



National Weather Service

Storm Data and Unusual Weather Phenomena



August 2005

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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ARKANSAS, Southeast

ARZ074>075	Ashley - Chicot	17 0700CST			0	0			Excessive Heat
		26 1900CST							

A "HOT" stretch of weather occurred during the middle to later part of August 2005. This "Heat Wave" covered a large portion of the south and lasted for a period of about 10 days. Each of these days had high temperatures consistently between 95 and 100 degrees, with 1 or 2 of these days actually reaching 100 degrees or more. Additionally, overnight lows remained warm with lower and middle 70s recorded. This is the first time since August 2000 where 100 degree temperatures were reached in this area as well as having such an extended period of "HOT" weather.

ARZ074>075	Ashley - Chicot	29 1300CST			0	0	400K	7M	Hurricane/Typhoon
		2200CST							

See detailed narrative in the Central Mississippi section.

LOUISIANA, Northeast

LAZ007>009-015>016-023>026	Morehouse - West Carroll - East Carroll - Richland - Madison - Franklin - Catahoula - Tensas - Concordia	17 0700CST			0	0			Excessive Heat
		26 1900CST							

A "HOT" stretch of weather occurred during the middle to later part of August 2005. This "Heat Wave" covered a large portion of the south and lasted for a period of about 10 days. Each of these days had high temperatures consistently between 95 and 100 degrees, with 1 or 2 of these days actually reaching 100 degrees or more. Additionally, overnight lows remained warm with lower and middle 70s recorded. This is the first time since August 2000 where 100 degree temperatures were reached in this area as well as having such an extended period of "HOT" weather.

LAZ007>009-015>016-023>026	Morehouse - West Carroll - East Carroll - Richland - Madison - Franklin - Catahoula - Tensas - Concordia	29 1100CST			0	0	3.6M	49M	Hurricane/Typhoon
		2100CST							

See detailed narrative in Central Mississippi section.

MISSISSIPPI, Central

Newton County	2 S Decatur	05 1410CST			0	0	150K		Lightning
									Lighting caused a house to catch fire and burn down off Country Club Road just south of Decatur
Smith County	Mize to Raleigh	05 1410CST			0	0	2K	10K	Thunderstorm Wind (EG55)
		1420CST							Numerous trees were blown down around Mize and northward to around Raleigh.
Oktibbeha County	Starkville	05 1450CST			0	0			Hail(0.75)
Winston County	3 E Louisville	05 1450CST			0	0	50K		Thunderstorm Wind (EG50)
									A few trees were blown down, one tree fell on a house off highway 397.
Hinds County	Pocahontas	05 1454CST			0	0	1K		Thunderstorm Wind (EG50)
									A few trees were blown down around Pocahontas.



