

Flooding & Tornadoes Across Eastern Missouri to West-Central Illinois

December 27th, 2008

Overview

Six tornadoes occurred over parts of eastern Missouri and west-central Illinois late Saturday morning of December 27, 2008.

In central Missouri, the first of a series of brief tornado touchdowns occurred at 10:05 AM CST in eastern Audrain County approximately 2 miles west of Laddonia. A grain silo was damaged at this location. The tornado rapidly skipped northeast and damaged a large machine shed about 3/4 of a mile north of Laddonia. The damage track was not continuous while the total length of the damage track was 3.5 miles long. Damage intensity was EF-0 on the Enhanced Fujita Scale.

In northeast Missouri (Ralls County) another tornado initially touched down at 10:00 AM CST 2 miles north of the town of Center near Highway H. Two machine sheds and large tree limbs were damaged by the tornado. The tornado rapidly moved northeast and touched down a second time southeast of the intersection of Homestead and Kingsville Lane's. Three machine sheds and large tree limbs were damaged at this location. The damage was intermittent while the total length of the damage track was 4 miles. Damage width was 30 yards wide and damage intensity was EF-0.

A second tornado touchdown occurred in northeast Ralls County approximately 1.5 miles west-southwest of the intersection of U.S. 61 and County Road HH. Tree damage from brief touchdowns occurred along and south of County Road HH. At the intersection of U.S. 61 and County Road HH, damage consisted of roof and window damage to two small apartment complexes, road signs, and trees. Additional tree damage was also noted along New London Gravel Road near a historic home where Mark Twain stayed. Total length of the damage track was 1.25 miles while damage width was 30-40 yards. Damage intensity was EF-0.

