Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ILLINOIS, South				
ALEXANDER COUNTY 2.7 ESE CAIRO [36.9	9, -89.13], 1.8 SSE CAIRO [36.9	8, -89.17], 0.8 WS	W URBANDALE [37.05, -89.19], 0.2 N URBANDALE
[37.05, -89.18]				
	06/01/19 00:00 CST		50K	Flood (due to Heavy Rain)
	06/30/19 23:59 CST		50K	Source: River/Stream Gage

The Ohio River remained above flood stage since February 8 and through the month of June. This was the most prolonged flood on the Ohio River since records began at Cairo in the late 1800's. The highest recorded stage in the month of June (2019) was 51.54 feet, which corresponds to the moderate flood category. At this stage, the flooding has a significant impact on farming operations in the flood plain, causing some farmers to lose crops. However, farmers never were able to plant crops because this flood began in the winter. Riverside parks and recreational facilities remained underwater. Some side roads near the river were flooded. Due to the extended duration of the flooding, levees along the river were very stressed from saturation of the soil. Seepage was a concern, and relief wells caused water to rise on the land side of the levees. Moderate flooding continued into the month of July.

ALEXANDER COUNTY --- THEBES [37.22, -89.47], 0.8 SSW FAYVILLE [37.16, -89.44], 1.3 W MILLER CITY [37.12, -89.39], 0.8 NNE MILLER CITY [37.13, -89.36], 0.7 N THEBES JCT [37.21, -89.45], EAST CAPE GIRARDEAU [37.29, -89.48]

06/01/19 00:00 CST	2M	Flood (due to Heavy Rain)
06/30/19 23:59 CST	0.20M	Source: River/Stream Gage

Major flooding continued on the Mississippi River through the month of June. After rising above flood stage in mid March, the Mississippi River remained above flood stage through the spring and into early summer. At the Thebes river gage, the river crested at 43.66 feet on June 10. This is considered a major flood. Major flooding starts at 42 feet. The East Cape Girardeau area was particularly hard hit, with some residences flooded for weeks. The Route 146 bridge connecting Illinois and Missouri at Cape Girardeau was closed due to flooding on the Illinois side of Route 146. Illinois Route 3 was flooded and closed for an extended period of time from Thebes north to East Cape Girardeau. A break in the Len Small Levee that occurred during the record flood of 2016 was not adequately repaired. This prolonged major flood enlarged the break in the levee, causing large parts of the Miller City area to flood. Several evacuated families were unable to reach their homes due to the flooding and road washouts. In the Miller City area, large sections of roads were washed away. The county highway engineer estimated damage to roads was well over one million dollars. A sewage plant at Thebes was inundated with floodwater and shut down, causing the community to be without sewer services. The Thebes Landing area of town was flooded. There was widespread flooding of low-lying farmland and woods across the county. Since some crop planting was not possible due to prolonged spring flooding, direct crop losses were reduced. The extended duration of the flooding caused levees to become unstable, and seepage became a problem. The governor of Illinois issued a disaster proclamation for the affected counties along the river.

JACKSON COUNTY --- GRAND TOWER [37.63, -89.50], 0.4 WSW GRAND TOWER [37.63, -89.51], 2.7 SE NEUNERT [37.69, -89.52], 1.0 S GORHAM [37.71, -89.48]

06/01/19 00:00 CST	0.10M	Flood (due to Heavy Rain)
06/30/19 23:59 CST	50K	Source: River/Stream Gage

Major flooding of the Mississippi River continued through the month of June. The county was included in a disaster proclamation issued by the governor. There was extensive flooding of low-lying farmland and woods. Numerous county roads were inundated. Levees began to show signs of stress due to the extended duration of the flood, which began in March. Sinkholes and sand boils developed along the levee protecting Grand Tower, which prompted emergency repairs.

JACKSON COUNTY MT CARBON	[37.75, -89.33], 2.2 W MT CARBON [37.75, -89.37], 2.0 WNW MT CARBON	I [37.76, -89.36], 0.5 NW MT CARBON
[37.76, -89.34]			
	06/01/19 00:00 CST	50K	Flood (due to Heavy Rain)
	06/30/19 23:59 CST	50K	Source: River/Stream Gage

Lower portions of the Big Muddy River remained above flood stage from mid March through the month of June. The flooding was due almost entirely to backwater from the swollen Mississippi River, which experienced major flooding. The highest crest during June at the Murphysboro gage was 31.72 feet on the 11th. This crest falls into the moderate flood category. Low-lying woods and fields near the river were flooded, along with sections of a riverfront park. A few streets near the river were flooded. Near the confluence of the Big Muddy and Mississippi Rivers, a levee was compromised, prompting emergency repairs.

PULASKI COUNTY --- MOUND CITY [37.08, -89.17], 0.7 ESE MOUND CITY [37.08, -89.16], 2.5 SSE NEW GRAND CHAIN [37.22, -89.00], 0.9 SSE NEW GRAND CHAIN [37.24, -89.01], 0.7 WSW OLMSTED [37.18, -89.09] 06/01/19 00:00 CST 20K Flood (due to Heavy Rain)

06/01/19 00:00 CST	20K	Flood (due to Heavy Rain)
06/30/19 23:59 CST	10K	Source: River/Stream Gage

Moderate flooding of the Ohio River continued through the month of June. Much of the flooding was due to backwater from the swollen Mississippi River. Considerable flooding of low-lying woods, fields, and parks persisted. Typically, this scale of flooding has a large impact on farming operations. Due to the lack of planted crops during this long-term flood, there were little in the way of crop losses.

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
UNION COUNTY WARE [37.45, -89.4	•	•	REYNOLDSVILLE	[37.38, -89.42], 3.0 SSW WOLF LAKE
[37.46, -89.45], 2.4 SW LARUE [37.51, -	-89.48], 1.3 WNW WOLF LAKE [37.51 06/01/19 00:00 CST	, -89.45]	0.50M	Flood (due to Heavy Rain)
	06/30/19 23:59 CST		0.10M	Source: River/Stream Gage
fajor flooding of the Mississippi River c ooding of low-lying farmland and wood ne flood, which began in March. The Un f a levee breach.	ls. Numerous county roads were inun	dated. Levees bega	n to show signs of	•
WABASH COUNTY 1.4 E MT CARM	EL [38.42, -87.74], 2.1 SSE PATTON	[38.45, -87.74], 1.9	6 PATTON [38.45,	-87.75], 0.7 E MT CARMEL [38.42,
87.76]	06/01/19 00:00 CST		0	Flood (due to Heavy Rain)
	06/02/19 13:00 CST		0	Source: River/Stream Gage
/HITE COUNTY CARMI [38.08, -88.	17], 1.7 ESE BROWNSVILLE [38.02,	-88.22], 3.3 N HERA	LD [38.02, -88.18]	, 1.8 SSE CARMI MUNI ARPT [38.08,
88.14]	06/01/19 00:00 CST		0	Flood (due to Heavy Rain)
	06/05/19 18:00 CST		0	Source: River/Stream Gage
HITE COUNTY MAUNIE [38.03, -8(7.96], 3.8 ENE MAUNIE [38.05, -87.99		87.99], 3.8 E PHILL	PSTOWN [38.15, -	87.95], 4.6 SE PHILLIPSTOWN [38.10,
07.90], 3.0 ENE MACHIE [30.03, -07.93	06/01/19 00:00 CST		0	Flood (due to Heavy Rain)
			•	
		-	0 g continued throug	Source: River/Stream Gage
Several rivers remained above flood s Backwater from the Mississippi kept n The flooding on the Wabash and Little through the spring and into early sum as much as 3 to 5 inches more rainfall 7.53 inches. WAYNE COUNTY 8.0 NW JOHNSON	tage from May. On the Mississippi F noderate flooding going on the lowe e Wabash Rivers was minor. The reg imer. Most locations were 1 to 2 inch I than normal in June. At Evansville,	est reaches of the C ion remained stuck nes above normal f	0 g continued throug hio River as well a in a long-term we or the month of Ju	Source: River/Stream Gage gh the month of June. as the Big Muddy River. It pattern that continued ne. Some locations saw
Backwater from the Mississippi kept n The flooding on the Wabash and Little hrough the spring and into early sum s much as 3 to 5 inches more rainfall .53 inches.	tage from May. On the Mississippi F noderate flooding going on the lowe e Wabash Rivers was minor. The reg imer. Most locations were 1 to 2 inch I than normal in June. At Evansville, NVILLE [38.60, -88.63] 06/05/19 15:45 CST 06/05/19 15:45 CST	est reaches of the C ion remained stuck nes above normal f	0 g continued throug thio River as well a in a long-term we for the month of Ju 6th wettest June of 0	Source: River/Stream Gage gh the month of June. as the Big Muddy River. It pattern that continued ne. Some locations saw on record with a total of Thunderstorm Wind (EG 52 kt)
Backwater from the Mississippi kept n The flooding on the Wabash and Little hrough the spring and into early sum is much as 3 to 5 inches more rainfall 7.53 inches. WAYNE COUNTY 8.0 NW JOHNSON A trained spotter estimated a wind gust	Atage from May. On the Mississippi F noderate flooding going on the lowe Wabash Rivers was minor. The reg imer. Most locations were 1 to 2 inch I than normal in June. At Evansville, NVILLE [38.60, -88.63] 06/05/19 15:45 CST 06/05/19 15:45 CST to 60 mph. 3.55, -88.47]	est reaches of the C ion remained stuck nes above normal f	0 g continued through thio River as well a is in a long-term we for the month of Ju 6th wettest June of 0 0	Source: River/Stream Gage gh the month of June. as the Big Muddy River. It pattern that continued ne. Some locations saw on record with a total of Thunderstorm Wind (EG 52 kt) Source: Trained Spotter
ackwater from the Mississippi kept n he flooding on the Wabash and Little rrough the spring and into early sum s much as 3 to 5 inches more rainfall .53 inches. //AYNE COUNTY 8.0 NW JOHNSON trained spotter estimated a wind gust	Atage from May. On the Mississippi F moderate flooding going on the lowe Wabash Rivers was minor. The reg imer. Most locations were 1 to 2 inch I than normal in June. At Evansville, NVILLE [38.60, -88.63] 06/05/19 15:45 CST 06/05/19 15:45 CST to 60 mph. 3.55, -88.47] 06/05/19 16:10 CST	est reaches of the C ion remained stuck nes above normal f	0 g continued through thio River as well at in a long-term we or the month of Ju 6th wettest June of 0 0	Source: River/Stream Gage gh the month of June. as the Big Muddy River. It pattern that continued ne. Some locations saw on record with a total of Thunderstorm Wind (EG 52 kt) Source: Trained Spotter Hail (0.88 in)
ackwater from the Mississippi kept n he flooding on the Wabash and Little nrough the spring and into early sum s much as 3 to 5 inches more rainfall .53 inches. //AYNE COUNTY 8.0 NW JOHNSON	Atage from May. On the Mississippi F noderate flooding going on the lowe Wabash Rivers was minor. The reg imer. Most locations were 1 to 2 inch I than normal in June. At Evansville, NVILLE [38.60, -88.63] 06/05/19 15:45 CST 06/05/19 15:45 CST to 60 mph. 3.55, -88.47]	est reaches of the C ion remained stuck nes above normal f	0 g continued through thio River as well a is in a long-term we for the month of Ju 6th wettest June of 0 0	Source: River/Stream Gage gh the month of June. as the Big Muddy River. It pattern that continued ne. Some locations saw on record with a total of Thunderstorm Wind (EG 52 kt) Source: Trained Spotter
Backwater from the Mississippi kept n The flooding on the Wabash and Little hrough the spring and into early sum s much as 3 to 5 inches more rainfall .53 inches. VAYNE COUNTY 8.0 NW JOHNSON A trained spotter estimated a wind gust VAYNE COUNTY 3.0 NW CISNE [38	stage from May. On the Mississippi F noderate flooding going on the lowe e Wabash Rivers was minor. The reg imer. Most locations were 1 to 2 inch I than normal in June. At Evansville, NVILLE [38.60, -88.63] 06/05/19 15:45 CST 06/05/19 15:45 CST to 60 mph. 3.55, -88.47] 06/05/19 16:10 CST 06/05/19 16:10 CST 3ATE [38.35, -88.17]	est reaches of the C ion remained stuck nes above normal f	0 g continued throug thio River as well a is in a long-term we for the month of Ju 6th wettest June of 0 0 0 0	Source: River/Stream Gage gh the month of June. as the Big Muddy River. It pattern that continued ne. Some locations saw on record with a total of Thunderstorm Wind (EG 52 kt) Source: Trained Spotter Hail (0.88 in) Source: Emergency Manager
Ackwater from the Mississippi kept n he flooding on the Wabash and Little mough the spring and into early sum s much as 3 to 5 inches more rainfall .53 inches. VAYNE COUNTY 8.0 NW JOHNSON . trained spotter estimated a wind gust VAYNE COUNTY 3.0 NW CISNE [38	Atage from May. On the Mississippi F noderate flooding going on the lowe e Wabash Rivers was minor. The reg imer. Most locations were 1 to 2 inch I than normal in June. At Evansville, NVILLE [38.60, -88.63] 06/05/19 15:45 CST 06/05/19 15:45 CST to 60 mph. 3.55, -88.47] 06/05/19 16:10 CST 06/05/19 16:10 CST 3ATE [38.35, -88.17] 06/05/19 17:03 CST	est reaches of the C ion remained stuck nes above normal f	0 g continued through thio River as well a is in a long-term we for the month of Ju 6th wettest June of 0 0 0 0 25K	Source: River/Stream Gage gh the month of June. as the Big Muddy River. It pattern that continued ne. Some locations saw on record with a total of Thunderstorm Wind (EG 52 kt) Source: Trained Spotter Hail (0.88 in) Source: Emergency Manager Thunderstorm Wind (EG 74 kt)
ackwater from the Mississippi kept n he flooding on the Wabash and Little irough the spring and into early sum a much as 3 to 5 inches more rainfall 53 inches. //AYNE COUNTY 8.0 NW JOHNSON trained spotter estimated a wind gust //AYNE COUNTY 3.0 NW CISNE [38	stage from May. On the Mississippi F noderate flooding going on the lowe e Wabash Rivers was minor. The reg imer. Most locations were 1 to 2 inch I than normal in June. At Evansville, NVILLE [38.60, -88.63] 06/05/19 15:45 CST 06/05/19 15:45 CST to 60 mph. 3.55, -88.47] 06/05/19 16:10 CST 06/05/19 16:10 CST 3ATE [38.35, -88.17]	est reaches of the C ion remained stuck nes above normal f	0 g continued throug thio River as well a is in a long-term we for the month of Ju 6th wettest June of 0 0 0 0	Source: River/Stream Gage gh the month of June. as the Big Muddy River. It pattern that continued ne. Some locations saw on record with a total of Thunderstorm Wind (EG 52 kt) Source: Trained Spotter Hail (0.88 in) Source: Emergency Manager
Backwater from the Mississippi kept n The flooding on the Wabash and Little through the spring and into early sum as much as 3 to 5 inches more rainfall 7.53 inches.	Atage from May. On the Mississippi F moderate flooding going on the lowe wabash Rivers was minor. The reg imer. Most locations were 1 to 2 inch I than normal in June. At Evansville, NVILLE [38.60, -88.63] 06/05/19 15:45 CST 06/05/19 15:45 CST to 60 mph. 3.55, -88.47] 06/05/19 16:10 CST 06/05/19 16:10 CST 3ATE [38.35, -88.17] 06/05/19 17:03 CST 06/05/19 17:05 CST ast southeast of the community of Gold door plastic playhouse. The path lengt	est reaches of the C ion remained stuck nes above normal fo Indiana, it was the	0 g continued throughing a second sec	Source: River/Stream Gage gh the month of June. as the Big Muddy River. It pattern that continued ne. Some locations saw on record with a total of Thunderstorm Wind (EG 52 kt) Source: Trained Spotter Hail (0.88 in) Source: Emergency Manager Thunderstorm Wind (EG 74 kt) Source: NWS Storm Survey ional damage in that same vicinity
Backwater from the Mississippi kept n The flooding on the Wabash and Little hrough the spring and into early sum is much as 3 to 5 inches more rainfall 7.53 inches. NAYNE COUNTY 8.0 NW JOHNSON A trained spotter estimated a wind gust NAYNE COUNTY 3.0 NW CISNE [38 NAYNE COUNTY 3.0 NW CISNE [38 NAYNE COUNTY 2.0 SE GOLDEN C Approximately 30 trees were downed ju ncluded part of a shed roof and an outc Peak winds were estimated near 85 mp	Atage from May. On the Mississippi F moderate flooding going on the lowe a Wabash Rivers was minor. The reg imer. Most locations were 1 to 2 inch I than normal in June. At Evansville, NVILLE [38.60, -88.63] 06/05/19 15:45 CST 06/05/19 15:45 CST to 60 mph. 3.55, -88.47] 06/05/19 16:10 CST 06/05/19 16:10 CST 3ATE [38.35, -88.17] 06/05/19 17:03 CST 06/05/19 17:05 CST ast southeast of the community of Gold door plastic playhouse. The path length b based on drone footage of the dam 17, -88.07], 3.5 SW GRAYVILLE [38.2	est reaches of the C ion remained stuck nes above normal fo Indiana, it was the den Gate on County h of the microburst age.	0 g continued through thio River as well a is in a long-term we for the month of Ju 6th wettest June of 0 0 0 0 0 25K 0 Road 650N. Additi was one-third of a t	Source: River/Stream Gage gh the month of June. as the Big Muddy River. it pattern that continued ne. Some locations saw on record with a total of Thunderstorm Wind (EG 52 kt) Source: Trained Spotter Hail (0.88 in) Source: Emergency Manager Thunderstorm Wind (EG 74 kt) Source: NWS Storm Survey ional damage in that same vicinity mile, and the width was 400 yards.
Backwater from the Mississippi kept n The flooding on the Wabash and Little through the spring and into early sum as much as 3 to 5 inches more rainfall 7.53 inches. NAYNE COUNTY 8.0 NW JOHNSON A trained spotter estimated a wind gust NAYNE COUNTY 3.0 NW CISNE [38 NAYNE COUNTY 2.0 SE GOLDEN C Approximately 30 trees were downed ju ncluded part of a shed roof and an outc	Atage from May. On the Mississippi F moderate flooding going on the lowe wabash Rivers was minor. The reg imer. Most locations were 1 to 2 inch I than normal in June. At Evansville, NVILLE [38.60, -88.63] 06/05/19 15:45 CST 06/05/19 15:45 CST to 60 mph. 3.55, -88.47] 06/05/19 16:10 CST 06/05/19 16:10 CST 3ATE [38.35, -88.17] 06/05/19 17:03 CST 06/05/19 17:05 CST ust southeast of the community of Gold door plastic playhouse. The path lengt th based on drone footage of the dam	est reaches of the C ion remained stuck nes above normal fo Indiana, it was the den Gate on County h of the microburst age.	0 g continued throughing a second sec	Source: River/Stream Gage gh the month of June. as the Big Muddy River. It pattern that continued ne. Some locations saw on record with a total of Thunderstorm Wind (EG 52 kt) Source: Trained Spotter Hail (0.88 in) Source: Emergency Manager Thunderstorm Wind (EG 74 kt) Source: NWS Storm Survey ional damage in that same vicinity

A tractor-trailer rig was blown over west-southwest of Grayville on Interstate 64. In the same vicinity, a large electric transmission line and double power poles were blown down onto a roadway. Multiple large trees were blown down along Highway 1 between Crossville and Grayville. Numerous power lines were down in and around Crossville.

Numerous clusters of thunderstorms developed in southern Illinois along an outflow boundary from earlier storms, and ahead of a cold front over central Illinois. Strong solar heating contributed to a very unstable atmosphere, with mixed-layer capes from 3000 to 3500. Weak wind shear limited storm organization, but strong buoyancy supported intense storms capable of damaging winds.

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
JACKSON COUNTY DE SOTO [37.82, -89.	.23]			
• *	06/16/19 15:10 CST		1K	Thunderstorm Wind (EG 52 kt)
	06/16/19 15:10 CST		0	Source: Trained Spotter
large tree was snapped. A few miles away,	the peak wind gust at the Carbor	ndale airport was 5	5 mph.	
INION COUNTY COBDEN [37.53, -89.25]				
•••••••••••••••••••••••••••••••••••••••	06/16/19 15:16 CST		8K	Thunderstorm Wind (EG 52 kt)
	06/16/19 15:16 CST		0	Source: Law Enforcement
rees were blown down on power lines.				
EFFERSON COUNTY 3.0 WSW WALTON	NVILLE [38.20, -89.10]			
	06/16/19 15:58 CST		0	Hail (1.00 in)
	06/16/19 15:58 CST		0	Source: Trained Spotter
WAYNE COUNTY 1.5 NNE WAYNE CITY [38.37, -88.57], 1.5 SSE FAIRFIEL	D MUNI ARPT [3	3.36, -88.41], 1.9 N	FAIRFIELD MUNI ARPT [38.41, -88.41],
2.3 W COVINGTON [38.41, -88.52]			_	
	06/16/19 16:19 CST		0	Flash Flood (due to Heavy Rain)
	06/16/19 19:00 CST		0	Source: Trained Spotter
Water was flowing over Illinois Highway 15 in	multiple places near Wayne City.	. A mesonet site at	Fairfield measured	d 3.45 inches of rain in 24 hours.
_	.77, -89.33], 2.4 SSW MT CARBC	ON [37.72, -89.35],	2.6 SW BARR [37.	72, -89.30], 1.3 E MT CARBON [37.75,
_	_	DN [37.72, -89.35],	_	
_	06/16/19 16:29 CST	DN [37.72, -89.35],	0 0	Flash Flood (due to Heavy Rain)
89.31]	06/16/19 16:29 CST 06/16/19 19:00 CST	DN [37.72, -89.35],	0	
-89.31]	06/16/19 16:29 CST 06/16/19 19:00 CST)N [37.72, -89.35],	0	Flash Flood (due to Heavy Rain)
-89.31] A couple of secondary roads south of Murphy UNION COUNTY COBDEN [37.53, -89.25],	06/16/19 16:29 CST 06/16/19 19:00 CST /sboro were covered with water.		0 0	Flash Flood (due to Heavy Rain) Source: Public
-89.31] A couple of secondary roads south of Murphy UNION COUNTY COBDEN [37.53, -89.25],	06/16/19 16:29 CST 06/16/19 19:00 CST sboro were covered with water. 2.8 NNE WARE [37.49, -89.37], 7	1.5 WNW WARE [0 0 37.46, -89.42], 1.1 S	Flash Flood (due to Heavy Rain) Source: Public
89.31] A couple of secondary roads south of Murphy JNION COUNTY COBDEN [37.53, -89.25],	06/16/19 16:29 CST 06/16/19 19:00 CST rsboro were covered with water. . 2.8 NNE WARE [37.49, -89.37], 06/16/19 17:00 CST		0 0 37.46, -89.42], 1.1 S 30K	Flash Flood (due to Heavy Rain) Source: Public SSE WARE [37.43, -89.39], 4.0 S Flash Flood (due to Heavy Rain)
-89.31] A couple of secondary roads south of Murphy UNION COUNTY COBDEN [37.53, -89.25],	06/16/19 16:29 CST 06/16/19 19:00 CST sboro were covered with water. 2.8 NNE WARE [37.49, -89.37], 7	1.5 WNW WARE [0 0 37.46, -89.42], 1.1 S	Flash Flood (due to Heavy Rain) Source: Public
-89.31] A couple of secondary roads south of Murphy UNION COUNTY COBDEN [37.53, -89.25], COBDEN [37.47, -89.25] Severe flash flooding impacted Union County	06/16/19 16:29 CST 06/16/19 19:00 CST rsboro were covered with water. 2.8 NNE WARE [37.49, -89.37], 06/16/19 17:00 CST 06/16/19 19:00 CST . There were two water rescues in	1.5 WNW WARE [1 1 the county. One	0 0 37.46, -89.42], 1.1 S 30K 0 car stalled in high v	Flash Flood (due to Heavy Rain) Source: Public SSE WARE [37.43, -89.39], 4.0 S Flash Flood (due to Heavy Rain) Source: Emergency Manager vater on Mount Glen Road near
-89.31] A couple of secondary roads south of Murphy UNION COUNTY COBDEN [37.53, -89.25], COBDEN [37.47, -89.25] Severe flash flooding impacted Union County Cobden. First responders were able to rescue	06/16/19 16:29 CST 06/16/19 19:00 CST rsboro were covered with water. . 2.8 NNE WARE [37.49, -89.37], 06/16/19 17:00 CST 06/16/19 19:00 CST . There were two water rescues in a the driver, a young female. The	1.5 WNW WARE [1 n the county. One second water resc	0 0 37.46, -89.42], 1.1 \$ 30K 0 car stalled in high v ue involved a vehic	Flash Flood (due to Heavy Rain) Source: Public SSE WARE [37.43, -89.39], 4.0 S Flash Flood (due to Heavy Rain) Source: Emergency Manager vater on Mount Glen Road near cle in the Trail of Tears State Forest
-89.31] A couple of secondary roads south of Murphy UNION COUNTY COBDEN [37.53, -89.25], COBDEN [37.47, -89.25] Severe flash flooding impacted Union County Cobden. First responders were able to rescue near Ware. The vehicle was swept off State F	06/16/19 16:29 CST 06/16/19 19:00 CST rsboro were covered with water. 2.8 NNE WARE [37.49, -89.37] , 06/16/19 17:00 CST 06/16/19 19:00 CST . There were two water rescues in a the driver, a young female. The corest Road where it crosses Clear	1.5 WNW WARE [1 n the county. One second water resc ar Creek. Two peo	0 0 37.46, -89.42], 1.1 \$ 30K 0 car stalled in high v ue involved a vehic ole were in the veh	Flash Flood (due to Heavy Rain) Source: Public SSE WARE [37.43, -89.39], 4.0 S Flash Flood (due to Heavy Rain) Source: Emergency Manager vater on Mount Glen Road near cle in the Trail of Tears State Forest icle at the time it was swept off the
-89.31] A couple of secondary roads south of Murphy UNION COUNTY COBDEN [37.53, -89.25], COBDEN [37.47, -89.25] Severe flash flooding impacted Union County Cobden. First responders were able to rescue near Ware. The vehicle was swept off State F road. The male involved was able to escape.	06/16/19 16:29 CST 06/16/19 19:00 CST rsboro were covered with water. 2.8 NNE WARE [37.49, -89.37] , 06/16/19 17:00 CST 06/16/19 19:00 CST There were two water rescues in the driver, a young female. The forest Road where it crosses Clea The body of the other person in the	1.5 WNW WARE [1 n the county. One second water reso ar Creek. Two peo he vehicle, a fema	0 0 37.46, -89.42], 1.1 \$ 30K 0 car stalled in high v ue involved a vehic ble were in the veh e in her late 50's, v	Flash Flood (due to Heavy Rain) Source: Public SSE WARE [37.43, -89.39], 4.0 S Flash Flood (due to Heavy Rain) Source: Emergency Manager vater on Mount Glen Road near cle in the Trail of Tears State Forest icle at the time it was swept off the was found deceased the following
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-89.31] A couple of secondary roads south of Murphy UNION COUNTY COBDEN [37.53, -89.25], COBDEN [37.47, -89.25] Severe flash flooding impacted Union County Cobden. First responders were able to rescue near Ware. The vehicle was swept off State F road. The male involved was able to escape. morning less than a mile downstream from the trained spotter reported 4.0 inches of rainfall i	06/16/19 16:29 CST 06/16/19 19:00 CST rsboro were covered with water. 2.8 NNE WARE [37.49, -89.37] , 06/16/19 17:00 CST 06/16/19 19:00 CST There were two water rescues in the the driver, a young female. The forest Road where it crosses Clear The body of the other person in the e vehicle. Elsewhere in the area,	1.5 WNW WARE [1 1 second water reso ar Creek. Two peo he vehicle, a fema one lane of Highw	0 0 87.46, -89.42], 1.1 S 30K 0 car stalled in high v ue involved a vehic ble were in the veh le in her late 50's, v ay 146 near the int	Flash Flood (due to Heavy Rain) Source: Public SSE WARE [37.43, -89.39], 4.0 S Flash Flood (due to Heavy Rain) Source: Emergency Manager vater on Mount Glen Road near cle in the Trail of Tears State Forest icle at the time it was swept off the vas found deceased the following ersection of Highway 3 was flooded. A
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A couple of secondary roads south of Murphy UNION COUNTY COBDEN [37.53, -89.25], COBDEN [37.47, -89.25] Severe flash flooding impacted Union County Cobden. First responders were able to rescue near Ware. The vehicle was swept off State F road. The male involved was able to escape. morning less than a mile downstream from the trained spotter reported 4.0 inches of rainfall i Direct Fatalities: F59VE JEFFERSON COUNTY BLUFORD [38.33, NE (MVN)MT VERNON ARPT [38.34, -88.84] Numerous roads were flooded around Bluford	06/16/19 16:29 CST 06/16/19 19:00 CST asboro were covered with water. 2.8 NNE WARE [37.49, -89.37], 06/16/19 17:00 CST 06/16/19 19:00 CST . There were two water rescues in the the driver, a young female. The forest Road where it crosses Clear The body of the other person in the e vehicle. Elsewhere in the area, in 24 hours three miles east of Water -88.75], 1.6 NNW BELLE RIVE [3 06/16/19 17:30 CST 06/16/19 19:00 CST d, including Highway 15. Several water	1.5 WNW WARE [1 1 n the county. One second water reso ar Creek. Two peo he vehicle, a fema one lane of Highw are. The public rep 8.25, -88.74], BON wrecks were repor	0 0 87.46, -89.42], 1.1 S 30K 0 car stalled in high v ue involved a vehic ole were in the vehic ole were in th	Flash Flood (due to Heavy Rain) Source: Public SSE WARE [37.43, -89.39], 4.0 S Flash Flood (due to Heavy Rain) Source: Emergency Manager water on Mount Glen Road near cle in the Trail of Tears State Forest icle at the time it was swept off the was found deceased the following ersection of Highway 3 was flooded. A irain in 24 hours at Cobden. J. 2.5 NNE MARCOE [38.30, -88.96], 2.2 Flash Flood (due to Heavy Rain) Source: Law Enforcement
JACKSON COUNTY MURPHYSBORO [37 -89.31] A couple of secondary roads south of Murphy UNION COUNTY COBDEN [37.53, -89.25], COBDEN [37.47, -89.25] Severe flash flooding impacted Union County Cobden. First responders were able to rescue near Ware. The vehicle was swept off State F road. The male involved was able to escape. morning less than a mile downstream from the trained spotter reported 4.0 inches of rainfall i Direct Fatalities: F59VE JEFFERSON COUNTY BLUFORD [38.33, NE (MVN)MT VERNON ARPT [38.34, -88.84] Numerous roads were flooded around Bluford MASSAC COUNTY 3.0 NW JOPPA [37.23,	06/16/19 16:29 CST 06/16/19 19:00 CST asboro were covered with water. 2.8 NNE WARE [37.49, -89.37], 06/16/19 17:00 CST 06/16/19 19:00 CST . There were two water rescues in the the driver, a young female. The forest Road where it crosses Clear The body of the other person in the e vehicle. Elsewhere in the area, in 24 hours three miles east of Water -88.75], 1.6 NNW BELLE RIVE [3 06/16/19 17:30 CST 06/16/19 19:00 CST d, including Highway 15. Several water	1.5 WNW WARE [1 1 n the county. One second water reso ar Creek. Two peo he vehicle, a fema one lane of Highw are. The public rep 8.25, -88.74], BON wrecks were repor	0 0 87.46, -89.42], 1.1 S 30K 0 car stalled in high v ue involved a vehic ole were in the vehic ole were in th	Flash Flood (due to Heavy Rain) Source: Public SSE WARE [37.43, -89.39], 4.0 S Flash Flood (due to Heavy Rain) Source: Emergency Manager water on Mount Glen Road near cle in the Trail of Tears State Forest icle at the time it was swept off the was found deceased the following ersection of Highway 3 was flooded. A irain in 24 hours at Cobden. J. 2.5 NNE MARCOE [38.30, -88.96], 2.2 Flash Flood (due to Heavy Rain) Source: Law Enforcement
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Missouri to southwest Indiana. The main impact associated with these storms was flash flooding. Several locations picked up torrential rainfall amounts over a short time period. Over four inches of rain occurred in Union County, prompting water rescues from vehicles. Damaging winds up to around 60 mph occurred with a few of the storms as well. The environment was characterized by moderate to strong instability and moderate wind shear. Effective bulk wind shear values of 25 to 40 knots were observed. The storms developed