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MISSISSIPPI, Central

Rankin County									
5 N Brandon	05	1536CST			0	0			Hail(0.75)
Rankin County									
4 N Brandon	05	1538CST			0	0	1K		Thunderstorm Wind (EG50)
A couple of trees were blown down along Grants Ferry Road.									
Webster County									
Eupora to 2 E Eupora	05	1538CST 1540CST			0	0	15K	15K	Thunderstorm Wind (EG55)
Numerous trees and several power lines were blown down from Eupora to just east of Eupora.									
Madison County									
Camden to 2 S Camden	05	1545CST 1548CST			0	0		5K	Thunderstorm Wind (EG53)
Several trees were blown down around Camden and off State Highway 17.									
Carroll County									
Countywide	05	1630CST 1640CST			0	0		15K	Thunderstorm Wind (EG50)
Several trees were blown down around the county.									
Grenada County									
Grenada	05	1730CST			0	0	20K	5K	Thunderstorm Wind (EG52)
A couple of trees and numerous large limbs were blown down. Additionally, several power lines were taken down by the large limbs and fallen trees. Most of the damage occurred on Cohea and Sundown Roads.									
Grenada County									
Elliott	06	1500CST 1505CST			0	0	60K	15K	Thunderstorm Wind (EG57)
Several trees were blown down around the Elliot Community and 2 homes sustained roof damage.									
Lincoln County									
7 E Brookhaven	12	1530CST			0	0	5K		Thunderstorm Wind (EG50)
A few trees took down a power line.									
Lowndes County									
Columbus	12	1530CST			0	0			Hail(1.00)
Hinds County									
3 NW Byram	12	1630CST			0	0			Hail(0.75)
Pea to Penny sized hail covered the ground.									
Hinds County									
2 NW Byram to Byram	12	1630CST			0	0	25K	20K	Thunderstorm Wind (EG57)
Several large trees and numerous limbs were blown down along Spring Ridge Road just outside of Byram. These trees downed several power lines and blocked a portion of Spring Ridge Road.									
Marion County									
9 N Columbia to Columbia	12	1630CST 1650CST			0	0	250K	100K	Thunderstorm Wind (EG60)
A strong microburst moved through the North-Central portion of Marion county and downed numerous trees, power lines and caused damage to a few homes. In the town of Columbia, many large oak trees were uprooted, one home was destroyed along with one vehicle. A few other homes sustained minor damage as the severe winds moved west.									
Jefferson Davis County									
Bassfield	12	1640CST			0	0	300K		Lightning
Lightning struck a Beauty Shop and caused the building to catch fire. Significant damage occurred to the shop.									



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					Killed	Injured	Property	Crops	

MISSISSIPPI, Central

Marion County

9 N Columbia **12** **1640CST** **0** **0** **Hail(0.75)**
Penny sized hail in the Bunker Hill Community.

Hinds County

Pocahontas **12** **1650CST** **0** **0** **Hail(0.88)**

Jefferson Davis County

**6 ESE Oak Vale to
2 S Oak Vale** **12** **1655CST
1705CST** **0** **0** **20K** **30K** **Thunderstorm Wind (EG55)**
Numerous trees and power lines were blown down across the Southwest portion of Jefferson Davis county

Lawrence County

**3 E Tilton to
3 SSE Tilton** **12** **1705CST
1710CST** **0** **0** **10K** **30K** **Thunderstorm Wind (EG53)**

Many trees and a few power lines were blown down across the extreme Southeast corner of Lawrence county. This was the same storm which produced wind damage across Southwest Jefferson Davis and North-Central Marion counties

Rankin County

2 W Florence **12** **1715CST** **0** **0** **1.2M** **Lightning**

Lightning struck a mansion in the Florence area and caused significant damage due to the large fire. A large portion of the home was gutted.

Lauderdale County

Meridian **12** **1720CST** **0** **0** **50K** **Hail(1.75)**

Dime to golfball sized hail fell across the city of Meridian. The largest hail occurred at the Bonita Lakes Mall

Copiah County

2 NW Wesson **15** **1746CST** **0** **0** **Hail(0.75)**

Hinds County

4 SW Jackson **15** **2010CST
2130CST** **0** **0** **2M** **Flash Flood**

A quick deluge, about 3 inches in less than 1 hour, occurred across a portion of South Jackson during the evening of the 15th. This locally intense rainfall caused about 20 homes to flood along Archer Ave. Additionally, several roads in this area were flooded by 1-2 feet of water which caused the roads to temporarily closed.

MSZ018>019-025>066-072>074

Bolivar - Sunflower - Leflore - Grenada - Carroll - Montgomery - Webster - Clay - Lowndes - Choctaw - Oktibbeha - Washington - Humphreys - Holmes - Attala - Winston - Noxubee - Issaquena - Sharkey - Yazoo - Madison - Leake - Neshoba - Kemper - Warren - Hinds - Rankin - Scott - Newton - Lauderdale - Claiborne - Copiah - Simpson - Smith - Jasper - Clarke - Jefferson - Adams - Franklin - Lincoln - Lawrence - Jefferson Davis - Covington - Jones - Marion - Lamar - Forrest