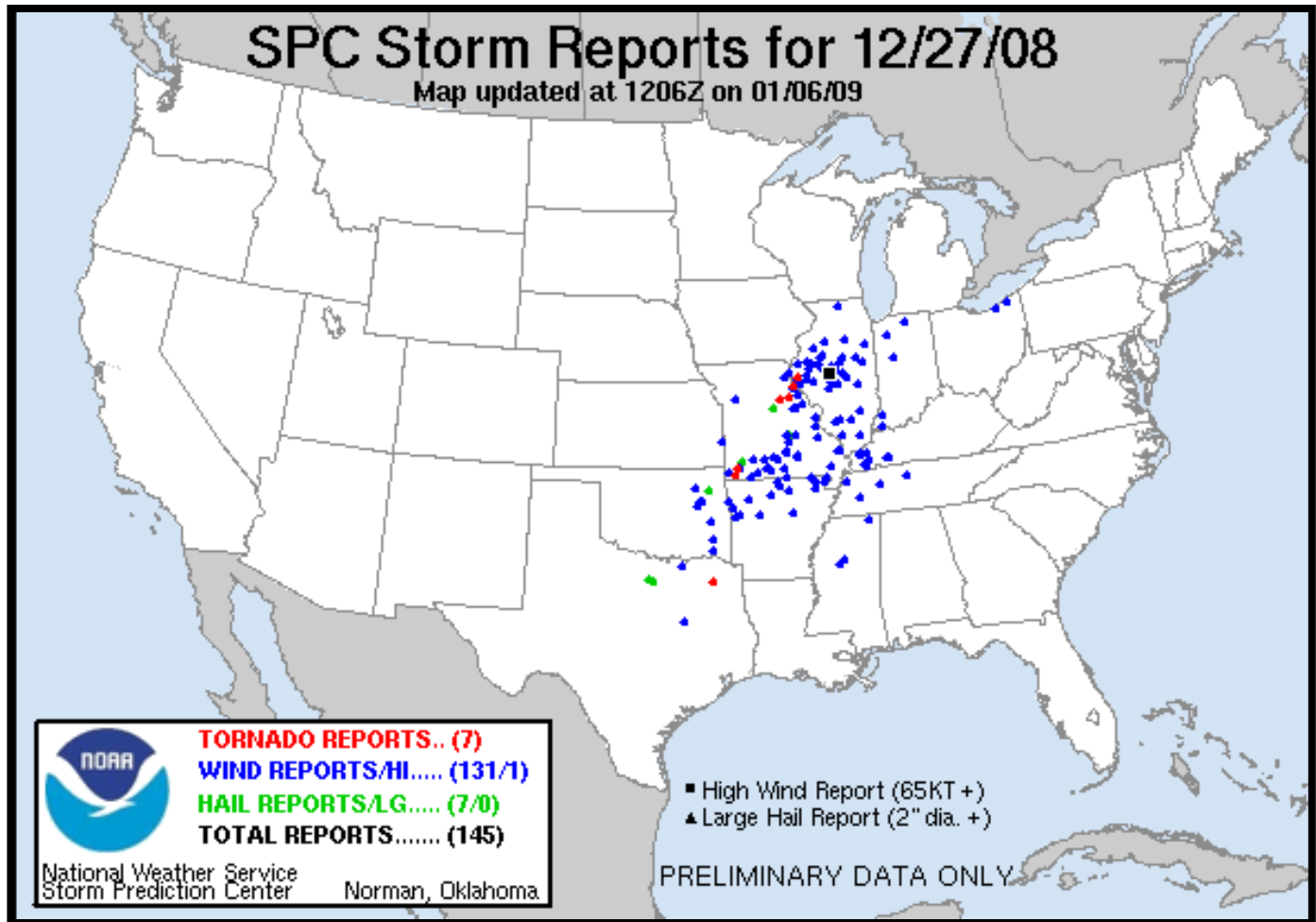
In west-central Illinois (Adams County) two tornadoes touched down north and northeast of Liberty. The first tornado occurred at 10:30 AM CST 2 miles north-northwest of Liberty or 0.5 miles east of the intersection of Highway 104 and County Road 1050. A large machine shed housing bales of hay was completely destroyed with debris blown 1 mile to the north and northeast along a tree line. Some of the larger pieces of metal sheeting were embedded near the tops of the large trees. Four large power poles were snapped near the ground just north of the large machine shed. Total damage path of this tornado was 1.2 miles long while the damage width was 30-40 yards wide. Damage intensity was EF-1.

A second tornado in Adams County initially touched down 2.5 miles northeast of Liberty at the intersection of County Roads E 2250th and N 1025th. Tree damage was noted at this intersection. This tornado traveled northeast and damaged a small machine shed and several large pine trees. The overall damage path was 1 mile long while the damage width was approximately 30 yards. Damage intensity was rated EF-0.

In east-central Missouri (Lincoln County) another tornado occurred at 11:10 AM CST over north-central Lincoln County approximately 1.5 miles southeast of Davis along and south of Penrod Road. The tornado initially touched down in an open field west of a farmstead and destroyed a two story barn. Roughly 6'x6' supports from a two story barn and 2'x4' pieces of wood were driven into the ground northeast of the barn. A home about 60 yards to the northeast of the barn was severely damaged. Much of the roof along with the west side of the home was destroyed. The debris from the barn and home was observed 1 mile to the northeast in an open field. Two other homes in a subdivision to the east of the farmstead sustained minor roof damage. Other smaller machine sheds and large tree limbs 1 to 1.5 miles east-northeast of the farmstead sustained varying degrees of damage. The overall damage path length was 1.5 miles while damage width ranged from 30 to 40 yards. Damage intensity was rated the high end of EF-1.

In summary, 6 tornadoes occurred over parts of Missouri and west-central Illinois on Saturday morning, December 27th, 2008. Two tornadoes caused EF-1 damage and the other four caused EF-0 damage.

Storm Reports



Storm Reports from 27 December 2008 courtesy of the Storm Prediction Center.

