.00)

One inch diameter hail was reported by a television station in Henefer; the time provided was estimated.

Summit County

1 W Coalville 05 1245MST 0 0 0.00K 0.00K Hail (0.75)

Hail with 0.75 inch diameter was reported in Coalville; the time was estimated from television reports.

Carbon County

1 E Columbia Jct 05 1310MST 0 0 0.00K 0.00K Hail (0.75)

Hail 0.75 inches in diameter was reported at Sunnyside.

Utah County

1 SW Springville 05 1510MST 0 0 0.00K 0.00K Hail (0.75)

Hail with diameters from 0.5 to 0.75 inches were reported in Springville.

Severe thunderstorms along with very heavy rains impacted much of the state.

Storm Data and Unusual Weather Phenomena

September 2007

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



3/4 inch hail in Springville.

Washington County 3 NNE Springdale

22	1230MST 1530MST			0	0	0.00K	0.00K	Flash Flood
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Flash flooding was reported in Telephone Canyon and a few smaller slot canyons. An observer reported that the north fork of the Virgin River at the Narrows was near bank full.

Washington County 3 NNE Springdale

22	1319MST 1619MST			0	0	0.00K	0.00K	Flash Flood
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Widespread flash flooding occurred in canyons that empty into Zion Canyon. Kolob Creek was spilling over its banks in spots.

Washington County Gunlock

22	1625MST 2325MST			0	0	0.00K	0.00K	Flash Flood
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Santa Clara peaked at 1176 CFS at noon MDT and 2269 CFS at 5 pm MDT; there was little or no flow prior to this rainfall.

Washington County 4 NW Zion Lodge

22	1625MST 1825MST			0	0	0.00K	0.00K	Heavy Rain
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Lava Point at 8000 feet received 1.70 inches of rainfall from 9 am to 5 pm. Other reports of 1.75 inches to near 2 inches of rain were reported across Washington County.

Washington County 1 W Virgin

22 23	1825MST 0100MST			0	0	0.00K	0.00K	Flash Flood
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The Virgin River rose from 85 cfs to 3755 cfs over the course of 4 hours.

Heavy rains, strong winds and even mountain snows accompanied a potent Pacific storm system. The most significant impacts were from flash flooding across portions of southern and southwest Utah.

VERMONT, North and Central

Addison County Middlebury

11	1845EST			0	0	10.00K	0.00K	Thunderstorm Wind (50EG)
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Few trees and powerlines downed by thunderstorm winds.

Rutland County Rutland

11	1920EST			0	0	10.00K	0.00K	Thunderstorm Wind (50EG)
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Few trees and powerlines downed by thunderstorm winds.

Rutland County Shrewsbury

11	1930EST			0	0	5.00K	0.00K	Thunderstorm Wind (50EG)
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Storm Data and Unusual Weather Phenomena

September 2007

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

A few trees downed by thunderstorm winds.

A low pressure system, accompanied by a cold front moved across west central Vermont during evening of the 11th. Surface instability was marginal but there was a relatively strong low level wind field. Scattered thunderstorms moved into the lower Champlain Valley of Vermont during the evening hours with isolated reports of wind damage. Trees were downed by thunderstorm winds in Middlebury (Addison county), Rutland and Shrewsbury (Rutland county).

Caledonia County Stannard

27	1239EST			0	0	25.00K	0.00K	Thunderstorm Wind (50EG)
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Several trees down and scattered structural damage in Stannard.

Windsor County Chester

27	1333EST			0	0	10.00K	0.00K	Thunderstorm Wind (50EG)
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Trees and wires down.

Caledonia County East St Johnsbury

27	1445EST			0	0	10.00K	0.00K	Thunderstorm Wind (50EG)
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Trees down on Spaulding road and on Route 18.

Essex County Concord

27	1505EST			0	0	0.00K	0.00K	Hail (0.88)
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Nickel size hail reported.

Essex County Concord

27	1505EST			0	0	20.00K	0.00K	Thunderstorm Wind (50EG)
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Trees uprooted and powerlines down on Route 2 in Concord. Nickel size hail reported as well.

An area of low pressure developed along a cold front, which moved through an unseasonably warm airmass across eastern Vermont during the afternoon of the 27th. Thunderstorms moved across eastern Vermont with some reports of damaging winds, including trees down in Stannard and St. Johnsbury (Caledonia county) and Chester in Windsor county. There were also numerous reports of marble size hail (half inch diameter or less) and heavy rainfall in Caledonia, Orleans, Orange and Windsor counties.

VIRGINIA, East

Northampton County Silver Beach Wardtown

14	2310EST 2325EST	6.49	50	0	0	30.00K	0.00K	Tornado (EF0)
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A waterspout came onshore at Silver Beach near Whittington Road and Downings Beach. The F0 tornado produced structural damage and downed numerous trees in about a five mile path from Silver Beach northeast to Wardtown. Damage to an SUV from a downed tree and roof damage to the recreation center at Camp YMCA was reported at Downing Beach Drive. Damage to a barn where the roof was completely removed, occurred in the Peaceful Way development. In the Jamesville area, a tree pierced a roof entering into the kitchen, a mobile home was displaced from its foundation, a trailer was completely destroyed by a falling tree, and some damage to the Bethel Methodist Church. In Wardtown, some damage was reported to a vehicle due to flying debris, and large trees were down in the convenience center, taking out the security fence.

A waterspout came onshore at Silver Beach near Whittington Road and Downings Beach. The EF0 tornado produced some structural damage and downed numerous trees in about a six mile path from Silver Beach northeast to Wardtown.

VIRGINIA, North

VAZ055>057

Stafford - Spotsylvania - King George

25	0000EST			0	0	0.00K		Drought
30	2359EST							

A portion of the Mid Atlantic hydrologic service area obtained severe agricultural drought conditions from September 25 through the end of the month. This area extended from Spotsylvania County north and east to King George County in east central Virginia. Using a combination of rainfall measurements and radar precipitation estimates, some locations averaged rainfall totals as high as 8 to 10 inches below normal. Severe drought status was first obtained in mid July and lasted through much of August before conditions slightly improved. Several jurisdictions continued water use restrictions. Damage estimates were not available. Several locations were included in primary natural disaster areas due to reductions in farm production. Sources of information included the Virginia Farm Service Agency and the National Drought Monitor.

Storm Data and Unusual Weather Phenomena

September 2007

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

VAZ003-004

Dickenson - Buchanan

01 0000EST 0 0 0.00K 0.00K Drought
30 2359EST

Drought conditions continued and generally intensified. The monthly rainfall was mostly 1 to 1.5 inches. Some locations had even less. For example, John Flannagan Dam recorded only 0.78 inches of rain.

By the end of the month, more farm ponds, small streams, and shallow wells were becoming dry.

VIRGINIA, Southwest

VAZ007-009-012> 017-032>034-043> 045-058

Tazewell - Smyth - Bland - Wythe - Pulaski - Montgomery - Grayson - Carroll - Floyd - Patrick - Franklin - Bedford - Henry - Pittsylvania - Campbell - Halifax - Charlotte

01 0000EST 0 0 0.00K 5.50M Drought
30 2359EST

Drought conditions worsened across southwest Virginia, as seventeen counties fell into a severe drought (D2) on September 1st. This severe drought continued through the end of September. Crop damage estimates are from county extension offices.

Henry County

9 NE Martinsville Arpt

01 0140EST 0 0 16.00K 0.00K Flash Flood

Buildings were flooded on Memorial Boulevard and the 800 block of Forest Street Extension. Six residences were relocated to a motel.

Henry County

9 NE Martinsville Arpt

01 0240EST 0 0 12.00K 0.00K Flash Flood

Several roads closed near Martinsville. A Pipe was washed out along Route 657. A car stalled driving through high water on Smith Lake Road.

Two to four inches of rain created flash flooding in Henry county.

VAZ044

Pittsylvania

12 1440EST 0 2 10.00K 0.00K Wildfire
14 2040EST

Fire charred eighty one acres of land and injured two firefighters.

Alleghany County

1 NW Jordan Mines

27 1515EST 0 0 1.00K 0.00K Thunderstorm Wind (52EG)

Three trees were downed on Route 610.

A severe thunderstorm downed trees near Jordan Mines.

Bath County

4 WSW Bacova Jct

27 1750EST 0 0 1.00K 0.00K Hail (1.00)

Quarter sized hail fell at Bolar Flats Marina on Lake Moomaw.

A severe thunderstorm over Bath county produced quarter sized hail.

WASHINGTON, Northeast

WAZ035

Upper Columbia Basin

01 0000PST 0 0 0.00K 0.00K Wildfire
02 1700PST

The Black Rock Fire, centered eight miles northwest of Odessa, burned 3,492 acres.

WAZ042

East Slopes Northern Cascades

01 0000PST 0 0 0.00K 0.00K Wildfire
29 1700PST

The Domke Lake fire, centered two miles south of Lucerne, was a lightning caused fire that burned around 12,000 acres. The fire started on August 5th.

WAZ043

Okanogan Valley

01 0000PST 0 0 0.00K 0.00K Wildfire
05 1800PST

The South Omak Lake Fire, centered 11 miles southeast of Omak, was a human caused fire that burned 10,500 acres. The fire started on August 30th.

WAZ037

Northeast Mountains

03 0000PST 0 0 0.00K 0.00K Wildfire
06 1700PST

Storm Data and Unusual Weather Phenomena

September 2007

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WASHINGTON, Northeast

The Wrights Valley Fire, centered five miles NNW of Chewelah, burned 227 acres.

WAZ038

Okanogan Highlands

10 0000PST

0

0

Wildfire

17 1700PST

The Manilla Creek Fire, centered six miles southwest of Keller, burned 17,653 acres.

WASHINGTON, Southwest

WAZ022

Lower Columbia

29 0125PST

0

0

0.50K

0.00K

Strong Wind

0410PST

A strong wind storm which brought gale force winds to the coastal waters, also caused wind related damage and power outages to areas inland.

WEST VIRGINIA, East

Berkeley County

Martinsburg

26 1545EST

0

0

0.00K

0.00K

Hail (0.88)

1605EST

A Trained Spotter reported hail measuring between 3/4 and 7/8 inch in Martinsburg along and east of Interstate 81 between exits 12 and 16. Hail continued for 20 minutes.

Berkeley County

Martinsburg

26 2015EST

0

0

1.00K

0.00K

Thunderstorm Wind (50EG)

2020EST

The 911 center reported trees down in Martinsburg.

Unseasonably warm high pressure build over the Mid Atlantic ahead of a strong cold front. Scattered thunderstorms developed across the eastern pan handle of West Virginia during the afternoon of September 26th in this warm and unstable air mass. A storm in Berkeley County produced damaging winds and large hail.

Grant County

Scherr

27 1429EST

0

0

1.00K

0.00K

Thunderstorm Wind (50EG)

1430EST

Grant County Emergency Management reported trees down on Route 42 near Scherr, WV.

Hampshire County

Capon Bridge

27 1600EST

0

0

0.00K

0.00K

Thunderstorm Wind (50EG)

Hampshire County Fire and Rescue Department reported a downed tree in Capon Bridge.

Morgan County

Berkeley Spgs

27 1614EST

0

0

5.00K

0.00K

Thunderstorm Wind (50EG)

1620EST

The Morgan County 911 Center reported several trees and power lines down in Berkeley Springs along and east of Route 522 and Route 9/Martinsburg Road.

Berkeley County

2 N Martinsburg

27 1657EST

0

0

2.00K

0.00K

Thunderstorm Wind (50EG)

1700EST

Local Law Enforcement reported power lines down Rockcliff Drive north of Martinsburg.

Berkeley County

Hedgesville

27 1700EST

0

0

10.00K

0.00K

Lightning

Law Enforcement reported a structure fire due to lightning on Warm Spring Ave in Hedgesville.