17 **0700CST** **0** **0** **Excessive Heat**
26 **1900CST**

A "HOT" stretch of weather occurred during the middle to later part of August 2005. This "Heat Wave" covered a large portion of the south and lasted for a period of about 10 days. Each of these days had high temperatures consistently between 95 and 100 degrees, with 1 or 2 of these days actually reaching 100 degrees or more. Additionally, overnight lows remained warm with lower and middle 70s recorded. This is the first time since August 2000 where 100 degree temperatures were reached in this area as well as having such an extended period of "HOT" weather.

Lawrence County

4 NE Tilton **21** **1420CST
1422CST** **0** **0** **5K** **Thunderstorm Wind (EG53)**

Several trees and numerous limbs took down a few power lines near Oak Vale.



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					Killed	Injured	Property	Crops	
MISSISSIPPI, Central									
Jefferson Davis County									
Oak Vale to 2 SSE Oak Vale	21	1421CST 1425CST			0	0	30K	10K	Thunderstorm Wind (EG55)
Numerous trees and large limbs were blown down and knocked down power lines									
Marion County									
Kokomo	21	1440CST			0	0	30K	30K	Thunderstorm Wind (EG55)
Numerous trees and large limbs were blown down on power lines.									
Rankin County									
6 N Brandon to 3 NNW Brandon	21	1504CST 1510CST			0	0	50K	30K	Thunderstorm Wind (EG58)
Numerous trees were blown down north of Brandon off highway 471. The swath of damage occurred from around the Fox Bay subdivision south-south westward to Luckney Road. Within this area numerous trees were blown down along with a couple of power lines.									
Lamar County									
Purvis	21	1515CST			0	0	10K		Thunderstorm Wind (EG53)
A few trees and power lines were blown down.									
Holmes County									
7 N Lexington to 3 NNW Lexington	21	1605CST 1610CST			0	0	2K	30K	Thunderstorm Wind (EG55)
Numerous trees were blown down off State Highway 17 about 7 miles north of Lexington. Tree damage occurred within a couple mile swath.									
Lowndes County									
3 N Columbus to Columbus	21	1632CST 1636CST			0	0	80K	20K	Thunderstorm Wind (EG60)
Numerous trees and many power lines were blown down from just north of town southward into the city of Columbus. Additionally, a significant amount of large limbs were also blown down.									
Lowndes County									
3 N Columbus	21	1635CST			0	0			Hail(0.88)
Rankin County									
1 NW Piney Woods	21	1635CST			0	0			Thunderstorm Wind (EG50)
A few trees were blown down off US Highway 49 outside of Piney Woods.									
Simpson County									
3 W Braxton	21	1645CST			0	0	2K		Thunderstorm Wind (EG50)
A few trees were blown down off Star-Braxton Road and Harrisville-Braxton Road.									
Scott County									
3 W Homewood	21	1651CST			0	0		10K	Thunderstorm Wind (EG53)
Several trees were blown down with a few having their tops broken off.									
Smith County									
2 N Polkville to 4 SE Daniel	21	1651CST 1703CST			0	0	15K	15K	Thunderstorm Wind (EG53)
Several trees and a few power lines were blown down from around Polkville to the White Oak Community.									
Holmes County									
Pickens	21	1750CST			0	0			Thunderstorm Wind (EG50)
A few trees were blown down.									
Yazoo County									
Yazoo City	21	1758CST			0	0	120K		Lightning
Lightning struck an apartment building causing a portion of it to catch fire. A small section of the building had significant damage while the rest suffered smoke damage.									
Yazoo County									
5 W Yazoo City to	21	1805CST			0	0	80K	30K	Thunderstorm Wind (EG60)



