

Storm Data and Unusual Weather Phenomena - April 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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ARKANSAS, Northwest

CARROLL COUNTY

CARROLLTON	04/03/07 15:23 CST	0	Hail (1.00 in)
	04/03/07 15:23 CST	0	36.27N, 93.32W

Severe thunderstorms developed along and ahead of a cold front that moved into northwestern Arkansas during the afternoon.

BENTON (AR-Z001), CARROLL (AR-Z002), WASHINGTON (AR-Z010), MADISON (AR-Z011), CRAWFORD (AR-Z019), FRANKLIN (AR-Z020), SEBASTIAN (AR-Z029)

04/04/07 04:00 CST	0	Frost/Freeze
04/09/07 09:00 CST	0	

An unseasonably warm March set the stage for a devastating freeze event across northwestern Arkansas in early April as many crops showed extensive new plant growth following the early and prolonged warm spell. An arctic high pressure system spread into the region and resulted in unseasonably cold temperatures from the 4th through the 9th. Overnight temperatures dipped into the 30s over much of the area beginning on the morning of the 4th. Northwestern Arkansas endured freezing temperatures for the following five mornings, including several mornings of temperatures in the teens and lower 20s.

The freezing temperatures were devastating to Arkansas' crops, prompting the U.S. Secretary of Agriculture to declare an agricultural disaster for a number of counties in Arkansas including Benton, Carroll, Washington, Madison, Crawford, Franklin, and Sebastian. Preliminary estimates indicated that the crop damage will probably surpass \$100 million. Crops that suffered damage included wheat, corn, grain sorghum, soybeans, rice, bermuda grass, peaches, blueberries, blackberries, strawberries, tomatoes, apples, grapes, plums, cherries, pears, figs, and pecans. More than half of the tomato crop was damaged or destroyed, and 75 to 100 percent of the year's peach, grape, blueberry, plum, and fig crops were destroyed.

FRANKLIN COUNTY

2.5 S WEBB CITY	04/24/07 18:43 CST	0.13M	Tornado (EF1, L: 1.00 mi , W: 100 yd)
2.5 SSE WEBB CITY	04/24/07 18:45 CST	0	35.4439N, 93.83W ~ 35.4466N, 93.813W

A tornado tore portions of the roofs off of two houses, damaged several other homes, destroyed several outbuildings, and snapped or uprooted a number of trees.

A strong storm system translated into the Southern Plains on the 24th from the Southern Rockies. As the system approached, a dry line shifted into central Oklahoma. With warm, moist and unstable air along and ahead of the dry line, thunderstorms erupted over central Oklahoma and north central Texas and moved northeast into northwestern Arkansas during the evening.

OKLAHOMA, Eastern

PUSHMATAHA COUNTY

MOYERS	04/10/07 20:39 CST	0	Hail (0.88 in)
	04/10/07 20:39 CST	0	34.32N, 95.65W

LATIMER COUNTY

1.0 S GOWEN	04/10/07 20:59 CST	0	Hail (0.75 in)
	04/10/07 20:59 CST	0	34.8555N, 95.47W

PITTSBURG COUNTY

SAVANNA	04/10/07 21:17 CST	0	Hail (0.88 in)
	04/10/07 21:17 CST	0	34.83N, 95.83W

PITTSBURG COUNTY

PITTSBURG	04/10/07 21:24 CST	0.10M	Thunderstorm Wind (EG 78 kt)
	04/10/07 21:24 CST	0	34.72N, 95.85W

Strong thunderstorm wind, associated with a mesocyclone, destroyed two mobile homes and several storage buildings. The wind also damaged a number of homes. Numerous trees and power poles were also snapped, uprooted, or blown down. An NWS storm survey indicated an estimated maximum wind speed of 85 to 95 mph based on the damage in and around town.