Preliminary Storm Reports for December 27th – 28th:

TIME	LOCATION (COUNTY)	EVENT	REMARKS
0920 AM	EWING (LEWIS MO)	TSTM WND DMG	DECK DAMAGED
0935 AM	CANTON (LEWIS MO)	TSTM WND DMG	TREES DOWN IN CANTON
0940 AM	THOMPSON (AUDRAIN MO)	TORNADO	BRIEF TORNADO. NO DAMAGE REPORTED
1010 AM	1 N LADDONIA (AUDRAIN MO)	TSTM WND DMG	BARN DESTROYED
1010 AM	6 N NEW LONDON (RALLS MO)	TORNADO	TWO HOMES DAMAGED
1010 AM	NEW LONDON (RALLS MO)	TSTM WND DMG	HOME REPORTED DAMAGED
1015 AM	1 N LADDONIA (AUDRAIN MO)	TORNADO	HANGER DESTROYED
1030 AM	2 NW LIBERTY (ADAMS IL)	TSTM WND DMG	HOME REPORTED DAMAGED NEAR LIBERTY
1033 AM	4 NW LIBERTY (ADAMS IL)	TORNADO	ROOFS OF 3 HOMES LIFTED AND THROWN
1037 AM	BOWLING GREEN (PIKE MO)	TSTM WND DMG	ROOF DAMAGE TO LIVESTOCK BLDGS
1037 AM	BARRY (PIKE IL)	TSTM WND DMG	TREE LIMBS AND POWER LINES DOWN
1037 AM	5 N LIBERTY (ADAMS IL)	TORNADO	MACHINE SHED DESTROYED
1041 AM	(MONTGOMERY MO)	TSTM WND DMG	SHINGLES BLOWN OFF OF A MOTEL.
1054 AM	3 N PERRY (PIKE IL)	TSTM WND DMG	TREES BLOCKING THE INTERSECTION
1058 AM	(MONTGOMERY MO)	TSTM WND DMG	SHINGLES BLOWN OFF THREE BUILDINGS
1110 AM	DAVIS (LINCOLN MO)	TSTM WND DMG	ROOF DAMAGE AT A 40 YEAR OLD HOUSE
1110 AM	1 NW TROY (LINCOLN MO)	TSTM WND DMG	BARN DESTROYED

Preliminary Storm Reports for December 27th – 28th:

1110 AM	1 NW TROY (LINCOLN MO)	TSTM WND DMG	1 TO 2 MILES NW OF TROY...BARN DESTROYED
1130 AM	FORISTELL (ST. CHARLES MO)	WND DMG	WIND GUST TO 48 MPH
1205 PM	4 N JERSEYVILLE (GREENE IL)	TSTM WND DMG	35 MPH WIND GUST
1230 PM	GIRARD (MACOUPIN IL)	TSTM WND DMG	6 HOMES DAMAGED BY LIMBS.
1245 PM	1 N BEAUFORT (FRANKLIN MO)	TSTM WND GST	TREE LIMBS DOWN
1245 PM	6 SW STEELVILLE (CRAWFORD MO)	TSTM WND DMG	58 MPH WIND GUST
1245 PM	1 N BEAUFORT (FRANKLIN MO)	TSTM WND GST	ESTIMATED 50 MPH GUST
1245 PM	CUBA (CRAWFORD MO)	TSTM WND DMG	MINOR ROOF DAMAGE TO ONE BLDG IN CUBA
0104 PM	MOSELLE (FRANKLIN MO)	TSTM WND DMG	ESTIMATED 40 MPH WIND GUST ALONG I-44
0117 PM	COTTLEVILLE (ST. CHARLES MO)	FLASH FLOOD	WATER OVER HIGHWAY N
0117 PM	WASHINGTON (FRANKLIN MO)	FLASH FLOOD	STREETS FLOODED IN WASHINGTON
0125 PM	ELLISVILLE (ST. LOUIS MO)	TSTM WND DMG	1.02 IN OF RAIN SINCE MIDNIGHT
0126 PM	COTTLEVILLE (ST. CHARLES MO)	FLASH FLOOD	MOTHERHEAD RD CLOSED DUE TO A MUD SLIDE
0126 PM	NEW MELLE (ST. CHARLES MO)	FLASH FLOOD	HWY F DOWN TO 1 LANE DUE TO FLOODING
0126 PM	WILDWOOD (ST. LOUIS MO)	TSTM WND DMG	48 MPH WIND GUST AT HIGHWAY 100 AND 109
0132 PM	JEFFERSON CITY (COLE MO)	FLOOD	MINOR STREET FLOODING
0140 PM	CHESTERFIELD (ST. LOUIS MO)	FLASH FLOOD	WATER OVER THE ROADS
0141 PM	HAZELWOOD (ST. LOUIS MO)	FLASH FLOOD	STREET FLOODING REPORTED
0141 PM	BALLWIN (ST. LOUIS MO)	FLASH FLOOD	MINOR STREET FLOODING IN BALLWIN.
0148 PM	(ST. CHARLES MO)	FLASH FLOOD	WATER REPORTED OVER HWY D
0150 PM	HARVESTER (ST. CHARLES MO)	FLASH FLOOD	WATER REPORTED OVER PITTMAN HILL ROAD
0150 PM	FENTON (ST. LOUIS MO)	TSTM WND DMG	ONE LIMB FELL ON A PICK-UP TRUCK
0159 PM	(ST. CHARLES MO)	FLASH FLOOD	WATER AND DEBRIS OVER THE ROAD
0200 PM	(MACOUPIN IL)	HEAVY RAIN	1.42 INCHES OR RAIN AS OF 2 PM

Preliminary Storm Reports for December 27th - 28th:

0200 PM	OAKVILLE (ST. LOUIS MO)	TSTM WND GST	SMALL TREE LIMBS DOWN. BACKYARDS FLOODED
0205 PM	MAPLEWOOD (ST. LOUIS MO)	FLASH FLOOD	ABOUT 1 IN OF WATER ON MANCHESTER RD
0206 PM	HILLSBORO (JEFFERSON MO)	TSTM WND GST	ESTIMATED 40 MPH WIND GUST
0218 PM	2 N HILLSBORO (JEFFERSON MO)	FLASH FLOOD	WATER OVER HWY BB,
0220 PM	3 N DE SOTO (JEFFERSON MO)	TSTM WND DMG	ALONG HIGHWAY JJ, 40 TO 45 MPH WIND GUST
0220 PM	KIRKWOOD (ST. LOUIS MO)	FLASH FLOOD	MINOR STREET FLOODING IN KIRKWOOD
0225 PM	ST. PETERS (ST. CHARLES MO)	FLASH FLOOD	SEVERAL REPORTS OF MINOR STREET FLOODING
0229 PM	GODFREY (MADISON IL)	FLASH FLOOD	STREET FLOODING REPORTED IN GODFREY
0242 PM	BETHALTO (MADISON IL)	FLASH FLOOD	STREET FLOODING REPORTED IN BETHALTO
0242 PM	WOOD RIVER (MADISON IL)	HEAVY RAIN	1.60 INCHES OF RAIN SINCE 8 AM
0242 PM	DEFIANCE (ST. CHARLES MO)	FLASH FLOOD	FEMME OSAGE CREEK WAS OUT OF ITS BANKS
0245 PM	ALTON (MADISON IL)	HEAVY RAIN	1.2 INCHES SINCE 1 PM
0302 PM	WATERLOO (MONROE IL)	FLASH FLOOD	STREET FLOODING
0307 PM	GILLESPIE (MACOUPIN IL)	FLASH FLOOD	MINOR STREET FLOODING
0307 PM	ST. LOUIS (ST. LOUIS CITY MO)	FLASH FLOOD	MINOR FLOODING ON FOREST PARK
0307 PM	SHIPMAN (MACOUPIN IL)	FLASH FLOOD	HIHGWAY 16 CLOSED DUE TO FLOODING
0307 PM	ST. LOUIS (ST. LOUIS CITY MO)	FLASH FLOOD	STREET FLOODING AROUND CARONDELET PARK
0307 PM	FARMINGTON (ST. FRANCOIS MO)	TSTM WND DMG	REPORT OF ONE POWER LINE DOWN
0307 PM	FARMINGTON (ST. FRANCOIS MO)	TSTM WND DMG	TREE REPORTED DOWN IN FARMINGTON
0318 PM	3 E JERSEYVILLE (JERSEY IL)	FLASH FLOOD	HIGHWAY 16 IMPASSABLE
0337 PM	RED BUD (RANDOLPH IL)	TSTM WND DMG	PEAK WIND GUST MEASURED OF 48 MPH
0355 PM	WSW MASCOUTAH (ST. CLAIR IL)	HEAVY RAIN	2.07 INCHES OF RAIN
0359 PM	SULLIVAN (FRANKLIN MO)	HEAVY RAIN	MEASURED 1.40 SINCE 12 NOON
0417 PM	FREEBURG (ST. CLAIR IL)	HEAVY RAIN	FROM 345 PM TO 415 PM, 1.22 INCHES OF RAIN