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<u>MISSISSIPPI, Central</u>									
4 S Yazoo City		1810CST							Numerous trees and power lines were blown down just outside of Yazoo City from the west of town and to the south
Kemper County 5 NW De Kalb	21	1830CST			0	0	10K		Thunderstorm Wind (EG55) A few trees were blown down and a roof was blown off a shed.
Bolivar County Shelby	22	1354CST			0	0	200K	15K	Thunderstorm Wind (EG65) Numerous trees were blown down on the north side of Shelby. Several power poles and power lines were blown down in Shelby and 3 light poles were blown down at the high school football field.
Grenada County 5 W Holcomb	22	1420CST			0	0	300K	50K	Thunderstorm Wind (EG60) Numerous trees were blown down along with 6 homes sustaining minor to major damage. The damage to the homes were roof damage which was caused by the wind or by trees falling on the structures.
Webster County 5 NE Eupora	22	1445CST			0	0		3K	Thunderstorm Wind (EG50) Several trees were blown down just northeast of Eupora.
Oktibbeha County Maben	22	1448CST			0	0	15K		Lightning Lightning struck a mobile home causing it to catch fire
Neshoba County 10 ENE Philadelphia	22	1550CST			0	0		5K	Thunderstorm Wind (EG52) Several trees were blown down.
Holmes County 10 N Lexington	22	1600CST			0	0		5K	Thunderstorm Wind (EG52) Several trees were blown down.
Sharkey County Rolling Fork	22	1700CST			0	0			Thunderstorm Wind (EG50) A few trees and numerous large limbs were blown down.
Smith County Taylorsville	22	1700CST			0	0	1M	100K	Thunderstorm Wind (EG70) An intense microburst caused significant damage around Taylorsville. Several buildings had the roof blown off along with several others sustaining roof damage. Numerous trees and power lines were also blown down around town.
Jasper County 6 E Bay Spgs to 5 SE Bay Spgs	22	1825CST 1830CST			0	0	300K	100K	Thunderstorm Wind (EG67) A strong microburst caused numerous trees and power lines to get blown down in a 3 mile radius of the intersection of Highway 528 and county road 23. Additionally, a house nearby sustained roof damage and a hay barn was destroyed
Lowndes County Columbus	23	1718CST			0	0	5K		Thunderstorm Wind (EG50) One tree was blown down on Lynn Drive. Additionally, several traffic lights were blown down at Brown and Alabama Streets as well as South McCrary.
Lowndes County New Hope	23	1725CST			0	0	100K		Lightning Lightning struck a barn and caught in on fire. The barn was totally destroyed as it burned to the ground.



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MISSISSIPPI, Central

Leflore County

Greenwood **23** **1820CST** **0** **0** **50K** **Lightning**
 Lightning struck several light poles in town and knocked out a few transformers.

Bolivar County

5 WSW Shaw **27** **0950CST** **0** **0** **200K** **Thunderstorm Wind (EG68)**
 A few greenhouses and mobile homes along with several sheds were severely damage by downburst winds as a thunderstorm moved through Southern Bolivar county. The greenhouses and sheds were blown down and the mobile homes were rolled over

MSZ018>019-025>066-072>074

Bolivar - Sunflower - Leflore - Grenada - Carroll - Montgomery - Webster - Clay - Lowndes - Choctaw - Oktibeha - Washington - Humphreys - Holmes - Attala - Winston - Noxubee - Issaquena - Sharkey - Yazoo - Madison - Leake - Neshoba - Kemper - Warren - Hinds - Rankin - Scott - Newton - Lauderdale - Claiborne - Copiah - Simpson - Smith - Jasper - Clarke - Jefferson - Adams - Franklin - Lincoln - Lawrence - Jefferson Davis - Covington - Jones - Marion - Lamar - Forrest

29 **0800CST** **15** **104** **5.9B** **1.5B** **Hurricane/Typhoon**
2330CST



Downed trees at the South Mississippi Electric Power Association

Hurricane Katrina will likely go down as the worst and costliest natural disaster in United States history. The amount of destruction, the cost of damaged property/agriculture and the large loss of life across the affected region has been overwhelming. Catastrophic damage was widespread across a large portion of the Gulf Coast region. The devastation was not only confined to the coastal region, widespread and significant damage occurred well inland up to the Hattiesburg area and northward past Interstate 20. This hurricane has changed life as we know it across the Gulf Coast region which will take many years to return to normal.

