

Storm Data and Unusual Weather Phenomena - February 2007

<u>Location</u>	<u>Date/Time</u>	<u>Deaths & Injuries</u>	<u>Property & Crop Dmg</u>	<u>Event Type and Details</u>
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ARKANSAS, Southeast

ASHLEY (AR-Z074)				
	02/24/07 16:00 CST	0	0.15M	Strong Wind (MAX 49 kt)
	02/24/07 16:00 CST	0	0	

ASHLEY COUNTY				
8 SW CROSSETT	02/24/07 16:30 CST	0	0	Hail (1.00 in)
2 SE MONTROSE	02/24/07 17:10 CST	0	0	33.0482N, 92.0676W ~ 33.2796N, 91.4755W

A swath of penny to quarter sized hail fell across the entire length of Ashley County before the storm moved into Chicot County just east of Portland and Montrose.

ASHLEY COUNTY				
NORTH CROSSETT	02/24/07 16:44 CST	0	0	Tornado (F0, L: 1.00 mi , W: 50 yd)
1.5 NNE NORTH CROSSETT	02/24/07 16:46 CST	0	0	33.15N, 91.95W ~ 33.17N, 91.9401W

This tornado was observed briefly on the ground in North Crossett. No structures were damaged as the tornado remained over a wooded area.

CHICOT COUNTY				
DERMOTT	02/24/07 16:53 CST	0	5K	Hail (2.50 in)
3.5 NE DERMOTT	02/24/07 16:58 CST	0	0	33.52N, 91.43W ~ 33.5558N, 91.3871W

CHICOT COUNTY				
10 W LAKE VLG	02/24/07 17:08 CST	0	0	Hail (0.88 in)
7 NE LAKE VLG	02/24/07 17:25 CST	0	0	33.33N, 91.453W ~ 33.4016N, 91.1943W

A swath of penny to nickel sized hail fell across Chicot County. This storm moved into the western portion of the county from Ashley County and tracked east northeast before crossing the Mississippi River into northern Washington County.

ASHLEY COUNTY				
7 WSW WILMOT	02/24/07 17:12 CST	0	0	Hail (0.75 in)
WILMOT	02/24/07 17:25 CST	0	0	33.0113N, 91.6915W ~ 33.05N, 91.58W

The spring of 2007 started a bit early with the region seeing its first severe weather outbreak on February 24th. A large and powerful storm system took shape as a deep surface low tracked across Kansas and into portions of Iowa. This strong area of low pressure was driven by a powerful upper level trough which supported very strong winds through the entire atmosphere. These winds were felt at the surface to some degree as a large area across the Lower Mississippi River Valley saw sustained winds between 25-35 mph with gusts between 40-50 mph. Those gradient winds, in advance of the severe weather, were strong enough to down some trees and power lines across the region. Those damage reports were more scattered in nature. Those strong winds from the deepening surface low helped to draw northward moisture and instability. The strong winds allowed for the environment to become highly sheared. Basically, there were increasing winds with height and a change in the wind direction as well. This particular combination of instability and high shear was quite rare. However, this set the stage for a severe weather outbreak which included numerous reports of damaging winds, large hail and a few tornadoes.

LOUISIANA, Northeast

MOREHOUSE COUNTY				
1 SW BASTROP	02/24/07 17:30 CST	0	40K	Thunderstorm Wind (EG 65 kt)
3 E BASTROP	02/24/07 17:35 CST	0	0	32.7698N, 91.9122W ~ 32.78N, 91.8484W

Several trees and a few power lines were blown down around Bastrop.

MOREHOUSE COUNTY				
5 E BASTROP	02/24/07 17:38 CST	0	0	Hail (0.75 in)
7 SE BONITA	02/24/07 17:53 CST	0	0	32.78N, 91.814W ~ 32.8484N, 91.5848W

WEST CARROLL COUNTY				
9 W OAK GROVE	02/24/07 17:52 CST	0	0	Hail (0.75 in)
3 N OAK GROVE	02/24/07 18:05 CST	0	0	32.87N, 91.5349W ~ 32.9134N, 91.38W