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
east of a weak low pressure center ove	r Missouri.			
PULASKI COUNTY 1.0 S VILLA RIDG				
	06/19/19 13:05 CST		5K	Thunderstorm Wind (EG 56 kt)
	06/19/19 13:05 CST		0	Source: Law Enforcement
Trees were blown down, and power outa	ges were reported.			
MASSAC COUNTY ROUND KNOB [3	7.25, -88.75]			
	06/19/19 14:00 CST		6K	Thunderstorm Wind (EG 56 kt)
	06/19/19 14:00 CST		0	Source: Trained Spotter
Frees were blown down in the Round Kn	ob area. Winds gusted to over 60 mph	1.		
Numerous clusters of thunderstorms d The storms occurred south of a surface Thunderstorm development was enhan low amplitude mid-level trough. Daytin	e low pressure center that tracked ea need by large-scale ascent pivoting fr	ist along the Inter rom the Ozark Pla	state 70 corridor fi teau into the lowe	rom Missouri to Indiana. r Ohio Valley, ahead of a
WABASH COUNTY 1.8 SE COWLING [38.39, -87.76], 1.8 SSW MT CARMEL [3		38.30, -87.88], 0.5	SE ROCHESTER [38.34, -87.82], 1.9 SSE MT CARMEL
	06/20/19 05:00 CST		30K	Flood (due to Heavy Rain)
	06/30/19 23:59 CST		10K	Source: River/Stream Gage
equipment were moved to higher ground was very similar to the flood in February.		d, and the city of r	lount Carmei nad i	to install flood gates. This flood impact
	.05], 3.0 SE EMMA [37.94, -88.06], 3.8	S RISING SUN [3	7.95, -88.03], 1.3 S	SE RISING SUN [37.98, -88.02], 1.5 E
		S RISING SUN [3		
=	.05], 3.0 SE EMMA [37.94, -88.06], 3.8 06/20/19 05:00 CST 06/30/19 23:59 CST	S RISING SUN [3 10	7.95, -88.03], 1.3 S 30K 0	SE RISING SUN [37.98, -88.02], 1.5 E Flood (due to Heavy Rain) Source: River/Stream Gage
MAUNIE [38.03, -88.02] GALLATIN COUNTY SHAWNEETOW	06/20/19 05:00 CST 06/30/19 23:59 CST	10	30K 0	Flood (due to Heavy Rain) Source: River/Stream Gage
MAUNIE [38.03, -88.02] GALLATIN COUNTY SHAWNEETOW SHAWNEETOWN [37.70, -88.13] WHITE COUNTY 1.5 SSE CARMI MUI	06/20/19 05:00 CST 06/30/19 23:59 CST IN [37.70, -88.13], 2.4 SW SHAWNEET 06/20/19 22:00 CST 06/30/19 23:59 CST NI ARPT [38.08, -88.14], 2.8 SSE CAR	10 ⁻ OWN [37.68, -88.	30K 0 16], 2.0 SSW SHAV 0 0	Flood (due to Heavy Rain) Source: River/Stream Gage VNEETOWN [37.67, -88.14], 0.3 SE Flood (due to Heavy Rain) Source: River/Stream Gage
MAUNIE [38.03, -88.02] GALLATIN COUNTY SHAWNEETOW SHAWNEETOWN [37.70, -88.13] WHITE COUNTY 1.5 SSE CARMI MUI	06/20/19 05:00 CST 06/30/19 23:59 CST IN [37.70, -88.13], 2.4 SW SHAWNEET 06/20/19 22:00 CST 06/30/19 23:59 CST NI ARPT [38.08, -88.14], 2.8 SSE CAR MI [38.08, -88.16]	10 ⁻ OWN [37.68, -88.	30K 0 16], 2.0 SSW SHAV 0 0 2.7 E BROWNSVI	Flood (due to Heavy Rain) Source: River/Stream Gage VNEETOWN [37.67, -88.14], 0.3 SE Flood (due to Heavy Rain) Source: River/Stream Gage
MAUNIE [38.03, -88.02] GALLATIN COUNTY SHAWNEETOW SHAWNEETOWN [37.70, -88.13] WHITE COUNTY 1.5 SSE CARMI MUI	06/20/19 05:00 CST 06/30/19 23:59 CST IN [37.70, -88.13], 2.4 SW SHAWNEET 06/20/19 22:00 CST 06/30/19 23:59 CST NI ARPT [38.08, -88.14], 2.8 SSE CAR	10 ⁻ OWN [37.68, -88.	30K 0 16], 2.0 SSW SHAV 0 0	Flood (due to Heavy Rain) Source: River/Stream Gage VNEETOWN [37.67, -88.14], 0.3 SE Flood (due to Heavy Rain) Source: River/Stream Gage
MAUNIE [38.03, -88.02] GALLATIN COUNTY SHAWNEETOW SHAWNEETOWN [37.70, -88.13] WHITE COUNTY 1.5 SSE CARMI MUI TRUMBULL [38.06, -88.20], 0.4 SE CAR MASSAC COUNTY METROPOLIS [37	06/20/19 05:00 CST 06/30/19 23:59 CST IN [37.70, -88.13], 2.4 SW SHAWNEET 06/20/19 22:00 CST 06/30/19 23:59 CST INI ARPT [38.08, -88.14], 2.8 SSE CAR MI [38.08, -88.16] 06/23/19 10:00 CST 06/30/19 23:59 CST	10 "OWN [37.68, -88. "MI [38.04, -88.15]	30K 0 16], 2.0 SSW SHAV 0 0 2.7 E BROWNSVI 0 0	Flood (due to Heavy Rain) Source: River/Stream Gage VNEETOWN [37.67, -88.14], 0.3 SE Flood (due to Heavy Rain) Source: River/Stream Gage LLE [38.03, -88.20], 2.0 SE Flood (due to Heavy Rain) Source: River/Stream Gage
MAUNIE [38.03, -88.02] GALLATIN COUNTY SHAWNEETOW SHAWNEETOWN [37.70, -88.13] WHITE COUNTY 1.5 SSE CARMI MUI TRUMBULL [38.06, -88.20], 0.4 SE CAR MASSAC COUNTY METROPOLIS [37	06/20/19 05:00 CST 06/30/19 23:59 CST IN [37.70, -88.13], 2.4 SW SHAWNEET 06/20/19 22:00 CST 06/30/19 23:59 CST INI ARPT [38.08, -88.14], 2.8 SSE CAR MI [38.08, -88.16] 06/23/19 10:00 CST 06/30/19 23:59 CST	10 "OWN [37.68, -88. "MI [38.04, -88.15]	30K 0 16], 2.0 SSW SHAV 0 0 2.7 E BROWNSVI 0 0	Flood (due to Heavy Rain) Source: River/Stream Gage VNEETOWN [37.67, -88.14], 0.3 SE Flood (due to Heavy Rain) Source: River/Stream Gage LLE [38.03, -88.20], 2.0 SE Flood (due to Heavy Rain) Source: River/Stream Gage
MAUNIE [38.03, -88.02] GALLATIN COUNTY SHAWNEETOW SHAWNEETOWN [37.70, -88.13] WHITE COUNTY 1.5 SSE CARMI MUI IRUMBULL [38.06, -88.20], 0.4 SE CAR MASSAC COUNTY METROPOLIS [37	06/20/19 05:00 CST 06/30/19 23:59 CST IN [37.70, -88.13], 2.4 SW SHAWNEET 06/20/19 22:00 CST 06/30/19 23:59 CST INI ARPT [38.08, -88.14], 2.8 SSE CAR MI [38.08, -88.16] 06/23/19 10:00 CST 06/30/19 23:59 CST 7.15, -88.73], 0.7 S METROPOLIS [37.7	10 "OWN [37.68, -88. "MI [38.04, -88.15]	30K 0 16], 2.0 SSW SHAV 0 0 2.7 E BROWNSVI 0 0 SW BROOKPORT [Flood (due to Heavy Rain) Source: River/Stream Gage VNEETOWN [37.67, -88.14], 0.3 SE Flood (due to Heavy Rain) Source: River/Stream Gage LLLE [38.03, -88.20], 2.0 SE Flood (due to Heavy Rain) Source: River/Stream Gage
MAUNIE [38.03, -88.02] GALLATIN COUNTY SHAWNEETOW SHAWNEETOWN [37.70, -88.13] WHITE COUNTY 1.5 SSE CARMI MUI TRUMBULL [38.06, -88.20], 0.4 SE CARI MASSAC COUNTY METROPOLIS [37 [37.13, -88.64]	06/20/19 05:00 CST 06/30/19 23:59 CST (N [37.70, -88.13], 2.4 SW SHAWNEET 06/20/19 22:00 CST 06/30/19 23:59 CST (NI ARPT [38.08, -88.14], 2.8 SSE CAR MI [38.08, -88.16] 06/23/19 10:00 CST 06/30/19 23:59 CST (7.15, -88.73], 0.7 S METROPOLIS [37.7 06/24/19 03:00 CST 06/30/19 23:59 CST	10 "OWN [37.68, -88. MI [38.04, -88.15] 14, -88.73], 0.4 WS	30K 0 16], 2.0 SSW SHAV 0 0 2.7 E BROWNSVI 0 0 0 5W BROOKPORT [0 0	Flood (due to Heavy Rain) Source: River/Stream Gage VNEETOWN [37.67, -88.14], 0.3 SE Flood (due to Heavy Rain) Source: River/Stream Gage LLE [38.03, -88.20], 2.0 SE Flood (due to Heavy Rain) Source: River/Stream Gage 37.12, -88.64], 1.0 NW BROOKPORT Flood (due to Heavy Rain) Source: River/Stream Gage
MAUNIE [38.03, -88.02] GALLATIN COUNTY SHAWNEETOW SHAWNEETOWN [37.70, -88.13] WHITE COUNTY 1.5 SSE CARMI MUI TRUMBULL [38.06, -88.20], 0.4 SE CARI MASSAC COUNTY METROPOLIS [37 [37.13, -88.64]	06/20/19 05:00 CST 06/30/19 23:59 CST (N [37.70, -88.13], 2.4 SW SHAWNEET 06/20/19 22:00 CST 06/30/19 23:59 CST (NI ARPT [38.08, -88.14], 2.8 SSE CAR MI [38.08, -88.16] 06/23/19 10:00 CST 06/30/19 23:59 CST (7.15, -88.73], 0.7 S METROPOLIS [37.7 06/24/19 03:00 CST 06/30/19 23:59 CST	10 "OWN [37.68, -88. MI [38.04, -88.15] 14, -88.73], 0.4 WS	30K 0 16], 2.0 SSW SHAV 0 0 2.7 E BROWNSVI 0 0 0 5W BROOKPORT [0 0	Flood (due to Heavy Rain) Source: River/Stream Gage VNEETOWN [37.67, -88.14], 0.3 SE Flood (due to Heavy Rain) Source: River/Stream Gage LLE [38.03, -88.20], 2.0 SE Flood (due to Heavy Rain) Source: River/Stream Gage 37.12, -88.64], 1.0 NW BROOKPORT Flood (due to Heavy Rain) Source: River/Stream Gage
MAUNIE [38.03, -88.02] GALLATIN COUNTY SHAWNEETOW SHAWNEETOWN [37.70, -88.13] WHITE COUNTY 1.5 SSE CARMI MUI IRUMBULL [38.06, -88.20], 0.4 SE CAR MASSAC COUNTY METROPOLIS [37 [37.13, -88.64]	06/20/19 05:00 CST 06/30/19 23:59 CST IN [37.70, -88.13], 2.4 SW SHAWNEET 06/20/19 22:00 CST 06/30/19 23:59 CST INI ARPT [38.08, -88.14], 2.8 SSE CAR MI [38.08, -88.16] 06/23/19 10:00 CST 06/30/19 23:59 CST 7.15, -88.73], 0.7 S METROPOLIS [37.7 06/24/19 03:00 CST 06/30/19 23:59 CST	10 "OWN [37.68, -88. MI [38.04, -88.15] 14, -88.73], 0.4 WS	30К 0 16], 2.0 SSW SHAV 0 0 2.7 E BROWNSVI 0 0 5W BROOKPORT [0 0 1 7TY [37.28, -88.51],	Flood (due to Heavy Rain) Source: River/Stream Gage VNEETOWN [37.67, -88.14], 0.3 SE Flood (due to Heavy Rain) Source: River/Stream Gage LLE [38.03, -88.20], 2.0 SE Flood (due to Heavy Rain) Source: River/Stream Gage 37.12, -88.64], 1.0 NW BROOKPORT Flood (due to Heavy Rain) Source: River/Stream Gage 0.6 S GOLCONDA [37.36, -88.48]
MAUNIE [38.03, -88.02] GALLATIN COUNTY SHAWNEETOW SHAWNEETOWN [37.70, -88.13] WHITE COUNTY 1.5 SSE CARMI MUI TRUMBULL [38.06, -88.20], 0.4 SE CARI MASSAC COUNTY METROPOLIS [37 [37.13, -88.64] POPE COUNTY GOLCONDA [37.37, - The Wabash, Little Wabash, and Ohio F series of nearly stationary fronts and o occurred during this period. Rainfall to generally minor, except for moderate fl	06/20/19 05:00 CST 06/30/19 23:59 CST N [37.70, -88.13], 2.4 SW SHAWNEET 06/20/19 22:00 CST 06/30/19 23:59 CST NI ARPT [38.08, -88.14], 2.8 SSE CAR MI [38.08, -88.16] 06/23/19 10:00 CST 06/30/19 23:59 CST 7.15, -88.73], 0.7 S METROPOLIS [37.7 06/24/19 03:00 CST 06/30/19 23:59 CST -88.48], 1.9 S TANSILL [37.27, -88.53], 06/25/19 05:00 CST 06/29/19 20:00 CST Rivers rose back above flood stage la utflow boundaries between the 16th at tals during this time frame were betw ooding on the Wabash River at Mt. C	10 OWN [37.68, -88. MI [38.04, -88.15] 14, -88.73], 0.4 WS , 1.9 NNW BAY Cl ate in the month. and 24th. Numerciveen 3 and 6 inch	30K 0 16], 2.0 SSW SHAV 0 0 2.7 E BROWNSVI 0 0 5W BROOKPORT [0 0 5W BROOKPORT [0 0 7 17 [37.28, -88.51], 0 0 5 10 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	Flood (due to Heavy Rain) Source: River/Stream Gage VNEETOWN [37.67, -88.14], 0.3 SE Flood (due to Heavy Rain) Source: River/Stream Gage LLE [38.03, -88.20], 2.0 SE Flood (due to Heavy Rain) Source: River/Stream Gage 37.12, -88.64], 1.0 NW BROOKPORT Flood (due to Heavy Rain) Source: River/Stream Gage 0.6 S GOLCONDA [37.36, -88.48] Flood (due to Heavy Rain) Source: River/Stream Gage vere in response to a wers and storms iver flooding was
MAUNIE [38.03, -88.02] GALLATIN COUNTY SHAWNEETOW SHAWNEETOWN [37.70, -88.13] WHITE COUNTY 1.5 SSE CARMI MUI TRUMBULL [38.06, -88.20], 0.4 SE CARI MASSAC COUNTY METROPOLIS [37 [37.13, -88.64] POPE COUNTY GOLCONDA [37.37, - The Wabash, Little Wabash, and Ohio F series of nearly stationary fronts and o occurred during this period. Rainfall to generally minor, except for moderate fl woods and fields, continued into July a	06/20/19 05:00 CST 06/30/19 23:59 CST N [37.70, -88.13], 2.4 SW SHAWNEET 06/20/19 22:00 CST 06/30/19 23:59 CST NI ARPT [38.08, -88.14], 2.8 SSE CAR MI [38.08, -88.16] 06/23/19 10:00 CST 06/30/19 23:59 CST 7.15, -88.73], 0.7 S METROPOLIS [37.7 06/24/19 03:00 CST 06/30/19 23:59 CST -88.48], 1.9 S TANSILL [37.27, -88.53], 06/25/19 05:00 CST 06/29/19 20:00 CST Rivers rose back above flood stage la utflow boundaries between the 16th is tals during this time frame were betw ooding on the Wabash River at Mt. C at most locations.	10 OWN [37.68, -88. MI [38.04, -88.15] 14, -88.73], 0.4 WS , 1.9 NNW BAY Cl ate in the month. and 24th. Numerciveen 3 and 6 inch	30K 0 16], 2.0 SSW SHAV 0 0 2.7 E BROWNSVI 0 0 5W BROOKPORT [0 0 5W BROOKPORT [0 0 7 17 [37.28, -88.51], 0 0 5 10 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	Flood (due to Heavy Rain) Source: River/Stream Gage VNEETOWN [37.67, -88.14], 0.3 SE Flood (due to Heavy Rain) Source: River/Stream Gage LLE [38.03, -88.20], 2.0 SE Flood (due to Heavy Rain) Source: River/Stream Gage 37.12, -88.64], 1.0 NW BROOKPORT Flood (due to Heavy Rain) Source: River/Stream Gage 0.6 S GOLCONDA [37.36, -88.48] Flood (due to Heavy Rain) Source: River/Stream Gage vere in response to a wers and storms iver flooding was
WHITE COUNTY MAUNIE [38.03, -88. MAUNIE [38.03, -88.02] GALLATIN COUNTY SHAWNEETOW SHAWNEETOWN [37.70, -88.13] WHITE COUNTY 1.5 SSE CARMI MUI TRUMBULL [38.06, -88.20], 0.4 SE CARI MASSAC COUNTY METROPOLIS [37 [37.13, -88.64] POPE COUNTY GOLCONDA [37.37, - The Wabash, Little Wabash, and Ohio F series of nearly stationary fronts and o occurred during this period. Rainfall to generally minor, except for moderate fl woods and fields, continued into July a JEFFERSON COUNTY 3.0 SW MT VE	06/20/19 05:00 CST 06/30/19 23:59 CST N [37.70, -88.13], 2.4 SW SHAWNEET 06/20/19 22:00 CST 06/30/19 23:59 CST NI ARPT [38.08, -88.14], 2.8 SSE CAR MI [38.08, -88.16] 06/23/19 10:00 CST 06/30/19 23:59 CST 7.15, -88.73], 0.7 S METROPOLIS [37.7 06/24/19 03:00 CST 06/30/19 23:59 CST -88.48], 1.9 S TANSILL [37.27, -88.53], 06/25/19 05:00 CST 06/29/19 20:00 CST Rivers rose back above flood stage la utflow boundaries between the 16th is tals during this time frame were betw ooding on the Wabash River at Mt. C at most locations.	10 OWN [37.68, -88. MI [38.04, -88.15] 14, -88.73], 0.4 WS , 1.9 NNW BAY Cl ate in the month. and 24th. Numerciveen 3 and 6 inch	30K 0 16], 2.0 SSW SHAV 0 0 2.7 E BROWNSVI 0 0 5W BROOKPORT [0 0 5W BROOKPORT [0 0 7 17 [37.28, -88.51], 0 0 5 10 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	Flood (due to Heavy Rain) Source: River/Stream Gage VNEETOWN [37.67, -88.14], 0.3 SE Flood (due to Heavy Rain) Source: River/Stream Gage LLE [38.03, -88.20], 2.0 SE Flood (due to Heavy Rain) Source: River/Stream Gage 37.12, -88.64], 1.0 NW BROOKPORT Flood (due to Heavy Rain) Source: River/Stream Gage 0.6 S GOLCONDA [37.36, -88.48] Flood (due to Heavy Rain) Source: River/Stream Gage vere in response to a wers and storms iver flooding was

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A trained spotter estimated the wind gust	ted to 60 mph. Power outages occurred	l.		
HAMILTON COUNTY 3.0 NE BELL PI				The last 1440 5440
	06/21/19 13:44 CST		0	Thunderstorm Wind (MG 51 kt)
	06/21/19 13:44 CST		0	Source: Mesonet
mesonet site measured a wind gust to	59 mph.			
ARDIN COUNTY ELIZABETHTOWN	I [37.45, -88.30]			
	06/21/19 15:30 CST		0	Lightning
	06/21/19 15:30 CST	1	0	Source: Emergency Manager
31-year-old man was struck by lightnin	g while riding a lawn mower. He was ho	ospitalized at a re	gional hospital with	n non life-threatening injuries.
ACKSON COUNTY MURPHYSBOR	0 [37.7789.33]. CARBONDALE [37.72	289.221		
	06/21/19 15:32 CST	,	4K	Thunderstorm Wind (EG 52 kt)
	06/21/19 15:40 CST		0	Source: Emergency Manager
tree was down in Murphysboro. Tree li	mbs were down in Carbondale, includin	ig a large limb tha	at fell on a house.	
ACKSON COUNTY 2.0 E MAKANDA	A [37 62 -89 16]			
ACTOOR COURT I 2.0 E MARANDA	06/21/19 15:40 CST		2K	Thunderstorm Wind (EG 56 kt)
	06/21/19 15:40 CST		0	Source: Emergency Manager
wo trees were covering Rocky Comfort	Road.			
JACKSON COUNTY MURPHYSBOR	0 127 77 90 221 0 6 ESE BADD 127 75	80 261 1 4 WS	W DE SOTO 127 82	
37.82, -89.32]	0 [31.11, -03.33], 0.0 ESE BARR [31.13	, -09.20], 1.4 443	W DE 3010 [37.82	, -09.20], 0.2 33W GRANGE HALL
	06/21/19 15:45 CST		0	Flash Flood (due to Heavy Rain)
	06/21/19 21:00 CST		0	Source: Emergency Manager
looding was reported on Route 149 bet	ween Murphysboro and Desoto. Some	roadways were re	eported flooded nea	ar Murphysboro.
PULASKI COUNTY 2.0 S ULLIN [37.2	489.181. MOUNDS [37.1289.20]			
	06/21/19 15:50 CST	1	20K	Thunderstorm Wind (EG 65 kt)
	06/21/19 16:00 CST	1	0	Source: Broadcast Media
	i County, downing numerous trees. A 4 o miles south of Ullin. At Mounds, a tee			
JIEGUT ALAILLIES. THOVE				
VILLIAMSON COUNTY CARTERVILI		03]	2014	Thunderatorm Wind (EQ.65.14)
	06/21/19 15:50 CST 06/21/19 15:54 CST		30K 0	Thunderstorm Wind (EG 65 kt) Source: Trained Spotter
				·
Widespread damaging winds entered no Carterville, trees were blown down along	-	ere snapped in H	errin, causing powe	er outages. A tree landed on a home. In
JOHNSON COUNTY VIENNA [37.42,				
	06/21/19 15:58 CST		50K	Thunderstorm Wind (EG 65 kt)
	06/21/19 16:03 CST		0	Source: Law Enforcement
		es At least one	power pole was kn	ocked down. Near Simpson, several
Numerous trees were down around the c oak trees from three to four feet in diame				
	ter were blown down.			
pak trees from three to four feet in diame	ter were blown down.		75K	Thunderstorm Wind (EG 65 kt)