Hurricane Katrina was a very large and powerful storm which set several unfortunate records. This storm began as Tropical Depression 12 during the late afternoon and evening of August 23rd. The storm slowly moved northwest, became more organized, and was upgraded to Tropical Storm during the late morning of August 24th as it moved across the Central Bahamas. The Tropical Storm continued to become better organized as it moved slowly west toward Southern Florida. Katrina became a Category 1 Hurricane late in the afternoon on August 25th just before moving inland across South Florida. Hurricane Katrina moved south westward across Southern Florida and only slightly weakened to a Tropical Storm for a few hours while over land. Katrina quickly regained Hurricane status as it moved back over water in the southeast Gulf of Mexico. Katrina continued to move to the west-southwest over the southern Gulf and steadily became better organized and more intense. During the very early hours of August 28, Hurricane Katrina under went rapid intensification and became a Category 5 hurricane. By Sunday afternoon, August 28th, Hurricane Katrina reached her maximum intensity. The sustained winds were 175 mph and the lowest central pressure was 902 mb or 26.64 inches of mercury. This incredible low pressure ranked Katrina 4th for the all time lowest pressures in the Atlantic Basin. By this time, the hurricane had made her turn to the north-northwest and set a course for Southeast Louisiana and the Mississippi Gulf Coast. Hurricane Katrina continued northward and made landfall in Southeast Louisiana near Empire around 540 am CDT. The



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MISSISSIPPI, Central

sustained winds were 145 mph and the central pressure was 918 mb or 27.11 inches of mercury. This ranks Katrina as having the 3rd lowest pressure at landfall behind Camille (2nd) and the Labor Day Hurricane (1st). Katrina moved nearly due north across extreme Southeast Louisiana and moved inland again at the mouth of the Pearl River around 905 am CDT. Through the morning and afternoon hours, Katrina steadily moved north and then north-northeast across all of Mississippi. Katrina remained a hurricane as it crossed Interstate 20 near Newton, MS. Katrina was downgraded to a Tropical Storm around 600 pm CDT on Monday, August 29th. The storm continued to move north-northeast across eastern and northeast Mississippi through the evening. The center of the storm passed near Starkville and West Point before exiting the region about 1045 mph CDT Monday, August 29th. Additionally, Hurricane Katrina was responsible for 10 tornadoes. These tornadoes were confined to Central and East-Central Mississippi, mainly Newton, Lauderdale, Leake, Neshoba and Kemper counties. These tornadoes were of F1 and F2 strength, with 8 of the 10 rated as F1.

The following are measurements of the strongest winds and lowest pressures measured by area instruments. These data may not represent the strongest winds or lowest readings due to instrument failure or power outages.

The 3 strongest wind gusts were recorded at Laurel (110 mph), Hattiesburg (100 mph) and Columbia (81 mph). These readings all occurred before the instruments failed. The 4th strongest wind gust occurred in Starkville (76 mph).

The 3 lowest pressures were recorded at Columbia (951 mb), Meridian Naval Air Station (964 mb) and at the NWS Jackson (973.3 mb or 28.74 inches). The observed pressure at the NWS Jackson set the all time record for lowest Sea Level Pressure. The previous record was (28.94 inches) which occurred on August 17, 1969 during Hurricane Camille.