Preliminary Storm Reports for December 27th – 28th:

0417 PM	BELLEVILLE (ST. CLAIR IL)	HEAVY RAIN	SINCE 2 PM...2.75 INCHES OF RAIN
0418 PM	(WASHINGTON IL)	TSTM WND DMG	TREE LIMBS DOWN
0440 PM	NASHVILLE (WASHINGTON IL)	TSTM WND DMG	TREE LIMBS REPORTED DOWN
0454 PM	CENTRALIA (MARION IL)	TSTM WND GST	52 MPH AT CENTRALIA AIRPORT
0459 PM	3 SW FESTUS (JEFFERSON MO)	HEAVY RAIN	M1.50 INCHES SINCE 315 PM THIS AFTERNOON
0508 PM	SALEM (MARION IL)	TSTM WND GST	AT THE SALEM AIRPORT, 54 MPH
0520 PM	(MONTGOMERY MO)	HEAVY RAIN	MEASURED 1.80 INCHES
0755 PM	ELLISVILLE (ST. LOUIS MO)	HEAVY RAIN	MEASURED 1.46 INCHES
0828 PM	AVISTON (CLINTON IL)	HEAVY RAIN	M1.42 INCHES, SOME FLOODING ON BACK ROADS
1032 PM	2 S AVISTON (CLINTON IL)	FLOOD	WATER RESCUE , TWO PEOPLE IN CAR ON SUGAR CREEK
1254 AM	3 E HIGHLAND (MADISON IL)	HEAVY RAIN	M2.48 TOTAL SINCE ABOUT 3 PM SATURDAY
0424 AM	GIRARD (MACOUPIN IL)	HEAVY RAIN	M1.60 TOTAL SINCE 9 AM SATURDAY

Please note that while the severe weather data presented in this event synopsis has been quality controlled, it is still considered unofficial. Official reports & statistics for severe weather events can be found in the **Storm Data** publication (<http://www.ncdc.noaa.gov/IPS/sd/sd.html>) or **Storm Events Database** (<http://www.ncdc.noaa.gov/stormevents/>), available from the National Centers for Environmental Information (NCEI) web page [formerly the National Climate Data Center (NCDC)].

More detailed tornado track information can be accessed using the National Weather Service Damage Assessment Toolkit for all tornadoes beginning in 2012. <https://apps.dat.noaa.gov/StormDamage/DamageViewer/>

Any questions regarding this event review should be address to w-lsx.webmaster@noaa.gov