LATIMER COUNTY

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2.0 W YANUSH	04/10/07 21:56 CST		0	Hail (0.88 in)
	04/10/07 21:56 CST		0	34.7N, 95.3552W
PUSHMATAHA COUNTY				
CLAYTON	04/10/07 22:00 CST		0	Hail (1.00 in)
	04/10/07 22:00 CST		0	34.58N, 95.35W
PITTSBURG COUNTY				
PITTSBURG	04/10/07 22:10 CST		0	Hail (0.75 in)
	04/10/07 22:10 CST		0	34.72N, 95.85W
LE FLORE COUNTY				
OCTAVIA	04/10/07 22:39 CST		0	Hail (0.88 in)
	04/10/07 22:39 CST		0	34.52N, 94.7W
<p>Severe thunderstorms developed over south central Oklahoma just east of a surface low pressure system during the afternoon. These storms developed eastward along a stationary front into southeastern Oklahoma during the evening.</p>				
PUSHMATAHA COUNTY				
2.0 W ANTLERS	04/13/07 08:10 CST		0	Hail (1.00 in)
	04/13/07 08:10 CST		0	34.23N, 95.655W
PUSHMATAHA COUNTY				
1.0 W SNOW	04/13/07 08:26 CST		0	Hail (0.88 in)
	04/13/07 08:26 CST		0	34.4N, 95.4375W
LE FLORE COUNTY				
1.0 E MUSE	04/13/07 09:16 CST		0	Hail (0.88 in)
	04/13/07 09:16 CST		0	34.67N, 94.7524W
LE FLORE COUNTY				
2.0 NW OCTAVIA	04/13/07 09:30 CST		0	Hail (0.75 in)
	04/13/07 09:30 CST		0	34.5404N, 94.7248W
TULSA COUNTY				
3.0 S BROKEN ARROW	04/13/07 13:52 CST		0	Hail (0.75 in)
	04/13/07 13:52 CST		0	36.0066N, 95.78W
WAGONER COUNTY				
2.0 SE BROKEN ARROW	04/13/07 13:54 CST		0	Hail (0.75 in)
	04/13/07 13:54 CST		0	36.0296N, 95.7547W
<p>A large area of showers with embedded thunderstorms developed north of a warm front located over north Texas and ahead of a strong upper level disturbance approaching the Southern Plains from the west. A few of the thunderstorms became severe producing large hail.</p>				
PAWNEE COUNTY				
3.0 N SKEDEE	04/24/07 13:54 CST		0	Thunderstorm Wind (EG 61 kt)
	04/24/07 13:54 CST		0	36.4234N, 96.7W
<p>Thunderstorm winds estimated at 70 miles an hour blew down trees and large tree limbs.</p>				
CREEK COUNTY				
3.0 N MILFAY	04/24/07 14:15 CST		0	Hail (0.75 in)
	04/24/07 14:15 CST		0	35.7934N, 96.57W
OSAGE COUNTY				
6.0 WNW PAWHUSKA	04/24/07 14:27 CST		0	Tornado (EF0, L: 5.50 mi , W: 100 yd)
6.0 NW PAWHUSKA	04/24/07 14:35 CST		0	36.7032N, 96.4299W ~ 36.7313N, 96.4065W

A storm chaser for KOTV reported a tornado over open country.