The damage from Hurricane Katrina was devastating and widespread. Damage occurred across all of the Jackson forecast area which includes 9 parishes in Northeast Louisiana, 2 counties in Southeast Arkansas and about 2/3 of Central and Southern Mississippi. As widespread as the damage was, the more concentrated and most significant damage occurred across Southeast and East-Central Mississippi. For other areas, especially those west of a Natchez to Yazoo City to Grenada line, damage to trees and power lines was significant and scattered across the landscape. As you move toward Central Mississippi and along Interstate 55 the damage and impacts increase. This portion of the state sustained widespread damage to trees and power lines. Millions of trees were uprooted, snapped or severely damaged. It was the fallen trees that caused just about all of the structural damage and downed power lines across this region. Hundreds of trees fell onto homes causing minor to major damage. These downed trees were responsible for 2 fatalities across Hinds and Warren counties. In each case, a tree fell on a house. Additionally, significant and extensive damage occurred to the Agriculture and Forestry industries of this region. The most devastating damage occurred across Southeast Mississippi, especially south and east of a Columbia to Collins to Laurel line. This region received sustained winds between 60 and 80 mph with gusts ranging from 80 to 120 mph. Wind damage to structures was widespread as many roofs were blown off or partially peeled off. Hundreds of signs were shredded or blown down. Many businesses sustained structural damage as windows were broken, roofs were blown off and walls were collapsed. Millions of trees were uprooted and snapped. Power poles and lines were snapped and taken down from wind and trees. It was the thousands of downed trees which caused the most significant structural damage as these trees fell onto homes and businesses. Ten fatalities were caused by trees falling on homes or on people in Jones county. This region received an enormous blow to the timber industry as a large percentage of trees were blown down or severely damaged. This timber damage will effect this region for decades. Additionally, the combination of the winds and loss of power caused significant losses to the poultry industry and other agricultural industries across this region. As Katrina moved northward, the impact across Central, East-Central and Northeast Mississippi was less, but still widespread and significant. The region east of a Monticello to Brandon to Ackerman line saw millions of trees and power lines blown down. Like the other areas, just about all of the structural damage occurred from fallen trees. Three fatalities occurred across Simpson, Lauderdale and Leake counties. Each of these fatalities was from fallen trees. The agricultural industry again was severely hit across this region with the biggest losses in the timber and poultry industries.

The utility companies across the region were severely hit as well. Thousands of power poles and countless miles of power lines were taken down by fallen trees and wind. The power outages across the region were widespread and lasted for a period of a few days to as long as 4 weeks. An example of how widespread the power outages were can be shown from the Jackson Metro area which includes 3 counties, Hinds, Rankin and Madison. The first night, Monday night, the Metro had 97% of the area out of power. The most extensive outages were across the southeast and in rural areas. Here, power took 2-4 weeks to be restored due to the massive amount of damage.

The agriculture and forestry industries of the state were severely effected by Hurricane Katrina. The timber industry was hit the hardest with timberland damaged estimated around 1.3 billion dollars. The devastating impact to this industry will be felt for decades. Another particularly hard hit industry was the poultry industry. In the region where the hurricane passed, about 9000 chicken houses exist and hold 20-25 thousand birds apiece. Approximately, 300 of these houses were destroyed and nearly another 2400 were damaged. The combination of lost birds and damaged houses bring damage estimates between 100-120 million dollars. The region's Row Crops were hard hit as well. The main crops in this industry are cotton, rice, corn and soybeans. The damage varied and was dependant on location. The estimated damage is around 100 million dollars. The region's catfish industry was also hard hit. The main damage has come from damaged levees and the loss of power. The power outage and the lack of a way to aerate the ponds has given way to disease and stress-induced conditions to the fish. The estimated damages are around 100 million dollars. Other impacted industries across the region include dairy and cattle (est damage 30 million) and Nursery Plants (est damage 18



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MISSISSIPPI, Central

million).

Hurricane Katrina was responsible for 15 direct fatalities across inland Mississippi and 19 indirect. All the direct deaths, in some way, were attributed to fallen trees. Trees either fell on homes, on vehicles, or on the actual person. The indirect fatalities varied and ranged from heart attacks to heat stress during the days after without power.