Berkeley County

4 NE Martinsburg

27 1708EST

0

0

0.00K

0.00K

Thunderstorm Wind (50EG)

1710EST

Local Law Enforcement reported a tree down on Berkeley Station Road and Sprinkler Mill Road northeast of Martinsburg.

Berkeley County

5 E Hedgesville

27 1715EST

0

0

2.00K

0.00K

Thunderstorm Wind (50EG)

Local Law Enforcement reported power lines down along Williamsport Pike east of Hedgesville.

Storm Data and Unusual Weather Phenomena

September 2007

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

An unseasonably warm area of high pressure built across the Mid Atlantic in late September. A cold front moved across the region on September 27, triggering numerous showers and thunderstorms across the eastern pan handle of West Virginia. Several of these storms became severe, producing damaging winds that downed trees and power lines.

WEST VIRGINIA, North

Marion County 1 S Farmington

26	2042EST			0	0	35.00K	0.00K	Thunderstorm Wind (50EG)
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Emergency management reported numerous trees and power lines down.

Marion County Grant Town

26	2050EST			0	0	100.00K	0.00K	Thunderstorm Wind (50EG)
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Emergency management reported some structural damage to homes with trees down on houses. Numerous power lines down and some roads closed.

Marion County 1 N Grant Town

26	2050EST			0	0	30.00K	0.00K	Thunderstorm Wind (50EG)
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Emergency management numerous trees and power lines down.

Monongalia County 1 S Hagans

26	2055EST			0	0	30.00K	0.00K	Thunderstorm Wind (50EG)
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Emergency management reported numerous trees and wires down in the Muccurdiville area.

Monongalia County 1 ENE Uffingtown (MGW)Hart Fld Morgan

26	2110EST			0	0		0.00K	Hail (1.75)
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Emergency management reported golf ball size hail east of Morgantown.

Monongalia County 1 ENE Uffingtown

26	2110EST			0	0	30.00K	0.00K	Thunderstorm Wind (50EG)
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Emergency management numerous trees and power lines down.
Scattered severe thunderstorms developed over Western Pennsylvania and Northern West Virginia ahead of a strong cold front moving east from the Great Lakes.

WEST VIRGINIA, West

WVZ005>008-013> 016-024>027-033

Wayne - Cabell - Mason - Jackson - Lincoln - Putnam - Kanawha - Roane - Mingo - Logan - Boone - Clay - McDowell - Wyoming - Raleigh - Fayette

01	0000EST			0	0	0.00K	0.00K	Drought
30	2359EST							

September averaged warmer and drier than normal. As a result, the drought continued and spread a bit further toward the north and east. The monthly rainfall of 1 to 2 inches was common.

Surface water was being depleted in small streams, ponds, and small impoundments. This generated additional stress on the wildlife, in their search for water.

Wood County 2 N Wadeville

26	1825EST			0	0	0.00K	0.00K	Hail (0.75)
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Wood County Vienna

26	1847EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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Several trees or large branches were blown down.

Tyler County Alma

26	1940EST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
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Trees were blown down along Route 18.
Severe thunderstorms moved across the Ohio River from Meigs and Athens Counties in Ohio. A few border counties in West Virginia had large hail or strong wind gusts.

Kanawha County Elkview

27	1329EST			0	0	0.00K	0.00K	Hail (1.00)
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Storm Data and Unusual Weather Phenomena

September 2007

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

Webster County Erbacon

27 1440EST 0 0 0.00K 0.00K Hail (0.75)

Braxton County 2 SE Little Birch

27 1445EST 0 0 0.00K 0.00K Thunderstorm Wind (50EG)

Trees were knocked down along County Route 19/35, which is known as Crites Mountain Road.

Webster County Diana

27 1500EST 0 0 0.00K 0.00K Hail (1.50)

Thunderstorms intensified in central West Virginia during the mid afternoon.

WISCONSIN, Northeast

WIZ005-010

Vilas - Oneida - Forest - Florence - Northern Marinette

01 0000CST 0 0 Drought
30 2359CST

Rainfall totals for September were below normal across northern Wisconsin, causing severe drought (D2) conditions to continue throughout the month.

WIZ018-021

Lincoln - Langlade - Northern Oconto

18 0600CST 0 0 Drought
30 2359CST

Below normal rainfall in northern Wisconsin during the month of September caused severe drought (D2) conditions to expand to the south.

Vilas County Starlake

21 1620CST 0 0 Thunderstorm Wind (56EG)

Strong winds associated with a line of thunderstorms downed trees and power lines in the Star Lake area.

Vilas County Land O Lakes Arpt

21 1635CST 0 0 Thunderstorm Wind (56EG)

Strong winds from a line of thunderstorms knocked down signs, trees and power lines, and produced 1/2 inch diameter hail.

Waushara County Coloma Wautoma

21 1715CST 0 0 Thunderstorm Wind (52EG)

High winds from thunderstorms tore 3 to 4 inch diameter branches from trees between Coloma and Wautoma.

A strong cold front moved east across Wisconsin and interacted with a moist and unstable airmass. A line of thunderstorms, that produced damaging winds, developed ahead of the front.

WIZ022-073

Door - Southern Marinette

25 0600CST 0 0 Drought
30 2359CST

Below normal rainfall in northern Wisconsin during the month of September caused severe drought (D2) conditions to expand to the southeast late in the month.

WISCONSIN, Northwest

WIZ001>004-006

Douglas - Bayfield - Ashland - Iron - Burnett - Washburn - Sawyer - Price

01 0000CST 0 0 0.00K 0.00K Drought
30 2359CST

Total monthly rainfall amounts of 3 to 6 inches significantly improved the long-term drought across northwest Wisconsin during September. Extreme (D3) drought conditions in portions of Douglas, Bayfield, Ashland, and Iron counties were upgraded to severe (D2) drought status by month's end. The remainder of the region was upgraded to moderate (D1) drought.

Burnett County Yellow Lake

13 0820CST 0 0 0.00K 0.00K Hail (0.75)

Scattered strong to severe thunderstorms developed across much of northwest Wisconsin during the morning hours of September 13.

Bayfield County 5 SE Herbster

21 0445CST 0 0 0.00K 0.00K Hail (1.00)

Storm Data and Unusual Weather Phenomena

										September 2007
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage Property	Crops	Character of Storm	
WISCONSIN, Northwest										
Burnett County Hertel	21	0555CST			0	0	0.00K	0.00K	Hail (1.00)	
Washburn County 8 W Trego	21	0608CST			0	0	0.00K	0.00K	Hail (0.75)	
Washburn County 6 W Trego	21	0611CST			0	0	0.00K	0.00K	Hail (1.50)	
Washburn County 6 W Trego	21	0615CST			0	0	0.00K	0.00K	Hail (1.75)	
		Golf ball sized hail.								
Douglas County Superior	21	0635CST			0	0	0.00K	0.00K	Hail (0.75)	
		Penny sized hail.								
A weather system in the upper levels of the atmosphere combined with deep moisture and instability to produce severe thunderstorms with large hail over portions of northwest Wisconsin during the morning hours of September 21.										
WISCONSIN, Southeast										
WIZ051-059	Fond Du Lac - Sheboygan - Washington - Ozaukee									
	04	2200CST			0	0	0.00K	0.00K	Dense Fog	
	05	0500CST								
Dense fog developed over portions of east-central and southeast Wisconsin overnight thanks to a light moist flow of air off of the still relatively warm waters of Lake Michigan, and clear skies. Visibilities were reduced to 1/4 mile or below in and near the area bounded by the cities of Fond du Lac, Sheboygan, West Bend, and Port Washington. Several vehicle accidents were noted in newspapers, and some local airplane traffic was cancelled.										
Sauk County Ironton	18	1930CST			0	0	5.00K	0.00K	Thunderstorm Wind (56EG)	
		Powerful thunderstorm downburst winds gusting to an estimated 56 knots (65 mph) toppled several large trees. Tree branch debris knocked down some power lines.								
Sauk County La Valle	18	1935CST			0	0	5.00K	0.00K	Thunderstorm Wind (56EG)	
		Powerful thunderstorm downburst winds gusting to an estimated 56 knots (65 mph) toppled several large trees. Tree branch debris knocked down some power lines.								
Sauk County 2 NW Reedsburg	18	1939CST			0	0	5.00K	0.00K	Thunderstorm Wind (56EG)	
		Powerful thunderstorm downburst winds gusting to an estimated 56 knots (65 mph) toppled several large trees. Tree branch debris knocked down some power lines.								
Sauk County Rock Spgs	18	1939CST			0	0	5.00K	0.00K	Thunderstorm Wind (56EG)	
		Powerful thunderstorm downburst winds gusting to an estimated 56 knots (65 mph) toppled several large trees. Tree branch debris knocked down some power lines.								
Columbia County Wisconsin Dells	18	1953CST			0	0	5.00K	0.00K	Thunderstorm Wind (65EG)	
		Powerful thunderstorm downburst winds gusting to an estimated 65 knots (75 mph) toppled several large trees. Tree branch debris knocked down some power lines. The winds lifted one side of a trained spotters's vehicle about 6 inches into the air.								
A line of strong to severe thunderstorms moved northeast through southern Wisconsin. Short segments of the line managed to bow out and generate isolated downbursts.										
WIZ060-066-071	Ozaukee - Milwaukee - Racine									
	20	0600CST			0	0	0.00K	0.00K	Dense Fog	
		0900CST								
Dense fog developed during the early morning hours between Port Washington and Racine thanks to clear skies, radiational cooling, and a light northeast-east wind off of the still relatively warm waters of Lake Michigan. Visibilities were reduced to 1/8 to 1/4 mile. Several airplane flights were delayed or cancelled.										

Storm Data and Unusual Weather Phenomena

September 2007

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

WIZ051-059>060-065>066-071

Fond Du Lac - Sheboygan - Washington - Ozaukee - Waukesha - Milwaukee - Racine - Kenosha

20	1800CST				0	0	0.00K	0.00K	Dense Fog
21	0100CST								

Dense fog affected parts of east-central and southeast Wisconsin during the overnight hours and lowered visibilities to 1/8 to 1/4 mile. Several airplane flights were delayed or cancelled. The dense fog was actually leftover dense fog that had persisted over the nearshore waters of Lake Michigan from the early morning hours of September 20th. A light southeast wind during the daytime hours transported the leftover dense fog inland. Clear skies and radiational cooling allowed the dense fog to expand as it moved inland.

Waukesha County
Wales

27	1352CST				0	0	0.00K	0.00K	Hail (0.75)
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Milwaukee County
1 NE Franklin

27	1441CST 1445CST				0	0	0.00K	0.00K	Hail (0.75)
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Racine County
2 SSE Raymond

27	1449CST 1450CST	0.25	20		0	0	1.00K	1.00K	Tornado (EF0)
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A weak EF0 tornado spun up about 1/8 mile northwest of the intersection of 3 Mile Road and 68th Stree in central Racine County about 2 miles south-southeast (172 degrees) of Raymond, or 3.5 miles east-southeast (112 degrees) of North Cape. It initially tore up some mature corn crop, toppled a couple trees, crossed the intersection on a southeast path, tore some roof shingles off of a pole shed, and then dissipated in an open field. The average path length was about 15 yards. Damage indicator #1 (SBO) was used with a DOD value of 2 in the damage assessment for an expected wind value of about 75 mph. The initial spin up location was N42.77287 W88.00481 and the end point was N42.77119 W88.00054.