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PAWNEE COUNTY				
CLEVELAND	04/24/07 14:30 CST		0	Thunderstorm Wind (EG 52 kt)
	04/24/07 14:30 CST		0	36.32N, 96.47W
OSAGE COUNTY				
OSAGE	04/24/07 14:32 CST		0	Thunderstorm Wind (EG 52 kt)
	04/24/07 14:32 CST		0	36.3N, 96.42W
OSAGE COUNTY				
8.0 WSW SKIATOOK	04/24/07 14:48 CST		0	Thunderstorm Wind (EG 61 kt)
	04/24/07 14:48 CST		0	36.3257N, 96.1327W
Thunderstorm winds estimated at 70 miles an hour blew down numerous trees.				
WASHINGTON COUNTY				
RAMONA	04/24/07 14:58 CST		0	Thunderstorm Wind (EG 52 kt)
	04/24/07 14:58 CST		0	36.53N, 95.92W
Thunderstorm winds estimated at 60 miles an hour blew down a tree.				
MCINTOSH COUNTY				
CHECOTAH	04/24/07 16:10 CST		0	Thunderstorm Wind (EG 52 kt)
	04/24/07 16:10 CST		0	35.43N, 95.52W
Thunderstorm winds estimated at 60 miles an hour blew down large tree limbs.				
CHOCTAW COUNTY				
5.0 SE HUGO	04/24/07 16:51 CST		20K	Thunderstorm Wind (EG 61 kt)
	04/24/07 16:51 CST		0	33.9689N, 95.4584W
Thunderstorm winds estimated at 70 miles an hour blew trees down and destroyed a barn and shop building.				
PUSHMATAHA COUNTY				
3.0 E SOBOL	04/24/07 17:00 CST		0	Thunderstorm Wind (EG 61 kt)
	04/24/07 17:00 CST		0	34.15N, 95.1676W
Thunderstorm winds estimated at 70 miles an hour blew several trees down.				
CHOCTAW COUNTY				
SOPER	04/24/07 20:25 CST		0	Thunderstorm Wind (EG 52 kt)
	04/24/07 20:25 CST		0	34.03N, 95.7W
Thunderstorm winds estimated at 60 miles an hour blew down a large tree.				
CHOCTAW COUNTY				
SOPER	04/24/07 20:30 CST		5K	Flash Flood (due to Heavy Rain)
	04/24/07 21:00 CST		0	34.03N, 95.7W
Heavy thunderstorm rains caused severe street flooding. Water entered one home.				
PUSHMATAHA COUNTY				
7.0 E RATTAN	04/24/07 20:45 CST		0	Flash Flood (due to Heavy Rain)
	04/24/07 21:45 CST		0	34.2N, 95.2976W
Heavy thunderstorm rains caused water to flow over a county road. The road was impassable.				
A strong storm system translated into the Southern Plains on the 24th from the Southern Rockies. As the system approached, a dry line shifted into central Oklahoma. With warm, moist and unstable air along and ahead of the dry line, thunderstorms erupted and moved northeast into eastern Oklahoma during the afternoon. Other severe thunderstorms moved into eastern Oklahoma from north central Texas.				
OSAGE COUNTY				

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3.0 W BURBANK	04/25/07 08:07 CST		0	Hail (0.88 in)
	04/25/07 08:07 CST		0	36.7N, 96.7741W

NOWATA COUNTY

8.0 E NOWATA	04/25/07 12:11 CST		0	Hail (0.75 in)
	04/25/07 12:11 CST		0	36.7N, 95.4858W

NOWATA COUNTY

7.0 E LENAPAH	04/25/07 12:29 CST		0	Hail (0.75 in)
	04/25/07 12:29 CST		0	36.85N, 95.5035W

OSAGE COUNTY

7.0 NE OKESA	04/25/07 12:37 CST		0	Hail (0.88 in)
	04/25/07 12:37 CST		0	36.7916N, 96.0407W

Nickel size hail fell 2 miles west of Bartlesville.

A strong storm system translated into eastern Oklahoma on the 25th. Some breaks in the cloud cover during the afternoon allowed the air mass over northeastern Oklahoma to become slightly unstable given the cold air aloft associated with the passing system. Thunderstorms developed in the unstable air and the stronger storms produced large hail.

OKMULGEE COUNTY

HENRYETTA	04/30/07 15:48 CST		0	Hail (1.00 in)
	04/30/07 15:50 CST		0	35.45N, 95.98W

PITTSBURG COUNTY

1.0 SE KREBS	04/30/07 18:29 CST		0	Hail (0.75 in)
	04/30/07 18:29 CST		0	34.9098N, 95.7075W

CHOCTAW COUNTY

1.0 W HUGO	04/30/07 18:30 CST		0	Thunderstorm Wind (EG 61 kt)
	04/30/07 18:30 CST		0	34.02N, 95.5374W

Thunderstorm winds estimated at 70 miles an hour blew two trees down.

PUSHMATAHA COUNTY

2.0 NW RATTAN	04/30/07 18:40 CST		0	Hail (0.75 in)
	04/30/07 18:40 CST		0	34.2204N, 95.4447W

CHOCTAW COUNTY

1.0 N MESSER	04/30/07 19:40 CST		0	Hail (0.88 in)
	04/30/07 19:40 CST		0	34.0945N, 95.48W

Thunderstorms developed in a moderately unstable air mass ahead of an approaching upper level low pressure system. Low level wind shear was marginal so the thunderstorms were not well organized. The strongest storms were able to produce brief periods of large hail.