Damage costs associated with this hurricane will be the highest for any natural disaster in United States history. Preliminary amounts, across the NWS Jackson County Warning Area (CWA), show property damage estimates around 5.9 Billion dollars. Agricultural damage across the region was also extremely high with estimates around 1.5 Billion dollars. The total estimated damage is approximately 7.4 Billion dollars. All of these estimates are extremely preliminary and will likely be adjusted over the coming months. F45PH, M31UT, M49UT, M39UT, F74UT, M63UT, M57UT, F71UT, F38UT, F50UT, M71UT, M55UT, F32UT, F22UT, F30MH

Forrest County Countywide	29	0900CST 1500CST			0	0	300K		Flash Flood
Lamar County Countywide	29	0900CST 1500CST			0	0	400K		Flash Flood
Marion County East Portion	29	1000CST 1500CST			0	0	100K		Flash Flood
Covington County Southeast Portion	29	1100CST 1500CST			0	0	300K		Flash Flood
Jefferson Davis County Southeast Portion	29	1100CST 1500CST			0	0	100K		Flash Flood
Jones County West Portion	29	1100CST 1530CST			0	0	200K		Flash Flood
Jasper County West Portion	29	1200CST 1630CST			0	0	400K		Flash Flood
Smith County Countywide	29	1230CST 1630CST			0	0	200K		Flash Flood
Newton County Countywide	29	1300CST 1830CST			0	0	400K		Flash Flood
Scott County Countywide	29	1300CST 1700CST			0	0	300K		Flash Flood
Neshoba County Countywide	29	1400CST 1830CST			0	0	400K		Flash Flood
Kemper County West Portion	29	1430CST 1700CST			0	0	200K		Flash Flood
Leake County East Portion	29	1430CST 1630CST			0	0	100K		Flash Flood
Attala County East Portion	29	1600CST 1900CST			0	0	200K		Flash Flood
Noxubee County West Portion	29	1600CST 2000CST			0	0	80K		Flash Flood



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<u>MISSISSIPPI, Central</u>									
Winston County Countywide	29	1600CST 2030CST			0	0	600K		Flash Flood
Choctaw County South Portion	29	1700CST 2030CST			0	0	100K		Flash Flood
Lowndes County West Portion	29	1700CST 1930CST			0	0	100K		Flash Flood
Oktibbeha County Countywide	29	1700CST 2000CST			0	0	150K		Flash Flood
Clay County East Portion	29	1830CST 2030CST			0	0	100K		Flash Flood



Total rainfall map using gauge and radar data.

As Hurricane Katrina moved inland a swath of 5 to 8 inches of rain fell along a path where the center moved north-northeast. This heavy rain mainly fell across Southeast, Central and Northeast Mississippi over a 6 to 10 hour period. This rainfall caused many county roads and other secondary roads to flood for a period of time with a many number of roads having to be closed. Additionally, several roads had a small section washed out or nearly washed out. These sections of road were located in low lying areas near creeks and bottoms.

Forrest County 2 E Hattiesburg to 1.5 E Hattiesburg	29	1025CST 1026CST	0.5	50	0	0	2K	15K	Tornado (F1)
This brief tornado occurred in the eyewall of Katrina and touched down on the east side Hattiesburg. Across the brief path, dozens of large trees were uprooted and snapped.									
Newton County 5 N Chunky to 3 NNW Decatur	29	1100CST 1112CST	13	100	0	0	200K	200K	Tornado (F1)
This tornado was on the ground for 13 miles across Newton county and downed numerous trees and a few power lines along the path. As most of the damage was done to trees, a few homes within the path sustained minor roof damage due to shingles blown off roofs.									