ocation	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Videspread damaging winds continu	ed moving eastward across central and	eastern Williamson	County, including th	he city of Marion. Wind gusts were
	ous trees and tree limbs were blown do		-	-
enicles and one nome. The nome di	d not sustain any structural damage, bu	it gutters were dama	ged. At least 5,000	utility customers were without power.
ASSAC COUNTY METROPOLIS	[37.15, -88.73], BROOKPORT [37.12,	-88.63]		
	06/21/19 16:15 CST		20K	Thunderstorm Wind (EG 65 kt)
	06/21/19 16:20 CST		0	Source: NWS Employee
semi was blown over on the Interst	ate 24 bridge over the Ohio River. Near	Brookport, at least a	a half-dozen trees w	vere snapped along the Ohio River.
		7 66 00 021 2 4 6\M	CHAMNESS 127 6	
VILLIAMSON COUNTY MARION	06/21/19 18:36 CST	7.00, -00.93], 2.1 3W	0	6, -89.01], CRAINVILLE [37.75, -89.07] Flash Flood (due to Heavy Rain)
	06/21/19 21:00 CST		0	Source: Mesonet
ignificant crock flooding was reported	od noor Crob Orobord Lako ofter 2.22 in	where of rain fall in the	a haura. Banarta d	f passible read alegures were
ceived along portions of Route 13.	ed near Crab Orchard Lake after 2.22 in	iches of fain feil in tw	o nours. Reports of	r possible road closures were
severe weather outbreak occurre	d during the afternoon and early even	ing hours. An organ	ized line of severe	thunderstorms formed
	g the night of the 20th. This bowing lir	•		
	n across the lower Ohio Valley and so		-	-
	uthern Illinois, especially in far southe orted in a few locations. The atmosphe			
	00. Given the strong buoyancy, wind p			
veather. Deep-layer (0-6 km) wind s	hear values were no higher than about	ut 30 knots, and 0-1	km shear was abo	ut 20 knots. Even though
e region was under a broad 500 m	nb ridge, a moderately strong low-leve	I feed of very moist	and unstable air fu	ueled the intense storms
s they propagated southeastward.				
		BURG [37 72 -88 54]	1 0 SW HARRISB	NIRG [37 72 -88 561 1 0 NW
ALINE COUNTY 1.0 NE HARRIS	BURG [37.74, -88.54], 1.0 SE HARRISE	BURG [37.72, -88.54]	, 1.0 SW HARRISB	BURG [37.72, -88.56], 1.0 NW
ALINE COUNTY 1.0 NE HARRIS		3URG [37.72, -88.54]	, 1.0 SW HARRISB 0	Flash Flood (due to Heavy Rain)
ALINE COUNTY 1.0 NE HARRIS	BURG [37.74, -88.54], 1.0 SE HARRISE	BURG [37.72, -88.54]		
SALINE COUNTY 1.0 NE HARRIS IARRISBURG [37.74, -88.56]	BURG [37.74, -88.54], 1.0 SE HARRISE 06/22/19 12:24 CST	3URG [37.72, -88.54]	0	Flash Flood (due to Heavy Rain)
ALINE COUNTY 1.0 NE HARRIS IARRISBURG [37.74, -88.56] Jumerous city roads in Harrisburg we	BURG [37.74, -88.54], 1.0 SE HARRISE 06/22/19 12:24 CST 06/22/19 18:00 CST ere flooded, and several were closed.		0 0	Flash Flood (due to Heavy Rain) Source: Law Enforcement
ALINE COUNTY 1.0 NE HARRIS IARRISBURG [37.74, -88.56] Jumerous city roads in Harrisburg we	BURG [37.74, -88.54], 1.0 SE HARRISE 06/22/19 12:24 CST 06/22/19 18:00 CST ere flooded, and several were closed. 7.93, -89.23], CARBONDALE [37.72, -89		0 0 RO [37.77, -89.33], J	Flash Flood (due to Heavy Rain) Source: Law Enforcement AVA [37.88, -89.50]
ALINE COUNTY 1.0 NE HARRIS IARRISBURG [37.74, -88.56] Jumerous city roads in Harrisburg we	BURG [37.74, -88.54], 1.0 SE HARRISE 06/22/19 12:24 CST 06/22/19 18:00 CST ere flooded, and several were closed. 7.93, -89.23], CARBONDALE [37.72, -85 06/22/19 12:29 CST		0 0 RO [37.77, -89.33], / 0	Flash Flood (due to Heavy Rain) Source: Law Enforcement AVA [37.88, -89.50] Flash Flood (due to Heavy Rain)
ALINE COUNTY 1.0 NE HARRIS IARRISBURG [37.74, -88.56] Jumerous city roads in Harrisburg we	BURG [37.74, -88.54], 1.0 SE HARRISE 06/22/19 12:24 CST 06/22/19 18:00 CST ere flooded, and several were closed. 7.93, -89.23], CARBONDALE [37.72, -89		0 0 RO [37.77, -89.33], J	Flash Flood (due to Heavy Rain) Source: Law Enforcement AVA [37.88, -89.50]
ALINE COUNTY 1.0 NE HARRIS IARRISBURG [37.74, -88.56] Jumerous city roads in Harrisburg we	BURG [37.74, -88.54], 1.0 SE HARRISE 06/22/19 12:24 CST 06/22/19 18:00 CST ere flooded, and several were closed. 7.93, -89.23], CARBONDALE [37.72, -85 06/22/19 12:29 CST	9.22], MURPHYSBOF	0 0 RO [37.77, -89.33] , , 0 0	Flash Flood (due to Heavy Rain) Source: Law Enforcement AVA [37.88, -89.50] Flash Flood (due to Heavy Rain)
SALINE COUNTY 1.0 NE HARRIS IARRISBURG [37.74, -88.56] Jumerous city roads in Harrisburg we ACKSON COUNTY DOWELL [37 Jumerous county roads were flooded	BURG [37.74, -88.54], 1.0 SE HARRISE 06/22/19 12:24 CST 06/22/19 18:00 CST ere flooded, and several were closed. 7.93, -89.23], CARBONDALE [37.72, -89 06/22/19 12:29 CST 06/22/19 17:30 CST d across the county. Water was over U.3	9 .22], MURPHYSBOF S. Highway 51 just so	0 0 RO [37.77, -89.33], , 0 0 0 buth of Dowell.	Flash Flood (due to Heavy Rain) Source: Law Enforcement AVA [37.88, -89.50] Flash Flood (due to Heavy Rain) Source: Law Enforcement
SALINE COUNTY 1.0 NE HARRIS IARRISBURG [37.74, -88.56] Jumerous city roads in Harrisburg wa ACKSON COUNTY DOWELL [37 Jumerous county roads were flooded	BURG [37.74, -88.54], 1.0 SE HARRISE 06/22/19 12:24 CST 06/22/19 18:00 CST ere flooded, and several were closed. 7.93, -89.23], CARBONDALE [37.72, -85 06/22/19 12:29 CST 06/22/19 17:30 CST	9 .22], MURPHYSBOF S. Highway 51 just so	0 0 RO [37.77, -89.33], , 0 0 0 buth of Dowell.	Flash Flood (due to Heavy Rain) Source: Law Enforcement AVA [37.88, -89.50] Flash Flood (due to Heavy Rain) Source: Law Enforcement
SALINE COUNTY 1.0 NE HARRIS IARRISBURG [37.74, -88.56] Jumerous city roads in Harrisburg we ACKSON COUNTY DOWELL [37 Jumerous county roads were flooded	BURG [37.74, -88.54], 1.0 SE HARRISE 06/22/19 12:24 CST 06/22/19 18:00 CST ere flooded, and several were closed. 7.93, -89.23], CARBONDALE [37.72, -89 06/22/19 12:29 CST 06/22/19 17:30 CST d across the county. Water was over U.3	9 .22], MURPHYSBOF S. Highway 51 just so	0 0 RO [37.77, -89.33], , 0 0 0 buth of Dowell.	Flash Flood (due to Heavy Rain) Source: Law Enforcement AVA [37.88, -89.50] Flash Flood (due to Heavy Rain) Source: Law Enforcement
SALINE COUNTY 1.0 NE HARRIS IARRISBURG [37.74, -88.56] Jumerous city roads in Harrisburg wa ACKSON COUNTY DOWELL [37 Jumerous county roads were flooded	BURG [37.74, -88.54], 1.0 SE HARRISE 06/22/19 12:24 CST 06/22/19 18:00 CST ere flooded, and several were closed. 7.93, -89.23], CARBONDALE [37.72, -89 06/22/19 12:29 CST 06/22/19 12:29 CST 06/22/19 17:30 CST d across the county. Water was over U.3 N SPUR [37.85, -89.00], CARTERVILLE	9 .22], MURPHYSBOF S. Highway 51 just so	0 0 RO [37.77, -89.33], / 0 0 buth of Dowell. RION [37.73, -88.93	Flash Flood (due to Heavy Rain) Source: Law Enforcement AVA [37.88, -89.50] Flash Flood (due to Heavy Rain) Source: Law Enforcement B], CRAB ORCHARD [37.73, -88.80],
ALINE COUNTY 1.0 NE HARRIS IARRISBURG [37.74, -88.56] Jumerous city roads in Harrisburg we ACKSON COUNTY DOWELL [37 Jumerous county roads were flooded VILLIAMSON COUNTY FREEMA .6 N CORINTH [37.84, -88.78]	BURG [37.74, -88.54], 1.0 SE HARRISE 06/22/19 12:24 CST 06/22/19 18:00 CST ere flooded, and several were closed. 7.93, -89.23], CARBONDALE [37.72, -89 06/22/19 12:29 CST 06/22/19 17:30 CST d across the county. Water was over U.3 N SPUR [37.85, -89.00], CARTERVILLE 06/22/19 12:36 CST 06/22/19 17:30 CST	9.22], MURPHYSBOF S. Highway 51 just so E [37.75, -89.08], MAI	0 0 RO [37.77, -89.33], 0 0 buth of Dowell. RION [37.73, -88.93 0 0	Flash Flood (due to Heavy Rain) Source: Law Enforcement AVA [37.88, -89.50] Flash Flood (due to Heavy Rain) Source: Law Enforcement 3], CRAB ORCHARD [37.73, -88.80], Flash Flood (due to Heavy Rain)
ALINE COUNTY 1.0 NE HARRIS IARRISBURG [37.74, -88.56] Jumerous city roads in Harrisburg we ACKSON COUNTY DOWELL [37 Jumerous county roads were flooded VILLIAMSON COUNTY FREEMA .6 N CORINTH [37.84, -88.78]	BURG [37.74, -88.54], 1.0 SE HARRISE 06/22/19 12:24 CST 06/22/19 18:00 CST ere flooded, and several were closed. 7.93, -89.23], CARBONDALE [37.72, -85 06/22/19 12:29 CST 06/22/19 12:30 CST d across the county. Water was over U.3 N SPUR [37.85, -89.00], CARTERVILLE 06/22/19 12:36 CST	9.22], MURPHYSBOF S. Highway 51 just so E [37.75, -89.08], MAI	0 0 RO [37.77, -89.33], 0 0 buth of Dowell. RION [37.73, -88.93 0 0	Flash Flood (due to Heavy Rain) Source: Law Enforcement AVA [37.88, -89.50] Flash Flood (due to Heavy Rain) Source: Law Enforcement 3], CRAB ORCHARD [37.73, -88.80], Flash Flood (due to Heavy Rain)
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ALINE COUNTY 1.0 NE HARRIS IARRISBURG [37.74, -88.56] Jumerous city roads in Harrisburg we ACKSON COUNTY DOWELL [37 Jumerous county roads were flooded VILLIAMSON COUNTY FREEMA .6 N CORINTH [37.84, -88.78] Several roads were flooded across the n the wake of an early morning thu behind the first complex. The line m MASSAC COUNTY UNIONVILLE	BURG [37.74, -88.54], 1.0 SE HARRISE 06/22/19 12:24 CST 06/22/19 18:00 CST ere flooded, and several were closed. 7.93, -89.23], CARBONDALE [37.72, -85 06/22/19 12:29 CST 06/22/19 12:29 CST 06/22/19 17:30 CST d across the county. Water was over U.3 N SPUR [37.85, -89.00], CARTERVILLE 06/22/19 12:36 CST 06/22/19 17:30 CST the county. One road was closed north of inderstorm complex, a line of storms for noved very slowly in some areas, resu [37.12, -88.55] 06/23/19 16:00 CST 06/23/19 16:00 CST 06/23/19 16:00 CST d off near Unionville.	9.22], MURPHYSBOF S. Highway 51 just so E [37.75, -89.08], MAI f Herrin at Freeman S formed as a result of liting in pockets of fl	0 0 RO [37.77, -89.33], 0 0 buth of Dowell. RION [37.73, -88.93 0 0 Spur. daytime heating it ash flooding. 1K 0	Flash Flood (due to Heavy Rain) Source: Law Enforcement AVA [37.88, -89.50] Flash Flood (due to Heavy Rain) Source: Law Enforcement B], CRAB ORCHARD [37.73, -88.80], Flash Flood (due to Heavy Rain) Source: Law Enforcement n the clearing area Thunderstorm Wind (EG 52 kt)

northeast of the Highway 146/Buschwack Road junction. I part of its roof. Peak winds were estimated near 95 mph.

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
southern Illinois late in the afternoo storms occurred under a rather stro	ered southeast Missouri about mid-after on and early in the evening. In far south ong southwest wind flow ahead of a we s provided some additional support for	ern Illinois, an EF- ak cold front over t	1 tornado was ass far western Misso	sociated with this line. The uri. A 500 mb shortwave
PERRY COUNTY 1.0 SSW DU QU	JOIN [38.01, -89.24]			
	06/26/19 16:25 CST		0	Hail (1.00 in)
	06/26/19 16:25 CST		0	Source: Public
RANKLIN COUNTY WEST FRAM	NKFORT [37.90, -88.92]			
	06/26/19 17:00 CST		0	Hail (1.00 in)
	06/26/19 17:00 CST		0	Source: Emergency Manager
WAYNE COUNTY WAYNE CITY [38.35, -88.58], JOHNSONVILLE [38.52, -	88.53], MT ERIE [3	8.52, -88.23], ELLE	ERY [38.35, -88.15], FAIRFIELD [38.38,
88.37]	06/26/19 17:44 CST		0	Flash Flood (due to Heavy Rain)
	06/26/19 22:40 CST		0	Source: Law Enforcement
xperienced flooding. Flooding was r scord levels. A trained spotter meas oosely organized clusters of thund arlier thunderstorms moved eastw orticity center contributed to stron	reported on Highway 161 and U.S. Highw sured 3.20 inches of rain in a few hours. derstorms produced locally very heavy ward across southern Missouri during th ng instability, with mixed-layer capes ar cient for loosely organized thunderstorm	ay 45, as well as n rain and isolated I re afternoon. Very ound 3000. Around	arge hail. A meso warm and moist a 1 25 to 40 knots of	scale vorticity center from ir in advance of this f westerly flow in the mid
experienced flooding. Flooding was r record levels. A trained spotter meas Loosely organized clusters of thun earlier thunderstorms moved eastw vorticity center contributed to strom	reported on Highway 161 and U.S. Highw sured 3.20 inches of rain in a few hours. derstorms produced locally very heavy vard across southern Missouri during the ing instability, with mixed-layer capes an cient for loosely organized thunderstorm [38.42, -87.77]	ay 45, as well as n rain and isolated I re afternoon. Very ound 3000. Around	arge hail. A meso warm and moist a 1 25 to 40 knots of f which were seve	ads. A creek near Cisne approached scale vorticity center from hir in advance of this f westerly flow in the mid re.
xperienced flooding. Flooding was r ecord levels. A trained spotter meas coosely organized clusters of thund arlier thunderstorms moved eastw orticity center contributed to stron evels of the atmosphere was suffic	reported on Highway 161 and U.S. Highw sured 3.20 inches of rain in a few hours. derstorms produced locally very heavy ward across southern Missouri during the ng instability, with mixed-layer capes are cient for loosely organized thunderstorm [38.42, -87.77] 06/30/19 18:05 CST	ay 45, as well as n rain and isolated I re afternoon. Very ound 3000. Around	arge hail. A meso warm and moist a d 25 to 40 knots of f which were seve 5K	ads. A creek near Cisne approached scale vorticity center from hir in advance of this f westerly flow in the mid re. Thunderstorm Wind (EG 56 kt)
experienced flooding. Flooding was r record levels. A trained spotter meas Loosely organized clusters of thun earlier thunderstorms moved eastw vorticity center contributed to stron evels of the atmosphere was suffic	reported on Highway 161 and U.S. Highw sured 3.20 inches of rain in a few hours. derstorms produced locally very heavy vard across southern Missouri during the ing instability, with mixed-layer capes an cient for loosely organized thunderstorm [38.42, -87.77]	ay 45, as well as n rain and isolated I re afternoon. Very ound 3000. Around	arge hail. A meso warm and moist a 1 25 to 40 knots of f which were seve	ads. A creek near Cisne approached scale vorticity center from hir in advance of this f westerly flow in the mid re.
experienced flooding. Flooding was r ecord levels. A trained spotter meas Loosely organized clusters of thund earlier thunderstorms moved eastw vorticity center contributed to strom evels of the atmosphere was suffic WABASH COUNTY MT CARMEL	reported on Highway 161 and U.S. Highw sured 3.20 inches of rain in a few hours. derstorms produced locally very heavy vard across southern Missouri during the ng instability, with mixed-layer capes an cient for loosely organized thunderstorm [38.42, -87.77] 06/30/19 18:05 CST 06/30/19 18:05 CST	ay 45, as well as n rain and isolated I re afternoon. Very ound 3000. Around	arge hail. A meso warm and moist a d 25 to 40 knots of f which were seve 5K	ads. A creek near Cisne approached scale vorticity center from hir in advance of this f westerly flow in the mid re. Thunderstorm Wind (EG 56 kt)
experienced flooding. Flooding was r ecord levels. A trained spotter meas Loosely organized clusters of thund earlier thunderstorms moved eastw vorticity center contributed to stron evels of the atmosphere was suffic WABASH COUNTY MT CARMEL	reported on Highway 161 and U.S. Highway ured 3.20 inches of rain in a few hours. derstorms produced locally very heavy ward across southern Missouri during the ing instability, with mixed-layer capes ar- cient for loosely organized thunderstorm [38.42, -87.77] 06/30/19 18:05 CST 06/30/19 18:05 CST ne on a house. 37.98, -88.32], 1.0 S NORRIS CITY [37.97	ay 45, as well as n rain and isolated I le afternoon. Very bund 3000. Around n clusters, a few of	arge hail. A mesos warm and moist a d 25 to 40 knots of which were seve 5K 0	ads. A creek near Cisne approached scale vorticity center from hir in advance of this f westerly flow in the mid re. Thunderstorm Wind (EG 56 kt) Source: State Official
experienced flooding. Flooding was r ecord levels. A trained spotter meas Loosely organized clusters of thund earlier thunderstorms moved eastw vorticity center contributed to stron evels of the atmosphere was suffic WABASH COUNTY MT CARMEL	reported on Highway 161 and U.S. Highway ured 3.20 inches of rain in a few hours. derstorms produced locally very heavy ward across southern Missouri during the ing instability, with mixed-layer capes and cient for loosely organized thunderstorm [38.42, -87.77] 06/30/19 18:05 CST 06/30/19 18:05 CST the on a house. 37.98, -88.32], 1.0 S NORRIS CITY [37.97 06/30/19 19:05 CST	ay 45, as well as n rain and isolated I le afternoon. Very bund 3000. Around n clusters, a few of	arge hail. A meson warm and moist a d 25 to 40 knots of which were seve 5K 0	ads. A creek near Cisne approached scale vorticity center from hir in advance of this f westerly flow in the mid hre. Thunderstorm Wind (EG 56 kt) Source: State Official
experienced flooding. Flooding was r record levels. A trained spotter meas Loosely organized clusters of thund earlier thunderstorms moved eastw vorticity center contributed to stron evels of the atmosphere was suffic WABASH COUNTY MT CARMEL Frees were blown down, including on WHITE COUNTY NORRIS CITY [3	reported on Highway 161 and U.S. Highway ured 3.20 inches of rain in a few hours. derstorms produced locally very heavy ward across southern Missouri during the ing instability, with mixed-layer capes are cient for loosely organized thunderstorm [38.42, -87.77] 06/30/19 18:05 CST 06/30/19 18:05 CST ne on a house. 37.98, -88.32], 1.0 S NORRIS CITY [37.97 06/30/19 19:05 CST 06/30/19 19:05 CST	ay 45, as well as n rain and isolated I le afternoon. Very bund 3000. Around n clusters, a few of	arge hail. A mesos warm and moist a d 25 to 40 knots of which were seve 5K 0	ads. A creek near Cisne approached scale vorticity center from hir in advance of this f westerly flow in the mid re. Thunderstorm Wind (EG 56 kt) Source: State Official
experienced flooding. Flooding was r ecord levels. A trained spotter meas Loosely organized clusters of thund earlier thunderstorms moved eastw vorticity center contributed to stron evels of the atmosphere was suffic WABASH COUNTY MT CARMEL Frees were blown down, including on WHITE COUNTY NORRIS CITY [3	reported on Highway 161 and U.S. Highway ured 3.20 inches of rain in a few hours. derstorms produced locally very heavy ward across southern Missouri during the ing instability, with mixed-layer capes and cient for loosely organized thunderstorm [38.42, -87.77] 06/30/19 18:05 CST 06/30/19 18:05 CST the on a house. 37.98, -88.32], 1.0 S NORRIS CITY [37.97 06/30/19 19:05 CST	ay 45, as well as n rain and isolated I le afternoon. Very bund 3000. Around n clusters, a few of	arge hail. A meson warm and moist a d 25 to 40 knots of which were seve 5K 0	ads. A creek near Cisne approached scale vorticity center from hir in advance of this f westerly flow in the mid hre. Thunderstorm Wind (EG 56 kt) Source: State Official
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xperienced flooding. Flooding was r accord levels. A trained spotter meas oosely organized clusters of thund arlier thunderstorms moved eastw orticity center contributed to stron wels of the atmosphere was suffic VABASH COUNTY MT CARMEL rees were blown down, including on VHITE COUNTY NORRIS CITY [3 trained spotter reported 60 mph with	reported on Highway 161 and U.S. Highw sured 3.20 inches of rain in a few hours. derstorms produced locally very heavy ward across southern Missouri during the ng instability, with mixed-layer capes an cient for loosely organized thunderstorm [38.42, -87.77] 06/30/19 18:05 CST 06/30/19 18:05 CST ne on a house. 37.98, -88.32], 1.0 S NORRIS CITY [37.97 06/30/19 19:05 CST 06/30/19 19:05 CST nds along an outflow boundary as it move [COWN [37.70, -88.13] 06/30/19 19:20 CST	ay 45, as well as n rain and isolated I le afternoon. Very bund 3000. Around n clusters, a few of	arge hail. A meson warm and moist a 1 25 to 40 knots of 5 which were seve 5K 0 0	ads. A creek near Cisne approached scale vorticity center from ir in advance of this f westerly flow in the mid re. Thunderstorm Wind (EG 56 kt) Source: State Official Thunderstorm Wind (EG 52 kt) Source: Trained Spotter Thunderstorm Wind (EG 52 kt)
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experienced flooding. Flooding was r ecord levels. A trained spotter meas coosely organized clusters of thund earlier thunderstorms moved eastw rorticity center contributed to strom evels of the atmosphere was suffic VABASH COUNTY MT CARMEL Trees were blown down, including on VHITE COUNTY NORRIS CITY [3 A trained spotter reported 60 mph with GALLATIN COUNTY SHAWNEET	reported on Highway 161 and U.S. Highway ured 3.20 inches of rain in a few hours. derstorms produced locally very heavy ward across southern Missouri during the fig instability, with mixed-layer capes and the state of the second sec	ay 45, as well as n rain and isolated I le afternoon. Very bund 3000. Around n clusters, a few of	arge hail. A meson warm and moist a 1 25 to 40 knots of 5 which were seve 5K 0 0	ads. A creek near Cisne approached scale vorticity center from ir in advance of this f westerly flow in the mid re. Thunderstorm Wind (EG 56 kt) Source: State Official Thunderstorm Wind (EG 52 kt) Source: Trained Spotter Thunderstorm Wind (EG 52 kt)
experienced flooding. Flooding was r ecord levels. A trained spotter meas Loosely organized clusters of thund earlier thunderstorms moved eastw vorticity center contributed to strom evels of the atmosphere was suffic NABASH COUNTY MT CARMEL Frees were blown down, including on WHITE COUNTY NORRIS CITY [3] A trained spotter reported 60 mph win GALLATIN COUNTY SHAWNEET A tree was down on Highway 13, blow	reported on Highway 161 and U.S. Highw sured 3.20 inches of rain in a few hours. derstorms produced locally very heavy vard across southern Missouri during the ng instability, with mixed-layer capes and cient for loosely organized thunderstorm [38.42, -87.77] 06/30/19 18:05 CST 06/30/19 18:05 CST ne on a house. 37.98, -88.32], 1.0 S NORRIS CITY [37.97 06/30/19 19:05 CST 06/30/19 19:05 CST nds along an outflow boundary as it move rown [37.70, -88.13] 06/30/19 19:20 CST 06/30/19 19:20 CST cking one lane of the road. [37.73, -88.55]	ay 45, as well as n rain and isolated I le afternoon. Very bund 3000. Around n clusters, a few of	arge hail. A meson warm and moist a d 25 to 40 knots of f which were seve 5K 0 0 0 1K 0	A creek near Cisne approached scale vorticity center from iir in advance of this f westerly flow in the mid re. Thunderstorm Wind (EG 56 kt) Source: State Official Thunderstorm Wind (EG 52 kt) Source: Trained Spotter Thunderstorm Wind (EG 52 kt) Source: Law Enforcement
experienced flooding. Flooding was r record levels. A trained spotter meas Loosely organized clusters of thun earlier thunderstorms moved eastw vorticity center contributed to strom evels of the atmosphere was suffic NABASH COUNTY MT CARMEL Trees were blown down, including on NHITE COUNTY NORRIS CITY [3 A trained spotter reported 60 mph with	reported on Highway 161 and U.S. Highw sured 3.20 inches of rain in a few hours. derstorms produced locally very heavy ward across southern Missouri during the ng instability, with mixed-layer capes and cient for loosely organized thunderstorm [38.42, -87.77] 06/30/19 18:05 CST 06/30/19 18:05 CST ne on a house. 37.98, -88.32], 1.0 S NORRIS CITY [37.97 06/30/19 19:05 CST 06/30/19 19:05 CST nds along an outflow boundary as it move rown [37.70, -88.13] 06/30/19 19:20 CST 06/30/19 19:20 CST cking one lane of the road.	ay 45, as well as n rain and isolated I le afternoon. Very bund 3000. Around n clusters, a few of	arge hail. A meson warm and moist a 1 25 to 40 knots of 5 which were seve 5K 0 0	ads. A creek near Cisne approached scale vorticity center from ir in advance of this f westerly flow in the mid re. Thunderstorm Wind (EG 56 kt) Source: State Official Thunderstorm Wind (EG 52 kt) Source: Trained Spotter Thunderstorm Wind (EG 52 kt)

A line of thunderstorms sank southward across southeast Illinois, producing isolated damaging wind gusts. The thunderstorm complex moved southward on the east side of a mid-level high centered over Missouri. A warm, moist, and unstable air mass provided a favorable environment for the storms to maintain their intensity into the lower Ohio Valley.

INDIANA, Southwest

GIBSON COUNTY --- EAST MT CARMEL [38.40, -87.73], 0.3 WNW CRAWLEYVILLE [38.28, -87.84], 1.9 N CRAWLEYVILLE [38.31, -87.83], 1.9 W SKELTON [38.35, -87.82], 1.9 WSW EAST MT CARMEL [38.39, -87.76]