Milwaukee County
Oak Creek

27	1508CST				0	0	0.00K	0.00K	Hail (0.88)
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Racine County
Caledonia

27	1508CST				0	0	0.00K	0.00K	Hail (0.75)
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Milwaukee County
West Allis

27	1511CST				0	0	0.00K	0.00K	Hail (0.75)
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Ozaukee County
1 N Saukville
2 S Mequon

27	1518CST 1524CST				0	0	0.00K	0.00K	Hail (0.88)
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Milwaukee County
4 N Milwaukee Timmerman Airport

	1523CST				0	0	0.00K	0.00K	Hail (0.75)
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An northwest flow of cold and unstable air aloft allowed scattered thunderstorms to develop and move southeast through southeastern Wisconsin. Some of the storms pulsed to severe limits and generated large hail. However, low-level south winds veered to west-southwest in the lowest 3 thousand feet of the atmosphere, allowing for the generation of low-level vorticity and an isolated tornado in central Racine County.

WISCONSIN, Southwest

Richland County
Yuba

18	1824CST				0	0	5.00K	0.00K	Thunderstorm Wind (61EG)
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Several trees and power lines were blown down on County Road C.

Crawford County
Ferryville

18	1851CST				0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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Grant County
Boscobel

18	1851CST				0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
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Grant County
Boscobel

18	1851CST				0	0	5.00K	0.00K	Thunderstorm Wind (58EG)
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Trees and powerlines were blown down in the city of Boscobel.

Storm Data and Unusual Weather Phenomena

										September 2007
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage Property	Crops	Character of Storm	
WISCONSIN, Southwest										
Grant County Fennimore	18	1853CST			0	0	2.25K	0.00K	Thunderstorm Wind (56EG)	
	One tree and a few street signs were blown.									
Richland County Richland Center	18	1919CST			0	0	6.00K	0.00K	Thunderstorm Wind (58EG)	
	Trees and power lines were blown down.									
Richland County 4 N Richland Center	18	1922CST			0	0	8.00K	0.00K	Thunderstorm Wind (60EG)	
	Several trees and power lines were blown down along County Highway DD.									
Juneau County 2 NE Mauston	18	1942CST			0	0	0.75K	0.00K	Thunderstorm Wind (52EG)	
	One tree was blown down on 50th street in Lemonweir Township.									
Adams County 3 SE White Creek	18	1952CST			0	0	0.50K	0.00K	Thunderstorm Wind (52EG)	
	One tree was blown down near the intersection of 10th Avenue and Fern.									
Adams County 1 N Friendship	18	1957CST			0	0	0.75K	0.00K	Thunderstorm Wind (52EG)	
	A tree was blown down near the intersection of Czech Avenue and 10th Avenue.									
Adams County 1 N Adams	18	1957CST			0	0	0.75K	0.00K	Thunderstorm Wind (53EG)	
	A tree was blown down on 7th Avenue south of County Road M. A strong cold front moved across southwest and central Wisconsin during the evening hours of September 18th, triggering a line of severe thunderstorms. Law enforcement officials, storm spotters and the public reported wind gusts of 60 to 70 mph, which knocked down trees and power lines.									
Buffalo County 4 NE Fountain City	21	1422CST			0	0	3.00K	0.00K	Hail (1.00)	
Trempealeau County 2 SW Galesville	21	1508CST			0	0	10.00K	0.00K	Thunderstorm Wind (50EG)	
	Tree fell on a car. No one was reported injured.									
La Crosse County La Crosse	21	1509CST			0	0	15.00K	0.00K	Thunderstorm Wind (53EG)	
	Power lines blown down in the city.									
La Crosse County 3 N Herrington	21	1511CST			0	0	0.50K	0.00K	Thunderstorm Wind (50EG)	
	Wind gust occurred at the NWS office.									
Clark County 1 NE Loyal	21	1515CST			0	0	0.50K	0.00K	Thunderstorm Wind (52EG)	
	Trees were blown down.									
Clark County 2 NW Neillsville	21	1515CST			0	0	0.50K	0.00K	Thunderstorm Wind (52EG)	
	Trees were blown down.									
La Crosse County 2 SE La Crosse	21	1515CST			0	0	10.00K	0.00K	Thunderstorm Wind (53EG)	
	Several trees down on Eastood Drive.									

Storm Data and Unusual Weather Phenomena

September 2007

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
WISCONSIN, Southwest									
La Crosse County West Salem	21	1520CST			0	0	0.50K	0.00K	Thunderstorm Wind (52EG)
Monroe County 2 W Sparta	21	1535CST			0	0	1.00K	0.00K	Thunderstorm Wind (52EG)
La Crosse County 2 W Rockland	21	1545CST			0	0	0.80K	0.00K	Thunderstorm Wind (52EG)
			Large trees were blown down over road.						
Vernon County Coon Vly	21	1550CST			0	0	0.50K	0.00K	Thunderstorm Wind (52EG)
			Pea size hail accompanied wind gusts of 60 mph.						
Vernon County 3 ENE Westby	21	1602CST			0	0	0.00K	0.00K	Hail (0.75)
Vernon County Westby	21	1605CST			0	0	10.00K	0.00K	Thunderstorm Wind (54EG)
			Trees and powers line down.						
Monroe County 4 E Wilton	21	1620CST			0	0	0.50K	0.00K	Thunderstorm Wind (52EG)
Crawford County 2 S Lynxville	21	1625CST			0	0	6.00K	0.00K	Thunderstorm Wind (52EG)
			Trees were blown down.						
Juneau County New Lisbon	21	1625CST			0	0	0.25K	0.00K	Thunderstorm Wind (52EG)
			Very heavy rain and pea size hail occurred.						
Crawford County Fairview	21	1630CST			0	0	10.00K	0.00K	Thunderstorm Wind (53EG)
			Trees were blown down.						
Richland County 2 N Ithaca	21	1630CST			0	0	1.00K	0.00K	Thunderstorm Wind (52EG)
			A 14 to 16 inch tree was snapped off about 7 feet above the ground.						
Vernon County 1 NW Valley	21	1630CST			0	0	0.50K	0.00K	Thunderstorm Wind (52EG)
			Trees were blown down.						
Adams County Arkdale	21	1632CST			0	0	0.25K	0.00K	Thunderstorm Wind (52EG)
			Large branches down.						
Richland County 1 S Ashridge	21	1643CST			0	0	0.00K	0.00K	Thunderstorm Wind (52EG)
			Large elm trees bending over in the wind.						
Crawford County Prairie Du Chien	21	1652CST			0	0	5.00K	0.00K	Thunderstorm Wind (52EG)
			Trees were blown down.						
			An approaching cold front triggered a line of severe thunderstorms during the late afternoon and early evening of September 21. Law enforcement officials, storm spotters, amateur radio operators and the public reported wind gusts of 60 to 65 mph. As a result, trees and power lines were knocked down.						

Storm Data and Unusual Weather Phenomena

September 2007

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

Pierce County 5 N Salem	13	1123CST			0	0	0.00K	0.00K	Hail (1.25)
Eau Claire County Eau Claire	13	1203CST			0	0	0.00K	0.00K	Hail (0.75)
Pepin County Pepin	13	1210CST			0	0	0.00K	0.00K	Hail (0.75)
An upper level trough was the impetus for widely scattered severe weather across the region.									
Pierce County River Falls	20	1748CST			0	0	0.00K	0.00K	Funnel Cloud
Pierce County 3 NW Ellsworth	20	1817CST			0	0	0.00K	0.00K	Funnel Cloud
St. Croix County Woodville	20	2028CST			0	0	0.00K	0.00K	Thunderstorm Wind (50EG)
Eight inch tree downed. Warm frontal boundary induced severe weather.									

WYOMING, Central and West

WYZ008	Bighorn Mountains West								
01	0000MST				0	0	100.00K	0.00K	Wildfire
15	1700MST								
The Bone Creek Wildfire that began on Monday, August 13 continued until Saturday, September 15. The fire scorched approximately 13,670 acres of forest, almost all of which resided within the borders of Big Horn County. The passage of a cold front shortly after midnight on Wednesday, September 5 shifted winds to the north allowing the blaze to jump U.S. Highway 14 west of Shell Falls. Six-tenths of a mile of guardrail burned along the highway which was closed for most of September 5 and 6. Firefighting costs were estimated at \$2.8 million. No structures were burned in the blaze. More information about the origins of this wildfire are contained in the August 2007 Storm Data publication.									
Lincoln County 2 E Alpine	05	1330MST 1335MST			0	0	5.00K	0.00K	Flash Flood
Heavy rainfall in association with a line of thunderstorms produced two mud and rock slides in Snake River Canyon. Rainfall was estimated at 0.75 to 1.00 inches in less than 30 minutes. Both slides occurred between mile markers 118 and 121 on U.S. Highway 89 just east of Alpine. Vehicles were trapped between the slides for about one hour; however, debris was not completely removed from the road surface for nearly four hours. The larger of the two slides was five feet deep with rocks and uprooted trees within the debris flow.									

WYOMING, Extreme Southwest

Uinta County (EVW)Burns Fld Evans	29	0345MST			0	0	0.00K	0.00K	Thunderstorm Wind (56MG)
The Evanston, Wyoming ASOS recorded a 56 knot wind gust. Severe winds resulted from thunderstorms associated with a cold front.									

WYOMING, North Central

WYZ098	Northeast Bighorn Mountains								
01	0001MST				0	0			Wildfire
15	2359MST								
The Bone Creek Fire was started by lightning on Monday, August 13th and continued through September 15th. The fire was located 33 miles northeast of Greybull, Wyoming and burned approximately 13,450 acres. The fire fuels were mainly insect-killed spruce/fir and lodgepole pine. By early September, 250 firefighters were engaged in the suppression effort.									

LAKE ST. CLAIR

LCZ422	St. Clair River								
11	1700EST				0	0	0.00K	0.00K	Marine Thunderstorm Wind
Thunderstorms developed ahead of an approaching cold front and one severe storm crossed over the St Clair River during the late afternoon.									

Storm Data and Unusual Weather Phenomena

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm	September 2007
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GULF OF MEXICO

GMZ450-452

Cameron LA to High Island TX out 20nm - Intracoastal City LA to Cameron LA out 20nm

02 1115CST 0 0 0.00K 0.00K Waterspout
A couple of waterspouts developed in the northwest Gulf of Mexico.

GULF OF MEXICO

GMZ650

Pensacola FL to Pascagoula MS out 20nm

03 1433CST 0 0 0.00K 0.00K Waterspout
1440CST

A waterspout was observed just south of Dauphin Island. The spout was moving south and was observed for several minutes. The spout dissipated over the water.

GULF OF MEXICO

GMZ054-075

West End of the 7 Mile Bridge to Key West out 20nm - Key West to Dry Tortugas Waters

05 1006EST 0 0 0.00K 0.00K Waterspout
1340EST

Two cumulus cloud lines evolved across the Lower Florida Keys, producing several funnel clouds and waterspouts near Key West.

GMZ075

Key West to Dry Tortugas Waters

06 1807EST 0 0 0.00K 0.00K Waterspout
1822EST

A single waterspout was observed from a cumulus cloud line near Key West.

07 0540EST 0 0 0.00K 0.00K Marine Thunderstorm Wind
Numerous showers and thunderstorms developed rapidly after sunrise across the Gulf waters north of Key West through north of Dry Tortugas. These storms drifted southwest and brought gale force wind gusts to Dry Tortugas.

GULF OF MEXICO

GMZ830

Tampa Bay

07 1618EST 0 0 0.00K 0.00K Marine Thunderstorm Wind
Isolated showers and thunderstorms from the Atlantic moved east southeast across Florida during the day and into the Gulf of Mexico during the evening.

GULF OF MEXICO

GMZ655

Destin to Pensacola FL out 20nm

07 1825CST 0 0 0.00K 0.00K Marine Thunderstorm Wind
1830CST

A thunderstorm produced high winds over the marine area between in Pensacola Bay and also near Pensacola Beach.

GULF OF MEXICO

GMZ075

Key West to Dry Tortugas Waters

07 2131EST 0 0 0.00K 0.00K Marine Thunderstorm Wind
A cluster of thunderstorms moved west across Dry Tortugas National Park, bringing gale force wind gusts.