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WEST CARROLL COUNTY				
3.27 E GOODWILL	02/24/07 17:55 CST	0	50K	Thunderstorm Wind (EG 60 kt)
	02/24/07 17:55 CST	0	0	32.78N, 91.5138W
One home sustained roof damage in the Goodwill Community.				
RICHLAND COUNTY				
10 SW ALTO	02/24/07 17:58 CST	0	0	Hail (0.75 in)
3 N ARCHIBALD	02/24/07 18:13 CST	0	0	32.2678N, 91.991W ~ 32.3934N, 91.78W
RICHLAND COUNTY				
6 N RAYVILLE	02/24/07 18:00 CST	0	0	Hail (0.75 in)
13 NE RAYVILLE	02/24/07 18:11 CST	0	0	32.5667N, 91.75W ~ 32.6129N, 91.5923W
RICHLAND COUNTY				
RAYVILLE	02/24/07 18:00 CST	0	70K	Thunderstorm Wind (MG 61 kt)
2 E RAYVILLE	02/24/07 18:03 CST	0	0	32.48N, 91.75W ~ 32.48N, 91.7157W
Along I-20, a trained spotter measured a 70 mph wind gust in Rayville. Additionally, a large double-post road sign was blown down along I-20 at exit 145.				
WEST CARROLL COUNTY				
7 WNW EPPS	02/24/07 18:10 CST	0	0	Hail (0.75 in)
3 S PIONEER	02/24/07 18:22 CST	0	0	32.6387N, 91.591W ~ 32.6866N, 91.43W
EAST CARROLL COUNTY				
12 SW LAKE PROVIDENCE	02/24/07 18:28 CST	0	0	Hail (0.88 in)
4 S LAKE PROVIDENCE	02/24/07 18:40 CST	0	0	32.6773N, 91.3258W ~ 32.7422N, 91.18W
CATAHOULA COUNTY				
5 WSW JONESVILLE	02/24/07 19:07 CST	0	40K	Hail (1.75 in)
7 NE JONESVILLE	02/24/07 19:22 CST	0	0	31.5923N, 91.9084W ~ 31.6916N, 91.7459W
CATAHOULA COUNTY				
1 S JONESVILLE	02/24/07 19:13 CST	0	0.40M	Tornado (F1, L: 1.00 mi , W: 100 yd)
1 SE JONESVILLE	02/24/07 19:14 CST	0	0	31.6055N, 91.83W ~ 31.6098N, 91.818W
This tornado touched down in Jonesville and heavily damaged or destroyed 6 mobile homes and caused minor damage to 3 other homes. Dozens of trees were also snapped or uprooted. The tornado continued to track east northeast and crossed the Tensas River into Concordia Parish. Further along the path, the tornado crossed the river again, back into Catahoula Parish and then crossed the river one last time as it moved into Concordia Parish.				
CONCORDIA COUNTY				
2 W WILDSVILLE	02/24/07 19:14 CST	0	0.40M	Tornado (F2, L: 3.33 mi , W: 300 yd)
2 NNE WILDSVILLE	02/24/07 19:19 CST	0	0	31.62N, 91.834W ~ 31.6467N, 91.787W
After crossing the Tensas River at Jonesville, this tornado continued across wooded land just northwest of the Wildsville Community. Most of this track was not accessible by vehicle. However, the tornado intensified as it downed or snapped numerous trees. The tornado continued to track east northeast and crossed the Tensas River back into Catahoula Parish and then crossed the river one last time as it moved into Concordia Parish.				
CATAHOULA COUNTY				
4 ENE JONESVILLE	02/24/07 19:19 CST	0	0	Tornado (F2, L: 3.00 mi , W: 400 yd)
7 ENE JONESVILLE	02/24/07 19:24 CST	0	0.15M	31.6421N, 91.7673W ~ 31.6587N, 91.7202W
After crossing the Tensas River back into Catahoula Parish, this tornado continued across wooded and open farm land. Most of this track was not accessible by vehicle. However, the tornado intensified as it downed or snapped numerous trees. The tornado continued to track east northeast and crossed the Tensas River back into Concordia Parish.				
MADISON COUNTY				
9 W QUIMBY	02/24/07 19:20 CST	0	0	Hail (0.75 in)
7 S TALLULAH	02/24/07 19:33 CST	0	0	32.23N, 91.3738W ~ 32.3188N, 91.2W
CONCORDIA COUNTY				

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6 WSW DUNBARTON	02/24/07 19:24 CST	0	0.30M	Tornado (F2, L: 10.00 mi , W: 500 yd)
3 WNW CLAYTON	02/24/07 19:38 CST	0	0.30M	31.6868N, 91.7642W ~ 31.7366N, 91.5971W

After crossing the Tensas River back into Concordia Parish, the tornado was at it most intense and widest point. Hundreds of trees were mangled, snapped and uprooted. Numerous power lines were also taken down and mangled along the path. Near Dunbarton, 2 mobile homes were destroyed as the tornado continued toward Clayton. Far the most part, this tornado remained over rural areas with much of the path not accessible by vehicle. The total path length, as it crossed the each parish line several times, was 17 miles. The widest point was 500 yards in Concordia Parish.