	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/01/19 00:00 CST		0	Flood (due to Heavy Rain)
	06/02/19 16:00 CST		0	Source: River/Stream Gage
GIBSON COUNTY HAZLETON [38.48, -87.5	53], 0.9 NNW HAZLETON [38.49 06/01/19 00:00 CST	, -87.54], 2.3 NE G	IRO [38.52, -87.44 0], 2.0 ENE GIRO [38.51, -87.44] Flood (due to Heavy Rain)
	06/02/19 16:00 CST		10K	Source: River/Stream Gage
PIKE COUNTY 1.0 NW PETERSBURG [38.: •87.17], 0.5 WNW PETERSBURG [38.50, -87.2		38.55, -87.21], 4.9	NNW ALGIERS [3	8.55, -87.20], 4.4 N ALGIERS [38.54,
	06/01/19 00:00 EST		0	Flood (due to Heavy Rain)
	06/02/19 13:00 EST		10K	Source: River/Stream Gage
POSEY COUNTY 1.0 WSW NEW HARMON	Y [38.12, -87.95], 0.7 SSW NEW	HARMONY [38.12	2, -87.93], 3.6 NNE	SAVAH [38.07, -87.95], 3.3 NNE
SAVAH [38.06, -87.96]	06/01/19 00:00 CST		0	Flood (due to Heavy Rain)
	06/03/19 11:00 CST		0	Source: River/Stream Gage
emained stuck in a long-term wet pattern the bove normal for the month of June. Some lo ndiana, it was the 6th wettest June on record	ocations saw as much as 3 to 5			
GIBSON COUNTY PRINCETON [38.35, -87.			101/	
	06/05/19 17:30 CST		10K	Thunderstorm Wind (EG 52 kt)
	06/05/19 17:30 CST		0	Source: Public
Several trees and power lines were down in Pr	inceton. Approximately 1000 cus	stomers were with	out power in the Pa	atoka and Hazleton areas.
GIBSON COUNTY 1.0 ESE HAUBSTADT [ໂ	•		417	
GIBSON COUNTY 1.0 ESE HAUBSTADT [໌	06/05/19 18:10 CST		1K	Thunderstorm Wind (EG 52 kt)
GIBSON COUNTY 1.0 ESE HAUBSTADT [វ	•		1K 0	Thunderstorm Wind (EG 52 kt) Source: Trained Spotter
	06/05/19 18:10 CST 06/05/19 18:10 CST	nd Highway 68.		
A snapped power line was reported near the in Numerous clusters of thunderstorms develo storms, and ahead of a cold front over north mixed-layer capes from 3000 to 3500. Weak v	06/05/19 18:10 CST 06/05/19 18:10 CST tersection of U.S. Highway 41 a ped in southern Illinois and sou ern Indiana. Strong solar heatin	uthwest Indiana al	0 long an outflow be a very unstable at	Source: Trained Spotter bundary from earlier mosphere, with
A snapped power line was reported near the in Numerous clusters of thunderstorms develo storms, and ahead of a cold front over northe mixed-layer capes from 3000 to 3500. Weak w capable of damaging winds.	06/05/19 18:10 CST 06/05/19 18:10 CST atersection of U.S. Highway 41 a ped in southern Illinois and sou ern Indiana. Strong solar heatir wind shear limited storm organi	uthwest Indiana al ng contributed to a ization, but strong	0 ong an outflow ba a very unstable at g buoyancy suppo	Source: Trained Spotter bundary from earlier mosphere, with wrted intense storms
A snapped power line was reported near the in Numerous clusters of thunderstorms develo storms, and ahead of a cold front over northe mixed-layer capes from 3000 to 3500. Weak w capable of damaging winds.	06/05/19 18:10 CST 06/05/19 18:10 CST atersection of U.S. Highway 41 a ped in southern Illinois and sou ern Indiana. Strong solar heatir wind shear limited storm organi	uthwest Indiana al ng contributed to a ization, but strong	0 ong an outflow ba a very unstable at g buoyancy suppo	Source: Trained Spotter bundary from earlier mosphere, with wrted intense storms
A snapped power line was reported near the in Numerous clusters of thunderstorms develo storms, and ahead of a cold front over northo mixed-layer capes from 3000 to 3500. Weak w capable of damaging winds. SPENCER COUNTY 2.6 WNW ROCKPORT	06/05/19 18:10 CST 06/05/19 18:10 CST atersection of U.S. Highway 41 at ped in southern Illinois and sou ern Indiana. Strong solar heatir wind shear limited storm organi	uthwest Indiana al ng contributed to a ization, but strong	0 ong an outflow bo a very unstable at g buoyancy suppo	Source: Trained Spotter bundary from earlier mosphere, with wrted intense storms T [37.89, -87.05], 2.0 NNW ROCKPORT
GIBSON COUNTY 1.0 ESE HAUBSTADT [3 A snapped power line was reported near the in Numerous clusters of thunderstorms develop storms, and ahead of a cold front over northor mixed-layer capes from 3000 to 3500. Weak w capable of damaging winds. SPENCER COUNTY 2.6 WNW ROCKPORT [37.91, -87.07] Water was over the road near the city limits of	06/05/19 18:10 CST 06/05/19 18:10 CST atersection of U.S. Highway 41 at ped in southern Illinois and soutern Indiana. Strong solar heatin wind shear limited storm organi [37.90, -87.09], 0.9 W ROCKPO 06/08/19 16:00 CST 06/08/19 18:00 CST	uthwest Indiana al ng contributed to a ization, but strong RT [37.88, -87.07]	0 ong an outflow bo a very unstable at g buoyancy suppo , 1.0 N ROCKPOR 0 0	Source: Trained Spotter bundary from earlier mosphere, with orted intense storms T [37.89, -87.05], 2.0 NNW ROCKPORT Flood (due to Heavy Rain) Source: Law Enforcement
A snapped power line was reported near the in Numerous clusters of thunderstorms develo storms, and ahead of a cold front over northo mixed-layer capes from 3000 to 3500. Weak w capable of damaging winds. SPENCER COUNTY 2.6 WNW ROCKPORT [37.91, -87.07]	06/05/19 18:10 CST 06/05/19 18:10 CST itersection of U.S. Highway 41 at ped in southern Illinois and soutern Indiana. Strong solar heatir wind shear limited storm organi [37.90, -87.09], 0.9 W ROCKPO 06/08/19 16:00 CST 06/08/19 18:00 CST Rockport. The highway departm I over the same areas, causing air mass. A weak low pressure	uthwest Indiana al ag contributed to a ization, but strong RT [37.88, -87.07] ent put up signs to isolated minor flo	0 oong an outflow be a very unstable at buoyancy suppo , 1.0 N ROCKPOR 0 0 0 divert traffic from oding problems.	Source: Trained Spotter bundary from earlier mosphere, with orted intense storms T [37.89, -87.05], 2.0 NNW ROCKPORT Flood (due to Heavy Rain) Source: Law Enforcement the flooded area. The storms increased in
A snapped power line was reported near the in Numerous clusters of thunderstorms develo storms, and ahead of a cold front over northo mixed-layer capes from 3000 to 3500. Weak v capable of damaging winds. SPENCER COUNTY 2.6 WNW ROCKPORT [37.91, -87.07] Water was over the road near the city limits of Clusters of thunderstorms repeatedly moved response to daytime heating of a very moist bringing tropical moisture for locally heavy r	06/05/19 18:10 CST 06/05/19 18:10 CST itersection of U.S. Highway 41 at ped in southern Illinois and soutern Indiana. Strong solar heatir wind shear limited storm organi (37.90, -87.09), 0.9 W ROCKPO 06/08/19 16:00 CST 06/08/19 18:00 CST 06/08/19 18:00 CST Rockport. The highway departm I over the same areas, causing air mass. A weak low pressure ainfall.	uthwest Indiana al ag contributed to a ization, but strong RT [37.88, -87.07] ent put up signs to isolated minor flo	0 oong an outflow be a very unstable at g buoyancy suppo , 1.0 N ROCKPOR 0 0 0 divert traffic from oding problems. ⁻ vly up the Tennes	Source: Trained Spotter bundary from earlier mosphere, with orted intense storms T [37.89, -87.05], 2.0 NNW ROCKPORT Flood (due to Heavy Rain) Source: Law Enforcement the flooded area. The storms increased in see River Valley,
A snapped power line was reported near the in Numerous clusters of thunderstorms develo storms, and ahead of a cold front over northo mixed-layer capes from 3000 to 3500. Weak v capable of damaging winds. SPENCER COUNTY 2.6 WNW ROCKPORT [37.91, -87.07] Water was over the road near the city limits of Clusters of thunderstorms repeatedly moved response to daytime heating of a very moist	06/05/19 18:10 CST 06/05/19 18:10 CST itersection of U.S. Highway 41 at ped in southern Illinois and soutern Indiana. Strong solar heatin wind shear limited storm organi [37.90, -87.09], 0.9 W ROCKPO 06/08/19 16:00 CST 06/08/19 16:00 CST 06/08/19 18:00 CST Rockport. The highway departm I over the same areas, causing air mass. A weak low pressure ainfall. Y [38.36, -87.34] 06/16/19 16:43 CST	uthwest Indiana al ag contributed to a ization, but strong RT [37.88, -87.07] ent put up signs to isolated minor flo	0 ong an outflow be a very unstable at buoyancy suppo , 1.0 N ROCKPOR 0 0 divert traffic from oding problems. ⁻ vly up the Tennes 1K	Source: Trained Spotter Doundary from earlier mosphere, with rted intense storms T [37.89, -87.05], 2.0 NNW ROCKPORT Flood (due to Heavy Rain) Source: Law Enforcement the flooded area. The storms increased in see River Valley, Thunderstorm Wind (EG 52 kt)
A snapped power line was reported near the in Numerous clusters of thunderstorms develo storms, and ahead of a cold front over northo mixed-layer capes from 3000 to 3500. Weak v capable of damaging winds. SPENCER COUNTY 2.6 WNW ROCKPORT [37.91, -87.07] Water was over the road near the city limits of Clusters of thunderstorms repeatedly moved response to daytime heating of a very moist bringing tropical moisture for locally heavy r GIBSON COUNTY 2.0 NNE OAKLAND CITY	06/05/19 18:10 CST 06/05/19 18:10 CST itersection of U.S. Highway 41 at ped in southern Illinois and soutern Indiana. Strong solar heatir wind shear limited storm organi (37.90, -87.09), 0.9 W ROCKPO 06/08/19 16:00 CST 06/08/19 18:00 CST 06/08/19 18:00 CST Rockport. The highway departm I over the same areas, causing air mass. A weak low pressure ainfall.	uthwest Indiana al ag contributed to a ization, but strong RT [37.88, -87.07] ent put up signs to isolated minor flo	0 oong an outflow be a very unstable at g buoyancy suppo , 1.0 N ROCKPOR 0 0 0 divert traffic from oding problems. ⁻ vly up the Tennes	Source: Trained Spotter bundary from earlier mosphere, with orted intense storms T [37.89, -87.05], 2.0 NNW ROCKPORT Flood (due to Heavy Rain) Source: Law Enforcement the flooded area. The storms increased in see River Valley,
A snapped power line was reported near the in Numerous clusters of thunderstorms develo storms, and ahead of a cold front over northo mixed-layer capes from 3000 to 3500. Weak v capable of damaging winds. SPENCER COUNTY 2.6 WNW ROCKPORT [37.91, -87.07] Water was over the road near the city limits of Clusters of thunderstorms repeatedly moved response to daytime heating of a very moist bringing tropical moisture for locally heavy r GIBSON COUNTY 2.0 NNE OAKLAND CITY	06/05/19 18:10 CST 06/05/19 18:10 CST itersection of U.S. Highway 41 at ped in southern Illinois and soutern Indiana. Strong solar heatin wind shear limited storm organi [37.90, -87.09], 0.9 W ROCKPO 06/08/19 16:00 CST 06/08/19 16:00 CST 06/08/19 18:00 CST Rockport. The highway departm I over the same areas, causing air mass. A weak low pressure ainfall. Y [38.36, -87.34] 06/16/19 16:43 CST	uthwest Indiana al ag contributed to a ization, but strong RT [37.88, -87.07] ent put up signs to isolated minor flo	0 ong an outflow be a very unstable at buoyancy suppo , 1.0 N ROCKPOR 0 0 divert traffic from oding problems. ⁻ vly up the Tennes 1K	Source: Trained Spotter Doundary from earlier mosphere, with rted intense storms T [37.89, -87.05], 2.0 NNW ROCKPORT Flood (due to Heavy Rain) Source: Law Enforcement the flooded area. The storms increased in see River Valley, Thunderstorm Wind (EG 52 kt)
A snapped power line was reported near the in Numerous clusters of thunderstorms develo storms, and ahead of a cold front over northo mixed-layer capes from 3000 to 3500. Weak v capable of damaging winds. SPENCER COUNTY 2.6 WNW ROCKPORT [37.91, -87.07] Water was over the road near the city limits of Clusters of thunderstorms repeatedly moved response to daytime heating of a very moist bringing tropical moisture for locally heavy r	06/05/19 18:10 CST 06/05/19 18:10 CST itersection of U.S. Highway 41 at ped in southern Illinois and soutern Indiana. Strong solar heatin wind shear limited storm organi [37.90, -87.09], 0.9 W ROCKPO 06/08/19 16:00 CST 06/08/19 16:00 CST 06/08/19 18:00 CST Rockport. The highway departm I over the same areas, causing air mass. A weak low pressure ainfall. Y [38.36, -87.34] 06/16/19 16:43 CST 06/16/19 16:43 CST	uthwest Indiana al ag contributed to a ization, but strong RT [37.88, -87.07] ent put up signs to isolated minor flo	0 long an outflow be a very unstable at buoyancy support , 1.0 N ROCKPOR 0 0 divert traffic from oding problems. * vly up the Tennes 1K 0	Source: Trained Spotter Doundary from earlier mosphere, with meted intense storms T [37.89, -87.05], 2.0 NNW ROCKPORT Flood (due to Heavy Rain) Source: Law Enforcement the flooded area. The storms increased in see River Valley, Thunderstorm Wind (EG 52 kt) Source: State Official
A snapped power line was reported near the in Numerous clusters of thunderstorms develop storms, and ahead of a cold front over northe mixed-layer capes from 3000 to 3500. Weak w capable of damaging winds. SPENCER COUNTY 2.6 WNW ROCKPORT [37.91, -87.07] Water was over the road near the city limits of Clusters of thunderstorms repeatedly moved response to daytime heating of a very moist bringing tropical moisture for locally heavy r GIBSON COUNTY 2.0 NNE OAKLAND CITY A tree was down along Highway 57.	06/05/19 18:10 CST 06/05/19 18:10 CST itersection of U.S. Highway 41 at ped in southern Illinois and soutern Indiana. Strong solar heatin wind shear limited storm organi [37.90, -87.09], 0.9 W ROCKPO 06/08/19 16:00 CST 06/08/19 16:00 CST 06/08/19 18:00 CST Rockport. The highway departm I over the same areas, causing air mass. A weak low pressure ainfall. Y [38.36, -87.34] 06/16/19 16:43 CST 06/16/19 16:43 CST	uthwest Indiana al ag contributed to a ization, but strong RT [37.88, -87.07] ent put up signs to isolated minor flo	0 ong an outflow be a very unstable at buoyancy suppo , 1.0 N ROCKPOR 0 0 divert traffic from oding problems. ⁻ vly up the Tennes 1K	Source: Trained Spotter Doundary from earlier mosphere, with rted intense storms T [37.89, -87.05], 2.0 NNW ROCKPORT Flood (due to Heavy Rain) Source: Law Enforcement the flooded area. The storms increased in see River Valley, Thunderstorm Wind (EG 52 kt)

A barn was damaged and power lines were down.

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
VANDERBURGH COUNTY 4.0 NNW E		EVANSVILLE [37	_	
	06/16/19 18:00 CST		2K	Thunderstorm Wind (EG 52 kt)
	06/16/19 18:07 CST		0	Source: Trained Spotter
hunderstorm winds gusted to near 60 m ower lines. Several miles east-southeas				vntown Evansville, a tree fell down on
GIBSON COUNTY 0.7 N PRINCETON		3, -87.53], 1.9 WN		
	06/16/19 18:20 CST		0	Flash Flood (due to Heavy Rain)
	06/16/19 23:00 CST		0	Source: Law Enforcement
lumerous roads were flooded in Princeto	n and between Patoka and Princetor	n. Water was over	portions of Old U.S	. Highway 41 near Princeton.
NKE COUNTY 2.0 NNE WINSLOW [38 SE AUGUSTA [38.33, -87.18]	3.41, -87.21], 2.0 NW CATO [38.45, -1	87.21], 1.8 NE CAT	O [38.45, -87.16], (0.3 SE PIKEVILLE [38.32, -87.12], 0.1
502 A00001A [00.00, -07.10]	06/16/19 18:30 EST		0	Flash Flood (due to Heavy Rain)
	06/16/19 23:00 EST		0	Source: Broadcast Media
a main water line was washed out four m drains into the Patoka River.	iles northeast of Winslow, near Cato.	Creeks were out o	of their banks, inclu	ding Cup Creek within a mile of where
SPENCER COUNTY SANTA CLAUS [
	06/16/19 18:40 CST		1K	Thunderstorm Wind (EG 52 kt)
	06/16/19 18:40 CST		0	Source: State Official
s strong solar heating destabilized the lissouri to southwest Indiana. The mai linfall amounts over a short time perio ccurred with several of the storms as v	n impact associated with these stor d. Over four inches of rain occurred well. The environment was characte	ms was flash floo d in Pike County. I erized by moderate	ding. Several loca Damaging winds u e to strong instabil	tions picked up torrential p to around 60 mph ity and moderate wind
As strong solar heating destabilized the Missouri to southwest Indiana. The main rainfall amounts over a short time perio occurred with several of the storms as a shear. Effective bulk wind shear values over Missouri. PIKE COUNTY PETERSBURG [38.50,	n impact associated with these stor d. Over four inches of rain occurred well. The environment was characte of 25 to 40 knots were observed. Th	ms was flash floo d in Pike County. I prized by moderate he storms develop	ding. Several loca Damaging winds u e to strong instabil red east of a weak	tions picked up torrential p to around 60 mph lity and moderate wind low pressure center
as strong solar heating destabilized the lissouri to southwest Indiana. The main ainfall amounts over a short time perio ccurred with several of the storms as a hear. Effective bulk wind shear values ver Missouri.	n impact associated with these stor d. Over four inches of rain occurred well. The environment was characte of 25 to 40 knots were observed. Th -87.28], 3.4 NE OTWELL [38.48, -87	ms was flash floo d in Pike County. I prized by moderate he storms develop	ding. Several loca Damaging winds u to strong instabil red east of a weak 38.51, -87.08], 5.1	tions picked up torrential p to around 60 mph lity and moderate wind low pressure center NNW ALGIERS [38.55, -87.21], 2.4 NNE
As strong solar heating destabilized the Aissouri to southwest Indiana. The main ainfall amounts over a short time perio occurred with several of the storms as a shear. Effective bulk wind shear values over Missouri.	n impact associated with these stor d. Over four inches of rain occurred well. The environment was characte of 25 to 40 knots were observed. Th	ms was flash floo d in Pike County. I prized by moderate he storms develop	ding. Several loca Damaging winds u e to strong instabil red east of a weak	tions picked up torrential p to around 60 mph lity and moderate wind low pressure center
A tree was blown down. As strong solar heating destabilized the Missouri to southwest Indiana. The main rainfall amounts over a short time perio occurred with several of the storms as a shear. Effective bulk wind shear values over Missouri. PIKE COUNTY PETERSBURG [38.50, PETERSBURG [38.53, -87.26] Moderate flooding occurred on the White in the bottomlands were evacuated. Lives of water. Several small oil fields were inac was very similar to the February flood cre	n impact associated with these stor d. Over four inches of rain occurred well. The environment was character of 25 to 40 knots were observed. The -87.28], 3.4 NE OTWELL [38.48, -87 06/17/19 07:00 EST 06/30/19 17:00 EST River. At the Petersburg river gage, i stock were moved. Water was over S ccessible. Considerable amounts of f	rms was flash floo d in Pike County. I prized by moderate he storms develop 	ding. Several loca Damaging winds u to strong instabil ed east of a weak 38.51, -87.08], 5.1 20K 0.10M 25.10 feet on the 2 merous county roa	tions picked up torrential p to around 60 mph lity and moderate wind low pressure center NNW ALGIERS [38.55, -87.21], 2.4 NNE Flood (due to Heavy Rain) Source: River/Stream Gage 24th. Flood stage is 16 feet. River cabins ds were flooded, some by several feet
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Storm Data and Unusual Weather Phenomena - June 2019 Location Date/Time Deaths & Property & Event Type and Details Iniuries Crop Dmg 06/19/19 01:00 CST Flood (due to Heavy Rain) 0 0 06/30/19 23:59 CST Source: River/Stream Gage Minor flooding affected low-lying woods and fields near the river, including portions of New Harmonie State Park. GIBSON COUNTY --- 1.2 SW PATOKA [38.41, -87.60], 2.3 ENE EAST MT CARMEL [38.41, -87.69], 2.0 WNW LYLE [38.38, -87.68], 2.6 NE PRINCETON [38.38, -87.54], 2.7 ESE PATOKA [38.41, -87.53] 06/20/19 11:00 CST 0 Flood (due to Heavy Rain) 06/30/19 23:59 CST 20K Source: River/Stream Gage Moderate flooding occurred on the Patoka River. Fields and woodlands in the flood plain of the Patoka River were inundated. At the river gage near Princeton, the river crested at 22.24 feet on the 24th. Flood stage is 18 feet. WARRICK COUNTY --- 2.0 ESE NEWBURGH [37.94, -87.39], 4.7 SE YANKEETOWN [37.87, -87.24], 4.3 SSE YANKEETOWN [37.86, -87.27], 2.3 SE NEWBURGH [37.93, -87.39] 06/20/19 11:00 CST 0 Flood (due to Heavy Rain) ٥ Source: River/Stream Gage 06/27/19 18:00 CST Minor flooding occurred along the Ohio River. Low-lying woods and fields were flooded. POSEY COUNTY --- MT VERNON [37.93, -87.90], 0.9 SW HOVEY [37.89, -87.94], 0.4 WSW HOVEY [37.90, -87.94], 0.6 SW MT VERNON [37.92, -87.91] 06/21/19 14:00 CST 0 Flood (due to Heavy Rain) 06/29/19 12:00 CST 0 Source: River/Stream Gage Minor flooding occurred along the Ohio River, inundating low-lying fields and woodlands. The Wabash, White, Patoka, and Ohio Rivers rose back above flood stage late in the month. These river rises were in response to a series of nearly stationary fronts and outflow boundaries between the 16th and 24th. Numerous rounds of showers and storms occurred during this period. Rainfall totals during this time frame were between 3 and 6 inches. This round of river flooding was minor to moderate. The flooding continued into July at most locations. PIKE COUNTY --- 1.8 ESE PIKEVILLE [38.31, -87.09], 9.0 SE WINSLOW [38.29, -87.10], 1.4 NNE STENDAL [38.29, -87.14], 0.4 WSW PIKEVILLE [38.32, -87.131 06/17/19 14:35 EST 0 Flood (due to Heavy Rain) 06/17/19 16:30 EST 0 Source: CoCoRaHS Southeast parts of Pike County experienced some flooding. Water was over county roads, and severe ponding occurred on Highway 64. Cup Creek was at bankful. A Cocorahs observer measured 0.80 inches in 30 minutes. Thunderstorms developed during the heat of the day across southern Illinois into southwest Indiana ahead of a disturbance in the upper levels of the atmosphere approaching from southwest Missouri. A surface frontal boundary was near and just north of Interstate 64. The combination of these features resulted in thunderstorms with locally heavy rain. GIBSON COUNTY --- PRINCETON [38.35, -87.57] 06/21/19 14:50 CST 6K Thunderstorm Wind (EG 56 kt) 06/21/19 14:50 CST 0 Source: Trained Spotter Power lines were down. A flag pole was bent. Tree limbs were broken. SPENCER COUNTY --- ROCKPORT [37.88, -87.05] 06/21/19 16:30 CST 10K Thunderstorm Wind (EG 56 kt) 06/21/19 16:30 CST 0 Source: Trained Spotter Trees and power lines were down. An organized line of severe thunderstorms formed over the central Plains states during the night of the 20th. This bowing line of storms progressed southeast across the St. Louis area during the midday hours, then down across the lower Ohio Valley during the afternoon. Isolated wind damage was reported in southwest Indiana. The atmosphere ahead of the storms became strongly unstable, with surface-based capes exceeding 4,000. Even though the region was under a broad 500 mb ridge, a moderately strong low-level feed of very moist and unstable air fueled the intense storms as they propagated southeastward. SPENCER COUNTY --- 3.0 NNE CHRISNEY [38.06, -87.01], 2.6 SSW SANTA CLAUS MUNI ARP [38.05, -86.94] 06/23/19 12:34 CST Thunderstorm Wind (EG 61 kt) 5K 06/23/19 12:34 CST 0 Source: Law Enforcement

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
everal trees were down on county roads b	between Chrisney and Santa Claus, i	including County I	Roads 1100 North	and 600 East.
KE COUNTY PETERSBURG [38.50, -8	37.28], WINSLOW [38.38, -87.22]			
	06/23/19 12:46 EST		20K	Thunderstorm Wind (EG 61 kt)
	06/23/19 12:46 EST		0	Source: Law Enforcement
merous trees and power lines were down	n north of Petersburg and in Winslow	V.		
couple of lines of thunderstorms forme nd. The storms occurred under a rather iortwave trough over the western high F th surface capes over 3000 j/kg.	r strong southwest wind flow ahead	d of a weak cold f	ront over far west	ern Missouri. A 500 mb
ANDERBURGH COUNTY 5.0 W DARM	ISTADT [38.10, -87.67], 0.5 E EVAN	SVILLE [37.98, -8	7.54]	
	06/30/19 18:35 CST		7K	Thunderstorm Wind (EG 52 kt)
	06/30/19 18:45 CST		0	Source: Trained Spotter
rong thunderstorm winds pushed southwa /ansville. A tree was down several miles v e Evansville airport was 55 mph, however line of thunderstorms sank southward a	west of Darmstadt. Several hundred r the airport was outside the damage	utility customers v e area.	vere without power	in the county. The peak wind gust at
omplex moved southward on the east single favorable environment for the storms to the storm store st	-		rm, moist, and uns	stable air mass provided
	V 127 00 - 90 471 2 4 WANN OSCAD	[27.45 90.001.0		
ALLARD COUNTY 1.3 SW HOLLOWA				EBROW [37.22, -88.98], 2.0 NW Flood (due to Heavy Rain) Source: River/Stream Gage
ALLARD COUNTY 1.3 SW HOLLOWA ANDANA [37.17, -88.98], 2.3 SSE EAST ("he Ohio River remained above flood stage ecords began at Cairo, Illinois in the late 1 noderate flood category. At this stage, the lowever, farmers never were able to plant come side roads near the river were floode oil. Seepage was a concern. Considerable	CAIRO [36.99, -89.13], 1.3 WNW EAS 06/01/19 00:00 CST 06/30/19 23:59 CST e since February 8 and through the n 800's. The highest recorded stage in flooding has a significant impact on f crops because this flood began in th d. Due to the extended duration of th	ST CAIRO [37.03, nonth of June. Th the month of Jun farming operation winter. Riversid he flooding, levee	-89.17] 10K 30K is was the most pro- e (2019) at Cairo v s in the flood plain, e parks and recrea s along the river we	Flood (due to Heavy Rain) Source: River/Stream Gage olonged flood on the Ohio River since vas 51.54 feet, which corresponds to the causing some farmers to lose crops. tional facilities remained underwater. ere very stressed from saturation of the
KENTUCKY, Southwest	CAIRO [36.99, -89.13], 1.3 WNW EAS 06/01/19 00:00 CST 06/30/19 23:59 CST e since February 8 and through the m 800's. The highest recorded stage in flooding has a significant impact on f crops because this flood began in th d. Due to the extended duration of th e flooding of low-lying woods, fields, a s of the Ohio River due to backwate inued through the spring and into e	ST CAIRO [37.03, nonth of June. Th the month of Jun farming operation ae winter. Riversid he flooding, levee and a wildlife mar er from the swoll early summer. Mo	-89.17] 10K 30K is was the most pro- e (2019) at Cairo v is in the flood plain, e parks and recrea s along the river we agement area pers- en Mississippi Riv- post locations were	Flood (due to Heavy Rain) Source: River/Stream Gage olonged flood on the Ohio River since vas 51.54 feet, which corresponds to the causing some farmers to lose crops. tional facilities remained underwater. ere very stressed from saturation of the sisted through the month. Moderate
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ALLARD COUNTY 1.3 SW HOLLOWA ANDANA [37.17, -88.98], 2.3 SSE EAST (he Ohio River remained above flood stage ecords began at Cairo, Illinois in the late 1 ioderate flood category. At this stage, the owever, farmers never were able to plant ome side roads near the river were floode oil. Seepage was a concern. Considerable boding continued on the lowest reaches tuck in a long-term wet pattern that cont ormal for the month of June. Some locat AVIESS COUNTY UTICA [37.62, -87.12 /ater was over Highway 140 East, just eas UHLENBERG COUNTY 2.4 SSE GREE	CAIRO [36.99, -89.13], 1.3 WNW EAS 06/01/19 00:00 CST 06/30/19 23:59 CST e since February 8 and through the n 800's. The highest recorded stage in flooding has a significant impact on f crops because this flood began in th id. Due to the extended duration of the flooding of low-lying woods, fields, a s of the Ohio River due to backwate inued through the spring and into e tions saw as much as 3 to 5 inches 2], 2.0 ENE RED HILL [37.63, -87.02] 06/06/19 16:00 CST 06/06/19 18:15 CST st of Utica.	ST CAIRO [37.03, nonth of June. Th the month of Jun farming operation winter. Riversid he flooding, levees and a wildlife mar er from the swoll arry summer. Mo more rainfall tha	-89.17] 10K 30K is was the most pro- e (2019) at Cairo v s in the flood plain, e parks and recrea s along the river we agement area pers- en Mississippi Riv post locations were n normal in June. L [37.60, -87.02], 1 0 0	Flood (due to Heavy Rain) Source: River/Stream Gage blonged flood on the Ohio River since vas 51.54 feet, which corresponds to the causing some farmers to lose crops. tional facilities remained underwater. ere very stressed from saturation of the sisted through the month. Moderate er. The region remained 1 to 2 inches above 1.7 S UTICA [37.60, -87.11] Flood (due to Heavy Rain) Source: Law Enforcement
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ALLARD COUNTY 1.3 SW HOLLOWA ANDANA [37.17, -88.98], 2.3 SSE EAST (the Ohio River remained above flood stage cords began at Cairo, Illinois in the late 11 oderate flood category. At this stage, the owever, farmers never were able to plant ome side roads near the river were floode bil. Seepage was a concern. Considerable boding continued on the lowest reaches uck in a long-term wet pattern that cont ormal for the month of June. Some locat AVIESS COUNTY UTICA [37.62, -87.12 'ater was over Highway 140 East, just eas UHLENBERG COUNTY 2.4 SSE GREE	CAIRO [36.99, -89.13], 1.3 WNW EAS 06/01/19 00:00 CST 06/30/19 23:59 CST e since February 8 and through the n 800's. The highest recorded stage in flooding has a significant impact on f crops because this flood began in th id. Due to the extended duration of the flooding of low-lying woods, fields, a s of the Ohio River due to backwate inued through the spring and into e tions saw as much as 3 to 5 inches 2], 2.0 ENE RED HILL [37.63, -87.02] 06/06/19 16:00 CST 06/06/19 18:15 CST st of Utica.	ST CAIRO [37.03, nonth of June. Th the month of Jun farming operation winter. Riversid he flooding, levees and a wildlife mar er from the swoll arry summer. Mo more rainfall tha	-89.17] 10K 30K is was the most pro- e (2019) at Cairo v s in the flood plain, e parks and recrea s along the river we agement area pers- en Mississippi Riv post locations were n normal in June. L [37.60, -87.02], 1 0 0	Flood (due to Heavy Rain) Source: River/Stream Gage blonged flood on the Ohio River since vas 51.54 feet, which corresponds to the causing some farmers to lose crops. tional facilities remained underwater. ere very stressed from saturation of the sisted through the month. Moderate er. The region remained 1 to 2 inches above 1.7 S UTICA [37.60, -87.11] Flood (due to Heavy Rain) Source: Law Enforcement
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ALLARD COUNTY 1.3 SW HOLLOWA ANDANA [37.17, -88.98], 2.3 SSE EAST (he Ohio River remained above flood stage ecords began at Cairo, Illinois in the late 1 ioderate flood category. At this stage, the owever, farmers never were able to plant ome side roads near the river were floode oil. Seepage was a concern. Considerable boding continued on the lowest reaches tuck in a long-term wet pattern that cont ormal for the month of June. Some locat AVIESS COUNTY UTICA [37.62, -87.12 /ater was over Highway 140 East, just eas UHLENBERG COUNTY 2.4 SSE GREE	CAIRO [36.99, -89.13], 1.3 WNW EAS 06/01/19 00:00 CST 06/30/19 23:59 CST e since February 8 and through the n 800's. The highest recorded stage in flooding has a significant impact on f crops because this flood began in th id. Due to the extended duration of the flooding of low-lying woods, fields, a s of the Ohio River due to backwated inued through the spring and into e tions saw as much as 3 to 5 inches 2], 2.0 ENE RED HILL [37.63, -87.02] 06/06/19 16:00 CST 06/06/19 18:15 CST st of Utica. ENVILLE [37.17, -87.16], 3.0 E GREE 06/06/19 17:25 CST 06/06/19 20:00 CST	ST CAIRO [37.03, nonth of June. Th the month of Jun farming operation winter. Riversid he flooding, levees and a wildlife mar er from the swoll arry summer. Mo more rainfall tha], 2.1 SE RED HIL	-89.17] 10K 30K is was the most pro- e (2019) at Cairo v is in the flood plain, e parks and recrea s along the river we agement area pers- en Mississippi Riv- post locations were n normal in June. L [37.60, -87.02], 1 0 0 87.13], 1.0 N GREE 0 0	Flood (due to Heavy Rain) Source: River/Stream Gage Monged flood on the Ohio River since vas 51.54 feet, which corresponds to the causing some farmers to lose crops. tional facilities remained underwater. ere very stressed from saturation of the sisted through the month. Moderate er. The region remained 1 to 2 inches above T.7 S UTICA [37.60, -87.11] Flood (due to Heavy Rain) Source: Law Enforcement ENVILLE [37.21, -87.18], 1.0 W Flood (due to Heavy Rain) Source: Trained Spotter

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/16/19 17:31 CST		5K	Thunderstorm Wind (EG 56 kt)
	06/16/19 17:34 CST		0	Source: Law Enforcement

Trees were down west and northwest of La Center.

As strong solar heating destabilized the atmosphere, numerous clusters of intense thunderstorms blossomed over southeast Missouri. As the storms moved east into western Kentucky, they weakened rather quickly. Before weakening, the storms produced isolated damaging winds up to around 60 mph in extreme western Kentucky. The storms occurred east of a weak low pressure center over Missouri.

GRAVES COUNTY SEDALIA [36.65, -88.60], TRI CITY [36.58, -88.53]			
06/19/19 15:10 CST	ЗK	Thunderstorm Wind (EG 52 kt)	
06/19/19 15:15 CST	0	Source: Law Enforcement	

A few trees were blown down in southeast Graves County near Sedalia and Tri City. Two of the trees were along Kentucky Route 97.

