

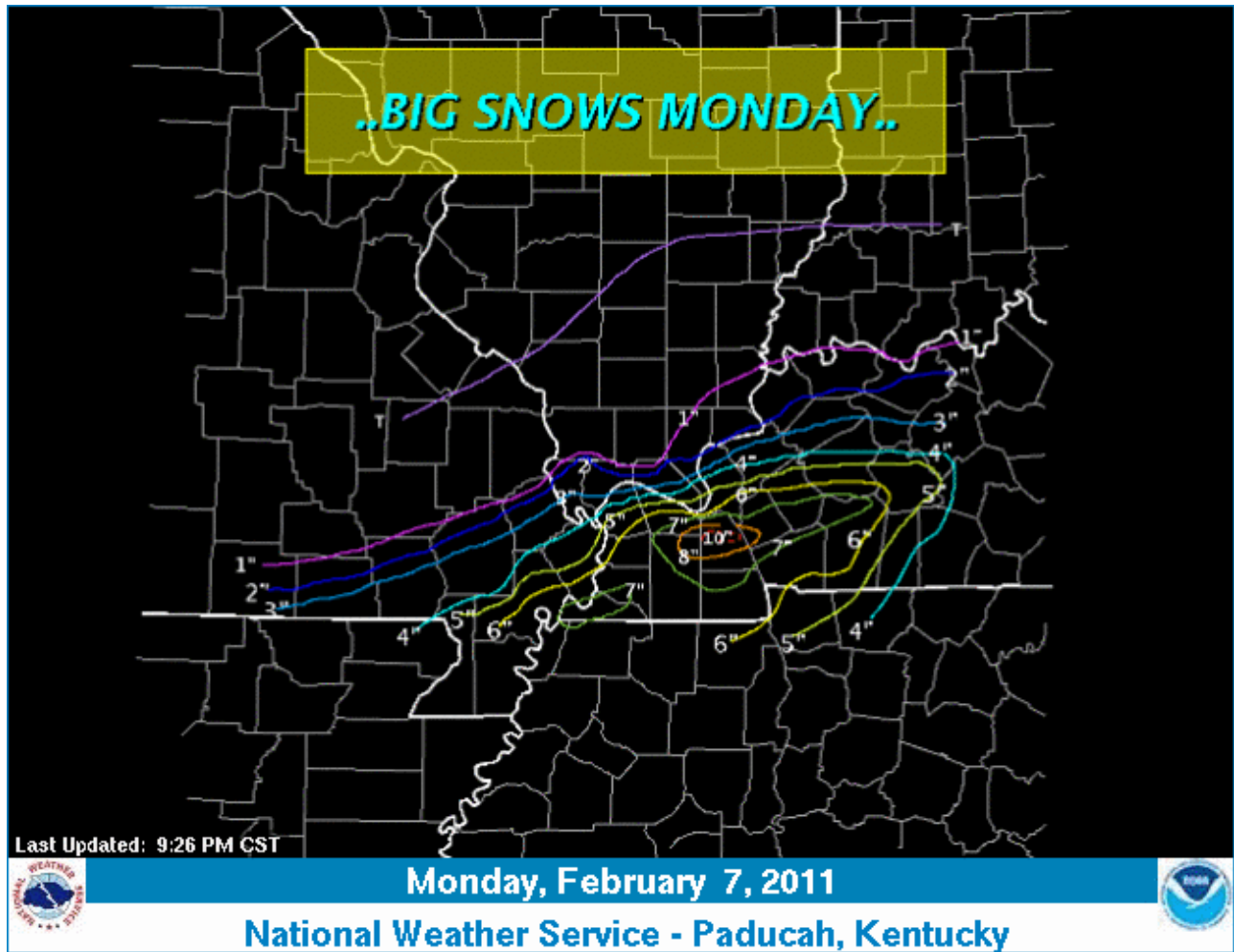
Heavy Snow

February 7, 2011

Heavy snow blanketed southern portions of the forecast area with several inches of snow Monday. Snowfall accumulations were quite varied with most of the white stuff falling along and south of the Ohio River. Greater than 2 inches fell generally along and south of a line from Doniphan Missouri to Golconda Illinois to Owensboro Kentucky. Greater than 4 inches of snow accumulated in the southeast Missouri bootheel and in western Kentucky south of Marion and Madisonville. The highest snowfall totals were centered on a narrow corridor from Hickman to Mayfield to Benton, then east across the lakes to south of Princeton and north of Hopkinsville. The grand prize winner of 10 inches was reported in Draffenville. Meanwhile, northern sections of southeast Missouri, southern Illinois, and southwest Indiana were lucky to even measure any snow. We measured 6 inches of snow here at the National Weather Service office in West Paducah.