The spring of 2007 started a bit early with the region seeing its first severe weather outbreak on February 24th. A large and powerful storm system took shape as a deep surface low tracked across Kansas and into portions of Iowa. This strong area of low pressure was driven by a powerful upper level trough which supported very strong winds through the entire atmosphere. These winds were felt at the surface to some degree as a large area across the Lower Mississippi River Valley saw sustained winds between 25-35 mph with gusts between 40-50 mph. Those gradient winds, in advance of the severe weather, were strong enough to down some trees and power lines across the region. Those damage reports were more scattered in nature.

Those strong winds from the deepening surface low helped to draw northward moisture and instability. The strong winds allowed for the environment to become highly sheared. Basically, there were increasing winds with height and a change in the wind direction as well. This particular combination of instability and high shear was quite rare. However, this set the stage for a severe weather outbreak which included numerous reports of damaging winds, large hail and a few tornadoes.

MISSISSIPPI, Central

FRANKLIN COUNTY

1 S MEADVILLE	02/13/07 02:20 CST	0	0	Hail (0.88 in)
3 N MC CALL CREEK	02/13/07 02:35 CST	0	0	31.4555N, 90.9W ~ 31.5634N, 90.7W

LINCOLN COUNTY

5 SE CASEYVILLE	02/13/07 02:45 CST	0	0	Hail (1.00 in)
7 N BROOKHAVEN	02/13/07 03:00 CST	0	0	31.6189N, 90.61W ~ 31.6812N, 90.45W

LINCOLN COUNTY

REDSTAR	02/13/07 02:48 CST	0	2K	Thunderstorm Wind (EG 53 kt)
	02/13/07 02:48 CST	0	0	31.63N, 90.73W

Several trees were blown down of Pleasant Ridge Road.

COPIAH COUNTY

0.65 N BEAUREGARD	02/13/07 02:56 CST	0	0	Thunderstorm Wind (EG 50 kt)
	02/13/07 02:56 CST	0	0	31.7294N, 90.4W

A few trees were blown down.

COPIAH COUNTY

4 NNW GEORGETOWN	02/13/07 03:00 CST	0	0	Hail (0.75 in)
	02/13/07 03:00 CST	0	0	31.9234N, 90.2061W

RANKIN COUNTY

5 ENE PINEY WOODS	02/13/07 03:24 CST	0	0	Thunderstorm Wind (EG 50 kt)
	02/13/07 03:24 CST	0	0	32.0977N, 89.9012W

A couple of trees were blown down off Cato Road.

SIMPSON COUNTY

SANATORIUM	02/13/07 03:41 CST	0	3K	Thunderstorm Wind (EG 53 kt)
	02/13/07 03:41 CST	0	0	31.92N, 89.78W

Several trees were blown down off of Anse Reed, Teapot and Athens Roads in the Sanatorium Community.

SMITH COUNTY

6 WNW RALEIGH	02/13/07 03:45 CST	0	0	Hail (1.00 in)
7 N RALEIGH	02/13/07 03:58 CST	0	0	32.0632N, 89.6245W ~ 32.1312N, 89.53W