LYON COUNTY 1.0 NNE EDDYVI	LLE [37.06, -88.06]			
	06/19/19 15:19 CST	1K	Thunderstorm Wind (EG 52 kt)	
	06/19/19 15:19 CST	0	Source: Public	
A power line was down.				
CALLOWAY COUNTY MURRAY	ARPT [36.67, -88.37], 2.0 SSW MURRAY ARPT [3 06/19/19 15:23 CST	6.64, -88.38] 4K	Thunderstorm Wind (MG 56 kt)	
	06/19/19 15:27 CST	4K 0	Source: AWOS	
Winds gusted to 64 mph at the Murra	ay-Calloway County Airport. Two trees and power	lines were down on High	way 80 near the airport.	
CALLOWAY COUNTY 10.0 NE M	URRAY [36.72, -88.19]			
	06/19/19 15:35 CST	5K	Thunderstorm Wind (EG 56 kt)	
	06/10/10 15:35 CST	0	Source: Law Enforcement	

	06/19/19 15:35 CST	0	Source: Law Enforcement
Several trees were blown down.			
TRIGG COUNTY CANTON [36.80, -87.95]			
	06/19/19 15:49 CST	4K	Thunderstorm Wind (EG 56 kt)
	06/19/19 15:49 CST	0	Source: Law Enforcement

Trees were blown down.

Clusters and short lines of thunderstorms developed during the afternoon hours. Several of these were accompanied by damaging winds, measured up to 64 mph at the Murray, KY airport. The storms developed south of a surface low pressure center that gradually deepened as it tracked east along the Interstate 70 corridor from Missouri to Indiana. Thunderstorm development was enhanced by large-scale ascent pivoting from the Ozark Plateau into the lower Ohio Valley, ahead of a low amplitude mid-level trough. Daytime heating helped to increase instability, with mixed layer capes approaching 2000 J/kg. Vertical wind shear increased as 40 to 50-knot westerly winds gradually propagated eastward from the south central Plains.

	06/21/19 15:40 CST	1K	Thunderstorm Wind (EG 52 kt)
	06/21/19 15:40 CST	0	Source: Fire Department/Rescue
A tree was down on Highway 145.			
	7 05 00 051 2 0 SSE I A CENTED [27 04 09 07]		
BALLARD COUNTY BARLOW [3]	7.05, -89.05], 2.0 SSE LA CENTER [37.04, -88.97] 06/21/19 15:58 CST	0	Hail (3.40 in)

BALLARD COUNTY KEVIL [37.08, -88.90]			
	06/21/19 16:10 CST	4K	Thunderstorm Wind (EG 61 kt)
	06/21/19 16:10 CST	0	Source: Public

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Trees were uprooted. Large tree limbs were do	own.			
BALLARD COUNTY WICKLIFFE [36.97, -8	9.08]			
	06/21/19 16:15 CST		0	Hail (1.00 in)
	06/21/19 16:15 CST		0	Source: Public
MCCRACKEN COUNTY (PAH)BARKLEY A	• • •	CAH [37.08, -88.63]		
	06/21/19 16:16 CST		0.10M	Thunderstorm Wind (EG 65 kt)
	06/21/19 16:22 CST		0	Source: Other Federal Agency
Strong damaging winds struck parts of McCrac he Ohio River. On the north side of Paducah, of Paducah, and bricks were blown off an histo Regional Airport west of Paducah, a trailer was	about 175 feet of a 400-foot tall ric building downtown. Just outs	broadcasting towe	r was knocked dov	vn. Large trees were down in the city
DAVIESS COUNTY 0.9 NE OWENSBORO [37.78, -87.11]			
	06/21/19 16:21 CST		0	Thunderstorm Wind (EG 52 kt)
	06/21/19 16:21 CST		0	Source: Trained Spotter
A spotter estimated a gust to 60 mph.				
DAVIESS COUNTY 1.0 W OWENSBORO [3	7.77, -87.14]			
	06/21/19 16:23 CST		0	Hail (1.00 in)
	06/21/19 16:23 CST		0	Source: Trained Spotter
HOPKINS COUNTY 4.7 NE ANTON [37.39,	-87.311			
••••	06/21/19 16:25 CST		0	Thunderstorm Wind (MG 56 kt)
	06/21/19 16:25 CST		0	Source: Trained Spotter
CARLISLE COUNTY ARLINGTON [36.78, -	-		20K	Thundersterm Wind (EC 61 lt)
	06/21/19 16:38 CST			Thunderstorm Wind (EG 61 kt) Source: Public
	06/21/19 16:38 CST		0	Source: Public
Widespread tree and power line damage occur	red.			
GRAVES COUNTY PRYORSBURG [36.68,	-88.70], WATER VLY [36.57, -88	3.80]		
	06/21/19 16:39 CST		25K	Thunderstorm Wind (EG 65 kt)
	06/21/19 16:50 CST		0	Source: Public
Strong damaging winds affected southwest Gr At Water Valley, a tree fell on an unoccupied h	, , ,	front of a restaura	nt was damaged, a	and windows were blown out of cars.
	_E [36.99, -88.28]			
MARSHALL COUNTY 2.0 S GILBERTSVILI			75K	Thunderstorm Wind (EG 96 kt)
MARSHALL COUNTY 2.0 S GILBERTSVILI	06/21/19 16:42 CST		0	Source: NWS Storm Survey
MARSHALL COUNTY 2.0 S GILBERTSVILI	06/21/19 16:42 CST 06/21/19 16:42 CST		0	Source. NWO Storm Survey
A National Weather Service damage survey de	06/21/19 16:42 CST etermined a microburst occurred	at Kentucky Dam		
MARSHALL COUNTY 2.0 S GILBERTSVILI A National Weather Service damage survey de estimated at 110 mph. About 75 trees were sn MARSHALL COUNTY 2.0 S GILBERTSVILI	06/21/19 16:42 CST etermined a microburst occurred apped or uprooted.	-	Village, adjacent to	
A National Weather Service damage survey de estimated at 110 mph. About 75 trees were sn	06/21/19 16:42 CST etermined a microburst occurred apped or uprooted.	-	Village, adjacent to	

floor of the bay. These piers sustained major damage to roofs and connections between the piers. The piers which were connected to the shore were damaged, not only at the connection point between piers, but also at the connection to the shore. Electrical systems were destroyed along with gang planks between the shore and piers. There were four piers connected to the shore. The two piers that were damaged were the inside two piers, with the outside piers sustaining minor damage.

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/21/19 16:54 CST		0	Hail (1.75 in)
	06/21/19 16:54 CST		0	Source: Fire Department/Rescue
ring pong ball to golf ball size hail was reporte	ed by the fire department.			
ARSHALL COUNTY BENTON [36.87, -88				
	06/21/19 16:54 CST		0	Thunderstorm Wind (EG 61 kt)
	06/21/19 16:54 CST		0	Source: Fire Department/Rescue
wind gust to 70 mph was estimated by fire d	lepartment personnel.			
MARSHALL COUNTY HARDIN [36.77, -88.		8.13]		
	06/21/19 16:55 CST		5K	Thunderstorm Wind (EG 61 kt)
	06/21/19 17:05 CST		0	Source: Trained Spotter
Siding was blown off a house in Hardin. A trair .ake.	ned spotter estimated winds gust	ted to 60 mph at th	e Eggners Ferry B	ridge on U.S. Highway 68 at Kentucky
YON COUNTY 4.6 SSE EUREKA [36.96, -		13]	2014	Thunderatorm Wind (EC 70 14)
	06/21/19 16:58 CST 06/21/19 17:00 CST		30K 0	Thunderstorm Wind (EG 70 kt) Source: NWS Storm Survey
	00/21/18 17.00 031		U	Source. NYVO SLOTTI GUIVEY
Dozens of trees were snapped or uprooted in ncluded the Pisgah Bay area and the popular		tween The Lakes I	National Recreation	n Area. The area of tree damage
			11	
CALLOWAY COUNTY 3.0 SW KIRKSEY [3		OVE [36.61, -88.40	-	Thunderstorm Wind (EC 65 kt)
Vinds were estimated at 70 to 80 mph in parts	06/21/19 17:00 CST 06/21/19 17:04 CST s of western Calloway County. N	ear Kirksey, carpo	20K 0 rt anchors were rip	-
Ninds were estimated at 70 to 80 mph in parts Near Lynn Grove, Kentucky Highway 94 at Ke	06/21/19 17:00 CST 06/21/19 17:04 CST s of western Calloway County. Nentucky 299 was blocked due to a 3.07], 3.6 S MONT [36.90, -88.05]	ear Kirksey, carpo a downed power lir	20K 0 rt anchors were rip ne. A power pole w	Source: Public ped from concrete. Trees were down. as snapped.
Ninds were estimated at 70 to 80 mph in parts Near Lynn Grove, Kentucky Highway 94 at Ke	06/21/19 17:00 CST 06/21/19 17:04 CST s of western Calloway County. No entucky 299 was blocked due to a 3.07], 3.6 S MONT [36.90, -88.05] 06/21/19 17:00 CST	ear Kirksey, carpo a downed power lir	20K 0 rt anchors were rip ne. A power pole w 50K	Source: Public ped from concrete. Trees were down. as snapped. Tornado (EF1, L: 1.47 mi , W: 150 yd)
Winds were estimated at 70 to 80 mph in parts Near Lynn Grove, Kentucky Highway 94 at Ke LYON COUNTY 3.4 SSW MONT [36.90, -88	06/21/19 17:00 CST 06/21/19 17:04 CST s of western Calloway County. Ne entucky 299 was blocked due to a 3.07], 3.6 S MONT [36.90, -88.05] 06/21/19 17:00 CST 06/21/19 17:02 CST	ear Kirksey, carpoi a downed power lir	20K 0 rt anchors were rip ne. A power pole w 50K 0	Source: Public ped from concrete. Trees were down. as snapped. Tornado (EF1, L: 1.47 mi , W: 150 yd) Source: NWS Storm Survey
Vinds were estimated at 70 to 80 mph in parts Near Lynn Grove, Kentucky Highway 94 at Ke YON COUNTY 3.4 SSW MONT [36.90, -88 The tornado began east of the Woodlands Tra County. Hundreds of trees, some very large, w akes National Recreation Area. Peak winds w struck in the Trigg County portion.	06/21/19 17:00 CST 06/21/19 17:04 CST s of western Calloway County. Ne entucky 299 was blocked due to a 3.07], 3.6 S MONT [36.90, -88.05] 06/21/19 17:00 CST 06/21/19 17:02 CST ace and Silver Trail Road junction vere snapped or uprooted. The p were estimated near 100 mph. M	ear Kirksey, carpor a downed power lin a downed power lin a and tracked south anth of this tornado lost of the path was	20K 0 rt anchors were rip ne. A power pole w 50K 0 neast along Silver [–] was in densely wo s in Lyon County, h	Source: Public ped from concrete. Trees were down. as snapped. Tornado (EF1, L: 1.47 mi , W: 150 yd) Source: NWS Storm Survey Trail Road before crossing into Trigg poded areas of the Land Between The nowever a popular tourist spot was
Winds were estimated at 70 to 80 mph in parts Near Lynn Grove, Kentucky Highway 94 at Ke TYON COUNTY 3.4 SSW MONT [36.90, -88 The tornado began east of the Woodlands Tra County. Hundreds of trees, some very large, w .akes National Recreation Area. Peak winds w struck in the Trigg County portion.	06/21/19 17:00 CST 06/21/19 17:04 CST s of western Calloway County. Ne entucky 299 was blocked due to a 3.07], 3.6 S MONT [36.90, -88.05] 06/21/19 17:00 CST 06/21/19 17:00 CST ace and Silver Trail Road junction vere snapped or uprooted. The p were estimated near 100 mph. M .90, -88.05], 3.8 W ROCKCASTL 06/21/19 17:02 CST	ear Kirksey, carpor a downed power lin a downed power lin a and tracked south anth of this tornado lost of the path was	20K 0 tt anchors were rip ne. A power pole w 50K 0 neast along Silver [–] was in densely wo s in Lyon County, h	Source: Public ped from concrete. Trees were down. as snapped. Tornado (EF1, L: 1.47 mi , W: 150 yd) Source: NWS Storm Survey Trail Road before crossing into Trigg poded areas of the Land Between The nowever a popular tourist spot was Tornado (EF1, L: 0.61 mi , W: 150 yd)
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CALLOWAY COUNTY 3.0 SW KIRKSEY [3 Winds were estimated at 70 to 80 mph in parts Near Lynn Grove, Kentucky Highway 94 at Ke LYON COUNTY 3.4 SSW MONT [36.90, -88 The tornado began east of the Woodlands Tra County. Hundreds of trees, some very large, w Lakes National Recreation Area. Peak winds v struck in the Trigg County portion. TRIGG COUNTY 4.3 W ROCKCASTLE [36. The tornado continued into Trigg County from across Hematite Lake. This is a popular nature wooded areas. Hundreds of trees, some very l	06/21/19 17:00 CST 06/21/19 17:04 CST s of western Calloway County. Ne entucky 299 was blocked due to a 3.07], 3.6 S MONT [36.90, -88.05] 06/21/19 17:00 CST 06/21/19 17:00 CST 06/21/19 17:02 CST ace and Silver Trail Road junction were snapped or uprooted. The p were estimated near 100 mph. M .90, -88.05], 3.8 W ROCKCASTL 06/21/19 17:02 CST 06/21/19 17:03 CST Lyon County. Although the Trigg e-viewing area in the Land Betwee	ear Kirksey, carpoi a downed power lin a downed power lin a and tracked south thath of this tornado lost of the path was E [36.89, -88.04] g County portion of sen The Lakes Nat	20K 0 tt anchors were rip te. A power pole w 50K 0 the ast along Silver ⁻¹ was in densely wo s in Lyon County, h 25K 0 the track was only ional Recreation A	Source: Public ped from concrete. Trees were down. as snapped. Tornado (EF1, L: 1.47 mi , W: 150 yd) Source: NWS Storm Survey Trail Road before crossing into Trigg poded areas of the Land Between The nowever a popular tourist spot was Tornado (EF1, L: 0.61 mi , W: 150 yd) Source: NWS Storm Survey about one-half mile, it tracked southeast rea. The entire track was through heavily
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Winds were estimated at 70 to 80 mph in parts Near Lynn Grove, Kentucky Highway 94 at Ke -YON COUNTY 3.4 SSW MONT [36.90, -88 -YON COUNTY 3.4 SSW MONT [36.90, -88 -YON COUNTY 3.4 SSW MONT [36.90, -88 	06/21/19 17:00 CST 06/21/19 17:04 CST s of western Calloway County. Nentucky 299 was blocked due to a 3.07], 3.6 S MONT [36.90, -88.05] 06/21/19 17:00 CST 06/21/19 17:00 CST 06/21/19 17:02 CST ace and Silver Trail Road junction were snapped or uprooted. The p were estimated near 100 mph. M .90, -88.05], 3.8 W ROCKCASTL 06/21/19 17:02 CST 06/21/19 17:02 CST 06/21/19 17:03 CST Lyon County. Although the Trigg e-viewing area in the Land Betwee large, were snapped or uprooted 88.02] 06/21/19 17:04 CST 06/21/19 17:04 CST Lake area of the Land Between	ear Kirksey, carpoi a downed power lin a and tracked south thath of this tornado lost of the path was E [36.89, -88.04] g County portion of sen The Lakes Nat I. Peak winds were	20K 0 tt anchors were rip he. A power pole w 50K 0 heast along Silver was in densely wo s in Lyon County, h 25K 0 the track was only ional Recreation A estimated near 10 20K 0	Source: Public ped from concrete. Trees were down. as snapped. Tornado (EF1, L: 1.47 mi , W: 150 yd) Source: NWS Storm Survey Trail Road before crossing into Trigg poded areas of the Land Between The nowever a popular tourist spot was Tornado (EF1, L: 0.61 mi , W: 150 yd) Source: NWS Storm Survey about one-half mile, it tracked southeast rea. The entire track was through heavily 10 mph. Thunderstorm Wind (EG 61 kt) Source: NWS Storm Survey

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down in Hazel.

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
TRIGG COUNTY 1.7 E FENTON [36.7	8, -88.07]			
	06/21/19 17:09 CST		0	Thunderstorm Wind (EG 56 kt)
	06/21/19 17:09 CST		0	Source: Trained Spotter
A trained spotter estimated a wind gust t	o 65 mph on The Trace near U.S. High	way 68.		
TRIGG COUNTY ROCKCASTLE [36.				
	06/21/19 17:10 CST		20K	Thunderstorm Wind (EG 61 kt)
	06/21/19 17:15 CST		0	Source: Trained Spotter
Trees were down around Trigg County. I	n Cadiz, a power line and tree limbs we	ere down.		
TRIGG COUNTY 2.3 E CADIZ [36.87,	-87.78], 2.1 NW CALEDONIA [36.84, -{	87.71]		
	06/21/19 17:22 CST		0.15M	Tornado (EF1, L: 4.35 mi , W: 200 yd)
	06/21/19 17:27 CST		0	Source: NWS Storm Survey
ines were downed, mainly from falling tr of Kings Chapel Road initially, then trave estimated near 95 mph.	eled along Cool Spring Cave Road befo			
TRIGG COUNTY 0.6 W MONTGOMEI	06/21/19 17:24 CST		0	Thunderstorm Wind (MG 61 kt)
	06/21/19 17:24 CST		0	Source: Broadcast Media
Highways 120 and 670 were closed by fl site. The public reported up to two inche		east of Providenc	0 0 e, and Highway 67	Flash Flood (due to Heavy Rain) Source: Emergency Manager 0 was closed near the Dotiki mine
CHRISTIAN COUNTY 0.3 W PEEDEE	[36.77, -87.66], 2.8 ENE HERNDON [3	6.74, -87.52]		
	06/21/19 17:31 CST		0.15M	Tornado (EF1, L: 7.59 mi , W: 175 yd)
	06/21/19 17:41 CST		0	Source: NWS Storm Survey
The tornado appeared to begin in a corn and a debris field was observed on High soffits and roofing. One small guest hous blown around the side of a barn (which it Highway 107. The tornado appears to ha	way 164. It then continued east/souther se was destroyed along Striped Bridge self sustained minor damage). Numerc	ast where a barn Road. The conter ous large trees we	collapsed. It damag its remained on the re snapped and up	ged around a dozen homes, mainly to e slab, but the roof and walls were prooted along the path. A tree blocked
CHRISTIAN COUNTY 0.6 ENE NEWS		HILL [36.80, -87.	-	
	06/21/19 17:31 CST		0.12M	Tornado (EF1, L: 0.96 mi , W: 75 yd)
	06/21/19 17:33 CST		0	Source: NWS Storm Survey
This EF-1 tornado appeared to start alor and blown into a field. Most of the damag path a house lost half of its roof. Peak wi	ge was on the south flank of the tornade	0		
CHRISTIAN COUNTY 5.0 NE HERND	ON [36.78, -87.51], (HOP)FT CAMPBE 06/21/19 17:40 CST	LL AAF [36.67, -8	7.50] 30K	Thunderstorm Wind (EG 65 kt)
	06/21/19 17:53 CST		0	Source: Emergency Manager
Widespread wind damage occurred sout building and roof damage occurred at a fiberglass pole was down. Many trees we measured at the Fort Campbell airfield.	power tool company. Trees were down	along Interstate 2	4 near mile marker	r 83. Seven miles west of Pembroke, a

TODD COUNTY 3.0 SSW TRENTON [36.68, - Several trees were down along Highway 104. A TODD COUNTY 1.6 NE SOUTH ZION [36.70, The tornado started along Hammacksville Road also uprooted and broke several large limbs off of Maximum winds were estimated near 85 mph. A severe weather outbreak occurred during the bover the central Plains states during the night during the midday hours, then down across the damage was reported in parts of western Kent	06/21/19 17:55 CST 06/21/19 17:55 CST vehicle was stuck between tree -87.26], 2.7 SW PINCHEM [36. 06/21/19 17:57 CST 06/21/19 18:01 CST south of Trenton. It tracked three of some trees. There is drone for	67, -87.23] ough cornfields, w		Thunderstorm Wind (EG 61 kt) Source: Law Enforcement Tornado (EF0, L: 2.81 mi , W: 60 yd) Source: NWS Storm Survey
TODD COUNTY 1.6 NE SOUTH ZION [36.70, The tornado started along Hammacksville Road liso uprooted and broke several large limbs off Maximum winds were estimated near 85 mph. A severe weather outbreak occurred during the over the central Plains states during the night luring the midday hours, then down across the	06/21/19 17:55 CST vehicle was stuck between tree -87.26], 2.7 SW PINCHEM [36. 06/21/19 17:57 CST 06/21/19 18:01 CST south of Trenton. It tracked three of some trees. There is drone for	67, -87.23] ough cornfields, w	0 5K 0 ith strong converge	Source: Law Enforcement Tornado (EF0, L: 2.81 mi , W: 60 yd) Source: NWS Storm Survey
TODD COUNTY 1.6 NE SOUTH ZION [36.70, The tornado started along Hammacksville Road also uprooted and broke several large limbs off Maximum winds were estimated near 85 mph. A severe weather outbreak occurred during the over the central Plains states during the night luring the midday hours, then down across the	vehicle was stuck between tree -87.26], 2.7 SW PINCHEM [36. 06/21/19 17:57 CST 06/21/19 18:01 CST south of Trenton. It tracked three of some trees. There is drone for the afternoon and early evening	67, -87.23] ough cornfields, w	5K 0 ith strong converge	Tornado (EF0, L: 2.81 mi , W: 60 yd) Source: NWS Storm Survey
DDD COUNTY 1.6 NE SOUTH ZION [36.70, ne tornado started along Hammacksville Road so uprooted and broke several large limbs off aximum winds were estimated near 85 mph. severe weather outbreak occurred during th rer the central Plains states during the night tring the midday hours, then down across th	-87.26], 2.7 SW PINCHEM [36. 06/21/19 17:57 CST 06/21/19 18:01 CST south of Trenton. It tracked thro of some trees. There is drone for the afternoon and early evening	67, -87.23] ough cornfields, w	0 ith strong converge	Source: NWS Storm Survey
e tornado started along Hammacksville Road so uprooted and broke several large limbs off aximum winds were estimated near 85 mph. severe weather outbreak occurred during th er the central Plains states during the night ring the midday hours, then down across th	06/21/19 17:57 CST 06/21/19 18:01 CST south of Trenton. It tracked thr of some trees. There is drone for the afternoon and early evening	ough cornfields, w	0 ith strong converge	Source: NWS Storm Survey
so uprooted and broke several large limbs off of aximum winds were estimated near 85 mph. severe weather outbreak occurred during th ver the central Plains states during the night uring the midday hours, then down across th	06/21/19 18:01 CST south of Trenton. It tracked thr of some trees. There is drone for the afternoon and early evening	ootage of the torna	0 ith strong converge	Source: NWS Storm Survey
so uprooted and broke several large limbs off of aximum winds were estimated near 85 mph. severe weather outbreak occurred during th ver the central Plains states during the night uring the midday hours, then down across th	of some trees. There is drone for each of the some trees. There is drone for the source of the sourc	ootage of the torna		ance noted within the downed corn. It
ver the central Plains states during the night uring the midday hours, then down across th		hours An organ	-	
eported in a few locations. The atmosphere a iven the strong buoyancy, wind profiles were alues were no higher than about 30 knots, an dge, a moderately strong low-level feed of ve	tucky, along with several weal head of the storms became st e sufficiently strong for wides id 0-1 km shear was about 20	of storms progres neast Missouri du c to moderately s rongly unstable, pread severe wea knots. Even thou	sed southeast ac ring the afternoor rong tornadoes. \ with surface-base ther. Deep-layer (i gh the region was	ross the St. Louis area n. Widespread wind /ery large hail was d capes exceeding 4,000. 0-6 km) wind shear under a broad 500 mb
NION COUNTY 3.1 NE RALEIGH [37.75, -8	8.03], 4.6 NE RALEIGH [37.77,	-88.01], 2.8 WNW	UNIONTOWN [37.	.79, -87.98], 1.8 W UNIONTOWN [37.77,
37.96]	06/22/19 11:00 CST		0	Flood (due to Heavy Rain)
	06/30/19 23:59 CST		20K	Source: River/Stream Gage
IUHLENBERG COUNTY 2.1 SSW PARADIS 37.40, -87.08], 1.1 NW MOORMAN [37.39, -87.1			=	7.33, -86.99], 3.9 ENE MOORMAN Flood (due to Heavy Rain) Source: River/Stream Gage
ICCRACKEN COUNTY 2.0 NNW CECIL [37.	13, -88.68], 1.5 E ROWLANDT	OWN [37.10, -88.6	0], 1.3 ESE ROWL	
ECIL [37.12, -88.70]	06/24/19 03:00 CST		0	Elood (due to Heavy Pain)
	06/30/19 23:59 CST		0 10K	Flood (due to Heavy Rain) Source: River/Stream Gage
The Ohio and Green Rivers rose back above fl stationary fronts and outflow boundaries betw period. Rainfall totals during this time frame w looded bottomland fields, woodlands, and pu looded. The flooding continued into July on t	veen the 16th and 24th. Numer vere between 3 and 6 inches. T blic park and recreation areas	ous rounds of sh This round of rive	owers and storms r flooding was mir	s occurred during this nor, consisting mostly of
HRISTIAN COUNTY OAK GROVE [36.67, -{	-		БV	Thunderstorm Wind (FO 56 kt)
	06/22/19 14:24 CST 06/22/19 14:24 CST		5K 0	Thunderstorm Wind (EG 56 kt) Source: Public
	00/22/13 14:24 001		U	
iding was peeled back from a house.				
VEBSTER COUNTY 0.6 E DIXON [37.52, -87 SHELTON [37.54, -87.78]	7.69], 0.4 SSW LISMAN [37.47,	-87.73], 2.6 SW L	SMAN [37.45, -87.	77], CLAY [37.48, -87.83], 2.6 SSE
- L· · · · · · · · · · · · · ·	06/22/19 15:48 CST		0	Flash Flood (due to Heavy Rain)
	06/22/19 19:30 CST		0	Source: Law Enforcement
	0. / D / 250 5	outhwest of Dixon		

In the wake of an early morning thunderstorm complex, a line of storms formed as a result of daytime heating in the clearing area behind the first complex. Wind profiles were sufficiently strong for an organized line of storms, which produced isolated strong wind gusts in the afternoon hours. The line moved very slowly in some areas, resulting in isolated flash flooding.

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/23/19 12:40 CST		5K	Thunderstorm Wind (EG 61 kt)
	06/23/19 12:40 CST		0	Source: Trained Spotter
Several trees were down, and power was out.				
CALLOWAY COUNTY MURRAY [36.62, -88.32]				
	06/23/19 12:43 CST		0	Hail (0.88 in)
	06/23/19 12:43 CST		0	Source: Public
MUHLENBERG COUNTY GREENVILLE [37.20,		37.00]	01/	
	06/23/19 12:45 CST		2K	Thunderstorm Wind (EG 52 kt)
	06/23/19 12:55 CST		0	Source: Law Enforcement
A tree was down near State Road 949 at Penrod. A	nother tree was down near	Greenville.		
CALLOWAY COUNTY 3.0 WNW KIRKSEY [36.7				
	06/23/19 12:50 CST		0	Funnel Cloud
	06/23/19 12:50 CST		0	Source: Public
DAVIESS COUNTY 3.0 NW OWENSBORO [37.8				
	06/23/19 13:13 CST		0	Hail (1.00 in)
	06/23/19 13:13 CST		0	Source: Trained Spotter
DAVIESS COUNTY ANDERSONVILLE [37.62, -{	37.08], KNOTTSVILLE [37.7	7, -86.90], THURS	TON [37.80, -87.0	3], STANLEY [37.82, -87.25], WEST
LOUISVILLE [37.70, -87.28]				
	06/23/19 13:15 CST		0	Flash Flood (due to Heavy Rain)
	06/23/19 19:00 CST		0	Source: Emergency Manager
Some road closures were reported due to flooding.				
CARLISLE COUNTY 2.1 NNW BARDWELL [36.		LL [36.90, -89.02]		
	06/23/19 15:20 CST		20K	Tornado (EF1, L: 0.93 mi , W: 100 yd)
	06/23/19 15:21 CST		0	Source: NWS Storm Survey
Numerous trees were uprooted and snapped by this the first of three tornadoes that were spawned along				rere estimated near 110 mph. This was
· · · · · · · · · · · · · · · · · · ·			ouil alea.	
BALLARD COUNTY 1.0 SW BLANDVILLE [36.9	4, -88.96], 2.6 SE SLATER 06/23/19 15:26 CST	[36.99, -88.95]	10K	Thunderstorm Wind (EG 61 kt)
	06/23/19 15:28 CST		0	Source: Public
Just southwest of Blandville, two trees were snappe		a home near Slate		
CARLISLE COUNTY 1.5 WNW MAGEE SPGS [3	6.93, -88.94], 1.4 WNW MA 06/23/19 15:27 CST	GEE SPGS [36.93	, -88.94] 5K	Tornado (EF1, L: 0.15 mi , W: 150 yd)
	06/23/19 15:28 CST		0	Source: NWS Storm Survey
	t were spawned along a par			
110 mph. This tornado was the second of three tha		OVELACEVILLE [3	6.97, -88.82]	
Trees were snapped and uprooted by this very brie 110 mph. This tornado was the second of three tha BALLARD COUNTY 1.4 WSW LOVELACEVILLE		OVELACEVILLE [3	6.97, -88.82] 5K	Tornado (EF1, L: 1.30 mi , W: 150 yd)
110 mph. This tornado was the second of three tha	E [36.96, -88.84], 0.1 SW LC	OVELACEVILLE [3		Tornado (EF1, L: 1.30 mi , W: 150 yd) Source: NWS Storm Survey
110 mph. This tornado was the second of three tha BALLARD COUNTY 1.4 WSW LOVELACEVILLE	E [36.96, -88.84], 0.1 SW LC 06/23/19 15:33 CST 06/23/19 15:35 CST	-	5K 0	Source: NWS Storm Survey
110 mph. This tornado was the second of three tha BALLARD COUNTY 1.4 WSW LOVELACEVILLE The tornado touched down near Lovelaceville in Ba	E [36.96, -88.84], 0.1 SW LC 06/23/19 15:33 CST 06/23/19 15:35 CST illard County, but the vast m	najority of the track	5K 0 was in McCracker	Source: NWS Storm Survey n County. This tornado uprooted and
110 mph. This tornado was the second of three tha BALLARD COUNTY 1.4 WSW LOVELACEVILLE	E [36.96, -88.84], 0.1 SW LC 06/23/19 15:33 CST 06/23/19 15:35 CST Illard County, but the vast m cken County. The tornado o	najority of the track crossed U.S. Highv	5K 0 was in McCracker vay 62 near the so	Source: NWS Storm Survey n County. This tornado uprooted and outh edge of Lovelaceville. Peak winds in

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/23/19 15:35 CST		10K	Thunderstorm Wind (EG 70 kt)
	06/23/19 15:35 CST		0	Source: NWS Storm Survey

Part of the roof of an old barn was blown off. The top of a silo was torn off.

