

Storm Data and Unusual Weather Phenomena - January 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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INDIANA, South Central

(IN-Z076) ORANGE, (IN-Z077) WASHINGTON, (IN-Z078) SCOTT, (IN-Z079) JEFFERSON, (IN-Z083) DUBOIS, (IN-Z084) CRAWFORD, (IN-Z089) PERRY, (IN-Z090) HARRISON, (IN-Z091) FLOYD, (IN-Z092) CLARK

01/20/11 08:00 EST	0	Heavy Snow
01/20/11 18:00 EST	0	

Lift associated with warm air advection and the approach of a quick moving upper air trough brought heavy snow across southern Indiana on January 20th. Snow developed during the morning hours and spread southeast toward the Ohio River by mid afternoon. Visibilities were reduced to one half mile at times during the early afternoon in periods of heavy snow. Despite the relatively quick movement of this system, 4 to 6 inches of snow fell across all of southern Indiana before ending by late afternoon.

(IN-Z083) DUBOIS, (IN-Z089) PERRY

01/25/11 23:00 EST	0	Heavy Snow
01/26/11 06:00 EST	0	

On January 25th and the 26th, an intensifying closed upper low moved across the Tennessee Valley during the overnight hours. During the evening hours on the 25th, a surface trough moved eastward across Kentucky and southern Indiana. Behind the axis of this trough, rain quickly turned to snow by mid-evening across southern Indiana. Although much of the heavier snow associated with wrap-around moisture north of the closed upper low fell across Kentucky, a narrow band of heavy snow developed around midnight across southwestern Indiana and remained nearly stationary for several hours. Although in general, only one to two inches of snow were measured overnight across the region, 3 to locally 5 inches of snow fell in a 4 hour period within this band.

KENTUCKY, Central

(KY-Z023) HANCOCK, (KY-Z030) JEFFERSON, (KY-Z031) OLDHAM, (KY-Z032) TRIMBLE, (KY-Z033) HENRY, (KY-Z034) SHELBY, (KY-Z035) FRANKLIN, (KY-Z036) SCOTT, (KY-Z037) HARRISON, (KY-Z041) FAYETTE, (KY-Z042) BOURBON, (KY-Z043) NICHOLAS, (KY-Z053) LARUE, (KY-Z055) BOYLE, (KY-Z066) CASEY

01/20/11 11:00 EST	0	Heavy Snow
01/20/11 22:00 EST	0	

Warm air advection, combined with lift associated with an approaching trough, spread occasionally heavy snow across north central Kentucky. Snow developed during the late morning hours along the Ohio River and moved southeast and covered the entire central portion of the Commonwealth by mid afternoon. Snow ended by late afternoon west of Interstate 65 and by early evening farther east across the Bluegrass Region. Across an area north of a line from Louisville to just east of Lexington, snowfall became heavy for a time, with total accumulations from 3 to 5 inches. Snowfall totals diminished farther south, lowering to around 2 inches along the Tennessee border.

(KY-Z024) BRECKINRIDGE, (KY-Z026) OHIO, (KY-Z027) GRAYSON, (KY-Z028) HARDIN, (KY-Z061) BUTLER, (KY-Z063) HART, (KY-Z070) LOGAN, (KY-Z071) WARREN, (KY-Z072) SIMPSON, (KY-Z077) ADAIR

01/25/11 22:00 CST	0	Heavy Snow
01/26/11 08:00 CST	0	

(KY-Z024) BRECKINRIDGE, (KY-Z026) OHIO, (KY-Z027) GRAYSON, (KY-Z028) HARDIN, (KY-Z061) BUTLER, (KY-Z063) HART, (KY-Z070) LOGAN, (KY-Z071) WARREN, (KY-Z072) SIMPSON, (KY-Z077) ADAIR

01/25/11 23:00 EST	0	Heavy Snow
01/26/11 08:00 EST	0	

During the overnight hours on the 25th and the 26th of January, a strengthening closed low moved across Tennessee. North of this upper air system, a surface trough moved east across the Commonwealth, changing rain to snow. Snow, heavy at times, developed by late evening across west central Kentucky. A broad area of 3 to 5 inches of snow accumulated during the early morning hours across an area generally just west of Interstate 65. Snow amounts diminished east of Interstate 65 as precipitation remained rain well into the early morning hours. Snow continued until dawn within an arc from Bowling Green through southern Louisville through Frankfort as the back edge of an area of wrap-around snow moved east across the state.