SMITH COUNTY

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4.2 NW BURNS	02/13/07 03:49 CST	0	50K	Thunderstorm Wind (EG 63 kt)
	02/13/07 03:49 CST	0	0	32.1729N, 89.6007W
Numerous trees were blown down near the intersection of Highway 481 and County Road 330. A number of trees were blown down across Highway 481.				
SMITH COUNTY				
2.5 ENE BURNS	02/13/07 03:52 CST	0	0.30M	Tornado (F1, L: 3.71 mi , W: 75 yd)
3 WNW PINEVILLE	02/13/07 03:57 CST	0	0	32.1438N, 89.5106W ~ 32.1466N, 89.4473W
This weak tornado touched down near the intersection of Highway 35 and County Road 504. One home had some roofing blown off, power poles were blown down and a few trees were snapped. The tornado tracked along the north side of Highway 504 downing many trees. When it crossed Highway 504 it uprooted and snapped a number of large pine trees, snapped two power poles and damaged a porch. The tornado then traced through forested land downing dozens of trees. It dissipated just before crossing Dixon Road where it caused minor roof damage to a chicken house.				
SCOTT COUNTY				
FOREST	02/13/07 03:58 CST	0	13K	Thunderstorm Wind (EG 56 kt)
	02/13/07 03:58 CST	0	0	32.37N, 89.48W
Several trees were blown down in Forest, some blocked roads.				
SMITH COUNTY				
PINEVILLE	02/13/07 04:01 CST	0	35K	Thunderstorm Wind (EG 50 kt)
	02/13/07 04:01 CST	0	0	32.13N, 89.4W
A couple of trees were blown down around Pineville. One tree was blown onto a house causing damage.				
SCOTT COUNTY				
5 NE FOREST	02/13/07 04:05 CST	0	15K	Thunderstorm Wind (EG 55 kt)
	02/13/07 04:10 CST	0	0	32.4211N, 89.4195W
Several trees were blown down across the eastern side of Scott County.				
JEFFERSON DAVIS COUNTY				
8 SW BASSFIELD	02/13/07 04:13 CST	0	5K	Tornado (F0, L: 3.00 mi , W: 75 yd)
5 SW BASSFIELD	02/13/07 04:16 CST	0	0	31.4182N, 89.8459W ~ 31.4489N, 89.8099W
This weak tornado downed several trees and broke off limbs along its 3 mile path across southern Jefferson Davis County.				
JEFFERSON DAVIS COUNTY				
6 WSW BASSFIELD	02/13/07 04:15 CST	0	15K	Thunderstorm Wind (EG 55 kt)
	02/13/07 04:15 CST	0	0	31.4668N, 89.844W
Sporadic trees, along with a few power lines, were blown down about 1 mile to the north of the EF0 tornado path.				
JEFFERSON DAVIS COUNTY				
2.16 N BASSFIELD	02/13/07 04:23 CST	0	0	Thunderstorm Wind (EG 50 kt)
	02/13/07 04:23 CST	0	0	31.5312N, 89.75W
A couple of trees down off Highway 35 N.				
NEWTON COUNTY				
LITTLE ROCK	02/13/07 04:34 CST	0	4K	Thunderstorm Wind (EG 55 kt)
	02/13/07 04:34 CST	0	0	32.53N, 89.03W
A few trees were blown down around the Little Rock Community, one being a very large oak tree.				
COVINGTON COUNTY				
SEMINARY	02/13/07 04:45 CST	0	0	Thunderstorm Wind (EG 50 kt)
	02/13/07 04:45 CST	0	0	31.55N, 89.5W
A few trees were blown down.				
LAUDERDALE COUNTY				

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COLLINSVILLE	02/13/07 04:47 CST	0	20K	Thunderstorm Wind (EG 65 kt)
MARTIN	02/13/07 04:47 CST	0	0	32.5N, 88.85W ~ 32.55N, 88.85W
Several trees were blown down between Collinsville and Martin. Large pine trees were down across Collinsville Martin Road and West Lauderdale Road.				
JONES COUNTY				
3 WSW ELLISVILLE	02/13/07 05:01 CST	0	0	Thunderstorm Wind (EG 50 kt)
	02/13/07 05:01 CST	0	0	31.5834N, 89.247W
Two trees were blown down at mile marker 85 off I-59, just southwest of Ellisville.				
MARION COUNTY				
1.5 W SANDY HOOK	02/13/07 05:08 CST	0	0	Hail (1.00 in)
SANDY HOOK	02/13/07 05:10 CST	0	0	31.03N, 89.8453W ~ 31.03N, 89.82W
KEMPER COUNTY				
2 SE OAK GROVE	02/13/07 05:10 CST	0	3K	Thunderstorm Wind (EG 55 kt)
	02/13/07 05:10 CST	0	0	32.6496N, 88.5557W
A few trees were blown down.				
FORREST COUNTY				
1.37 S PETAL	02/13/07 05:45 CST	0	0	Hail (0.88 in)
1.37 ESE PETAL	02/13/07 05:48 CST	0	0	31.3302N, 89.27W ~ 31.3424N, 89.2486W
LAMAR COUNTY				
4 NE LUMBERTON	02/13/07 05:58 CST	0	0	Hail (0.75 in)
	02/13/07 05:58 CST	0	0	31.0409N, 89.4023W
KEMPER COUNTY				
1.38 N TOWNSEND	02/13/07 15:20 CST	0	0	Hail (0.88 in)
7 SE SCOوبا	02/13/07 15:40 CST	0	0	32.77N, 88.55W ~ 32.7584N, 88.3449W
LOWNDES COUNTY				
3.51 S NEW HOPE	02/13/07 15:47 CST	0	0	Hail (0.88 in)
	02/13/07 15:47 CST	0	0	33.4193N, 88.32W
During the early morning hours of February 13th, a line of strong and severe storms moved across southern and central Mississippi. This line produce hail, wind damage a two weak tornadoes as it moved across the area.				
HOLMES (MS-Z036), KEMPER (MS-Z046), ADAMS (MS-Z060), MARION (MS-Z072)				
	02/24/07 14:00 CST	0	55K	Strong Wind (MAX 42 kt)
	02/24/07 18:40 CST	0	0	
WASHINGTON COUNTY				
6 W GREENVILLE	02/24/07 17:29 CST	0	0	Hail (0.88 in)
8 N LELAND	02/24/07 17:46 CST	0	0	33.4N, 91.1539W ~ 33.5157N, 90.92W
A swath of penny to nickel sized hail fell across northern portions of Washington County. This occurred from a severe thunderstorm that moved out of Chicot County and continued into southern Bolivar County where hail continued to fall all the way to Shaw.				
WASHINGTON COUNTY				
4 SW GREENVILLE	02/24/07 17:38 CST	0	0.30M	Thunderstorm Wind (EG 70 kt)
GREENVILLE	02/24/07 17:42 CST	0	0	33.3591N, 91.099W ~ 33.4N, 91.05W
A swath of straight line wind damaged occurred from just southwest of Greenville, along Highway 82, to areas within town. Along Highway 82, just before the River bridge, several power lines were blown down. In town, a Hotel sustained roof damage along with a metal car port thrown 30 feet up into a tree. Additionally, a chimney was blown off a mobile home. Many trees were uprooted and snapped along with several power lines down.				
BOLIVAR COUNTY				
8 SW SHAW	02/24/07 17:44 CST	0	0	Hail (0.88 in)
3 NE SHAW	02/24/07 17:57 CST	0	0	33.5182N, 90.9181W ~ 33.6307N, 90.7832W