MCCRACKEN COUNTY 4.2 SSW CAMMELIA [36.97, -88.82], 1.0 ENE WOODLAWN [37.06, -88.55]					
06/23/19 15:35 CST	0.50M	Tornado (EF1, L: 15.98 mi , W: 150 yd)			
06/23/19 15:53 CST	0	Source: NWS Storm Survey			

This tornado tracked from Ballard County east-northeast across McCracken County. The tornado stayed mainly over rural farm country of southwest McCracken County until it crossed the Lone Oak and Hendron communities near Paducah. The tornado finally dissipated as it crossed the south side of Paducah, a few miles northwest of Reidland. Although there was some minor roof damage to homes along the path, almost all of the damage was done to large, mature trees. Hundreds of trees were snapped or uprooted (50/50). Several sheds and outbuildings were damaged. Grain bins and barns were damaged on farms in rural southwest parts of the county. On the south side of Paducah, windows were blown out of a strip mall, signage to a business was destroyed, and there was roof damage to a former church. The two main areas of significant damage were along Gum Springs Road (near Lone Oak) and in the Hendron area. A large swath of straight-line damaging winds (up to 110 mph) paralleled the track about one-half mile south from the inception of the tornado until about Interstate 24, where they merged over the Hendron area and became a single smaller path to the south side of Paducah. Peak winds in the tornado were also estimated near 110 mph.

GRAVES COUNTY FANCY FARM [36.80, -88.78], 2.0 ENE FANCY FARM [36.81, -88.75]					
06/23/19 15:37 CST	8K	Thunderstorm Wind (EG 70 kt)			
06/23/19 15:40 CST	0	Source: NWS Storm Survey			

A National Weather Service storm survey found scattered tree damage in and near Fancy Farm. Several trees had large broken limbs or were uprooted. One house sustained gutter and roof damage from falling limbs. Estimated peak winds were 80 mph.

BALLARD COUNTY 3.0 NNE GA	GE [37.02, -88.86]			
	06/23/19 15:38 CST	ЗK	Thunderstorm Wind (EG 56 kt)	
	06/23/19 15:38 CST	0	Source: Public	
Tree damage occurred off State Roa	d 2532 near the McCracken County line.			
GRAVES COUNTY 2.0 W HICKO	RY [36.82, -88.67], HICKORY [36.82, -88.63]			
	06/23/19 15:45 CST	50K	Thunderstorm Wind (EG 78 kt)	

A microburst containing winds near 90 mph struck the Hickory area. Numerous large tree limbs and trees were down. An empty semi truck was overturned at a large chicken processing plant at Hickory. A large section of the east wall of a metal building was blown out after garage doors on the west side were opened by the wind. The damage swath was approximately 1.3 miles long and up to 250 yards wide.

MCCRACKEN COUNTY 4.0 W PADUCAH [37.08, -88.70]					
06/23/19 15:49 CST	15K	Thunderstorm Wind (MG 54 kt)			
06/23/19 15:49 CST	0	Source: Trained Spotter			

About four miles west of Paducah, a wind gust to 62 mph was measured by a trained spotter. Downed trees and power lines blocked Kentucky Highway 305 between Interstate 24 and Highway 358 for several hours.

GRAVES COUNTY 5.0 SW SYN	ISONIA [36.87, -88.58]		
	06/23/19 15:53 CST	5K	Thunderstorm Wind (EG 61 kt)
	06/23/19 15:53 CST	0	Source: Public
Trees were down.			
MCCRACKEN COUNTY REIDL		01/	
	06/23/19 15:53 CST	ЗK	Thunderstorm Wind (EG 56 kt)
	06/23/19 15:53 CST	0	Source: Public
A large tree fell onto a fence and th	ne side of a house. Soffit was blown off a home.		
LIVINGSTON COUNTY 0.5 NW	SMITHLAND [37.13, -88.41], 0.8 N SMITHLAND [37.	14, -88.40]	
	06/23/19 16:02 CST	0.10M	Tornado (EF1, L: 0.50 mi , W: 140 yd)
	06/23/19 16:03 CST	0	Source: NWS Storm Survey

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
This tornado began on the south side of town and minor roof damage. Large trees were snapped, ar winds were estimated near 110 mph.			-	-
LIVINGSTON COUNTY 1.6 W VICKSBURG [37		KSBURG [37.19, -88	-	Terrada (FF1 1 + 0.70 mi - 10/, 125 v/d)
	06/23/19 16:07 CST 06/23/19 16:08 CST		20K 0	Tornado (EF1, L: 0.79 mi , W: 125 yd) Source: NWS Storm Survey
Numerous trees were uprooted and snapped alon Smithland. Peak winds were estimated near 110 r	g the three-quarter mile pa	th. The tornado was		
MARSHALL COUNTY CALVERT CITY [37.03,	-88.35], 4.0 NE BENTON [3 06/23/19 16:07 CST	36.91, -88.30]	5K	Thunderstorm Wind (EG 65 kt)
	06/23/19 16:07 CST		0	Source: NWS Storm Survey
A line of thunderstorms downed some trees acros imbs were broken. At Calvert City, a tree was upr	-	/. About four miles n	ortheast of Benton	, a tree was uprooted, and a few large
MARSHALL COUNTY 4.5 ESE TATUMSVILLE	[36.92, -88.22], 4.7 N FAIF 06/23/19 16:13 CST	RDEALING [36.92, -8	8.22] 1M	Tornado (EF1, L: 0.23 mi , W: 50 yd)
	06/23/19 16:14 CST		0	Source: NWS Storm Survey
LIVINGSTON COUNTY BURNA [37.25, -88.37]	, SALEM [37.27, -88.25] 06/23/19 16:15 CST 06/23/19 16:20 CST		30K 0	Thunderstorm Wind (EG 65 kt) Source: Public
A line of thunderstorms produced pockets of wind	06/23/19 16:15 CST 06/23/19 16:20 CST damage in northern Living	-	0 ntown Salem, wind	Source: Public
LIVINGSTON COUNTY BURNA [37.25, -88.37] A line of thunderstorms produced pockets of wind Large trees were uprooted and power lines were of WEBSTER COUNTY 2.0 W PROVIDENCE [37.	06/23/19 16:15 CST 06/23/19 16:20 CST damage in northern Living down in and near Salem. A 40, -87.81], PROVIDENCE	large tree was dowr	0 ntown Salem, wind at Burna.	Source: Public
A line of thunderstorms produced pockets of wind Large trees were uprooted and power lines were o	06/23/19 16:15 CST 06/23/19 16:20 CST damage in northern Living down in and near Salem. A	large tree was dowr	0 ntown Salem, wind	Source: Public
A line of thunderstorms produced pockets of wind Large trees were uprooted and power lines were o	06/23/19 16:15 CST 06/23/19 16:20 CST damage in northern Living down in and near Salem. A 40, -87.81], PROVIDENCE 06/23/19 16:41 CST 06/23/19 16:44 CST and uprooted a few trees a	[37.40, -87.77] s it moved east throu	0 ntown Salem, wind at Burna. 30K 0 ugh Providence. La	Source: Public lows were blown out of a business. Thunderstorm Wind (EG 65 kt) Source: NWS Storm Survey arge trees and power lines were down,
A line of thunderstorms produced pockets of wind Large trees were uprooted and power lines were of WEBSTER COUNTY 2.0 W PROVIDENCE [37. A microburst snapped numerous large tree limbs a including trees on houses. In particular, numerous	06/23/19 16:15 CST 06/23/19 16:20 CST damage in northern Living down in and near Salem. A 40, -87.81], PROVIDENCE 06/23/19 16:41 CST 06/23/19 16:44 CST and uprooted a few trees a 5 trees were down in the Ba	[37.40, -87.77] [37.40, east through the set of the set	0 ntown Salem, wind a ta Burna. 30K 0 ugh Providence. La west side of town.	Source: Public lows were blown out of a business. Thunderstorm Wind (EG 65 kt) Source: NWS Storm Survey arge trees and power lines were down,
A line of thunderstorms produced pockets of wind Large trees were uprooted and power lines were of WEBSTER COUNTY 2.0 W PROVIDENCE [37. A microburst snapped numerous large tree limbs a including trees on houses. In particular, numerous	06/23/19 16:15 CST 06/23/19 16:20 CST damage in northern Living down in and near Salem. A 40, -87.81], PROVIDENCE 06/23/19 16:41 CST 06/23/19 16:44 CST and uprooted a few trees a trees were down in the Ba	[37.40, -87.77] s it moved east throu	0 ntown Salem, wind at Burna. 30K 0 ugh Providence. La	Source: Public lows were blown out of a business. Thunderstorm Wind (EG 65 kt) Source: NWS Storm Survey arge trees and power lines were down,
A line of thunderstorms produced pockets of wind Large trees were uprooted and power lines were of WEBSTER COUNTY 2.0 W PROVIDENCE [37. A microburst snapped numerous large tree limbs a including trees on houses. In particular, numerous CALLOWAY COUNTY MURRAY [36.62, -88.32 Eyewitnesses observed lightning strike next to a v	06/23/19 16:15 CST 06/23/19 16:20 CST damage in northern Living down in and near Salem. A 40, -87.81], PROVIDENCE 06/23/19 16:41 CST 06/23/19 16:44 CST and uprooted a few trees a trees were down in the Ba	Iarge tree was down [37.40, -87.77] s it moved east throu aptist Hill area on the 1	0 ntown Salem, wind a t Burna. 30K 0 ugh Providence. La west side of town.	Source: Public lows were blown out of a business. Thunderstorm Wind (EG 65 kt) Source: NWS Storm Survey arge trees and power lines were down, Lightning Source: Trained Spotter
A line of thunderstorms produced pockets of wind Large trees were uprooted and power lines were of WEBSTER COUNTY 2.0 W PROVIDENCE [37. A microburst snapped numerous large tree limbs a including trees on houses. In particular, numerous CALLOWAY COUNTY MURRAY [36.62, -88.32 Eyewitnesses observed lightning strike next to a v was administered, and she died shortly thereafter	06/23/19 16:15 CST 06/23/19 16:20 CST damage in northern Living down in and near Salem. A 40, -87.81], PROVIDENCE 06/23/19 16:41 CST 06/23/19 16:44 CST and uprooted a few trees a trees were down in the Ba	Iarge tree was down [37.40, -87.77] s it moved east throu aptist Hill area on the 1	0 ntown Salem, wind a t Burna. 30K 0 ugh Providence. La west side of town.	Source: Public lows were blown out of a business. Thunderstorm Wind (EG 65 kt) Source: NWS Storm Survey arge trees and power lines were down, Lightning Source: Trained Spotter
A line of thunderstorms produced pockets of wind Large trees were uprooted and power lines were of WEBSTER COUNTY 2.0 W PROVIDENCE [37 . A microburst snapped numerous large tree limbs a including trees on houses. In particular, numerous CALLOWAY COUNTY MURRAY [36.62, -88.32 Eyewitnesses observed lightning strike next to a w was administered, and she died shortly thereafter Direct Fatalities: F50OU	06/23/19 16:15 CST 06/23/19 16:20 CST damage in northern Living down in and near Salem. A 40, -87.81], PROVIDENCE 06/23/19 16:41 CST 06/23/19 16:44 CST and uprooted a few trees a trees were down in the Ba 06/23/19 16:45 CST 06/23/19 16:45 CST 06/23/19 16:45 CST voman on the campus of M at a Tennessee hospital.	Iarge tree was down [37.40, -87.77] s it moved east throu aptist Hill area on the 1	0 ntown Salem, wind a t Burna. 30K 0 ugh Providence. La west side of town. 0 0 y. The 50-year-old	Source: Public lows were blown out of a business. Thunderstorm Wind (EG 65 kt) Source: NWS Storm Survey arge trees and power lines were down, Lightning Source: Trained Spotter
A line of thunderstorms produced pockets of wind Large trees were uprooted and power lines were of WEBSTER COUNTY 2.0 W PROVIDENCE [37. A microburst snapped numerous large tree limbs a including trees on houses. In particular, numerous CALLOWAY COUNTY MURRAY [36.62, -88.32 Eyewitnesses observed lightning strike next to a w was administered, and she died shortly thereafter Direct Fatalities: F50OU	06/23/19 16:15 CST 06/23/19 16:20 CST damage in northern Living down in and near Salem. A 40, -87.81], PROVIDENCE 06/23/19 16:41 CST 06/23/19 16:44 CST and uprooted a few trees a trees were down in the Ba 06/23/19 16:45 CST 06/23/19 16:45 CST voman on the campus of M at a Tennessee hospital.	Iarge tree was down [37.40, -87.77] s it moved east throu aptist Hill area on the 1	0 ntown Salem, wind at Burna. 30K 0 ugh Providence. La west side of town. 0 0 0 y. The 50-year-old	Source: Public lows were blown out of a business. Thunderstorm Wind (EG 65 kt) Source: NWS Storm Survey arge trees and power lines were down, Lightning Source: Trained Spotter I woman immediately collapsed. CPR
A line of thunderstorms produced pockets of wind Large trees were uprooted and power lines were of WEBSTER COUNTY 2.0 W PROVIDENCE [37. A microburst snapped numerous large tree limbs a	06/23/19 16:15 CST 06/23/19 16:20 CST damage in northern Living down in and near Salem. A 40, -87.81], PROVIDENCE 06/23/19 16:41 CST 06/23/19 16:44 CST and uprooted a few trees a trees were down in the Ba 06/23/19 16:45 CST 06/23/19 16:45 CST 06/23/19 16:45 CST voman on the campus of M at a Tennessee hospital.	Iarge tree was down [37.40, -87.77] s it moved east throu aptist Hill area on the 1	0 ntown Salem, wind a t Burna. 30K 0 ugh Providence. La west side of town. 0 0 y. The 50-year-old	Source: Public lows were blown out of a business. Thunderstorm Wind (EG 65 kt) Source: NWS Storm Survey arge trees and power lines were down, Lightning Source: Trained Spotter
A line of thunderstorms produced pockets of wind Large trees were uprooted and power lines were of WEBSTER COUNTY 2.0 W PROVIDENCE [37 . A microburst snapped numerous large tree limbs a including trees on houses. In particular, numerous CALLOWAY COUNTY MURRAY [36.62, -88.32 Eyewitnesses observed lightning strike next to a w was administered, and she died shortly thereafter Direct Fatalities: F50OU	06/23/19 16:15 CST 06/23/19 16:20 CST damage in northern Living down in and near Salem. A 40, -87.81], PROVIDENCE 06/23/19 16:41 CST 06/23/19 16:44 CST and uprooted a few trees a trees were down in the Ba 06/23/19 16:45 CST 06/23/19 16:45 CST voman on the campus of M at a Tennessee hospital. 06/23/19 16:52 CST 06/23/19 16:52 CST	Iarge tree was down [37.40, -87.77] s it moved east throu aptist Hill area on the 1	0 ntown Salem, wind at Burna. 30K 0 ugh Providence. La west side of town. 0 0 0 y. The 50-year-old	Source: Public lows were blown out of a business. Thunderstorm Wind (EG 65 kt) Source: NWS Storm Survey arge trees and power lines were down, Lightning Source: Trained Spotter I woman immediately collapsed. CPR
A line of thunderstorms produced pockets of wind Large trees were uprooted and power lines were of WEBSTER COUNTY 2.0 W PROVIDENCE [37. A microburst snapped numerous large tree limbs a including trees on houses. In particular, numerous CALLOWAY COUNTY MURRAY [36.62, -88.32 Eyewitnesses observed lightning strike next to a w was administered, and she died shortly thereafter Direct Fatalities: F50OU HOPKINS COUNTY BEULAH [37.27, -87.68]	06/23/19 16:15 CST 06/23/19 16:20 CST damage in northern Living down in and near Salem. A 40, -87.81], PROVIDENCE 06/23/19 16:41 CST 06/23/19 16:44 CST and uprooted a few trees a trees were down in the Ba 06/23/19 16:45 CST 06/23/19 16:45 CST voman on the campus of M at a Tennessee hospital. 06/23/19 16:52 CST 06/23/19 16:52 CST Road. 27, -87.50], HANSON [37.4	large tree was down [37.40, -87.77] s it moved east throu aptist Hill area on the 1 lurray State Universit	0 ntown Salem, wind at Burna. 30K 0 ugh Providence. La west side of town. 0 0 0 y. The 50-year-old 1K 0	Source: Public lows were blown out of a business. Thunderstorm Wind (EG 65 kt) Source: NWS Storm Survey arge trees and power lines were down, Lightning Source: Trained Spotter I woman immediately collapsed. CPR Thunderstorm Wind (EG 52 kt) Source: Public
A line of thunderstorms produced pockets of wind Large trees were uprooted and power lines were of WEBSTER COUNTY 2.0 W PROVIDENCE [37. A microburst snapped numerous large tree limbs a including trees on houses. In particular, numerous CALLOWAY COUNTY MURRAY [36.62, -88.32 Eyewitnesses observed lightning strike next to a w was administered, and she died shortly thereafter Direct Fatalities: F50OU HOPKINS COUNTY BEULAH [37.27, -87.68] A tree was down near Highway 70 and Sixth Vein	06/23/19 16:15 CST 06/23/19 16:20 CST damage in northern Living down in and near Salem. A 40, -87.81], PROVIDENCE 06/23/19 16:41 CST 06/23/19 16:44 CST and uprooted a few trees a trees were down in the Ba 06/23/19 16:45 CST 06/23/19 16:45 CST voman on the campus of M at a Tennessee hospital. 06/23/19 16:52 CST 06/23/19 16:52 CST Road.	large tree was down [37.40, -87.77] s it moved east throu aptist Hill area on the 1 lurray State Universit	0 ntown Salem, wind at Burna. 30K 0 ugh Providence. La west side of town. 0 0 0 y. The 50-year-old	Source: Public lows were blown out of a business. Thunderstorm Wind (EG 65 kt) Source: NWS Storm Survey arge trees and power lines were down, Lightning Source: Trained Spotter I woman immediately collapsed. CPR

trees were down in Madisonville. A wind gust to 62 mph was measured at a mesonet site four miles south of Madisonville.

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
HENDERSON COUNTY ROBARDS [37.67,				
	06/23/19 17:20 CST		1K	Thunderstorm Wind (EG 52 kt)
	06/23/19 17:20 CST		0	Source: Emergency Manager
Vires were down.				
ICLEAN COUNTY LIVERMORE [37.48, -8		D, -87.10]	514	
	06/23/19 17:23 CST		5K	Thunderstorm Wind (EG 61 kt)
	06/23/19 17:26 CST		0	Source: Public
n Livermore, a tree was down on a house. Th /ears old was uprooted.	e roof was torn off a tool shed. A	couple miles north	neast of Livermore	, a large tree that was 100 to 150
MUHLENBERG COUNTY MOORMAN [37.3	38, -87.15]			
	06/23/19 17:26 CST		1K	Thunderstorm Wind (EG 52 kt)
	06/23/19 17:26 CST		0	Source: Public
A large tree was down.				
CHRISTIAN COUNTY HERNDON [36.73, -8	87.57], OAK GROVE [36.67, -87.4	13]		
	06/23/19 17:35 CST		5K	Thunderstorm Wind (EG 61 kt)
	06/23/19 17:45 CST		0	Source: Public
Trees were snapped in the Herndon and Oak	Grove area A shed was domage	d		
then tracked east across western Kentucky this line, in addition to scattered pockets of weak cold front over far western Missouri. A	wind damage. The storms occu 500 mb shortwave trough over	n the evening. Se rred under a rathe the western high	veral EF-1 tornado er strong southwe	bes were associated with st wind flow ahead of a
then tracked east across western Kentucky this line, in addition to scattered pockets of weak cold front over far western Missouri. A for the storms. The air mass was strongly u	late in the afternoon and early in wind damage. The storms occu 500 mb shortwave trough over nstable, with surface capes over	n the evening. Se rred under a rathe the western high	veral EF-1 tornado er strong southwe Plains provided s	bes were associated with st wind flow ahead of a some additional support
then tracked east across western Kentucky this line, in addition to scattered pockets of weak cold front over far western Missouri. A for the storms. The air mass was strongly u	late in the afternoon and early in wind damage. The storms occu 500 mb shortwave trough over nstable, with surface capes over ARPT PA [37.07, -88.77]	n the evening. Se rred under a rathe the western high	veral EF-1 tornado er strong southwe	bes were associated with st wind flow ahead of a
then tracked east across western Kentucky this line, in addition to scattered pockets of weak cold front over far western Missouri. A for the storms. The air mass was strongly un MCCRACKEN COUNTY (PAH)BARKLEY A	late in the afternoon and early in wind damage. The storms occu 500 mb shortwave trough over instable, with surface capes over ARPT PA [37.07, -88.77] 06/26/19 17:40 CST 06/26/19 17:40 CST	n the evening. Se rred under a rathe the western high r 3000 j/kg.	veral EF-1 tornado er strong southwe Plains provided s 0 0	bes were associated with st wind flow ahead of a some additional support Thunderstorm Wind (MG 50 kt)
then tracked east across western Kentucky this line, in addition to scattered pockets of weak cold front over far western Missouri. A for the storms. The air mass was strongly un MCCRACKEN COUNTY (PAH)BARKLEY A A wind gust to 58 mph was measured at the a	late in the afternoon and early in wind damage. The storms occu 500 mb shortwave trough over instable, with surface capes over ARPT PA [37.07, -88.77] 06/26/19 17:40 CST 06/26/19 17:40 CST	n the evening. Se rred under a rathe the western high r 3000 j/kg.	veral EF-1 tornado er strong southwe Plains provided s 0 0	bes were associated with st wind flow ahead of a some additional support Thunderstorm Wind (MG 50 kt)
then tracked east across western Kentucky this line, in addition to scattered pockets of weak cold front over far western Missouri. A for the storms. The air mass was strongly un MCCRACKEN COUNTY (PAH)BARKLEY A A wind gust to 58 mph was measured at the a	late in the afternoon and early in wind damage. The storms occu 500 mb shortwave trough over instable, with surface capes over ARPT PA [37.07, -88.77] 06/26/19 17:40 CST 06/26/19 17:40 CST	n the evening. Se rred under a rathe the western high r 3000 j/kg.	veral EF-1 tornado er strong southwe Plains provided s 0 0	bes were associated with st wind flow ahead of a some additional support Thunderstorm Wind (MG 50 kt)
then tracked east across western Kentucky this line, in addition to scattered pockets of weak cold front over far western Missouri. A for the storms. The air mass was strongly un MCCRACKEN COUNTY (PAH)BARKLEY A A wind gust to 58 mph was measured at the a	late in the afternoon and early in wind damage. The storms occu 500 mb shortwave trough over instable, with surface capes over ARPT PA [37.07, -88.77] 06/26/19 17:40 CST 06/26/19 17:40 CST utomated observing system at Ba	n the evening. Se rred under a rathe the western high r 3000 j/kg.	veral EF-1 tornado er strong southwe Plains provided s 0 0	bes were associated with est wind flow ahead of a some additional support Thunderstorm Wind (MG 50 kt) Source: Official NWS Observations
then tracked east across western Kentucky this line, in addition to scattered pockets of weak cold front over far western Missouri. A for the storms. The air mass was strongly un MCCRACKEN COUNTY (PAH)BARKLEY A A wind gust to 58 mph was measured at the a GRAVES COUNTY WINGO [36.65, -88.73]	late in the afternoon and early in wind damage. The storms occu s 500 mb shortwave trough over instable, with surface capes over ARPT PA [37.07, -88.77] 06/26/19 17:40 CST 06/26/19 17:40 CST utomated observing system at Ba 06/26/19 18:09 CST 06/26/19 18:09 CST	n the evening. Se rred under a rath the western high r 3000 j/kg. arkley Regional Ai	veral EF-1 tornado er strong southwe Plains provided s 0 0 0 rport.	bes were associated with est wind flow ahead of a some additional support Thunderstorm Wind (MG 50 kt) Source: Official NWS Observations Hail (0.88 in)
then tracked east across western Kentucky this line, in addition to scattered pockets of weak cold front over far western Missouri. A for the storms. The air mass was strongly un MCCRACKEN COUNTY (PAH)BARKLEY A A wind gust to 58 mph was measured at the a GRAVES COUNTY WINGO [36.65, -88.73]	late in the afternoon and early in wind damage. The storms occu s 500 mb shortwave trough over instable, with surface capes over ARPT PA [37.07, -88.77] 06/26/19 17:40 CST 06/26/19 17:40 CST utomated observing system at Ba 06/26/19 18:09 CST 06/26/19 18:09 CST	n the evening. Se rred under a rath the western high r 3000 j/kg. arkley Regional Ai	veral EF-1 tornado er strong southwe Plains provided s 0 0 0 rport.	bes were associated with est wind flow ahead of a some additional support Thunderstorm Wind (MG 50 kt) Source: Official NWS Observations Hail (0.88 in)
then tracked east across western Kentucky this line, in addition to scattered pockets of weak cold front over far western Missouri. A for the storms. The air mass was strongly un MCCRACKEN COUNTY (PAH)BARKLEY A A wind gust to 58 mph was measured at the a GRAVES COUNTY WINGO [36.65, -88.73]	late in the afternoon and early in wind damage. The storms occu s 500 mb shortwave trough over instable, with surface capes over ARPT PA [37.07, -88.77] 06/26/19 17:40 CST 06/26/19 17:40 CST utomated observing system at Ba 06/26/19 18:09 CST 06/26/19 18:09 CST	n the evening. Se rred under a rath the western high r 3000 j/kg. arkley Regional Ai	veral EF-1 tornado er strong southwe Plains provided s 0 0 0 0 rport. 0 0 0	bes were associated with st wind flow ahead of a some additional support Thunderstorm Wind (MG 50 kt) Source: Official NWS Observations Hail (0.88 in) Source: Public
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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details	
nd moist air in advance of this vort	ier thunderstorms moved eastward a icity center contributed to strong ins rels of the atmosphere was sufficient	stability, with mixed-	ayer capes aroun	d 3000. Around 25 to 40	
CHRISTIAN COUNTY HOPKINSVI	LLE [36.85, -87.48]				
	06/29/19 15:45 CST		10K	Lightning	
	06/29/19 15:45 CST		0	Source: NWS Employee	
ightning struck a tree, causing it to fa	all on a house. There was moderate da	amage to the roof and	attic area.		
solated thunderstorms formed duri	ng the heat of the afternoon. A thund	lerstorm produced a	damaging lightni	ng strike.	
DAVIESS COUNTY OWENSBORO) [37.77, -87.12]				
	06/30/19 19:05 CST		10K	Thunderstorm Wind (EG 56 kt)	
	06/30/19 19:05 CST		0	Source: Fire Department/Rescue	
There were scattered reports of down	ed trees and power lines across the ci	ty.			
	of a mid-level high centered over Mis is to maintain their intensity into the	-	, and unstable air	mass provided a	
MISSOURI, Southeast					
CAPE GIRARDEAU COUNTY 3.4 E	ESE GULF JCT [37.25, -89.49], (CGI)C	APE GIRARDEAU [3	7 22 90 571 0 2 8	OUL F 107 107 07 00 551 4 5 005	
			/.23, -09.5/], 0.3 I	1 GULF JCT [37.27, -89.55], 1.5 SSE	
NEELYS LNDG [37.48, -89.49], 3.0 E					
	06/01/19 00:00 ČST 06/30/19 23:59 CST	-	0.20M 1M	Flood (due to Heavy Rain) Source: River/Stream Gage	
the 5th highest flood crest on record a above flood stage in mid March and s extensive flooding of low-lying farmlar roads were closed in the county. The as far west as Dutchtown and Allenvil 55 at exit 93. Facilities at riverfront pa	06/01/19 00:00 ČST 06/30/19 23:59 CST od occurred about mid month. At the 0 at Cape Girardeau, just slightly above 1	Cape Girardeau river the May 2011 flood b ner. The crests in Ap es were flooded, of wh deau was flooded. Flo cuees. Highway 74 w ound and boat ramp	0.20M 1M gage, the river cress at two feet below th il and May were no ich 14,000 acress vooding of the divers as closed, includin at Trail of Tears St	Flood (due to Heavy Rain) Source: River/Stream Gage sted at 46.36 feet on the 10th. This was he Great Flood of 1993. The river rose of as high as the June crest. There was were cropland. Over a dozen county sion channel floodplain affected areas g the on and off ramps from Interstate ate Park. Railroad tracks through the	
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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
which was the fifth highest crest or	major flooding above the confluence with n record. However, the river gage downriv a impacts were on cropland. County roads	er at New Madrid onl	y experienced min	or flooding. Mississippi County is
	ADRID [36.60, -89.53], 1.4 ESE PORTAC	-	-	E LINDA [36.44, -89.54], 6.3 ENE PT
-LEASANT [30.40, -09.40], 5.5 E E	3AYOUVILLE [36.64, -89.27], 1.7 NW BA 06/03/19 03:00 CST	100VILLE [30.67, -0	0	Flood (due to Heavy Rain)
	06/30/19 23:59 CST		30K	Source: River/Stream Gage
linor flooding of the Mississippi Ri	iver affected some cropland, as well as co	ounty roads near the	river.	
battern that continued through th Some locations saw as much as	s of the Mississippi River through the m le spring and into early summer. Most lo 3 to 5 inches more rainfall than normal i iddle part of the Mississippi, and anothe	ocations were 1 to 2 n June. Heavy rain i	inches above nor n the upper parts	mal for the month of June.
BOLLINGER COUNTY 5.0 NW 2	ZALMA [37.20, -90.14]			
	06/01/19 23:36 CST		1K	Thunderstorm Wind (EG 50 kt)
	06/01/19 23:36 CST		0	Source: Emergency Manager
A large tree blocked Highway Y. Th	he tree was cleared by a Missouri state ro	ad crew.		
hat developed on the back side o BUTLER COUNTY POPLAR BL	Lakes. The damaging wind occurred alo of a large thunderstorm complex over so 	outhwest Illinois.		
hat developed on the back side o	of a large thunderstorm complex over so 	outhwest Illinois.	0 W POPLAR BLU 0	IFF [36.75, -90.42], 1.1 SW POPLAR Flood (due to Heavy Rain)
hat developed on the back side o BUTLER COUNTY POPLAR BL BLUFF [36.74, -90.42]	of a large thunderstorm complex over so 	Duthwest Illinois.	0 W POPLAR BLU 0 0	IFF [36.75, -90.42], 1.1 SW POPLAR Flood (due to Heavy Rain) Source: Emergency Manager
hat developed on the back side o BUTLER COUNTY POPLAR BL BLUFF [36.74, -90.42]	of a large thunderstorm complex over so 	Duthwest Illinois.	0 W POPLAR BLU 0 0	IFF [36.75, -90.42], 1.1 SW POPLAR Flood (due to Heavy Rain) Source: Emergency Manager
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hat developed on the back side of BUTLER COUNTY POPLAR BL BLUFF [36.74, -90.42] Emergency management personne Slow-moving thunderstorms with daytime heating of a very moist a a fetch of tropical moisture from the CARTER COUNTY 2.0 S HUNTH BUTLER COUNTY ROMBAUER A trained spotter estimated winds of SCOTT COUNTY COMMERCE	of a large thunderstorm complex over so UFF [36.75, -90.40], 1.0 N POPLAR BLU 06/06/19 15:50 CST 06/06/19 15:50 CST 06/06/19 18:00 CST el reported urban and small stream floodir overy heavy rain caused isolated minor ir mass. A low pressure system drifted in the Gulf of Mexico. ER [36.85, -90.85] 06/16/19 14:18 CST 06/16/19 14:18 CST 06/16/19 15:50 CST 06/16/19 15:50 CST gusted to 60 mph. [37.15, -89.45] 06/16/19 16:40 CST	FF [36.76, -90.40], 1. ng in Poplar Bluff, spa flooding problems.	0 W POPLAR BLU 0 0 ecifically along the The storms develo 0 the lower Mississ 0 0 0 0 1K	IFF [36.75, -90.42], 1.1 SW POPLAR Flood (due to Heavy Rain) Source: Emergency Manager business loop of U.S. Highway 67. oped in response to sippi Valley, tapping into Hail (1.00 in) Source: Public Thunderstorm Wind (EG 52 kt) Source: Trained Spotter
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hat developed on the back side of BUTLER COUNTY POPLAR BL BLUFF [36.74, -90.42] Emergency management personne Slow-moving thunderstorms with daytime heating of a very moist a a fetch of tropical moisture from the CARTER COUNTY 2.0 S HUNTH BUTLER COUNTY ROMBAUER A trained spotter estimated winds of SCOTT COUNTY COMMERCE	Of a large thunderstorm complex over so UFF [36.75, -90.40], 1.0 N POPLAR BLU 06/06/19 15:50 CST 06/06/19 15:50 CST 06/06/19 18:00 CST el reported urban and small stream floodir overy heavy rain caused isolated minor ir mass. A low pressure system drifted is the Gulf of Mexico. ER [36.85, -90.85] 06/16/19 14:18 CST 06/16/19 14:18 CST 06/16/19 15:50 CST 06/16/19 15:50 CST gusted to 60 mph. [37.15, -89.45] 06/16/19 16:40 CST usts to 60 mph blew down a tree limb.	FF [36.76, -90.40], 1. ng in Poplar Bluff, spa flooding problems.	0 W POPLAR BLU 0 0 ecifically along the The storms develo 0 the lower Mississ 0 0 0 0 1K	IFF [36.75, -90.42], 1.1 SW POPLAR Flood (due to Heavy Rain) Source: Emergency Manager business loop of U.S. Highway 67. oped in response to sippi Valley, tapping into Hail (1.00 in) Source: Public Thunderstorm Wind (EG 52 kt) Source: Trained Spotter