08 0509EST 0 0 0.00K 0.00K Marine Thunderstorm Wind
Clusters of showers and thunderstorms developed across the nearshore waters along the Lower Keys prior to sunrise, and moved west over Dry Tortugas National Park.

09 1332EST 0 0 0.00K 0.00K Marine Thunderstorm Wind
A short band of thunderstorms developed across the Reef from Sand Key through waters northwest of Cosgrove Shoal Light.

GMZ053

Craig Key to the West End of the 7 Mile Bridge out 20nm

09 2326EST 0 0 0.00K 0.00K Marine Thunderstorm Wind
A band of thunderstorms developed along the reef south of Vaca Key. The storms moved north with gale force wind gusts.

GMZ075

Key West to Dry Tortugas Waters

10 0750EST 0 0 0.00K 0.00K Marine Thunderstorm Wind
A line of thunderstorms extending from Big Coppitt Key to the Reef southwest of Key West moved north, bringing gale force wind gusts.

Storm Data and Unusual Weather Phenomena

September 2007

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

GMZ250

Point Aransas to Baffin Bay TX out 20nm

11	1820CST 1822CST			0	0	0.00K	0.00K	Waterspout
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A waterspout formed over the west end of Copano Bay, near Bayside, and traveled southwest. The waterspout moved over land as a tornado near Egery Island Drive and F.M. 136, and dissipated shortly thereafter.

GULF OF MEXICO

GMZ830

Tampa Bay

12	1818EST			0	0			Marine Thunderstorm Wind
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A moist and unstable atmosphere combined with outflow boundaries and a weak upper level disturbance to produce scattered thunderstorms in west central Florida.

GULF OF MEXICO

GMZ650

Pensacola FL to Pascagoula MS out 20nm

13	1755CST 1800CST			0	0	0.00K	0.00K	Marine Thunderstorm Wind
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High winds from a thunderstorm were observed just south of Gulf Shores.

GMZ655

Destin to Pensacola FL out 20nm

14	0951CST 1002CST			0	0	0.00K	0.00K	Waterspout
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A waterspout was observed over Pensacola Bay. There was a dedication of the completion of the new Pensacola Bay Bridge going on and a lot of people observed the spout. The spout was south of the bridge and remained over the bay for several minutes. The spout dissipated over the bay.

GULF OF MEXICO

GMZ032

Gulf Side of the Lower Keys out 20nm

16	1035EST			0	0	0.00K	0.00K	Waterspout
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A waterspout formed in association with a rapidly developing line of showers which initiated as an outflow boundary moved north from the Florida Straits and merged with an existing cloud line over the Lower Keys.

GULF OF MEXICO

GMZ856

Bonita Beach to Englewood FL out 20nm

16	1713EST 1728EST			0	0			Waterspout
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A waterspout and at least two tornadoes formed along the west Florida coast sea breeze front in the Fort Myers area.



Photo taken by Toni Cartright from the Sanibel Island Lighthouse Beach looking toward Fort Myers Beach.

17	1713EST 1717EST			0	0			Waterspout
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Storm Data and Unusual Weather Phenomena

September 2007

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

GMZ853

Englewood to Tarpon Springs FL out 20nm

17 1855EST 0 0 Waterspout
Thunderstorms formed along the sea breeze front and created two waterspouts.

GULF OF MEXICO

GMZ250

Point Aransas to Baffin Bay TX out 20nm

18 1000CST 0 0 0.00K 0.00K Waterspout
Pictures relayed from media confirmed a weak waterspout a few miles east of Port Aransas.

GULF OF MEXICO

GMZ656

Chokoloskee to Bonita Beach FL out 20nm

18 1514EST 0 0 0.00K 0.00K Waterspout
1520EST
Thunderstorms moving offshore produced a waterspout off the coast between Naples and Marco Island.

GULF OF MEXICO

GMZ031

Florida Bay

18 1851EST 0 0 0.00K 0.00K Marine Thunderstorm Wind
A band of thunderstorms moved rapidly southwest off the Florida mainland, accompanied by a strong outflow boundary. The outflow spread south and southwest throughout the Middle and Lower Florida Keys with gale force wind gusts.

GMZ075

Key West to Dry Tortugas Waters

20 0859EST 0 0 0.00K 0.00K Marine Thunderstorm Wind
A cluster of strong thunderstorms moved northwest across Dry Tortugas National Park, bringing gale force wind gusts.

GULF OF MEXICO

GMZ853

Englewood to Tarpon Springs FL out 20nm

20 1355EST 0 0 Waterspout

GMZ830

Tampa Bay

20 1418EST 0 0 Marine Thunderstorm Wind
An area of low pressure formed in the eastern Gulf of Mexico in association with an upper level low. Shower and thunderstorm activity with this non-tropical system was limited but the bands of precipitation generally rotated north throughout the day.

GULF OF MEXICO

GMZ230

Corpus Christi to Baffin Bay

20 1800CST 0 0 0.00K 0.00K Waterspout
Pictures from local media confirmed a very weak waterspout in the Packery Channel.

GULF OF MEXICO

GMZ850

Tarpon Springs to Suwannee River FL out 20nm

20 1913EST 0 0 Marine Thunderstorm Wind
An area of low pressure formed in the eastern Gulf of Mexico in association with an upper level low. Shower and thunderstorm activity with this non-tropical system was limited but the bands of precipitation generally rotated north throughout the day.

GULF OF MEXICO

GMZ054-075

Key West to Dry Tortugas Waters - West End of the 7 Mile Bridge to Key West out 20nm

21 1557EST 0 0 0.00K 0.00K Marine Thunderstorm Wind
1610EST
Numerous Thunderstorms developed across the Florida Straits and moved north. These storms passed through the Lower Florida Keys...then progressed through the Middle and Upper Keys throughout the evening. Gale force wind gusts were recorded at numerous stations.

GULF OF MEXICO

GMZ655

Destin to Pensacola FL out 20nm

21 1615CST 0 0 0.00K 0.00K Marine Thunderstorm Wind
1620CST
A couple of thunderstorms moved across Choctawhatchee Bay and caused high winds over the bay.

Storm Data and Unusual Weather Phenomena

September 2007

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

GMZ031-053-054

Craig Key to the West End of the 7 Mile Bridge out 20nm - West End of the 7 Mile Bridge to Key West out 20nm - Florida Bay

21	1618EST 1641EST			0	0	0.00K	0.00K	Marine Thunderstorm Wind
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Numerous Thunderstorms developed across the Florida Straits and moved north. These storms passed through the Lower Florida Keys...then progressed through the Middle and Upper Keys throughout the evening. Gale force wind gusts were recorded at numerous stations.

GULF OF MEXICO

GMZ655

Destin to Pensacola FL out 20nm

21	1650CST 1655CST			0	0	0.00K	0.00K	Marine Thunderstorm Wind
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A couple of thunderstorms moved across Choctawhatchee Bay and caused high winds over the bay.

GULF OF MEXICO

GMZ052

Ocean Reef to Craig Key FL out 20nm

21	1730EST			0	0	0.00K	0.00K	Marine Thunderstorm Wind
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Numerous Thunderstorms developed across the Florida Straits and moved north. These storms passed through the Lower Florida Keys...then progressed through the Middle and Upper Keys throughout the evening. Gale force wind gusts were recorded at numerous stations.

GULF OF MEXICO

GMZ650

Pensacola FL to Pascagoula MS out 20nm

23	1140CST 1145CST			0	0	0.00K	0.00K	Marine Thunderstorm Wind
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High winds from a thunderstorm were observed near Fort Morgan.

GULF OF MEXICO

GMZ053-075

Craig Key to the West End of the 7 Mile Bridge out 20nm - Key West to Dry Tortugas Waters

25	1504EST 1533EST			0	0	0.00K	0.00K	Marine Thunderstorm Wind
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A cluster of showers and thunderstorms moved west along the reef from south of Vaca Key through Sand Key.

GULF OF MEXICO

GMZ656

Chokoloskee to Bonita Beach FL out 20nm

26	1332EST 1340EST			0	0	0.00K	0.00K	Waterspout
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Showers off the Collier County coast produced a waterspout.

GULF OF MEXICO

GMZ235

Point O'Connor to Aransas Pass

29	1125CST 1130CST			0	0	0.00K	0.00K	Waterspout
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For more information on these waterspouts please see the episode narrative for the Port Aransas and Aransas Pass Tornadoes.

GULF OF MEXICO

GMZ830-853

Englewood to Tarpon Springs FL out 20nm - Tampa Bay

29	1510EST 1518EST			0	0			Marine Thunderstorm Wind
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A weak cold front in central Florida moved south during the day.

GULF OF MEXICO

GMZ031-053-054

West End of the 7 Mile Bridge to Key West out 20nm - Florida Bay - Craig Key to the West End of the 7 Mile Bridge out 20nm

29	1800EST 2250EST			0	0	0.00K	0.00K	Marine Thunderstorm Wind
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Storm Data and Unusual Weather Phenomena

										September 2007	
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm		
<u>GULF OF MEXICO</u>											
GMZ052											
			Ocean Reef to Craig Key FL out 20nm								
	30	0145EST			0	0	0.00K	0.00K	Marine Thunderstorm Wind		
	Showers and Thunderstorms pushed south through Florida Bay and across the Florida Keys. Numerous gale force wind gusts were recorded.										
GMZ031-052-053-075			Florida Bay - Ocean Reef to Craig Key FL out 20nm - Craig Key to the West End of the 7 Mile Bridge out 20nm - Key West to Dry Tortugas Waters - Craig Key to the West End of the 7 Mile Bridge out 20nm - Ocean Reef to Craig Key FL out 20nm								
	30	1608EST 2120EST			0	0	0.00K	0.00K	Marine Thunderstorm Wind		
	A strong northeast wind surge was accompanied by scattered, fast-moving thunderstorms. These brought several gale-force wind gusts to the coastal waters throughout the Florida Keys.										
<u>EAST PACIFIC OCEAN</u>											
PZZ750			San Mateo Point to Mexican border out 30nm								
	22	1111PST 1130PST			0	0	0.00K	0.00K	Waterspout		
	A cold-core cutoff low pressure system off the coast of Southern California brought heavy rain to Orange County and waterspouts to the San Diego County coast. A band of convection just off the coast of San Diego and Orange Counties produced a line of at least 8 waterspouts and countless more funnel clouds in the span of about an hour. Several of these waterspouts occurred simultaneously within close proximity to each other. One waterspout came ashore at Cardiff State Beach and blew over some tents. Another waterspout came ashore in Newport Beach. None of the waterspouts caused any serious damage. The exact number of waterspouts and funnel clouds is not known, and the position and path length of each waterspout is very much a rough estimate. This event was not associated with island band convection.										
<u>EAST PACIFIC OCEAN</u>											
PZZ210			Columbia River Bar								
	29	1100PST			1	0	0.00K	0.00K	Marine Strong Wind		
	A Pacific storm brought strong winds to the coastal waters, which helped to increase swell conditions in the Columbia River bar. A man was thrown overboard in the strong winds and large swell. The USCG conducted a search, but never found the individual. He is presumed dead. M?BO										
<u>ATLANTIC, Caribbean Sea and Tropical Atlantic</u>											
AMZ730			Caribbean Waters East Coast PR through USVI								
	05	1439AST 1454AST			0	0	0.00K	0.00K	Waterspout		
	An upper level trough induced unstable atmospheric conditions which produced favorable conditions for waterspout development.										
<u>ATLANTIC, Caribbean Sea and Tropical Atlantic</u>											
AMZ450			Altamaha Sound to Fernandina Beach FL out 20nm								
	06	0955EST			0	0			Waterspout		
	An light onshore flow regime in an unstable environment promoted the development of isolated strong storms during the early morning hours along the southeast Georgia and northeast Florida coast.										
<u>ATLANTIC, Caribbean Sea and Tropical Atlantic</u>											
AMZ730			Caribbean Waters East Coast PR through USVI								
	06	1057AST 1112AST			0	0	0.00K	0.00K	Waterspout		
	A deep layer low pressure was moving northwest across the Caribbean waters and induced a south southeast wind flow that combined with available moisture to produce waterspouts across the area.										
	07	1740AST 1755AST			0	0	0.00K	0.00K	Waterspout		
	East southeast low level winds combined with available moisture to produce favorable conditions for waterspout development.										
<u>ATLANTIC, Caribbean Sea and Tropical Atlantic</u>											
AMZ630-651			Biscayne Bay - Deerfield Beach to Ocean Reef FL								
	08	1340EST 1755EST			0	0	0.00K	0.00K	Waterspout		
	Showers over the Atlantic coastal waters led to the formation of waterspouts over the waters of Miami-Dade and Broward counties.										