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SUNFLOWER COUNTY				
6 SW INDIANOLA	02/24/07 18:05 CST	0	0.65M	Tornado (F1, L: 12.00 mi , W: 150 yd)
6 NE INDIANOLA	02/24/07 18:14 CST	0	0	33.3887N, 90.7235W ~ 33.5113N, 90.5765W
<p>This tornado touched down 6 miles southwest of Indianola and raced northeast toward and across the southern part of town. Numerous trees were snapped along with a few power poles and metal signs blown down. Several sheds were also destroyed along the path. The Kingdom Hall Church, along Highway 49, had half of its roof blown off along with the entire car port destroyed. An area fence was severely damaged as debris was blown along the path. An irrigation pivot system was flipped over and severely damaged just east of town.</p>				
LEFLORE COUNTY				
1 NW SCHLATER	02/24/07 18:26 CST	0	80K	Tornado (F0, L: 1.00 mi , W: 40 yd)
0.5 N SCHLATER	02/24/07 18:28 CST	0	0	33.6602N, 90.3623W ~ 33.6572N, 90.35W
<p>A brief tornado touched down near Schlater. The path was mainly through open field, but one mobile home had its roof blown off with another home sustaining minor damage.</p>				
ISSAQUENA COUNTY				
1.74 NE MAYERSVILLE	02/24/07 18:30 CST	0	25K	Thunderstorm Wind (EG 50 kt)
	02/24/07 18:30 CST	0	0	32.9178N, 91.0488W
<p>A few trees were blown down around town. One tree damaged a roof to a house.</p>				
LEFLORE COUNTY				
7 W GREENWOOD	02/24/07 18:30 CST	0	0.15M	Thunderstorm Wind (EG 70 kt)
5 NW GREENWOOD	02/24/07 18:34 CST	0	0	33.52N, 90.3014W ~ 33.5711N, 90.2413W
<p>Intermittent damage occurred from 7 miles west of town to about 5 miles northwest of town. Seven miles west, an awning to a house was knocked over. Northwest of town, a power pole was blown down and a irrigation pivot system was flipped over.</p>				
GRENADA COUNTY				
7 W HOLCOMB	02/24/07 18:38 CST	0	0	Hail (1.00 in)
11 NE GRENADA	02/24/07 19:10 CST	0	0	33.77N, 90.1017W ~ 33.8924N, 89.6846W
<p>A swath of penny to quarter sized hail fell across most of Grenada County.</p>				
ISSAQUENA COUNTY				
9 SSW MAYERSVILLE	02/24/07 18:39 CST	0	0	Hail (0.75 in)
5 S MAYERSVILLE	02/24/07 18:50 CST	0	0	32.7798N, 91.1293W ~ 32.8277N, 91.07W
GRENADA COUNTY				
HOLCOMB	02/24/07 18:45 CST	0	40K	Thunderstorm Wind (EG 55 kt)
GRENADA	02/24/07 19:05 CST	0	0	33.77N, 89.98W ~ 33.78N, 89.82W
<p>Scattered trees blown down across the county.</p>				
CARROLL COUNTY				
CARROLLTON	02/24/07 19:20 CST	0	40K	Thunderstorm Wind (EG 50 kt)
	02/24/07 19:25 CST	0	0	33.5N, 89.92W
<p>A few trees and numerous large limbs were blown down. A couple of the downed trees took down some power lines.</p>				
WARREN COUNTY				
2 SE REDWOOD	02/24/07 20:00 CST	0	0	Hail (0.75 in)
12 ENE REDWOOD	02/24/07 20:12 CST	0	0	32.4596N, 90.7958W ~ 32.5464N, 90.6299W
YAZOO COUNTY				
ANDING	02/24/07 20:12 CST	0	10K	Thunderstorm Wind (EG 55 kt)
	02/24/07 20:12 CST	0	0	32.68N, 90.4W
<p>Several trees blown down on power lines around Anding.</p>				