National Weather Service

Storm Data and Unusual Weather Phenomena



August 2005

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

MISSISSIPPI, Central

Newton County

4 NNE Decatur to
3.5 NNE Decatur 29 1106CST
1107CST 1 75 0 0 50K 150K Tornado (F2)



Significant tree damage off Good Hope Road

This strong tornado briefly touched down off Good Hope Road just North-Northeast of Decatur. As the tornado crossed Good Hope Road, nearly all the trees within a 1/2 mile area were uprooted or damaged. These trees were laying in all directions and were very large with most trees 3 to 4 feet in diameter. Additionally, one home sustained shingle damage off Good Hope Road

Lauderdale County

8 NE Meridian 29 1114CST
1116CST 3 75 0 0 25K 70K Tornado (F1)

This tornado touched down just east of US Highway 45 and tracked west-northwest for 3 miles. As this weak tornado crossed Highway 45, numerous trees were snapped and uprooted. This similar tree damaged continued for another 2 miles before the tornado dissipated. In addition to the numerous trees, a few power lines were blown down west of Highway 45.

Lauderdale County

2.5 NE Shucktown to
2.5 N Shucktown 29 1122CST
1124CST 2 50 0 0 40K 80K Tornado (F1)

Kemper County

2.5 WSW Prismatic to
3 WSW Prismatic 29 1124CST
1125CST 1 50 0 0 15K 40K Tornado (F1)

This weak tornado touch down just northeast of Shucktown off State Highway 493 and tracked west-northwest for 3 miles into Southwest Kemper county. This tornado damaged several outbuildings and uprooted or snapped numerous trees along the path. The total path length across Lauderdale and Kemper counties was 3 miles.

Neshoba County

3 S House to
2 WSW House 29 1127CST
1130CST 3 100 0 0 70K 400K Tornado (F2)



National Weather Service

Storm Data and Unusual Weather Phenomena



August 2005

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

MISSISSIPPI, Central



Trees downed on a mobile home just south of House.

This strong tornado touched down just south of the House Community and tracked west-northwest for 3 miles. Several hundred trees were uprooted or snapped along the path with a few outbuildings and homes damaged by fallen trees. Additionally, numerous power lines were taken down as the tornado tracked across a few county roads as well as State Highway 492

Neshoba County

2 NE Mc Donald to
2 NW Mc Donald

29	1136CST 1139CST	3	75	0	0	50K	100K	Tornado (F1)
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This tornado touched down just north of the McDonald Community and moved northwest for 3 miles. Numerous trees and several power lines were blown down along the path.

Kemper County

4 W Damascus

29	1139CST 1141CST	1.5	50	0	0	30K	50K	Tornado (F1)
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Neshoba County

3 S De Weese

29	1141CST 1143CST	1.5	50	0	0	50K	50K	Tornado (F1)
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This tornado touched down off Old Jackson Road near the Kemper/Neshoba county line. The tornado tracked west-northwest and moved into Neshoba county south of DeWeese. The tornado was on the ground for 3 miles across both counties and caused damage to numerous trees and power lines.

Neshoba County

1 W De Weese to
4 WNW De Weese

29	1148CST 1152CST	4	150	0	0	100K	300K	Tornado (F1)
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National Weather Service

Storm Data and Unusual Weather Phenomena



August 2005

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

MISSISSIPPI, Central



Fallen tree through a mobile home

This tornado touched down off State Highway 491 and tracked west-northwest for 4 miles. Numerous trees and several power lines were blown down along the path. One mobile home was destroyed and another sustained considerable roof damage from fallen tree.

Neshoba County

**2 NW Philadelphia to
4 NW Philadelphia**

29	1205CST 1208CST	2	75	0	0	15K	50K	Tornado (F1)
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This tornado touched down just south of the airport and downed many trees as it crossed State Highway 15 two miles northwest of Philadelphia. The tornado continued to move northwest for 2 more miles before it dissipated.

Leake County

**4 N Edinburg to
4 NNW Edinburg**

29	1221CST 1223CST	2	75	0	0	15K	70K	Tornado (F1)
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Numerous trees were snapped or uprooted as this tornado briefly touched down north of Edinburg. This tornado touched down on Kerr Road and moved west across State Highway 427 in the Remus Community.