Storm Data and Unusual Weather Phenomena

September 2007

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
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ATLANTIC, Caribbean Sea and Tropical Atlantic

AMZ650-651

Jupiter Inlet to Deerfield Beach FL out 20nm - Deerfield Beach to Ocean Reef FL

09 1220EST 0 0 0.00K 0.00K Waterspout
1400EST

Waterspouts formed for the second day in a row over the Atlantic coastal waters of South Florida as showers and thunderstorms moved north across the waters.

ATLANTIC, Caribbean Sea and Tropical Atlantic

AMZ730

Caribbean Waters East Coast PR through USVI

10 1532AST 0 0 0.00K 0.00K Waterspout
11 1547AST

The combination of a upper level trough and a tropical wave induced unstable atmospheric conditions which produced favorable conditions for waterspout development.

10 1720AST 0 0 0.00K 0.00K Waterspout
1735AST

The combination of a upper level trough and a tropical wave induced unstable atmospheric conditions which produced favorable conditions for waterspout development.

ATLANTIC, Caribbean Sea and Tropical Atlantic

AMZ354

Savannah GA to Altamaha Sound GA out 20nm

11 1606EST 0 0 0.00K 0.00K Marine Thunderstorm Wind

The sea breeze in an adequately unstable environment resulted in scattered shower and thunderstorm development across Southern South Carolina and Southeast Georgia. The thunderstorms eventually pushed into the Atlantic coastal waters late in the afternoon.

ATLANTIC, Caribbean Sea and Tropical Atlantic

AMZ651

Deerfield Beach to Ocean Reef FL

12 0712EST 0 0 0.00K 0.00K Waterspout
0720EST

Waterspouts were again observed over the Atlantic waters of South Florida.

ATLANTIC, Caribbean Sea and Tropical Atlantic

AMZ454

St. Augustine to Flagler Beach FL out 20nm

12 2020EST 0 0 Marine Thunderstorm Wind

A cold front moving into south Georgia as well as the sea breezes spawned scattered severe storms across the forecast area in the afternoon and evening. An upper level low retrograding over the eastern Gulf of Mexico provided additional upper level support for updraft formation.

ATLANTIC, Caribbean Sea and Tropical Atlantic

AMZ630

Biscayne Bay

14 0613EST 0 0 0.00K 0.00K Waterspout
0630EST

Early morning waterspouts developed from showers over southern Biscayne Bay.

ATLANTIC, Caribbean Sea and Tropical Atlantic

AMZ250

Surf City to Cape Fear NC out 20nm

15 0125EST 0 0 Marine Thunderstorm Wind

A cold front pushed offshore, causing strong marine thunderstorms.

ATLANTIC, Caribbean Sea and Tropical Atlantic

AMZ450

Altamaha Sound to Fernandina Beach FL out 20nm

16 1220EST 0 0 0.00K 0.00K Waterspout
1225EST

A large high pressure center over the mid-Atlantic states caused cold air damming along the eastern seaboard and Piedmont with a strong coastal trough developing along the northeast Florida coast. The tightened low level pressure gradient when combined with strong upper level diffluence led to minor coastal flooding, high seas and waterspouts in the northeast Florida and southeast Georgia coastal waters.

16 1220EST 0 0 Waterspout

A strong northeast flow regime was starting to develop over the local area, otherwise known as a local Nor'Easter. A few convergent bands of showers and isolated thunderstorms developed over the local waters, one which produced a waterspout.

Storm Data and Unusual Weather Phenomena

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

September 2007

ATLANTIC, Caribbean Sea and Tropical Atlantic

AMZ651	Deerfield Beach to Ocean Reef FL								
	17	1735EST 1745EST			0	0	0.00K	0.00K	Waterspout
	Thunderstorms over the Miami-Dade County coastal waters produced a waterspout near Miami Beach.								
	21	1927EST			0	0	0.00K	0.00K	Marine Thunderstorm Wind
	Deep and moist southerly flow produced thunderstorms which moved over the coastal waters of South Florida during the evening hours of September 21.								
AMZ671	25	0158EST 0204EST			0	0	0.00K	0.00K	Marine Thunderstorm Wind
	Thunderstorms associated with a deep easterly flow of moisture and instability produced strong thunderstorms over the near shore Atlantic waters.								
	Deerfield Beach to Ocean Reef FL 20 to 60nm								
	25	1330EST 1340EST			0	0	0.00K	0.00K	Waterspout
	Thunderstorms moving west over the coastal waters of Miami-Dade County produced a waterspout.								

ATLANTIC, Caribbean Sea and Tropical Atlantic

AMZ555	Cocoa Beach to Jupiter Inlet FL out 20nm								
	29	0811EST			0	0	0.00K	0.00K	Waterspout
	Showers and thunderstorms lingering along the coast produced waterspouts in Brevard County.								

ATLANTIC, Caribbean Sea and Tropical Atlantic

AMZ650	Jupiter Inlet to Deerfield Beach FL out 20nm								
	29	2144EST			0	0	0.00K	0.00K	Marine Thunderstorm Wind
	30	0035EST			0	0	0.00K	0.00K	Marine Thunderstorm Wind
	30	0258EST			0	0	0.00K	0.00K	Marine Thunderstorm Wind
	30	0325EST			0	0	0.00K	0.00K	Marine Thunderstorm Wind
	30	0408EST			0	0	0.00K	0.00K	Marine Thunderstorm Wind
	30	0502EST			0	0	0.00K	0.00K	Marine Thunderstorm Wind
	30	0653EST			0	0	0.00K	0.00K	Marine Thunderstorm Wind
AMZ651	Deerfield Beach to Ocean Reef FL								
	30	1350EST 1520EST			0	0	0.00K	0.00K	Marine Thunderstorm Wind
	The combination of a strong pressure gradient between a weak low pressure area over the western Bahamas and strong high pressure over the Northeast United States, along with deep moisture and instability east of an upper level low west of Naples, led to the formation of fast moving showers and thunderstorms which produced locally strong winds across Southeast Florida and the adjacent waters. Severe thunderstorms were observed over Southeast Miami-Dade County, and strong non-thunderstorm winds caused beach erosion in Palm Beach County.								

This episode continued into the first few days of October 2007.

ATLANTIC, North

ANZ353	Moriches Inlet to Fire Island Inlet NY out 20nm								
	11	1400EST			0	0	0.00K	0.00K	Marine Thunderstorm Wind
	A thunderstorm produced a peak wind gust to 42 knots at the Smith Point weather station.								

ATLANTIC, North

ANZ650	Fenwick Island DE to Chincoteague VA out 20nm								
	11	1535EST			0	0	0.00K	0.00K	Marine Thunderstorm Wind
	A strong thunderstorm produced gusty winds over portions of the Maryland and Virginia Coastal Waters.								
ANZ631	Chesapeake Bay Windmill Point to New Point Comfort VA								
	14	2300EST			0	0	0.00K	0.00K	Marine Thunderstorm Wind
	A strong thunderstorm produced gusty winds over portions of the Chesapeake Bay.								

Storm Data and Unusual Weather Phenomena

Location	Date	Time	Path	Path	Number of		Estimated	Crops	Character of Storm	September 2007
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Damage Property			

LAKE HURON

LHZ348-362

Presque Island Light to Sturgeon Point MI - Lake Huron Presque Island Light to Alabaster MI eastward beyond 5nm offshore to Intl Border

11	1450EST			0	0	0.00K	0.00K	Waterspout
	1455EST							

A thunderstorm along a cold front produced a waterspout on Thunder Bay.

LAKE HURON

LHZ421

Outer Saginaw Bay & SW of Alabaster to Point Austin MI

11	1500EST			0	0	0.00K	0.00K	Marine Thunderstorm Wind
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Thunderstorms developed ahead of an approaching cold front and a couple of them became severe during the late afternoon. A 51 knot wind gust was measured over Outer Saginaw Bay at Gravelly Shoals.

LAKE MICHIGAN

LMZ741

Wilmette Harbor to Meigs Field IL

07	0305CST			0	0	0.00K	0.00K	Marine Thunderstorm Wind
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A strong thunderstorm moved across southern Lake Michigan during the early morning hours of September 27th.

LAKE MICHIGAN

LMZ522-542

Bay of Green Bay South of a line from Marinette to Fish Creek WI - Sturgeon Bay to Two Rivers WI

21	1900CST			0	0			Marine Thunderstorm Wind
	1944CST							

The line of storms that produced high winds as it pushed east across Wisconsin produced strong winds as it passed over Green Bay and the nearshore waters of Lake Michigan.

LAKE MICHIGAN

LMZ341

Seul Choix Point MI to 5nm West of Mackinac Bridge

21	2105EST			0	0	0.00K	0.00K	Marine Thunderstorm Wind
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A weakening line of showers and thunderstorms brought gusty winds to the tip of Northern Lake Michigan. An individual thunderstorm behind the main line brought much stronger winds later in the evening.

LAKE MICHIGAN

LMZ740-743

Winthrop Harbor to Wilmette Harbor IL - Calumet Harbor IL to Gary In - Gary to Burns Harbor in - Burn Harbor to Michigan City In

25	1350CST			0	0	0.00K	0.00K	Marine Thunderstorm Wind
	1540CST							

Strong thunderstorms moved across southern Lake Michigan during the afternoon hours of September 25th.

LAKE MICHIGAN

LMZ844-847

Grand Haven to Whitehall MI - St. Joseph to South Haven MI

27	1755EST			0	0	0.00K	0.00K	Marine Thunderstorm Wind
	1820EST							

Several wind gusts of 40 to 50 mph were recorded over far eastern Lake Michigan and near the Lake Michigan shoreline.

LAKE MICHIGAN

LMZ741

Wilmette Harbor to Meigs Field IL

30	2340CST			0	0	0.00K	0.00K	Marine Thunderstorm Wind
	2345CST							

Strong thunderstorms moved across southern Lake Michigan during the late evening hours of September 30th.

LAKE SUPERIOR

LSZ242

Ontonagon to Upper Entrance of Portage Canal MI

04	0908EST			0	0	0.00K	0.00K	Marine Hail
	0909EST							

A severe thunderstorm dropped large hail near Ontonagon on the morning of the 4th.

Storm Data and Unusual Weather Phenomena

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm	September 2007
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LAKE SUPERIOR

LSZ146-147

Point Wing to Sand Island WI - Sand Island to Bayfield WI

21	1529CST 1545CST				0	0	0.00K	0.00K	Marine Thunderstorm Wind
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A squall line containing thunderstorms with strong winds developed ahead of a cold front that moved southeast across Western Lake Superior during the late afternoon hours of September 21.

LAKE SUPERIOR

LSZ221

Keweenaw Bay and Huron Bay Lower Entrance Light to Portage Lake to Huron Island MI

21	1850EST 1852EST				0	0	0.00K	0.00K	Marine Thunderstorm Wind
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Severe thunderstorms produced damaging wind in Jacobsville along the Keweenaw Bay on the 21st.