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YAZOO COUNTY				
2 S BENTONIA	02/24/07 20:20 CST	0	0	Thunderstorm Wind (EG 50 kt)
	02/24/07 20:20 CST	0	0	32.6011N, 90.37W
A few trees were blown down.				
CLAIBORNE COUNTY				
2 W HERMANVILLE	02/24/07 20:28 CST	0	0	Hail (0.75 in)
4 NE CARLISLE	02/24/07 20:43 CST	0	0	31.95N, 90.8841W ~ 32.0409N, 90.7318W
MADISON COUNTY				
FLORA	02/24/07 20:30 CST	0	0	Thunderstorm Wind (EG 50 kt)
	02/24/07 20:30 CST	0	0	32.55N, 90.32W
A few trees were blown down.				
ATTALA COUNTY				
6 N KOSCIUSKO	02/24/07 20:35 CST	0	1K	Thunderstorm Wind (EG 50 kt)
	02/24/07 20:35 CST	0	0	33.1367N, 89.58W
A few trees were blown down on Highway 43.				
ATTALA COUNTY				
7 WNW MC COOL	02/24/07 20:39 CST	0	0	Hail (0.75 in)
4 N MC COOL	02/24/07 20:52 CST	0	0	33.2387N, 89.4618W ~ 33.2578N, 89.35W
HINDS COUNTY				
6 SW UTICA	02/24/07 20:40 CST	0	0	Hail (0.75 in)
3 SE UTICA	02/24/07 20:52 CST	0	0	32.0587N, 90.6924W ~ 32.0893N, 90.5838W
CHOCTAW COUNTY				
WEIR	02/24/07 20:52 CST	0	0	Hail (0.75 in)
4 E WEIR	02/24/07 20:57 CST	0	0	33.27N, 89.28W ~ 33.27N, 89.2108W
MADISON COUNTY				
4 NE CANTON	02/24/07 20:52 CST	0	0	Hail (0.75 in)
8 ENE SHARON	02/24/07 21:05 CST	0	0	32.6609N, 89.9814W ~ 32.6943N, 89.8031W
ATTALA COUNTY				
2 E KOSCIUSKO	02/24/07 21:10 CST	0	0	Hail (0.75 in)
ETHEL	02/24/07 21:16 CST	0	0	33.05N, 89.5455W ~ 33.12N, 89.47W
COPIAH COUNTY				
CRYSTAL SPGS	02/24/07 21:23 CST	0	12K	Thunderstorm Wind (EG 53 kt)
	02/24/07 21:23 CST	0	0	31.98N, 90.37W
Several trees and power lines were blown down.				
RANKIN COUNTY				
WHITES	02/24/07 21:25 CST	0	1K	Thunderstorm Wind (EG 53 kt)
	02/24/07 21:25 CST	0	0	32.08N, 90.2W
Several trees were blown down.				
RANKIN COUNTY				
FLORENCE	02/24/07 21:30 CST	0	3K	Thunderstorm Wind (EG 50 kt)
	02/24/07 21:30 CST	0	0	32.15N, 90.13W
A couple of trees and a power line were blown down.				
LEAKE COUNTY				

