Storm Data and Unusual Weather Phenomena - January 2009

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

INDIANA, South Central

(IN-Z076) ORANGE, (IN-Z077) WASHINGTON, (IN-Z078) SCOTT, (IN-Z079) JEFFERSON, (IN-Z083) DUBOIS, (IN-Z084) CRAWFORD, (IN-Z090) HARRISON, (IN-Z091) FLOYD, (IN-Z092) CLARK

	01/27/09 00:30 EST		0	Winter Storm
	01/28/09 12:00 EST		0	

(IN-Z089) PERRY

	01/27/09 00:30 EST		0	Blizzard
	01/28/09 11:30 EST		0	

A prolonged ice and snow storm began around just after midnight Tuesday January 27 and continued through 11 am Wednesday January 28. The mixed freezing rain and snow that fell over southern Indiana was just one aspect of a widespread overrunning event that brought destructive winter weather from Texas, through the Ohio Valley, into New England. Arctic air centered across the Upper Midwest supplied low level cold air. Several disturbances moved east across a nearly stationary front stalled across the Tennessee Valley. Snow, mixed with sleet along the Ohio River accumulated to around 3 to 5 inches by dawn on January 27th. During the afternoon and into the morning hours on the 28th, freezing rain developed and brought widespread ice accumulations averaging 1/2 inch. Icing lead to widespread tree damage and power outages during the overnight hours spanning the 27th and the 28th. Colder air arrived during the early morning hours on the 28th. Freezing rain changed back to snow with additional accumulations of 3 to 4 inches.

KENTUCKY, Central

(KY-Z023) HANCOCK, (KY-Z024) BRECKINRIDGE, (KY-Z025) MEADE, (KY-Z026) OHIO, (KY-Z027) GRAYSON, (KY-Z028) HARDIN, (KY-Z029) BULLITT, (KY-Z030) JEFFERSON, (KY-Z031) OLDHAM, (KY-Z032) TRIMBLE, (KY-Z033) HENRY, (KY-Z034) SHELBY, (KY-Z036) SCOTT, (KY-Z037) HARRISON, (KY-Z038) SPENCER, (KY-Z039) ANDERSON, (KY-Z040) WOODFORD, (KY-Z041) FAYETTE, (KY-Z042) BOURBON, (KY-Z043) NICHOLAS, (KY-Z045) NELSON, (KY-Z046) WASHINGTON, (KY-Z047) MERCER, (KY-Z048) JESSAMINE, (KY-Z049) CLARK, (KY-Z053) LARUE, (KY-Z054) MARION, (KY-Z055) BOYLE, (KY-Z056) GARRARD, (KY-Z057) MADISON, (KY-Z061) BUTLER, (KY-Z062) EDMONSON, (KY-Z063) HART, (KY-Z064) GREEN, (KY-Z065) TAYLOR, (KY-Z066) CASEY, (KY-Z067) LINCOLN, (KY-Z070) LOGAN, (KY-Z071) WARREN, (KY-Z072) SIMPSON, (KY-Z074) BARREN, (KY-Z076) METCALFE, (KY-Z077) ADAIR, (KY-Z078) RUSSELL

	01/27/09 00:00 CST		0	Winter Storm
	01/28/09 12:00 CST		0	

(KY-Z023) HANCOCK, (KY-Z024) BRECKINRIDGE, (KY-Z025) MEADE, (KY-Z026) OHIO, (KY-Z027) GRAYSON, (KY-Z028) HARDIN, (KY-Z029) BULLITT, (KY-Z030) JEFFERSON, (KY-Z031) OLDHAM, (KY-Z032) TRIMBLE, (KY-Z033) HENRY, (KY-Z034) SHELBY, (KY-Z036) SCOTT, (KY-Z037) HARRISON, (KY-Z038) SPENCER, (KY-Z039) ANDERSON, (KY-Z040) WOODFORD, (KY-Z041) FAYETTE, (KY-Z042) BOURBON, (KY-Z043) NICHOLAS, (KY-Z045) NELSON, (KY-Z046) WASHINGTON, (KY-Z047) MERCER, (KY-Z048) JESSAMINE, (KY-Z049) CLARK, (KY-Z053) LARUE, (KY-Z054) MARION, (KY-Z055) BOYLE, (KY-Z056) GARRARD, (KY-Z057) MADISON, (KY-Z061) BUTLER, (KY-Z062) EDMONSON, (KY-Z063) HART, (KY-Z064) GREEN, (KY-Z065) TAYLOR, (KY-Z066) CASEY, (KY-Z067) LINCOLN, (KY-Z070) LOGAN, (KY-Z071) WARREN, (KY-Z072) SIMPSON, (KY-Z074) BARREN, (KY-Z076) METCALFE, (KY-Z077) ADAIR, (KY-Z078) RUSSELL

	01/27/09 00:00 EST	1	0	Winter Storm
	01/28/09 13:30 EST		0	

A prolonged ice and snow storm began around just after midnight Tuesday January 27 and continued through 11 am Wednesday January 28. The mixed freezing rain and snow that fell over central Kentucky was just one aspect of a widespread overrunning event that brought destructive winter weather from Texas, through the Ohio Valley, into New England. Arctic air centered across the Upper Midwest supplied low level cold air. Several disturbances moved east across a nearly stationary front stalled across the Tennessee Valley.