AMERICAN SAMOA,

ASZ002

Tutuila

01	0000SST				0	0	0.00K	0.00K	High Surf
05	1800SST								

High surf continues into September as swell generated from a low far south of the islands produced surf of 8 to 12 feet with occasional higher set from September 1st to September 5th. No significant damages were reported.

Tutuila County Pago Pago

03	0600SST 1030SST				0	0	0.00K	0.00K	Heavy Rain
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Heavy rain fell along the mountains and had again flooded low lying areas and overflowed small streams in the Tualauta County and Nuuuli Uta between 400 am and 1000 am Wednesday, September 5, 2007. Some vehicles were reported stalled at the Fagaima road and in front of the Mormon Church at Otto Ville the usual ponding area during heavy rain.

Tutuila County Pago Pago

03	0800SST 1035SST				0	0	0.00K	0.00K	Flash Flood
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Heavy showers associated with an active trough over the islands dumped almost three inches of rain between 800 am and 1100 am Monday, September 3, 2007. No significant damages were reported other than the usual debris being washed onto the roads by heavy runoffs and the overflow of streams.

Tutuila County Pago Pago

03	0800SST 1035SST				0	0	0.00K	0.00K	Flash Flood
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Heavy showers associated with an active trough over the islands dumped almost three inches of rain between 800 am and 1100 am Monday, September 3, 2007. No significant damages were reported other than the usual debris being washed onto the roads by heavy runoffs and the overflow of streams.

A Flash Flood Warning for Tutuila was issued at 800 am Monday, September 3, 2007, which updated a Small Stream Flood Advisory first issued 600 am earlier that morning. Except for debris being washed onto the roads and mud and land slides which occurred at Malota and Fagamalo, no injuries or significant damages were reported.

ASZ002

Tutuila

14	1500SST				0	0	0.00K	0.00K	High Surf
19	1800SST								

Another intense low pressure system far south of the islands generated heavy southerly swell across the Samoan Islands from September 14th to the 19th. Surf of 8 to 14 feet impacted most of south facing shores especially from Avau to Fatumafuti and from Lauli'i to Tula. No significant damages were reported.

PUERTO RICO

Mayaguez And Vicinity Aguada

12	1515AST				0	0	1.00K	0.00K	Hail (0.60)
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An NWS employee reported pea size hail in Aguada.

Strong daytime heating, divergence aloft, relatively unstable air and a light southeasterly wind flow produced unstable atmospheric conditions which led to the development of strong thunderstorms across the area.

Central Interior Aibonito

16	1430AST				0	0	3.00K	0.00K	Flood
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Emergency Management reported residential structures flooded.

A low level disturbance moving across the eastern Caribbean induced by an upper level low pressure, brought ample amounts of tropical moisture across the region. This combined with fairly unstable upper atmospheric conditions induced convection which produced heavy rain across the central interior sections of Puerto Rico.

Storm Data and Unusual Weather Phenomena

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage Property	Crops	Character of Storm	September 2007
PUERTO RICO										
Western Interior Utua	18	1740AST			0	0	2.00K	0.00K	Flood	
Emergency Management report several roads flooded in the center of the city.										
Western Interior Utua	18	1809AST			0	0	5.00K	0.00K	Flood	
Emergency Management reported several homes flooded in the center of the town.										
An upper level trough located across the Bahamas and the Greater Antilles produced unstable atmospheric conditions at the mid and upper levels of the atmosphere which led to heavy rainfall across the western interior sections of Puerto Rico.										
San Juan And Vicinity San Juan	20	1135AST			0	0	2.00K	0.00K	Flood	
Emergency Management reported several streets flooded on Santurce, Hato Rey and Puerto Nuevo.										
North Central Arecibo	20	1340AST			0	0	2.00K	0.00K	Flood	
Emergency Management from Arecibo reported several roads flooded over Arecibo municipality.										
Sufficient low level moisture combined with good dynamics associated with an upper level low to the north of Puerto Rico, resulted in fairly widespread showers and thunderstorms over the interior and northern half of Puerto Rico.										
Ponce And Vicinity Juana Diaz	22	1710AST			0	0	0.00K	0.00K	Heavy Rain	
Heavy rains across Barrio Piedra Guza caused urban and street flooding in poorly drained areas.										
A mid to upper level deformation zone across the local area, associated with an upper level low, led to diurnal convection across the southern slopes of Puerto Rico, which produced heavy rain over Juana Diaz.										
San Juan And Vicinity San Juan	26	0355AST			0	0	0.00K	0.00K	Heavy Rain	
Emergency Management reported some poor drainage flooding along the Villamar marginal road in Isla Verde.										
The leading edge of an active tropical wave moved across the eastern part of Puerto Rico. A line of strong showers and thunderstorms accompanied this wave, bringing periods of torrential rain and frequent lightning to much of the San Juan metropolitan area. A record daily maximum rainfall of 1.59 inches was set at San Juan. This broke the old record of 0.96 set in 2002.										

Reference Notes:

Storm Data Disclosure

Storm Data is an official publication of the National Oceanic and Atmospheric Administration (NOAA) which documents the occurrence of storms and other significant weather phenomena having sufficient intensity to cause loss of life, injuries, significant property damage, and/or disruption to commerce. In addition, it is a partial record of other significant meteorological events, such as record maximum or minimum temperatures or precipitation that occurs in connection with another event.

Some of the information appearing in Storm Data may have been provided by or gathered from sources outside the National Weather Service (NWS), such as the media, law enforcement and/or other government agencies, private companies, individuals, etc. An effort is made to use the best available information, but because of time and resource constraints, information from these sources may be unverified by the NWS. Therefore, when using information from Storm Data, customers should be cautious as the NWS does not guarantee the accuracy or validity of the information. Further, when it is apparent information appearing in Storm Data originated from a source outside the National Weather Service (frequently credit is provided), Storm Data customers requiring additional information should contact that source directly. In most cases, NWS employees will not have the knowledge to respond to such requests. In cases of legal proceedings, under Department of Commerce regulations and/or rules of the court, NWS employees are not legally obligated to provide written or verbal testimony.

Fatality Codes: For events that include a fatality, there is a code containing the gender, age and fatality location at the end of the event narrative.

1st letter: Gender (M/F) – 2nd numbers: Age – 3rd letters Fatality location (see table below)

Example: M51IW – Male, 51 years of age, fatality occurred In Water.

Fatality Location Abbreviations:

BF	Ball Field	MH	Mobile Home
BO	Boating	OT	Other
BU	Business	OU	Outside/Open Areas
CA	Camping	PH	Permanent Home
EQ	Heavy Equipment/Construction	SC	School
GF	Golfing	TE	Telephone
IW	In Water	UT	Under Tree
LS	Long Span Roof	VE	Vehicle

List of Acronyms:

NWS	- National Weather Service
NOAA	- National Oceanic and Atmospheric Administration
WCM	- Warning Coordination Meteorologist – The meteorologist at each NWS Office responsible for reporting severe weather events
LST	- Local Standard Time Storm Data attempts to always use “Standard Time”
EST	- Eastern Standard Time
EDT	- Eastern Daylight Time

CST	- Central Standard Time
CDT	- Central Daylight Time
PST	- Pacific Standard Time
PDT	- Pacific Daylight Time

Other Notes:

An “Episode” is an entire storm system and can contain many different types of events.

An “Event” is an individual type of storm event.

When listing wind speed values under “Character of Storm”, ex. High Wind (G81), the G indicates a “Gust” which is a peak 5-second averaged wind speed in Knots (kts). 1 kt. = 1.152 mph. This number can be either E (estimated) by damage caused, or M (measured) by known calibrated anemometers. Ex. (M61) = measured 61 knots or E(75) = estimated at 75 knots.

All wind speeds listed are estimated by NWS personnel by the amount and type of damage unless otherwise noted with an “M” which represents an actual wind speed as measured by official NWS approved anemometer.

When listing hail size under “Character of Storm”, ex. Hail (2.25), the hail size is given in inches and hundredths of inches.

When listing property and crop damage, the figures indicated are the best guess made by the NWS from the available sources of information at the time of the printing.

The fatalities, injuries, and damage amounts appearing in tropical cyclone events are attributed only to wind damage experienced in the coastal counties/parishes listed. Other tropical cyclone related events such as tornadoes and flooding are listed within their separate event types.

The Saffir-Simpson Scale

Category One Hurricane:

Winds 74-95 mph (64-82 kt or 119-153 kph). Storm surge generally 4-5 ft above normal. No real damage to building structures. Damage primarily to unanchored mobile homes, shrubbery, and trees. Some damage to poorly constructed signs. Also, some coastal road flooding and minor pier damage.

Category Two Hurricane:

Winds 96-110 mph (83-95 kt or 154-177 kph). Storm surge generally 6-8 feet above normal. Some roofing material, door, and window damage of buildings. Considerable damage to shrubbery and trees with some trees blown down. Considerable damage to mobile homes, poorly constructed signs, and piers. Coastal and low-lying escape routes flood 2-4 hours before arrival of the hurricane center. Small craft in unprotected anchorages break moorings.

Category Three Hurricane:

Winds 111-130 mph (96-113 kt or 178-209 kph). Storm surge generally 9-12 ft above normal. Some structural damage to small residences and utility buildings with a minor amount of curtainwall failures. Damage to shrubbery and trees with foliage blown off trees and large trees blown down. Mobile homes and poorly constructed signs are destroyed. Low-lying escape routes are cut by rising water 3-5 hours before arrival of the hurricane center. Flooding near the coast destroys smaller structures with larger structures damaged by battering of floating debris. Terrain continuously lower than 5 ft above mean sea level may be flooded inland 8 miles (13 km) or more. Evacuation of low-lying residences with several blocks of the shoreline may be required.

Category Four Hurricane:

Winds 131-155 mph (114-135 kt or 210-249 kph). Storm surge generally 13-18 ft above normal. More extensive curtainwall failures with some complete roof structure failures on small residences. Shrubs, trees, and all signs are blown down. Complete destruction of mobile homes. Extensive damage to doors and windows. Low-lying escape routes may be cut by rising water 3-5 hours before arrival of the hurricane center. Major damage to lower floors of structures near the shore. Terrain lower than 10 ft above sea level may be flooded requiring massive evacuation of residential areas as far inland as 6 miles (10 km).

Category Five Hurricane:

Winds greater than 155 mph (135 kt or 249 kph). Storm surge generally greater than 18 ft above normal. Complete roof failure on many residences and industrial buildings. Some complete building failures with small utility buildings blown over or away. All shrubs, trees, and signs blown down. Complete destruction of mobile homes. Severe and extensive window and door damage. Low-lying escape routes are cut by rising water 3-5 hours before arrival of the hurricane center. Major damage to lower floors of all structures located less than 15 ft above sea level and within 500 yards of the shoreline. Massive evacuation of residential areas on low ground within 5-10 miles (8-16 km) of the shoreline may be required.

The Enhanced Fujita Scale

EF-Scale	Intensity	Wind Speed (mph)	Typical Damage (Suggested)
EF0	Gale Tornado	40 - 72	Tree branches broken, chimneys damaged, shallow-rooted trees pushed over; sign boards damaged or destroyed, outbuildings and sheds destroyed.
EF1	Moderate	73 - 112	Roof surfaces peeled off, mobile homes pushed off foundations or overturned, moving autos pushed off the roads, garages may be destroyed.
EF2	Significant	113 - 157	Roofs blown off frame houses; mobile homes demolished and/or destroyed, train boxcars pushed over; large trees snapped or uprooted; airborne debris can cause damage.
EF3	Severe	158 - 206	Roofs and walls torn off well constructed houses; trains overturned; large trees uprooted, can knock down entire forest of trees.
EF4	Devastating	207 - 260	Well-constructed frame houses leveled; structures with weak foundations blown off some distance; automobiles thrown, large airborne objects can cause significant damage.
EF5	Incredible	261 - 318	Brick, stone and cinder-block buildings destroyed, most debris is carried away by tornadic winds, large and heavy objects can be hurled in excess of 100 meters, trees debarked, asphalt peeled off of roads, steel reinforced concrete structures badly damaged.
EF6	Inconceivable	319 - 379	Brick, stone and cinderblock buildings destroyed, most debris is carried away by tornadic winds, large and heavy objects can be hurled in excess of 100 meters, trees debarked, asphalt peeled off of roads, steel reinforced concrete structures badly damaged.