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<u>Location</u>	<u>Date/Time</u>	<u>Deaths & Injuries</u>	<u>Property & Crop Dmg</u>	<u>Event Type and Details</u>
5 N CARTHAGE	02/24/07 21:35 CST	0	30K	Thunderstorm Wind (EG 50 kt)
8 S MADDEN	02/24/07 22:15 CST	0	0	32.8023N, 89.53W ~ 32.5643N, 89.35W
Scattered trees and power lines blown down across the county.				
RANKIN COUNTY				
2 W STAR	02/24/07 21:36 CST	0	0	Hail (0.75 in)
6 S BRANDON	02/24/07 21:44 CST	0	0	32.1N, 90.0841W ~ 32.1833N, 89.98W
WINSTON COUNTY				
1 SW LOUISVILLE	02/24/07 21:45 CST	0	1K	Thunderstorm Wind (EG 50 kt)
	02/24/07 21:45 CST	0	0	33.1198N, 89.0622W
A few trees were blown down on the southwest side of Louisville.				
LOWNDES COUNTY				
1 N (CBM)COLUMBUS AFB	02/24/07 21:47 CST	0	0.50K	Thunderstorm Wind (EG 50 kt)
	02/24/07 21:47 CST	0	0	33.6645N, 88.45W
A few trees were blown down just north of Columbus AFB.				
RANKIN COUNTY				
5 SE BRANDON	02/24/07 21:47 CST	0	50K	Tornado (F1, L: 1.00 mi , W: 75 yd)
	02/24/07 21:48 CST	0	0	32.2189N, 89.9196W
This tornado briefly touched down at the intersection of Morrow Road and Highway 18 in the Robinhood Community. Numerous hardwood trees were uprooted and pine trees snapped.				
COPIAH COUNTY				
2 N BEAUREGARD	02/24/07 21:50 CST	0	0	Hail (1.00 in)
2 SE ROCKPORT	02/24/07 22:12 CST	0	0	31.7489N, 90.4W ~ 31.7796N, 90.1459W
RANKIN COUNTY				
6 S PELAHATCHIE	02/24/07 21:55 CST	0	0	Hail (0.75 in)
6 SE PELAHATCHIE	02/24/07 22:03 CST	0	0	32.2333N, 89.8W ~ 32.2587N, 89.7274W
FRANKLIN COUNTY				
1 S MC CALL CREEK	02/24/07 21:58 CST	0	0	Hail (0.75 in)
3 E MC CALL CREEK	02/24/07 22:02 CST	0	0	31.5055N, 90.7W ~ 31.52N, 90.6491W
FRANKLIN COUNTY				
2.73 SE LITTLE SPGS	02/24/07 22:00 CST	0	0.30K	Thunderstorm Wind (EG 50 kt)
	02/24/07 22:00 CST	0	0	31.3721N, 90.6973W
A couple of trees were blown down off Highway 98.				
OKTIBBEHA COUNTY				
6 SE STARKVILLE	02/24/07 22:00 CST	0	0	Hail (0.75 in)
8 E STARKVILLE	02/24/07 22:07 CST	0	0	33.4087N, 88.7565W ~ 33.47N, 88.6914W
LINCOLN COUNTY				
5 SSW VAUGHN	02/24/07 22:01 CST	0	0	Hail (0.88 in)
10 E BROOKHAVEN	02/24/07 22:29 CST	0	0	31.5132N, 90.6125W ~ 31.58N, 90.2803W
SCOTT COUNTY				
6 WSW STAGE	02/24/07 22:02 CST	0	0	Hail (0.75 in)
6 SSE FOREST	02/24/07 22:24 CST	0	0	32.2468N, 89.7248W ~ 32.2899N, 89.4407W
LOWNDES COUNTY				
ARTESIA	02/24/07 22:05 CST	0	0	Hail (0.75 in)
MAYHEW	02/24/07 22:10 CST	0	0	33.42N, 88.65W ~ 33.48N, 88.63W