Trees were down near the intersection of U.S. Highway 62 and Missouri Route 77, blocking both roads.

As strong solar heating destabilized the atmosphere, numerous clusters of intense thunderstorms blossomed from southeast Missouri to southwest Indiana. Damaging winds up to around 60 mph occurred with several of the storms. The environment was characterized by moderate to strong instability and moderate wind shear. Effective bulk wind shear values of 25 to 40 knots were observed. The storms developed east of a weak low pressure center over central Missouri.

RIPLEY COUNTY FAIRDEALING [36.67, -90.6) SCOTT COUNTY 5.0 W BLODGETT [37.00, -8) Trees were down along U.S. Highway 61 near Ha	06/19/19 12:00 CST 06/19/19 12:00 CST 06/19/19 12:50 CST 06/19/19 12:50 CST 06/19/19 12:50 CST ywood City. AU [37.30, -89.53] 06/19/19 13:15 CST 06/19/19 13:16 CST	s of Southeast Mi	0 0 5K 0 6K 0	Hail (1.00 in) Source: Public Thunderstorm Wind (EG 56 kt) Source: Law Enforcement Thunderstorm Wind (EG 56 kt)
Trees were down along U.S. Highway 61 near Ha	06/19/19 12:00 CST 0.62] 06/19/19 12:50 CST 06/19/19 12:50 CST ywood City. CAU [37.30, -89.53] 06/19/19 13:15 CST 06/19/19 13:16 CST	s of Southeast Mi	0 5К 0 6К	Source: Public Thunderstorm Wind (EG 56 kt) Source: Law Enforcement
Trees were down along U.S. Highway 61 near Ha	9.62] 06/19/19 12:50 CST 06/19/19 12:50 CST ywood City. AU [37.30, -89.53] 06/19/19 13:15 CST 06/19/19 13:16 CST	s of Southeast Mi	5K 0 6K	Thunderstorm Wind (EG 56 kt) Source: Law Enforcement
Trees were down along U.S. Highway 61 near Ha	06/19/19 12:50 CST 06/19/19 12:50 CST ywood City. EAU [37.30, -89.53] 06/19/19 13:15 CST 06/19/19 13:16 CST	s of Southeast Mi	0 6К	Source: Law Enforcement
	06/19/19 12:50 CST ywood City. EAU [37.30, -89.53] 06/19/19 13:15 CST 06/19/19 13:16 CST	s of Southeast Mi	0 6К	Source: Law Enforcement
	ywood City. EAU [37.30, -89.53] 06/19/19 13:15 CST 06/19/19 13:16 CST	s of Southeast Mi	6К	
	AU [37.30, -89.53] 06/19/19 13:15 CST 06/19/19 13:16 CST	s of Southeast Mi		Thunderstorm Wind (EG 56 kt)
	06/19/19 13:15 CST 06/19/19 13:16 CST	s of Southeast Mi		Thunderstorm Wind (EG 56 kt)
CAPE GIRARDEAU COUNTY CAPE GIRARDE	06/19/19 13:16 CST	s of Southeast Mi		Thunderstorm Wind (EG 56 kt)
		s of Southeast Mi	0	
	rdeau, mainly near the campus	s of Southeast Mi		Source: Emergency Manager
About a half-dozen trees were down in Cape Gira			ssouri State Unive	rsity.
BUTLER COUNTY POPLAR BLUFF [36.75, -9		R [36.77, -90.33]		
	06/19/19 18:30 CST		0.10M	Thunderstorm Wind (MG 58 kt)
	06/19/19 18:41 CST		0	Source: ASOS
winds caused significant damage. A wind gust to 6 small plane was overturned and pushed into a bui power lines were down. This damage was produc BUTLER COUNTY POPLAR BLUFF [36.75, -90]	lding. In the same general are ed by a supercell thunderstorn	a, several telepho	one poles were kno	ocked down. Numerous tree limbs and
BUTLER COURT TOF EAR BEUTT [30.73, -30	06/19/19 18:35 CST		0	Hail (1.00 in)
	06/19/19 18:35 CST		0	Source: Broadcast Media
BUTLER COUNTY 1.9 SW POPLAR BLUFF [3 POPLAR BLUFF [36.76, -90.41]	6.73, -90.43], 1.7 SE POPLAR 06/19/19 18:42 CST 06/19/19 19:45 CST	BLUFF [36.74, -9	0.38], 1.6 NE POF 0 0	PLAR BLUFF [36.76, -90.38], 0.8 NW Flood (due to Heavy Rain) Source: Emergency Manager
Street flooding was reported in typical flood-prone	areas of the city.			
BUTLER COUNTY FISK [36.78, -90.22]				
	06/19/19 18:55 CST		0	Hail (1.25 in)
	06/19/19 18:55 CST		0	Source: Public
This hail was produced by the same supercell tha	t passed through Poplar Bluff.			
NEW MADRID COUNTY LILBOURN [36.60, -8	-			
	06/19/19 20:00 CST		0	Hail (1.00 in)
	06/19/19 20:00 CST		0	Source: Public
SCOTT COUNTY CHAFFEE [37.18, -89.67]				
	06/19/19 20:10 CST		0	Hail (1.00 in)
	06/19/19 20:10 CST		0	Source: Public
Winds were estimated at 30 to 40 mph.				
SCOTT COUNTY SCOTT CITY [37.25, -89.52]				
	06/19/19 20:20 CST		0	Hail (1.50 in)
	06/19/19 20:20 CST		0	Source: Trained Spotter

Clusters and short lines of thunderstorms developed during the afternoon hours. A few of these were accompanied by damaging winds and large hail. A second round of storms occurred during the evening hours. A couple of supercells developed over southeast Missouri and produced large hail up to ping pong ball size, along with damaging winds approaching 70 mph. Both rounds of storms developed south of a surface low that gradually deepened as it tracked east along the Interstate 70 corridor from Missouri into Illinois. Thunderstorm development was enhanced by large-scale ascent pivoting from the Ozark Plateau into the lower Ohio Valley, ahead of a

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	ne heating helped to increase instabilit westerly winds gradually propagated e			
CARTER COUNTY 4.0 NW VAN BUR	EN [37.04, -91.07], 4.0 NNW VAN BURE 06/21/19 14:43 CST	N [37.05, -91.05]	20K	Thunderstorm Wind (EG 61 kt)
	06/21/19 14:45 CST	2	0	Source: Emergency Manager
Shute river access point. The 22-year-ol	rays, a tree fell on a boat on the Current d male driver of the boat was killed, and d at a local hospital. In the same genera	two passengers ir	their 20's were	moderately injured. The injured parties
BOLLINGER COUNTY PATTON [37.5	50, -90.02], MARBLE HILL [37.30, -89.97 06/21/19 15:00 CST]	50K	Thunderstorm Wind (EG 61 kt)
	06/21/19 15:10 CST		0	Source: Broadcast Media
			-	
	uch of the county. Numerous trees and p les were down at Patton. Four miles sou			
CAPE GIRARDEAU COUNTY JACKS	SON [37.38, -89.67], 2.5 E DELTA [37.20	, -89.70]		
	06/21/19 15:17 CST		0.10M	Thunderstorm Wind (EG 65 kt)
	06/21/19 15:30 CST		0	Source: Broadcast Media
down. Bricks were blown from an apartm	ied a line of thunderstorms across much nent building in Jackson, and heavy tree pe Girardeau, windows were blown out o ed at a house.	damage occurred	in the area. In A	llenville, multiple trees and tree limbs
down. Bricks were blown from an apartm were down. Siding was peeled off. In Ca	nent building in Jackson, and heavy tree pe Girardeau, windows were blown out o ed at a house.	damage occurred	in the area. In A	llenville, multiple trees and tree limbs th roof and shingle damage. Near Hail (0.75 in)
down. Bricks were blown from an apartm were down. Siding was peeled off. In Ca Delta, significant shingle damage occurre	nent building in Jackson, and heavy tree pe Girardeau, windows were blown out o ed at a house. LLE [37.10, -90.46]	damage occurred	in the area. In A ne cars, along wi	llenville, multiple trees and tree limbs th roof and shingle damage. Near
down. Bricks were blown from an apartm were down. Siding was peeled off. In Ca Delta, significant shingle damage occurre	nent building in Jackson, and heavy tree pe Girardeau, windows were blown out o ed at a house. LLE [37.10, -90.46] 06/21/19 15:20 CST 06/21/19 15:20 CST	damage occurred	in the area. In A ne cars, along with 0	llenville, multiple trees and tree limbs th roof and shingle damage. Near Hail (0.75 in)
down. Bricks were blown from an apartm were down. Siding was peeled off. In Ca Delta, significant shingle damage occurr NAYNE COUNTY 2.0 SSE GREENVI	nent building in Jackson, and heavy tree pe Girardeau, windows were blown out o ed at a house. LLE [37.10, -90.46] 06/21/19 15:20 CST 06/21/19 15:20 CST	damage occurred	in the area. In A ne cars, along with 0	llenville, multiple trees and tree limbs th roof and shingle damage. Near Hail (0.75 in)
down. Bricks were blown from an apartm were down. Siding was peeled off. In Ca Delta, significant shingle damage occurr NAYNE COUNTY 2.0 SSE GREENVI	nent building in Jackson, and heavy tree pe Girardeau, windows were blown out o ed at a house. LLE [37.10, -90.46] 06/21/19 15:20 CST 06/21/19 15:20 CST 89.67], BENTON [37.10, -89.57]	damage occurred	in the area. In A ne cars, along wi 0 0	llenville, multiple trees and tree limbs th roof and shingle damage. Near Hail (0.75 in) Source: Trained Spotter
down. Bricks were blown from an apartm were down. Siding was peeled off. In Ca Delta, significant shingle damage occurr WAYNE COUNTY 2.0 SSE GREENVI SCOTT COUNTY CHAFFEE [37.18, -1	nent building in Jackson, and heavy tree pe Girardeau, windows were blown out o ed at a house. LLE [37.10, -90.46] 06/21/19 15:20 CST 06/21/19 15:20 CST 89.67], BENTON [37.10, -89.57] 06/21/19 15:27 CST	damage occurred of a store and som	in the area. In A ne cars, along wi 0 0 75K 0	llenville, multiple trees and tree limbs th roof and shingle damage. Near Hail (0.75 in) Source: Trained Spotter Thunderstorm Wind (EG 61 kt) Source: Emergency Manager
down. Bricks were blown from an apartm were down. Siding was peeled off. In Ca Delta, significant shingle damage occurre WAYNE COUNTY 2.0 SSE GREENVI SCOTT COUNTY CHAFFEE [37.18, -4 Across the county, trees and power lines down. Power outages were reported.	nent building in Jackson, and heavy tree pe Girardeau, windows were blown out o ed at a house. LLE [37.10, -90.46] 06/21/19 15:20 CST 06/21/19 15:20 CST 89.67], BENTON [37.10, -89.57] 06/21/19 15:27 CST 06/21/19 15:40 CST s were down. Some of the trees were act ITY [37.23, -89.57], SCOTT CITY [37.25,	damage occurred of a store and som	in the area. In A ne cars, along wi 0 0 75K 0 city of Chaffee, r	llenville, multiple trees and tree limbs th roof and shingle damage. Near Hail (0.75 in) Source: Trained Spotter Thunderstorm Wind (EG 61 kt) Source: Emergency Manager oofs were damaged and trees were
down. Bricks were blown from an apartm were down. Siding was peeled off. In Ca Delta, significant shingle damage occurre WAYNE COUNTY 2.0 SSE GREENVI SCOTT COUNTY CHAFFEE [37.18, -4 Across the county, trees and power lines down. Power outages were reported.	nent building in Jackson, and heavy tree pe Girardeau, windows were blown out of ed at a house. LLE [37.10, -90.46] 06/21/19 15:20 CST 06/21/19 15:20 CST 89.67], BENTON [37.10, -89.57] 06/21/19 15:27 CST 06/21/19 15:20 CST es were down. Some of the trees were act ITY [37.23, -89.57], SCOTT CITY [37.25, 06/21/19 15:29 CST	damage occurred of a store and som	in the area. In A le cars, along wi 0 0 75K 0 city of Chaffee, r 2K	Ilenville, multiple trees and tree limbs th roof and shingle damage. Near Hail (0.75 in) Source: Trained Spotter Thunderstorm Wind (EG 61 kt) Source: Emergency Manager oofs were damaged and trees were Thunderstorm Wind (MG 63 kt)
down. Bricks were blown from an apartm were down. Siding was peeled off. In Ca Delta, significant shingle damage occurre WAYNE COUNTY 2.0 SSE GREENVI SCOTT COUNTY CHAFFEE [37.18, -4 Across the county, trees and power lines down. Power outages were reported. SCOTT COUNTY 3.0 WSW SCOTT C	nent building in Jackson, and heavy tree pe Girardeau, windows were blown out o ed at a house. LLE [37.10, -90.46] 06/21/19 15:20 CST 06/21/19 15:20 CST 89.67], BENTON [37.10, -89.57] 06/21/19 15:27 CST 06/21/19 15:40 CST s were down. Some of the trees were act ITY [37.23, -89.57], SCOTT CITY [37.25,	damage occurred of a store and som	in the area. In A ne cars, along wi 0 0 75K 0 city of Chaffee, r 2K 0	llenville, multiple trees and tree limbs th roof and shingle damage. Near Hail (0.75 in) Source: Trained Spotter Thunderstorm Wind (EG 61 kt) Source: Emergency Manager oofs were damaged and trees were
down. Bricks were blown from an apartm were down. Siding was peeled off. In Ca Delta, significant shingle damage occurre WAYNE COUNTY 2.0 SSE GREENVI SCOTT COUNTY CHAFFEE [37.18, -4 Across the county, trees and power lines down. Power outages were reported. SCOTT COUNTY 3.0 WSW SCOTT C A wind gust to 72 mph was measured at	nent building in Jackson, and heavy tree pe Girardeau, windows were blown out of ed at a house. LLE [37.10, -90.46] 06/21/19 15:20 CST 06/21/19 15:20 CST 89.67], BENTON [37.10, -89.57] 06/21/19 15:27 CST 06/21/19 15:27 CST 06/21/19 15:40 CST s were down. Some of the trees were act ITY [37.23, -89.57], SCOTT CITY [37.25, 06/21/19 15:29 CST 06/21/19 15:35 CST the Cape Girardeau airport. Tree limbs	damage occurred of a store and som ross roads. In the - 89.52] were down in Sco	in the area. In A ne cars, along wi 0 0 75K 0 city of Chaffee, r 2K 0 tt City.	Ilenville, multiple trees and tree limbs th roof and shingle damage. Near Hail (0.75 in) Source: Trained Spotter Thunderstorm Wind (EG 61 kt) Source: Emergency Manager oofs were damaged and trees were Thunderstorm Wind (MG 63 kt)
down. Bricks were blown from an apartm were down. Siding was peeled off. In Ca Delta, significant shingle damage occurre WAYNE COUNTY 2.0 SSE GREENVI SCOTT COUNTY CHAFFEE [37.18, -4 Across the county, trees and power lines down. Power outages were reported. SCOTT COUNTY 3.0 WSW SCOTT C A wind gust to 72 mph was measured at	nent building in Jackson, and heavy tree pe Girardeau, windows were blown out of ed at a house. LLE [37.10, -90.46] 06/21/19 15:20 CST 06/21/19 15:20 CST 06/21/19 15:20 CST 06/21/19 15:27 CST 06/21/19 15:40 CST cs were down. Some of the trees were act ITY [37.23, -89.57], SCOTT CITY [37.25, 06/21/19 15:29 CST 06/21/19 15:35 CST	damage occurred of a store and som ross roads. In the - 89.52] were down in Sco	in the area. In A ne cars, along wi 0 0 75K 0 city of Chaffee, r 2K 0 tt City.	Ilenville, multiple trees and tree limbs th roof and shingle damage. Near Hail (0.75 in) Source: Trained Spotter Thunderstorm Wind (EG 61 kt) Source: Emergency Manager oofs were damaged and trees were Thunderstorm Wind (MG 63 kt)
down. Bricks were blown from an apartm were down. Siding was peeled off. In Ca Delta, significant shingle damage occurre WAYNE COUNTY 2.0 SSE GREENVI SCOTT COUNTY CHAFFEE [37.18, -4 Across the county, trees and power lines down. Power outages were reported. SCOTT COUNTY 3.0 WSW SCOTT C A wind gust to 72 mph was measured at	nent building in Jackson, and heavy tree pe Girardeau, windows were blown out of ed at a house. LLE [37.10, -90.46] 06/21/19 15:20 CST 06/21/19 15:20 CST 89.67], BENTON [37.10, -89.57] 06/21/19 15:27 CST 06/21/19 15:27 CST 06/21/19 15:40 CST s were down. Some of the trees were act ITY [37.23, -89.57], SCOTT CITY [37.25, 06/21/19 15:29 CST 06/21/19 15:35 CST the Cape Girardeau airport. Tree limbs JFF DAVIS AR [36.90, -90.31], (P02)POI	damage occurred of a store and som ross roads. In the - 89.52] were down in Sco	in the area. In A ne cars, along wi 0 0 75K 0 city of Chaffee, r 2K 0 tt City. [36.77, -90.33]	Ilenville, multiple trees and tree limbs th roof and shingle damage. Near Hail (0.75 in) Source: Trained Spotter Thunderstorm Wind (EG 61 kt) Source: Emergency Manager oofs were damaged and trees were Thunderstorm Wind (MG 63 kt) Source: ASOS
down. Bricks were blown from an apartm were down. Siding was peeled off. In Ca Delta, significant shingle damage occurre WAYNE COUNTY 2.0 SSE GREENVI SCOTT COUNTY 2.0 SSE GREENVI SCOTT COUNTY CHAFFEE [37.18, -1 Across the county, trees and power lines down. Power outages were reported. SCOTT COUNTY 3.0 WSW SCOTT C A wind gust to 72 mph was measured at BUTLER COUNTY 0.6 W POPLR BLU	nent building in Jackson, and heavy tree pe Girardeau, windows were blown out of ed at a house. LLE [37.10, -90.46] 06/21/19 15:20 CST 06/21/19 15:20 CST 06/21/19 15:20 CST 06/21/19 15:27 CST 06/21/19 15:40 CST as were down. Some of the trees were act ITY [37.23, -89.57], SCOTT CITY [37.25, 06/21/19 15:29 CST 06/21/19 15:35 CST the Cape Girardeau airport. Tree limbs JFF DAVIS AR [36.90, -90.31], (P02)POI 06/21/19 15:30 CST 06/21/19 15:33 CST the automated observing station at the l	damage occurred of a store and som ross roads. In the -89.52] were down in Sco PLAR BLUFF AR	in the area. In A ne cars, along wi 0 0 75K 0 city of Chaffee, r 2K 0 tt City. [36.77, -90.33] 1K 0	Ilenville, multiple trees and tree limbs th roof and shingle damage. Near Hail (0.75 in) Source: Trained Spotter Thunderstorm Wind (EG 61 kt) Source: Emergency Manager oofs were damaged and trees were Thunderstorm Wind (MG 63 kt) Source: ASOS Thunderstorm Wind (MG 51 kt) Source: Emergency Manager
down. Bricks were blown from an apartm were down. Siding was peeled off. In Ca Delta, significant shingle damage occurre WAYNE COUNTY 2.0 SSE GREENVI SCOTT COUNTY 2.0 SSE GREENVI SCOTT COUNTY CHAFFEE [37.18, -1 Across the county, trees and power lines down. Power outages were reported. SCOTT COUNTY 3.0 WSW SCOTT C A wind gust to 72 mph was measured at BUTLER COUNTY 0.6 W POPLR BLU A wind gust to 59 mph was measured at	nent building in Jackson, and heavy tree pe Girardeau, windows were blown out of ed at a house. LLE [37.10, -90.46] 06/21/19 15:20 CST 06/21/19 15:20 CST 06/21/19 15:20 CST 06/21/19 15:27 CST 06/21/19 15:40 CST as were down. Some of the trees were act ITY [37.23, -89.57], SCOTT CITY [37.25, 06/21/19 15:29 CST 06/21/19 15:35 CST the Cape Girardeau airport. Tree limbs JFF DAVIS AR [36.90, -90.31], (P02)POI 06/21/19 15:33 CST the automated observing station at the I t a mile south of Route KK. 5, -89.52]	damage occurred of a store and som ross roads. In the -89.52] were down in Sco PLAR BLUFF AR	in the area. In A ne cars, along wi 0 0 75K 0 city of Chaffee, r 2K 0 tt City. [36.77, -90.33] 1K 0 t. Near the Wayr	Ilenville, multiple trees and tree limbs th roof and shingle damage. Near Hail (0.75 in) Source: Trained Spotter Thunderstorm Wind (EG 61 kt) Source: Emergency Manager oofs were damaged and trees were Thunderstorm Wind (MG 63 kt) Source: ASOS Thunderstorm Wind (MG 51 kt) Source: Emergency Manager the County line south of Wappapello, a
down. Bricks were blown from an apartm were down. Siding was peeled off. In Ca Delta, significant shingle damage occurre WAYNE COUNTY 2.0 SSE GREENVI SCOTT COUNTY 2.0 SSE GREENVI Across the county, trees and power lines down. Power outages were reported. SCOTT COUNTY 3.0 WSW SCOTT C A wind gust to 72 mph was measured at BUTLER COUNTY 0.6 W POPLR BLU A wind gust to 59 mph was measured at arge tree was blocking Highway T about	nent building in Jackson, and heavy tree pe Girardeau, windows were blown out of ed at a house. LLE [37.10, -90.46] 06/21/19 15:20 CST 06/21/19 15:20 CST 06/21/19 15:20 CST 06/21/19 15:27 CST 06/21/19 15:27 CST 06/21/19 15:40 CST as were down. Some of the trees were act ITY [37.23, -89.57], SCOTT CITY [37.25, 06/21/19 15:29 CST 06/21/19 15:35 CST the Cape Girardeau airport. Tree limbs JFF DAVIS AR [36.90, -90.31], (P02)POI 06/21/19 15:30 CST the automated observing station at the I t a mile south of Route KK. 5, -89.52] 06/21/19 15:30 CST	damage occurred of a store and som ross roads. In the -89.52] were down in Sco PLAR BLUFF AR	in the area. In A ne cars, along wi 0 0 75K 0 city of Chaffee, r 2K 0 tt City. [36.77, -90.33] 1K 0 t. Near the Wayr 50K	Ilenville, multiple trees and tree limbs th roof and shingle damage. Near Hail (0.75 in) Source: Trained Spotter Thunderstorm Wind (EG 61 kt) Source: Emergency Manager oofs were damaged and trees were Thunderstorm Wind (MG 63 kt) Source: ASOS Thunderstorm Wind (MG 51 kt) Source: Emergency Manager ne County line south of Wappapello, a Lightning
down. Bricks were blown from an apartm were down. Siding was peeled off. In Ca Delta, significant shingle damage occurre WAYNE COUNTY 2.0 SSE GREENVI SCOTT COUNTY 2.0 SSE GREENVI Across the county, trees and power lines down. Power outages were reported. SCOTT COUNTY 3.0 WSW SCOTT C A wind gust to 72 mph was measured at BUTLER COUNTY 0.6 W POPLR BLU A wind gust to 59 mph was measured at arge tree was blocking Highway T about	nent building in Jackson, and heavy tree pe Girardeau, windows were blown out of ed at a house. LLE [37.10, -90.46] 06/21/19 15:20 CST 06/21/19 15:20 CST 06/21/19 15:20 CST 06/21/19 15:27 CST 06/21/19 15:40 CST as were down. Some of the trees were act ITY [37.23, -89.57], SCOTT CITY [37.25, 06/21/19 15:29 CST 06/21/19 15:35 CST the Cape Girardeau airport. Tree limbs JFF DAVIS AR [36.90, -90.31], (P02)POI 06/21/19 15:33 CST the automated observing station at the I t a mile south of Route KK. 5, -89.52]	damage occurred of a store and som ross roads. In the -89.52] were down in Sco PLAR BLUFF AR	in the area. In A ne cars, along wi 0 0 75K 0 city of Chaffee, r 2K 0 tt City. [36.77, -90.33] 1K 0 t. Near the Wayr	Ilenville, multiple trees and tree limbs th roof and shingle damage. Near Hail (0.75 in) Source: Trained Spotter Thunderstorm Wind (EG 61 kt) Source: Emergency Manager oofs were damaged and trees were Thunderstorm Wind (MG 63 kt) Source: ASOS Thunderstorm Wind (MG 51 kt) Source: Emergency Manager the County line south of Wappapello, a