Typical EF0 Tornado Damage

Note the trees are stripped of leaves, but the trees remain standing. Only light roof damage and a few missing shingles.



Typical EF1 Tornado Damage

Note the uprooted trees and missing shingles from the roof. There is significant roof damage.



Typical EF2 Tornado Damage

This home is missing its entire roof but the exterior walls remain intact. Some of the stronger hardwood trees remain standing.



Typical EF3 Tornado Damage

This home is missing the entire roof as well as some of the exterior walls. Trees are blown over or snapped near the base and outbuildings are destroyed.



Typical EF4 Tornado Damage

This home is almost completely obliterated, with no walls standing. The debris from the home is where the house once stood.



Typical EF5 Tornado Damage

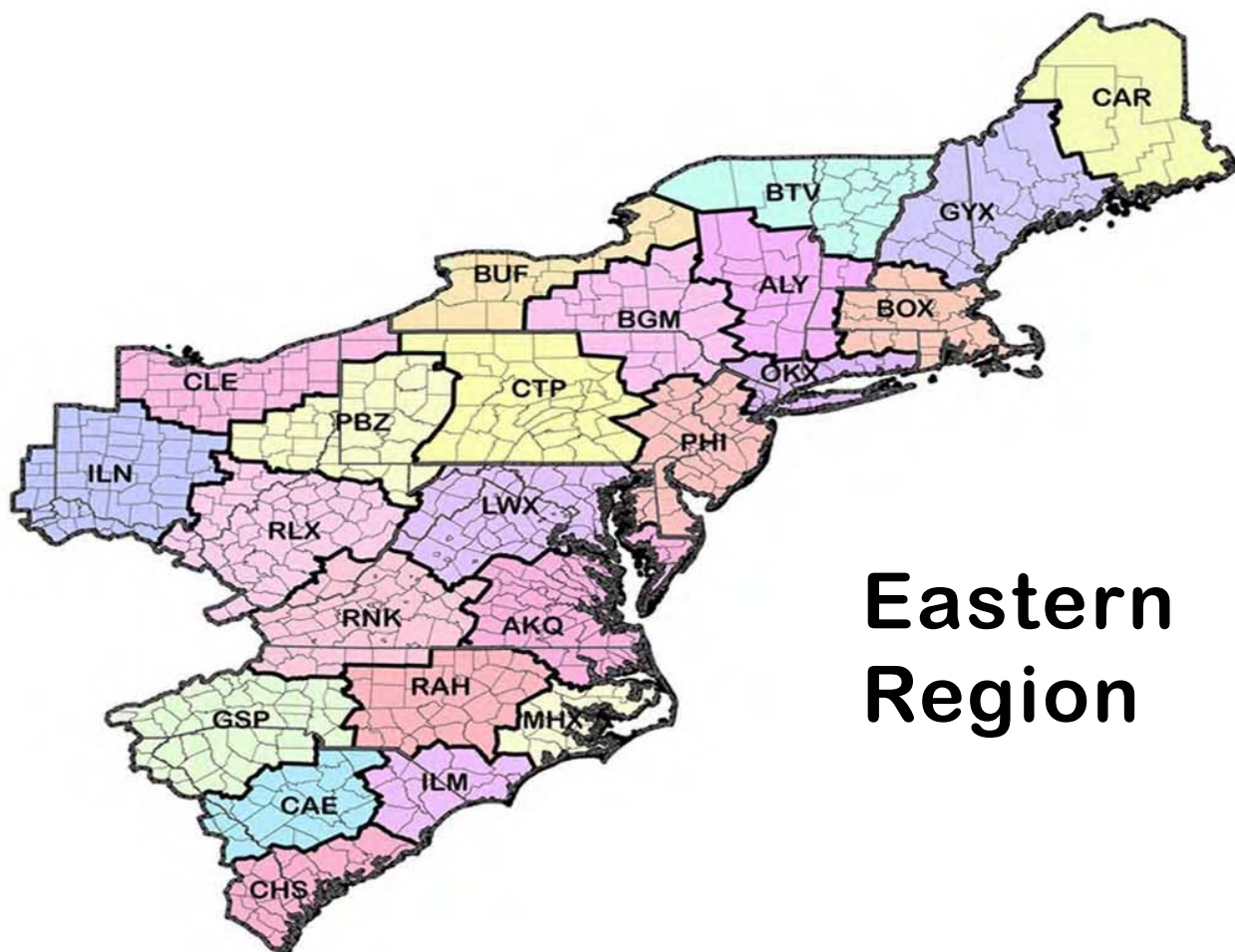
These homes have been completely removed from their original locations. The debris field has been scattered some distance from their foundation.



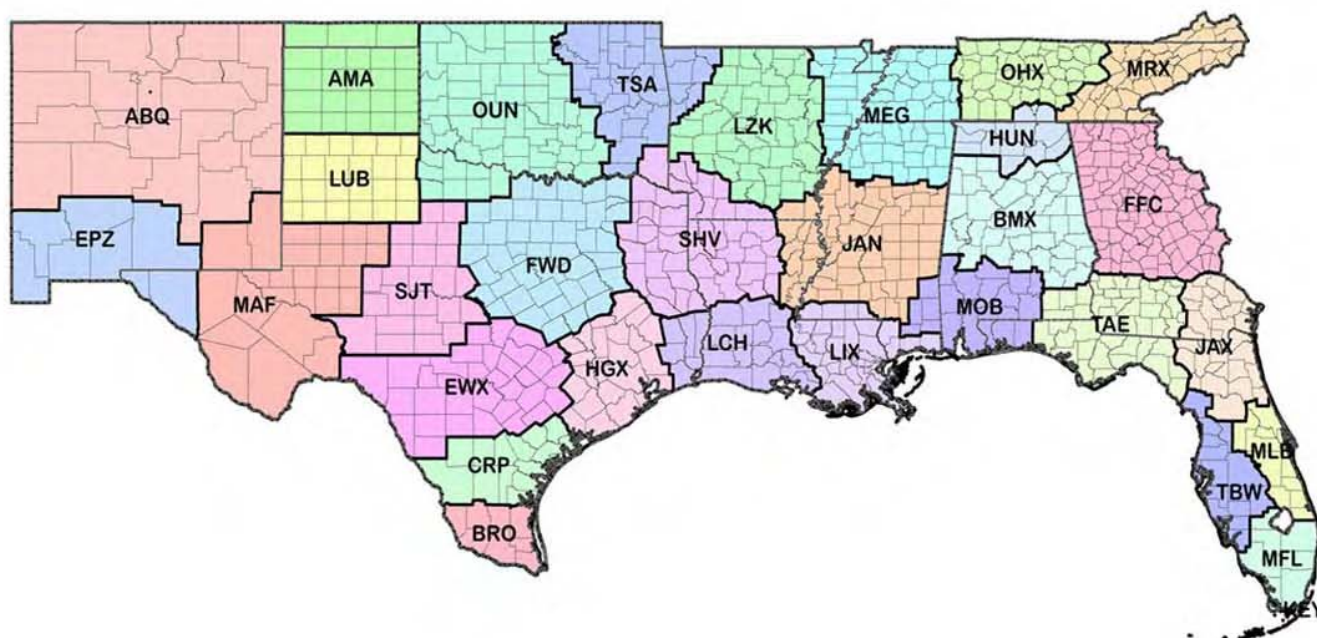
Typical EF5 Tornado Damage

The asphalt surface has been peeled off of this road.

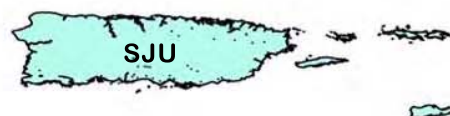
(All photographs courtesy of Brian Smith, Meteorologist, National Weather Service, Valley, NE)



Eastern Region

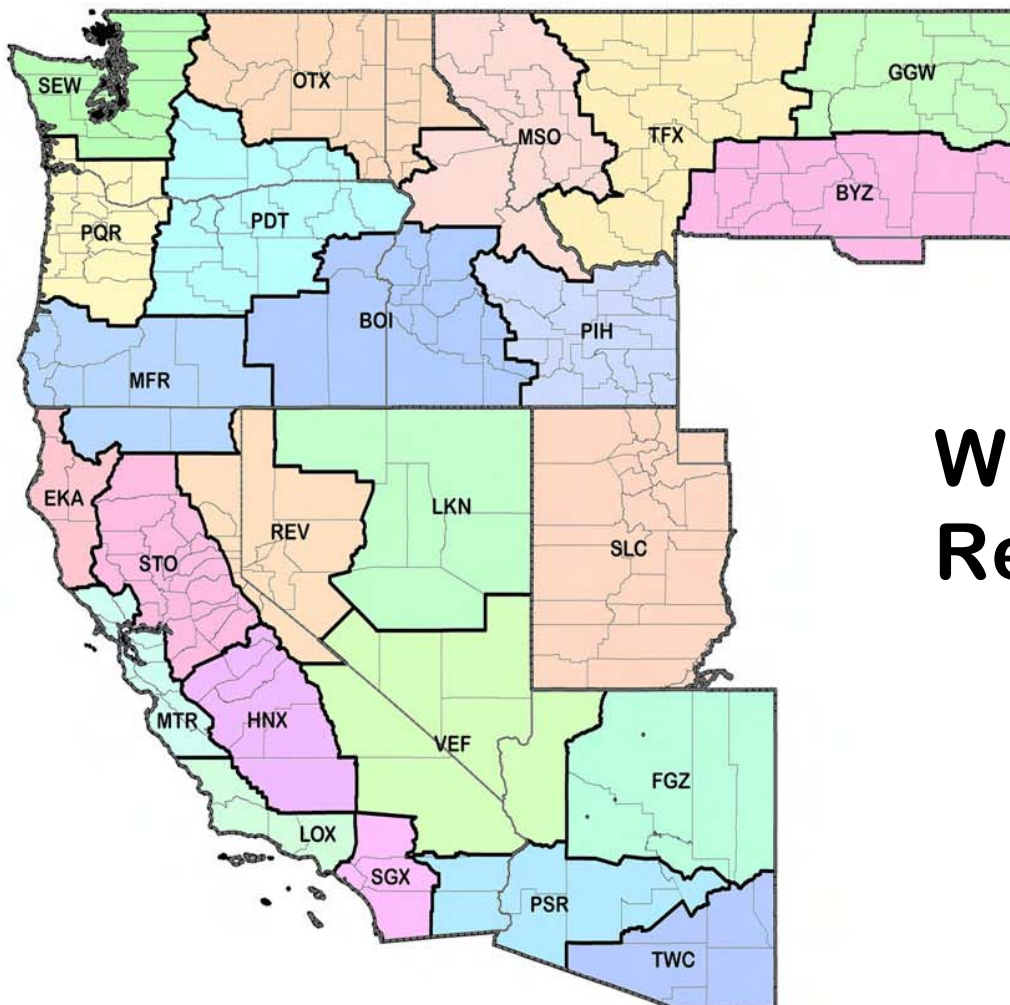
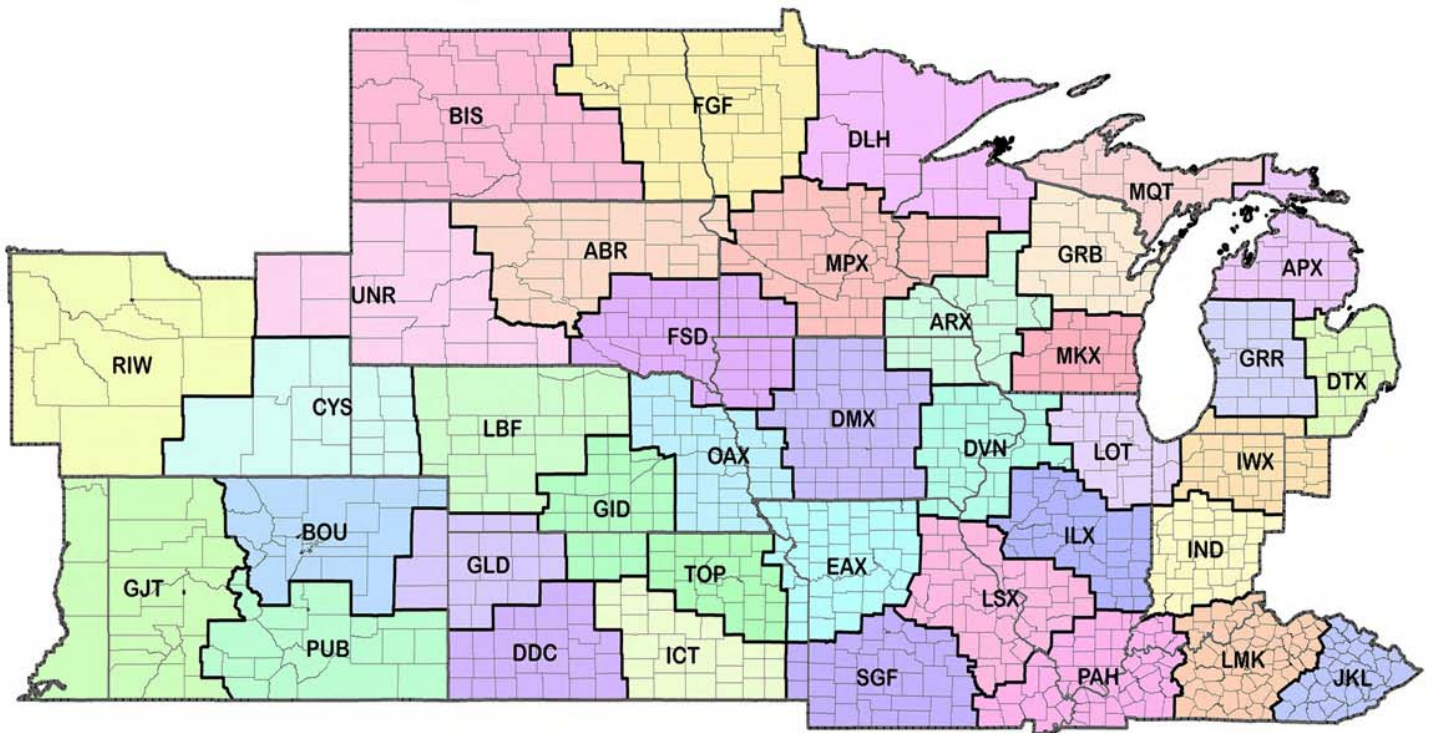