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<u>Location</u>	<u>Date/Time</u>	<u>Deaths & Injuries</u>	<u>Property & Crop Dmg</u>	<u>Event Type and Details</u>
SMITH COUNTY				
POLKVILLE	02/24/07 22:07 CST	0	50K	Thunderstorm Wind (EG 60 kt)
5 E POLKVILLE	02/24/07 22:15 CST	0	0	32.18N, 89.7W ~ 32.18N, 89.6146W
Numerous trees were blown down along with several power lines.				
SIMPSON COUNTY				
7 W SHIVERS	02/24/07 22:11 CST	0	0	Hail (1.00 in)
MAGEE	02/24/07 22:42 CST	0	0	31.8N, 90.1191W ~ 31.87N, 89.73W
NESHOBA COUNTY				
0.69 N DIXON	02/24/07 22:13 CST	0	10K	Thunderstorm Wind (EG 55 kt)
	02/24/07 22:13 CST	0	0	32.68N, 89.22W
A mobile home had a portion of its tin roof peeled off.				
LAWRENCE COUNTY				
4 SSW SONTAG	02/24/07 22:24 CST	0	0	Hail (0.75 in)
1 S WANILLA	02/24/07 22:35 CST	0	0	31.5966N, 90.226W ~ 31.6155N, 90.13W
LOWNDES COUNTY				
COLUMBUS	02/24/07 22:30 CST	0	60K	Thunderstorm Wind (EG 55 kt)
	02/24/07 22:30 CST	0	0	33.5N, 88.43W
Scattered trees were blown down across the county. One mobile home was damaged around Columbus.				
LAWRENCE COUNTY				
1.37 ENE WANILLA	02/24/07 22:37 CST	0	0.30K	Thunderstorm Wind (EG 50 kt)
	02/24/07 22:37 CST	0	0	31.6376N, 90.1085W
A few trees were blown down.				
NEWTON COUNTY				
4 W LAWRENCE	02/24/07 22:40 CST	0	70K	Tornado (F1, L: 3.50 mi , W: 150 yd)
2.5 NW LAWRENCE	02/24/07 22:43 CST	0	0	32.32N, 89.2984W ~ 32.3456N, 89.2602W
This tornado touched down along Ponderosa Road and tracked northeast for 3.5 miles. The tornado paralleled Interstate 20 for a short while then crossed the interstate just west of mile-marker 101. Numerous hardwood trees were uprooted with numerous pine trees snapped. Several large pine trees blocked the east bound lanes of Interstate 20. The tornado dissipated just north of the interstate.				
LOWNDES COUNTY				
1.38 S NEW HOPE	02/24/07 22:41 CST	0	0	Thunderstorm Wind (EG 53 kt)
	02/24/07 22:41 CST	0	0	33.45N, 88.32W
A few trees were blown down around New Hope.				
SMITH COUNTY				
PINEVILLE	02/24/07 22:48 CST	0	30K	Thunderstorm Wind (EG 55 kt)
4 NE PINEVILLE	02/24/07 22:52 CST	0	0	32.13N, 89.4W ~ 32.1709N, 89.3517W
Several trees and power lines were blown down.				
LAUDERDALE COUNTY				
SUQALENA	02/24/07 23:25 CST	0	0	Thunderstorm Wind (EG 53 kt)
	02/24/07 23:25 CST	0	0	32.45N, 88.83W
A couple of trees were blown down.				
LAUDERDALE COUNTY				
MERIDIAN	02/24/07 23:38 CST	0	40K	Thunderstorm Wind (EG 50 kt)
	02/24/07 23:38 CST	0	0	32.37N, 88.72W
A few trees were blown down around the city with one large tree down on a house.				

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COVINGTON COUNTY				
COLLINS	02/24/07 23:52 CST	0	0	Thunderstorm Wind (EG 50 kt)
	02/24/07 23:52 CST	0	0	31.63N, 89.55W

A couple of trees were blown down around Collins.

JONES COUNTY				
LAUREL	02/25/07 00:23 CST	0	12K	Thunderstorm Wind (EG 53 kt)
	02/25/07 00:23 CST	0	0	31.7N, 89.13W

A few power lines were blown down in Laurel.

The spring of 2007 started a bit early with the region seeing its first severe weather outbreak on February 24th. A large and powerful storm system took shape as a deep surface low tracked across Kansas and into portions of Iowa. This strong area of low pressure was driven by a powerful upper level trough which supported very strong winds through the entire atmosphere. These winds were felt at the surface to some degree as a large area across the Lower Mississippi River Valley saw sustained winds between 25-35 mph with gusts between 40-50 mph. Those gradient winds, in advance of the severe weather, were strong enough to down some trees and power lines across the region. Those damage reports were more scattered in nature.

Those strong winds from the deepening surface low helped to draw northward moisture and instability. The strong winds allowed for the environment to become highly sheared. Basically, there were increasing winds with height and a change in the wind direction as well. This particular combination of instability and high shear was quite rare. However, this set the stage for a severe weather outbreak which included numerous reports of damaging winds, large hail and a few tornadoes.