Snow, mixing with sleet, brought accumulations of around 2 to 4 inches from areas just south of the Ohio River through Frankfort and the northern Bluegrass Region by dawn on January 27th. Farther south during this time, ice accumulations ranging from one half to just over one inch stretched from Ohio county eastward through the southern Bluegrass Region. Along the Tennessee border, ice on elevated surfaces averaged one quarter of an inch.

During the afternoon of the 27th and into the morning hours on the 28th, freezing rain developed along and north of interstate 64 and brought widespread ice accumulations averaging 1/2 inch. Rain fell over south central Kentucky. Icing lead to widespread tree damage and power outages by the morning of the 28th. Colder air arrived after dawn on the 28th. Freezing rain changed back to snow with additional accumulations of 1 to 3 inches along and north of Interstate 64.

This winter storm brought the most widespread damage due to icing in recent memory across Kentucky. Ice accumulated over 1 inch

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across central portions of the Commonwealth, including Grayson, Ohio, Butler and Breckinridge counties. Over 600,000 residences lost power, exceeding the number of outages due to the remnants of hurricane Ike last September. Utility companies stated that this event brought the greatest number of outages from any weather event in history.

The almost continuous rain or snow over a 36 hour period brought 3 to 4 inches of precipitation over a wide area and even lead to some minor flooding.

Direct Fatalities: F54PH

BOURBON COUNTY --- 0.4 NW PARIS [38.22, -84.26], 0.4 NNW PARIS [38.23, -84.25], 0.2 ENE PARIS [38.22, -84.25], 0.1 WSW PARIS [38.22, -84.25]

	01/28/09 18:30 EST	5K	Flood (due to Heavy Rain / Snow Melt)
	01/29/09 21:20 EST	0	Source: Official NWS Observations

Snow and ice melt from a recent winter storm, coupled with heavy rainfall caused minor flooding on Stoner Creek near Paris. The creek crested at 18.5 feet, 0.5 feet above flood stage, at 0400 local time on January 29th.

WARREN COUNTY --- BARREN RIVER [37.05, -86.52], 3.4 NW BOWLING GREEN [37.01, -86.48], 2.5 N BOWLING GREEN [37.02, -86.44], 2.3 SE GREENCASTLE [37.06, -86.47]

	01/29/09 00:15 CST	5K	Flood (due to Heavy Rain / Snow Melt)
	01/30/09 21:30 CST	5K	Source: Official NWS Observations

Melting ice from a recent ice storm and heavy rain created minor flooding along the Barren River near Bowling Green. The river crested at 30.44 feet, which is 2.44 feet above flood stage, at 0900 CST on January 29th.

BUTLER COUNTY --- 0.9 E WOODBURY [37.18, -86.63], 1.3 E WOODBURY [37.18, -86.63], 1.3 ENE WOODBURY [37.19, -86.63], 1.0 NE WOODBURY [37.19, -86.63]

	01/29/09 22:10 CST	2K	Flood (due to Heavy Rain / Snow Melt)
	01/30/09 06:00 CST	5K	Source: Official NWS Observations

Ice and snow melt from a recent winter storm coupled with heavy rain caused minor flooding near Woodbury. The river crested at 39 feet, 6 feet above flood stage, on January 30th at 0600 local time.

HART COUNTY --- 1.1 S WOODSONVILLE [37.25, -85.90], 0.8 SSE WOODSONVILLE [37.26, -85.89], 0.4 SE WOODSONVILLE [37.27, -85.90], 0.5 SW WOODSONVILLE [37.26, -85.91]

	01/29/09 22:20 CST	5K	Flood (due to Heavy Rain / Snow Melt)
	01/31/09 18:00 CST	5K	Source: Official NWS Observations

Ice melt from a recent ice storm coupled with heavy rain created minor flooding along the Green River near Munfordville. The river crested at 32.73 feet, 4.73 feet above flood stage, on January 30th at 1945 local time.

Melting from an ice storm on January 27th combined with rain on the 28th created minor river flooding along the Barren and Green Rivers in South Central Kentucky. Minor flooding was also reported on Stoner Creek in Bourbon County in the Bluegrass Region of North Central Kentucky.

Storm Data and Unusual Weather Phenomena - February 2009

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

KENTUCKY, Central

BUTLER COUNTY --- ROCHESTER [37.22, -86.90], 1.6 W ROCHESTER [37.22, -86.93], 1.9 WNW ROCHESTER [37.23, -86.93], 1.2 NNW ROCHESTER [37.24, -86.91]

	02/01/09 00:00 CST	0	Flood (due to Heavy Rain / Snow Melt)
	02/03/09 16:30 CST	5K	Source: Official NWS Observations

The Green River at Rochester began flooding on January 29th at 0600 and stayed above flood stage, which is 17 feet, until February 3rd at 1630. The river crested at 20.4 feet, 3.4 feet above flood stage, on February 1st at 1200.

BUTLER COUNTY --- WOODBURY [37.18, -86.65], 2.3 E WOODBURY [37.18, -86.61], 2.9 NE WOODBURY [37.20, -86.61], 2.0 NNE WOODBURY [37.21, -86.64]

	02/01/09 00:00 CST	0	Flood (due to Heavy Rain / Snow Melt)
	02/01/09 08:45 CST	5K	Source: Official NWS Observations

The Green River at Woodbury began flooding on January 30th at 0410. The river crested on January 30th at 1200 at 39.0 feet, 6 feet above flood stage, and remained above flood stage until February 2nd at 0845.

Runoff from ice and snow at the end of January followed by rain resulted in minor flooding along the Green River near Rochester.