Southern Region



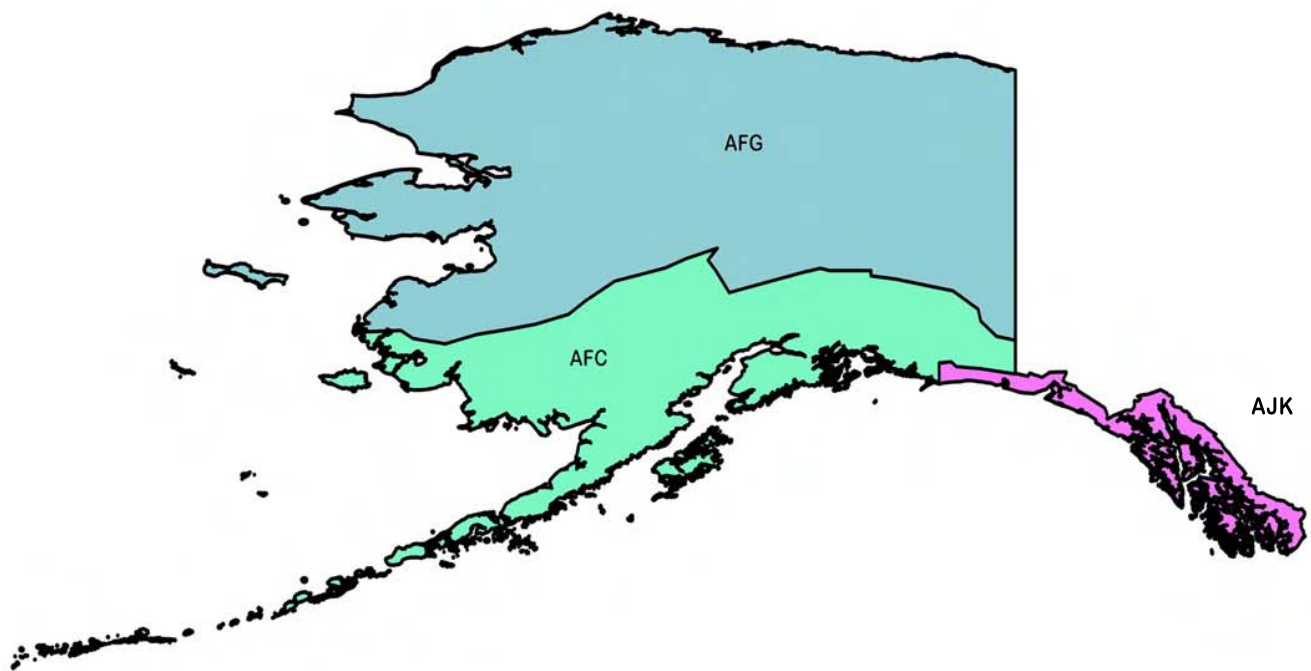
Puerto Rico

Central Region

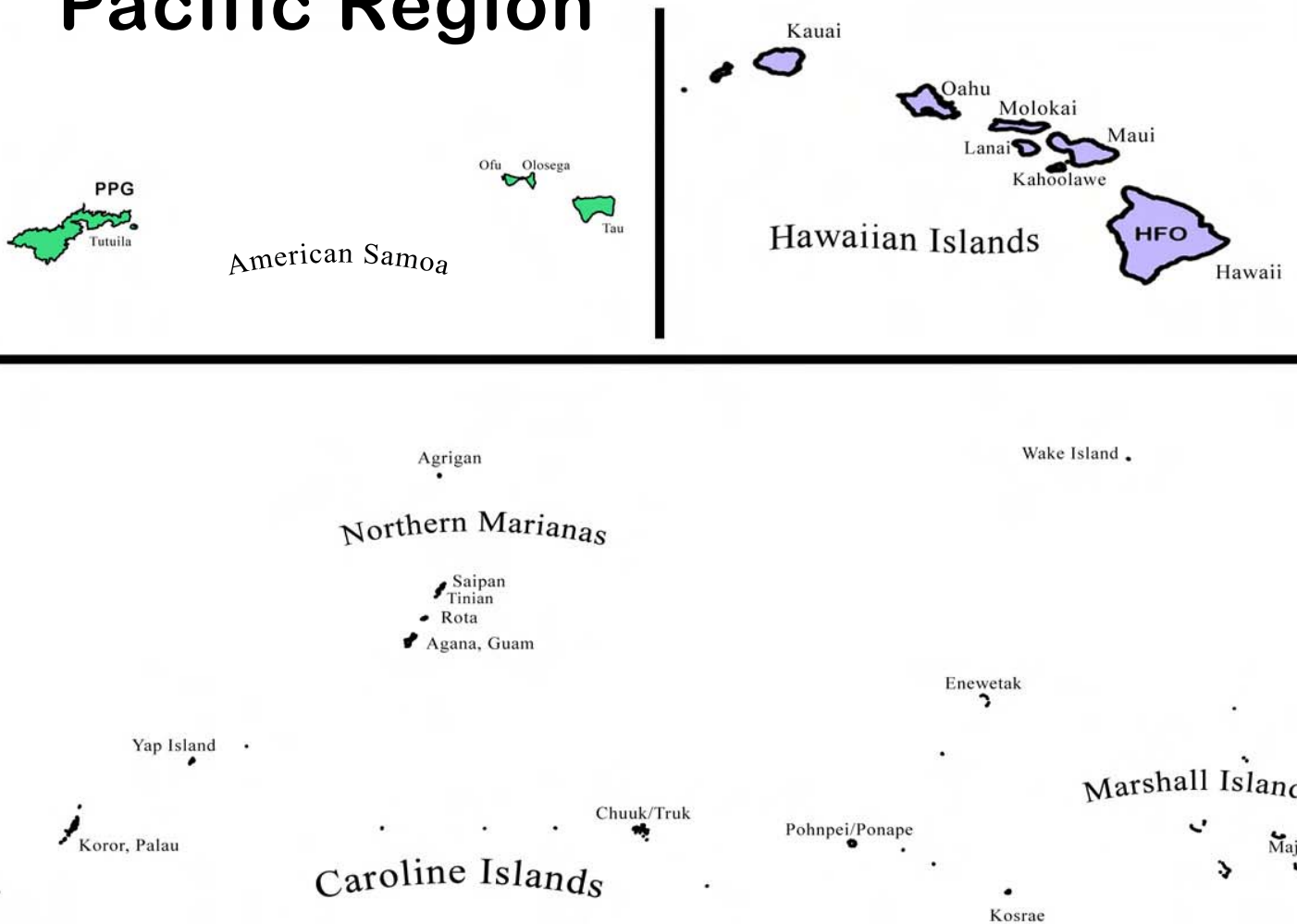


Western Region

Alaska Region



Pacific Region



These and other publications are available from the National Climatic Data Center

Hourly Precipitation Data

This publication contains hourly precipitation amounts obtained from recording rain gages located at National Weather Service, Federal Aviation Administration, and cooperative observer stations. Published data are displayed in inches and tenths or inches and hundredths at local standard time. **HPD** includes maximum precipitation for nine (9) time periods from 15 minutes to 24 hours, for selected stations.

Climatological Data

Monthly editions contain station daily maximum and minimum temperatures and precipitation. Some stations provide daily snowfall, snow depth, evaporation, and soil temperature data. Each edition also contains monthly summaries for heating and cooling degree days (65 degree F base). The July issue contains a recap of monthly heating degree days and snow data for the preceding July through June.

The Annual issue contains monthly and annual averages of temperature, precipitation, temperature extremes, freeze data, soil temperatures, evaporation, and a recap of monthly cooling degree days.

Storm Data

Monthly issues contain a chronological listing, by states, of occurrences of storms and unusual weather phenomena. Reports contain information on storm paths, deaths, injuries, and property damage. An "Outstanding storms of the month" section highlights severe weather events with photographs, illustrations, and narratives. The December issue includes annual tornado, lightning, flash flood, and tropical cyclone summaries.

Monthly Climatic Data for the World

This publication contains monthly means for temperature, pressure, precipitation, vapor pressure, and sunshine for approximately 2,000 surface data collection stations worldwide and monthly mean upper air temperatures, dew point depressions, and wind velocities for approximately 500 observing sites.

Local Climatological Data

LCD publications summarize temperature, relative humidity, precipitation, cloudiness, wind speed and direction observations for several hundred cities in the U.S. and its territories. Each monthly publication also contains the 3 hourly weather observations for that month and an hourly summary of precipitation. Annual **LCD** publications contain a summary of the past calendar year as well as historical averages and extremes.

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