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/21/19 15:49 CST		1K	Thunderstorm Wind (EG 56 kt)
	06/21/19 15:49 CST		0	Source: Public
large tree was snapped. A photo was	s posted on social media.			
ISSISSIPPI COUNTY CHARLEST	ON [36.92, -89.33], EAST PRAIRIE [36.7 06/21/19 15:50 CST	78, -89.38]	5K	Thunderstorm Wind (EG 61 kt)
	06/21/19 15:55 CST		0	Source: Trained Spotter
rees and wires were blown down from	n Charleston to East Prairie. At least one	e large tree was up		
EW MADRID COUNTY MATTHEW	/S [36.77, -89.58], NEW MADRID [36.60,	, -89.53]		
	06/21/19 16:08 CST	-	5K	Thunderstorm Wind (EG 56 kt)
	06/21/19 16:23 CST		0	Source: Emergency Manager
rees were blown down at Matthews. V	Nind gusts were estimated from 60 to 70) mph by emergen	cy management in	New Madrid.
amage were reported in parts of sou Irface-based capes exceeding 4,000 eather. Deep-layer (0-6 km) wind sho e region was under a broad 500 mb	across the lower Ohio Valley and sout utheast Missouri. The atmosphere ahea D. Given the strong buoyancy, wind pro ear values were no higher than about 3 o ridge, a moderately strong low-level fo	ad of the storms b ofiles were sufficie 30 knots, and 0-1	ecame strongly u ently strong for wi km shear was abo	nstable, with despread severe ut 20 knots. Even though
s they propagated southeastward.				
	•			
BUTLER COUNTY FAGUS [36.52, -	90.27] 06/22/19 13:00 CST 06/22/19 13:00 CST I cloud extending less than halfway to th	e ground.	0 0	Funnel Cloud Source: Emergency Manager
BUTLER COUNTY FAGUS [36.52, A photo was taken of a rope-like funnel In the wake of an early morning thunc wehind the first complex. Wind profile	06/22/19 13:00 CST 06/22/19 13:00 CST	med as a result of	0 daytime heating i	Source: Emergency Manager
BUTLER COUNTY FAGUS [36.52, A photo was taken of a rope-like funnel In the wake of an early morning thund wehind the first complex. Wind profile sloud in the afternoon.	06/22/19 13:00 CST 06/22/19 13:00 CST I cloud extending less than halfway to th derstorm complex, a line of storms for es were sufficiently strong for an organ	med as a result of	0 daytime heating i	Source: Emergency Manager
UTLER COUNTY FAGUS [36.52, photo was taken of a rope-like funnel the wake of an early morning thunc ehind the first complex. Wind profile loud in the afternoon.	06/22/19 13:00 CST 06/22/19 13:00 CST I cloud extending less than halfway to th derstorm complex, a line of storms for es were sufficiently strong for an organ RE [36.84, -90.75]	med as a result of	0 daytime heating i	Source: Emergency Manager in the clearing area d a short-lived funnel
BUTLER COUNTY FAGUS [36.52, photo was taken of a rope-like funnel the wake of an early morning thunc wehind the first complex. Wind profile loud in the afternoon.	06/22/19 13:00 CST 06/22/19 13:00 CST I cloud extending less than halfway to th derstorm complex, a line of storms for es were sufficiently strong for an organ	med as a result of	0 daytime heating i is, which produce	Source: Emergency Manager
BUTLER COUNTY FAGUS [36.52, a photo was taken of a rope-like funnel in the wake of an early morning thunc wehind the first complex. Wind profile loud in the afternoon. CARTER COUNTY 6.0 S ELLSINOR	06/22/19 13:00 CST 06/22/19 13:00 CST I cloud extending less than halfway to th derstorm complex, a line of storms for es were sufficiently strong for an organ RE [36.84, -90.75] 06/23/19 12:54 CST	med as a result of nized line of storm	0 daytime heating i is, which produce 2K	Source: Emergency Manager in the clearing area d a short-lived funnel Thunderstorm Wind (EG 56 kt)
BUTLER COUNTY FAGUS [36.52, A photo was taken of a rope-like funnel In the wake of an early morning thund which the first complex. Wind profile loud in the afternoon. CARTER COUNTY 6.0 S ELLSINOR	06/22/19 13:00 CST 06/22/19 13:00 CST I cloud extending less than halfway to th derstorm complex, a line of storms for es were sufficiently strong for an organ RE [36.84, -90.75] 06/23/19 12:54 CST 06/23/19 12:54 CST	med as a result of nized line of storm	0 daytime heating i ns, which produce 2K 0	Source: Emergency Manager in the clearing area d a short-lived funnel Thunderstorm Wind (EG 56 kt)
BUTLER COUNTY FAGUS [36.52, A photo was taken of a rope-like funnel In the wake of an early morning thund whind the first complex. Wind profile Houd in the afternoon. CARTER COUNTY 6.0 S ELLSINOR	06/22/19 13:00 CST 06/22/19 13:00 CST I cloud extending less than halfway to th derstorm complex, a line of storms for es were sufficiently strong for an organ RE [36.84, -90.75] 06/23/19 12:54 CST 06/23/19 12:54 CST ay B between Highway 21 and U.S. High	med as a result of nized line of storm	0 daytime heating i ns, which produce 2K 0	Source: Emergency Manager in the clearing area d a short-lived funnel Thunderstorm Wind (EG 56 kt)
BUTLER COUNTY FAGUS [36.52, A photo was taken of a rope-like funnel In the wake of an early morning thund Dehind the first complex. Wind profile cloud in the afternoon. CARTER COUNTY 6.0 S ELLSINOR A couple of trees were down on Highwa	06/22/19 13:00 CST 06/22/19 13:00 CST I cloud extending less than halfway to th derstorm complex, a line of storms for es were sufficiently strong for an organ RE [36.84, -90.75] 06/23/19 12:54 CST 06/23/19 12:54 CST ay B between Highway 21 and U.S. High AR BLUFF [36.70, -90.55], 4.0 S POPLA	med as a result of nized line of storm	0 daytime heating i ns, which produce 2K 0 90.40]	Source: Emergency Manager in the clearing area d a short-lived funnel Thunderstorm Wind (EG 56 kt) Source: Emergency Manager
BUTLER COUNTY FAGUS [36.52, A photo was taken of a rope-like funnel in the wake of an early morning thund behind the first complex. Wind profile cloud in the afternoon. CARTER COUNTY 6.0 S ELLSINOR A couple of trees were down on Highwa BUTLER COUNTY 9.0 WSW POPLA Videspread damage to trees and powe County Road 461. Roofs were damage	06/22/19 13:00 CST 06/22/19 13:00 CST I cloud extending less than halfway to the derstorm complex, a line of storms for es were sufficiently strong for an organ RE [36.84, -90.75] 06/23/19 12:54 CST 06/23/19 12:54 CST ay B between Highway 21 and U.S. High AR BLUFF [36.70, -90.55], 4.0 S POPLA 06/23/19 13:15 CST	med as a result of nized line of storm hway 60. R BLUFF [36.69, -	0 daytime heating i as, which produce 2K 0 90.40] 0.10M 0 Butler County. Tree	Source: Emergency Manager in the clearing area d a short-lived funnel Thunderstorm Wind (EG 56 kt) Source: Emergency Manager Thunderstorm Wind (EG 65 kt) Source: Trained Spotter is were down on a house and cars on
BUTLER COUNTY FAGUS [36.52, A photo was taken of a rope-like funnel in the wake of an early morning thund behind the first complex. Wind profile cloud in the afternoon. CARTER COUNTY 6.0 S ELLSINOR A couple of trees were down on Highwa SUTLER COUNTY 9.0 WSW POPLA Videspread damage to trees and powe County Road 461. Roofs were damage Poplar Bluff.	06/22/19 13:00 CST 06/22/19 13:00 CST I cloud extending less than halfway to the derstorm complex, a line of storms for es were sufficiently strong for an organ RE [36.84, -90.75] 06/23/19 12:54 CST 06/23/19 12:54 CST ay B between Highway 21 and U.S. High AR BLUFF [36.70, -90.55], 4.0 S POPLA 06/23/19 13:15 CST 06/23/19 13:28 CST er lines was reported across southwest a ed and numerous trees were down on Co .80, -89.95], 4.0 S ADVANCE [37.04, -89	med as a result of nized line of storm hway 60. R BLUFF [36.69, - and south central E punty Road 470. T	0 daytime heating i as, which produce 2K 0 90.40] 0.10M 0 Butler County. Tree rees and power line	Source: Emergency Manager in the clearing area d a short-lived funnel Thunderstorm Wind (EG 56 kt) Source: Emergency Manager Thunderstorm Wind (EG 65 kt) Source: Trained Spotter es were down on a house and cars on es were damaged four miles south of
BUTLER COUNTY FAGUS [36.52, A photo was taken of a rope-like funnel In the wake of an early morning thund behind the first complex. Wind profile loud in the afternoon. CARTER COUNTY 6.0 S ELLSINOR A couple of trees were down on Highwa SUTLER COUNTY 9.0 WSW POPLA Videspread damage to trees and powe County Road 461. Roofs were damage Poplar Bluff.	06/22/19 13:00 CST 06/22/19 13:00 CST I cloud extending less than halfway to the derstorm complex, a line of storms for as were sufficiently strong for an organ (RE [36.84, -90.75] 06/23/19 12:54 CST 06/23/19 12:54 CST 06/23/19 12:54 CST ay B between Highway 21 and U.S. High (AR BLUFF [36.70, -90.55], 4.0 S POPLA 06/23/19 13:15 CST 06/23/19 13:28 CST er lines was reported across southwest a ed and numerous trees were down on Co (2.80, -89.95], 4.0 S ADVANCE [37.04, -89 06/23/19 14:05 CST	med as a result of nized line of storm hway 60. R BLUFF [36.69, - and south central E punty Road 470. T	0 daytime heating i is, which produce 2K 0 90.40] 0.10M 0 Butler County. Tree rees and power line 50K	Source: Emergency Manager in the clearing area d a short-lived funnel Thunderstorm Wind (EG 56 kt) Source: Emergency Manager Thunderstorm Wind (EG 65 kt) Source: Trained Spotter es were down on a house and cars on es were damaged four miles south of Thunderstorm Wind (EG 65 kt)
BUTLER COUNTY FAGUS [36.52, A photo was taken of a rope-like funnel In the wake of an early morning thund behind the first complex. Wind profile loud in the afternoon. CARTER COUNTY 6.0 S ELLSINOR A couple of trees were down on Highwa SUTLER COUNTY 9.0 WSW POPLA Videspread damage to trees and powe County Road 461. Roofs were damage Poplar Bluff.	06/22/19 13:00 CST 06/22/19 13:00 CST I cloud extending less than halfway to the derstorm complex, a line of storms for es were sufficiently strong for an organ RE [36.84, -90.75] 06/23/19 12:54 CST 06/23/19 12:54 CST ay B between Highway 21 and U.S. High AR BLUFF [36.70, -90.55], 4.0 S POPLA 06/23/19 13:15 CST 06/23/19 13:28 CST er lines was reported across southwest a ed and numerous trees were down on Co .80, -89.95], 4.0 S ADVANCE [37.04, -89	med as a result of nized line of storm hway 60. R BLUFF [36.69, - and south central E punty Road 470. T	0 daytime heating i as, which produce 2K 0 90.40] 0.10M 0 Butler County. Tree rees and power line	Source: Emergency Manager in the clearing area d a short-lived funnel Thunderstorm Wind (EG 56 kt) Source: Emergency Manager Thunderstorm Wind (EG 65 kt) Source: Trained Spotter es were down on a house and cars on es were damaged four miles south of
BUTLER COUNTY FAGUS [36.52, A photo was taken of a rope-like funnel in the wake of an early morning thund behind the first complex. Wind profile cloud in the afternoon. CARTER COUNTY 6.0 S ELLSINOR A couple of trees were down on Highwa SUTLER COUNTY 9.0 WSW POPLA Videspread damage to trees and powe County Road 461. Roofs were damage Poplar Bluff. STODDARD COUNTY DEXTER [36.	06/22/19 13:00 CST 06/22/19 13:00 CST I cloud extending less than halfway to the derstorm complex, a line of storms for as were sufficiently strong for an organ (RE [36.84, -90.75] 06/23/19 12:54 CST 06/23/19 12:54 CST 06/23/19 12:54 CST ay B between Highway 21 and U.S. High (AR BLUFF [36.70, -90.55], 4.0 S POPLA 06/23/19 13:15 CST 06/23/19 13:28 CST er lines was reported across southwest a ed and numerous trees were down on Co (2.80, -89.95], 4.0 S ADVANCE [37.04, -89 06/23/19 14:05 CST	med as a result of nized line of storm hway 60. R BLUFF [36.69, - and south central E bunty Road 470. To 	0 daytime heating i as, which produce 2K 0 90.40] 0.10M 0 Butler County. Tree rees and power line 50K 0 north across the Blo	Source: Emergency Manager in the clearing area d a short-lived funnel Thunderstorm Wind (EG 56 kt) Source: Emergency Manager Thunderstorm Wind (EG 65 kt) Source: Trained Spotter as were down on a house and cars on es were damaged four miles south of Thunderstorm Wind (EG 65 kt) Source: Public comfield area. Trees were down off
In the wake of an early morning thund behind the first complex. Wind profile cloud in the afternoon. CARTER COUNTY 6.0 S ELLSINOR A couple of trees were down on Highwa BUTLER COUNTY 9.0 WSW POPLA Widespread damage to trees and powe County Road 461. Roofs were damage Poplar Bluff. STODDARD COUNTY DEXTER [36.	06/22/19 13:00 CST 06/22/19 13:00 CST I cloud extending less than halfway to the derstorm complex, a line of storms for as were sufficiently strong for an organ (RE [36.84, -90.75] 06/23/19 12:54 CST 06/23/19 12:54 CST 06/23/19 12:54 CST ay B between Highway 21 and U.S. High AR BLUFF [36.70, -90.55], 4.0 S POPLA 06/23/19 13:15 CST 06/23/19 13:28 CST er lines was reported across southwest a ad and numerous trees were down on Co .80, -89.95], 4.0 S ADVANCE [37.04, -89 06/23/19 14:05 CST 06/23/19 14:15 CST 06/23/19 14:15 CST aging winds across Stoddard County, mi loomfield. Several trees were uprooted of 37.03, -89.83]	med as a result of nized line of storm hway 60. R BLUFF [36.69, - and south central E bunty Road 470. To 	0 daytime heating i as, which produce 2K 0 90.40] 0.10M 0 Butler County. Tree rees and power line 50K 0 both across the Blo er. A large tree lime	Source: Emergency Manager in the clearing area d a short-lived funnel Thunderstorm Wind (EG 56 kt) Source: Emergency Manager Thunderstorm Wind (EG 65 kt) Source: Trained Spotter es were down on a house and cars on es were damaged four miles south of Thunderstorm Wind (EG 65 kt) Source: Public boomfield area. Trees were down off b was down south of Advance.
BUTLER COUNTY FAGUS [36.52, A photo was taken of a rope-like funnel in the wake of an early morning thund behind the first complex. Wind profile cloud in the afternoon. CARTER COUNTY 6.0 S ELLSINOR A couple of trees were down on Highwa BUTLER COUNTY 9.0 WSW POPLA Widespread damage to trees and powe County Road 461. Roofs were damage Poplar Bluff. STODDARD COUNTY DEXTER [36. A line of thunderstorms produced dama County Road 227 north-northwest of Bl	06/22/19 13:00 CST 06/22/19 13:00 CST I cloud extending less than halfway to the derstorm complex, a line of storms for as were sufficiently strong for an organ (RE [36.84, -90.75] 06/23/19 12:54 CST 06/23/19 12:54 CST 06/23/19 12:54 CST ay B between Highway 21 and U.S. High AR BLUFF [36.70, -90.55], 4.0 S POPLA 06/23/19 13:15 CST 06/23/19 13:28 CST er lines was reported across southwest a ed and numerous trees were down on Co .80, -89.95], 4.0 S ADVANCE [37.04, -89 06/23/19 14:05 CST 06/23/19 14:15 CST 06/23/19 14:15 CST aging winds across Stoddard County, ma loomfield. Several trees were uprooted of	med as a result of nized line of storm hway 60. R BLUFF [36.69, - and south central E bunty Road 470. To 	0 daytime heating i as, which produce 2K 0 90.40] 0.10M 0 Butler County. Tree rees and power line 50K 0 north across the Blo	Source: Emergency Manager in the clearing area d a short-lived funnel Thunderstorm Wind (EG 56 kt) Source: Emergency Manager Thunderstorm Wind (EG 65 kt) Source: Trained Spotter as were down on a house and cars on es were damaged four miles south of Thunderstorm Wind (EG 65 kt) Source: Public comfield area. Trees were down off

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/23/19 14:22 CST		4K	Thunderstorm Wind (EG 61 kt)
	06/23/19 14:22 CST		0	Source: Trained Spotter
t Delta, siding was peeled back on a house and t	tree limbs were down.			
APE GIRARDEAU COUNTY 3.0 SW CAPE GI				
	06/23/19 14:35 CST		0	Thunderstorm Wind (EG 52 kt)
	06/23/19 14:35 CST		0	Source: Trained Spotter
trained spotter estimated 60 mph winds at exit 9	3 on Interstate 55, at the inter	rchange with Stat	e Route 74.	
NEW MADRID COUNTY NEW MADRID [36.60,	=			
	06/23/19 14:55 CST		0.50K	Thunderstorm Wind (EG 52 kt)
	06/23/19 14:55 CST		0	Source: Public
A large tree branch was broken off.				
MISSISSIPPI COUNTY CHARLESTON [36.92, ·		2]	0	
	06/23/19 15:05 CST		0	Thunderstorm Wind (EG 52 kt)
	06/23/19 15:15 CST		0	Source: Public
One-inch limbs were down between Charleston ar	nd Wyatt.			
	flow ahead of a weak cold fro ditional support for the storm			_
over 3000 j/kg.				able, with surface capes Thunderstorm Wind (EG 52 kt)
over 3000 j/kg.	litional support for the storm		was strongly unst	able, with surface capes
over 3000 j/kg. RIPLEY COUNTY 8.0 N BRIAR [36.77, -90.97]	Ditional support for the storm 06/26/19 13:15 CST 06/26/19 13:15 CST		was strongly unst	able, with surface capes Thunderstorm Wind (EG 52 kt)
over 3000 j/kg. RIPLEY COUNTY 8.0 N BRIAR [36.77, -90.97] A tree was blown down on C Highway close to the	ditional support for the storm 06/26/19 13:15 CST 06/26/19 13:15 CST • Carter County line. 00]		was strongly unst 1K 0	able, with surface capes Thunderstorm Wind (EG 52 kt) Source: Fire Department/Rescue
over 3000 j/kg. RIPLEY COUNTY 8.0 N BRIAR [36.77, -90.97] A tree was blown down on C Highway close to the	ditional support for the storm 06/26/19 13:15 CST 06/26/19 13:15 CST • Carter County line. 00] 06/26/19 13:40 CST		was strongly unst 1K 0	able, with surface capes Thunderstorm Wind (EG 52 kt) Source: Fire Department/Rescue Hail (1.00 in)
over 3000 j/kg. RIPLEY COUNTY 8.0 N BRIAR [36.77, -90.97] A tree was blown down on C Highway close to the	ditional support for the storm 06/26/19 13:15 CST 06/26/19 13:15 CST • Carter County line. 00]		was strongly unst 1K 0	able, with surface capes Thunderstorm Wind (EG 52 kt) Source: Fire Department/Rescue
RIPLEY COUNTY 8.0 N BRIAR [36.77, -90.97] A tree was blown down on C Highway close to the RIPLEY COUNTY 2.0 WNW BRIAR [36.66, -91.	Jitional support for the storm 06/26/19 13:15 CST 06/26/19 13:15 CST • Carter County line. 00] 06/26/19 13:40 CST 06/26/19 13:40 CST 06/26/19 13:40 CST 06/26/19 13:40 CST	ns. The air mass	was strongly unst 1K 0 0 0	able, with surface capes Thunderstorm Wind (EG 52 kt) Source: Fire Department/Rescue Hail (1.00 in) Source: Broadcast Media
OVER 3000 j/kg. RIPLEY COUNTY 8.0 N BRIAR [36.77, -90.97] A tree was blown down on C Highway close to the RIPLEY COUNTY 2.0 WNW BRIAR [36.66, -91. CARTER COUNTY 2.8 SSE ELLSINORE [36.88	Jitional support for the storm 06/26/19 13:15 CST 06/26/19 13:15 CST • Carter County line. 00] 06/26/19 13:40 CST 06/26/19 13:40 CST 06/26/19 13:40 CST 06/26/19 13:40 CST	ns. The air mass	was strongly unst 1K 0 0 0	able, with surface capes Thunderstorm Wind (EG 52 kt) Source: Fire Department/Rescue Hail (1.00 in) Source: Broadcast Media
over 3000 j/kg. RIPLEY COUNTY 8.0 N BRIAR [36.77, -90.97] A tree was blown down on C Highway close to the RIPLEY COUNTY 2.0 WNW BRIAR [36.66, -91.	Jitional support for the storm 06/26/19 13:15 CST 06/26/19 13:15 CST • Carter County line. 00] 06/26/19 13:40 CST	ns. The air mass	was strongly unst 1K 0 0 0 0 , 2.2 NNW VAN BU	able, with surface capes Thunderstorm Wind (EG 52 kt) Source: Fire Department/Rescue Hail (1.00 in) Source: Broadcast Media JREN [37.03, -91.03], 3.1 WSW
over 3000 j/kg. RIPLEY COUNTY 8.0 N BRIAR [36.77, -90.97] A tree was blown down on C Highway close to the RIPLEY COUNTY 2.0 WNW BRIAR [36.66, -91. CARTER COUNTY 2.8 SSE ELLSINORE [36.88 CHICOPEE [36.97, -91.08], 1.3 ESE CHILTON [36	Jitional support for the storm 06/26/19 13:15 CST 06/26/19 13:15 CST • Carter County line. 00] 06/26/19 13:40 CST 06/26/19 13:40 CST 06/26/19 13:40 CST 06/26/19 13:50 CST 06/26/19 13:50 CST 06/26/19 20:00 CST	ns. The air mass	was strongly unst 1K 0 0 0 , 2.2 NNW VAN BU 5K 0	able, with surface capes Thunderstorm Wind (EG 52 kt) Source: Fire Department/Rescue Hail (1.00 in) Source: Broadcast Media JREN [37.03, -91.03], 3.1 WSW Flood (due to Heavy Rain) Source: Trained Spotter
A tree was blown down on C Highway close to the RIPLEY COUNTY 8.0 N BRIAR [36.77, -90.97] A tree was blown down on C Highway close to the RIPLEY COUNTY 2.0 WNW BRIAR [36.66, -91. CARTER COUNTY 2.8 SSE ELLSINORE [36.85 CHICOPEE [36.97, -91.08], 1.3 ESE CHILTON [36 Four to five inches of water was over the roadway RIPLEY COUNTY 1.7 WSW DONIPHAN [36.61,	Jitional support for the storm 06/26/19 13:15 CST 06/26/19 13:15 CST • Carter County line. 00] 06/26/19 13:40 CST 06/26/19 13:40 CST 06/26/19 13:40 CST 06/26/19 13:50 CST 06/26/19 13:50 CST 06/26/19 20:00 CST at the intersection of FF High	ns. The air mass	was strongly unst 1K 0 0 0 0 0 0 0 0 0 0 0 0 0	able, with surface capes Thunderstorm Wind (EG 52 kt) Source: Fire Department/Rescue Hail (1.00 in) Source: Broadcast Media JREN [37.03, -91.03], 3.1 WSW Flood (due to Heavy Rain) Source: Trained Spotter g was reported in Van Buren.
A tree was blown down on C Highway close to the RIPLEY COUNTY 8.0 N BRIAR [36.77, -90.97] A tree was blown down on C Highway close to the RIPLEY COUNTY 2.0 WNW BRIAR [36.66, -91. CARTER COUNTY 2.8 SSE ELLSINORE [36.85 CHICOPEE [36.97, -91.08], 1.3 ESE CHILTON [36 Four to five inches of water was over the roadway RIPLEY COUNTY 1.7 WSW DONIPHAN [36.61,	Jitional support for the storm 06/26/19 13:15 CST 06/26/19 13:15 CST • Carter County line. 00] 06/26/19 13:40 CST 06/26/19 13:40 CST 06/26/19 13:40 CST 06/26/19 13:50 CST 06/26/19 13:50 CST 06/26/19 20:00 CST at the intersection of FF High	ns. The air mass	was strongly unst 1K 0 0 0 0 0 0 0 0 0 0 0 0 0	able, with surface capes Thunderstorm Wind (EG 52 kt) Source: Fire Department/Rescue Hail (1.00 in) Source: Broadcast Media JREN [37.03, -91.03], 3.1 WSW Flood (due to Heavy Rain) Source: Trained Spotter g was reported in Van Buren.
A tree was blown down on C Highway close to the RIPLEY COUNTY 8.0 N BRIAR [36.77, -90.97] A tree was blown down on C Highway close to the RIPLEY COUNTY 2.0 WNW BRIAR [36.66, -91. CARTER COUNTY 2.8 SSE ELLSINORE [36.85 CHICOPEE [36.97, -91.08], 1.3 ESE CHILTON [36 Four to five inches of water was over the roadway RIPLEY COUNTY 1.7 WSW DONIPHAN [36.61,	Jitional support for the storm 06/26/19 13:15 CST 06/26/19 13:15 CST • Carter County line. 00] 06/26/19 13:40 CST 06/26/19 13:40 CST 06/26/19 13:40 CST 06/26/19 13:50 CST 06/26/19 13:50 CST 06/26/19 13:50 CST 06/26/19 20:00 CST at the intersection of FF High ,-90.85], 1.2 SW OWENMONT	ns. The air mass	was strongly unst 1K 0 0 0 , 2.2 NNW VAN BU 5K 0 Road 327. Flooding 0.9 S HILL TOP [36	able, with surface capes Thunderstorm Wind (EG 52 kt) Source: Fire Department/Rescue Hail (1.00 in) Source: Broadcast Media JREN [37.03, -91.03], 3.1 WSW Flood (due to Heavy Rain) Source: Trained Spotter g was reported in Van Buren. 6.64, -90.80], 1.6 NW DONIPHAN
A tree was blown down on C Highway close to the RIPLEY COUNTY 8.0 N BRIAR [36.77, -90.97] A tree was blown down on C Highway close to the RIPLEY COUNTY 2.0 WNW BRIAR [36.66, -91. CARTER COUNTY 2.8 SSE ELLSINORE [36.85 CHICOPEE [36.97, -91.08], 1.3 ESE CHILTON [36 Four to five inches of water was over the roadway RIPLEY COUNTY 1.7 WSW DONIPHAN [36.61, [36.63, -90.84]	Jitional support for the storm 06/26/19 13:15 CST 06/26/19 13:15 CST • Carter County line. 00] 06/26/19 13:40 CST 06/26/19 13:40 CST 06/26/19 13:40 CST 06/26/19 13:40 CST 06/26/19 13:50 CST 06/26/19 13:50 CST 06/26/19 20:00 CST at the intersection of FF High ,-90.85], 1.2 SW OWENMONT 06/26/19 14:00 CST 06/26/19 19:15 CST	ns. The air mass RE [36.96, -90.73] way and County T [36.61, -90.79],	was strongly unst 1K 0 0 0 2.2 NNW VAN BU 5K 0 Road 327. Flooding 0.9 S HILL TOP [36 50K 0	able, with surface capes Thunderstorm Wind (EG 52 kt) Source: Fire Department/Rescue Hail (1.00 in) Source: Broadcast Media JREN [37.03, -91.03], 3.1 WSW Flood (due to Heavy Rain) Source: Trained Spotter g was reported in Van Buren. 6.64, -90.80], 1.6 NW DONIPHAN Flash Flood (due to Heavy Rain) Source: Broadcast Media
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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A tree was down.				
MISSISSIPPI COUNTY EAST PRAI	RIE [36.78, -89.38]			
	06/26/19 16:50 CST		1K	Thunderstorm Wind (EG 52 kt)
	06/26/19 16:50 CST		0	Source: Public
Large tree limbs were down in East Pr	airie.			
MISSISSIPPI COUNTY 6.0 N WYAT	T [37.0189.22]			
	06/26/19 17:20 CST		2K	Thunderstorm Wind (EG 52 kt)
	06/26/19 17:20 CST		0	Source: Broadcast Media
A tree fell on Interstate 57 at mile mark	er 20 near the Mississippi River. The tre	ee was cleared by	he Missouri Depar	tment of Transportation.
STODDARD COUNTY 0.6 E PAXIC E SHOVER [36.68, -90.07]	O [36.95, -90.16], 2.7 N ACORN RIDGE	[36.96, -90.06], 2.6	WSW AVERT [36	.91, -89.87], BERNIE [36.68, -89.97], 1.8
• • •	06/27/19 05:00 CST		10K	Flash Flood (due to Heavy Rain)
	06/27/19 15:00 CST		0	Source: Law Enforcement
	d, and water was approaching several h ere flooded. Access to homes and busin			
BUTLER COUNTY 1.8 SW HENDRI				
	06/27/19 07:00 CST		1K	Thunderstorm Wind (EG 50 kt)
	06/27/19 07:00 CST		0	Source: Public
A tree fell across U.S. Highway 67 bet	ween the Black River bridge and the Hig	hway 60 split.		
-	68, -90.25], NEELYVILLE [36.57, -90.50), HARVIELL [36.6	7, -90.47], HENDR	CICKSON [36.90, -90.48], ROMBAUER
[36.85, -90.28]	06/27/19 08:00 CST		0	Flash Flood (due to Heavy Rain)
	06/27/19 11:00 CST		0	Source: Law Enforcement
147.4				
Water was over roads.				

A very slow-moving thunderstorm complex dumped very heavy rainfall across parts of southeast Missouri during the early morning hours. Some flash flooding was reported, along with isolated strong winds.