While a Monday snow event had been expected for several days, it turns out the magnitude of the snow was much greater than forecast. A Winter Weather Advisory for snow was issued Sunday for the area that received the greatest snow accumulation. However, at that time, only 1 to 3 inches of snow was expected. Even as late as Sunday night, computer models continued to show more of an advisory event--with forecast snow accumulations remaining below 4 inches. What was it then that made this a snow to remember for the southern part of the area? You can thank the deformation zone on the northwest periphery of the low track. Enhanced lifting within this zone coupled with more available moisture resulted in much more efficient snow production--with some locations picking up as much as 1 to 2 inches per hour at the height of the event. As you may have guessed by now, the computer models we use on a daily basis are sometimes not the best at handling such mesoscale (localized) snow banding, which makes our job of providing the best forecast possible that much more challenging during winter weather events.

Below is a map of snowfall accumulations reported from across the area. Following that is a summary of Local Storm Reports issued today. We would like to thank those of you who took time out of your day to report in with these snow totals. Your timely observations make our job so much easier, and help us to better serve you in keeping the forecast current.



PRELIMINARY LOCAL STORM REPORT...SUMMARY

NATIONAL WEATHER SERVICE PADUCAH KY

639 PM CST MON FEB 07 2011

..TIME...	...EVENT...	...CITY LOCATION...	...LAT.LON...
..DATE...MAG....	..COUNTY LOCATION..ST..	...SOURCE....
..REMARKS..			
0509 PM	SNOW	EDDYVILLE	37.08N 88.08W
02/07/2011	M6.5 INCH	LYON KY	TRAINED SPOTTER
0416 PM	SNOW	OWENSBORO	37.76N 87.12W
02/07/2011	M3.0 INCH	DAVIESS KY	TRAINED SPOTTER
MEASURED ON GRASS.			
0309 PM	SNOW	HENDERSON	37.84N 87.58W
02/07/2011	M1.4 INCH	HENDERSON KY	BROADCAST MEDIA
MEASURED AT THE WEHT STUDIOS ON THE NORTHEAST SIDE OF HENDERSON.			
0247 PM	SNOW	BENTON	36.85N 88.36W
02/07/2011	M8.2 INCH	MARSHALL KY	TRAINED SPOTTER
0246 PM	SNOW	2 ENE DRAFFENVILLE	36.95N 88.31W
02/07/2011	M10.1 INCH	MARSHALL KY	TRAINED SPOTTER
0242 PM	SNOW	MURRAY	36.61N 88.32W
02/07/2011	M6.5 INCH	CALLOWAY KY	TRAINED SPOTTER
0234 PM	SNOW	1 E KELLY	36.95N 87.46W
02/07/2011	M5.2 INCH	CHRISTIAN KY	TRAINED SPOTTER
0230 PM	SNOW	5 NNW MAYFIELD	36.80N 88.68W
02/07/2011	M6.1 INCH	GRAVES KY	NWS EMPLOYEE
0230 PM	SNOW	1 S MAYFIELD	36.72N 88.65W
02/07/2011	M6.2 INCH	GRAVES KY	PUBLIC

0200 PM	SNOW		REIDLAND		37.01N 88.53W
02/07/2011	M5.8 INCH		MCCRACKEN	KY	NWS EMPLOYEE
0130 PM	SNOW		8 SW PADUCAH		36.99N 88.74W
02/07/2011	M6.8 INCH		MCCRACKEN	KY	NWS EMPLOYEE
SNOWFALL 6.8 INCHES.					
0128 PM	SNOW		ELVA		36.93N 88.48W
02/07/2011	E8.0 INCH		MARSHALL	KY	TRAINED SPOTTER
0126 PM	SNOW		MOUND CITY		37.09N 89.16W
02/07/2011	E3.0 INCH		PULASKI	IL	EMERGENCY MNGR
0117 PM	SNOW		GRACEY		36.88N 87.63W
02/07/2011	M4.0 INCH		CHRISTIAN	KY	TRAINED SPOTTER
0110 PM	SNOW		CALVERT CITY		37.03N 88.35W
02/07/2011	M7.0 INCH		MARSHALL	KY	NWS EMPLOYEE
SNOW DEPTH 7 INCHES.					
0109 PM	SNOW		DELWOOD		37.58N 88.57W
02/07/2011	M3.3 INCH		POPE	IL	TRAINED SPOTTER
0107 PM	SNOW		MURRAY		36.61N 88.32W
02/07/2011	M6.0 INCH		CALLOWAY	KY	TRAINED SPOTTER
0104 PM	SNOW		ANNA		37.46N 89.24W
02/07/2011	M1.1 INCH		UNION	IL	TRAINED SPOTTER
1250 PM	SNOW		1 S MAYFIELD		36.72N 88.65W
02/07/2011	E6.0 INCH		GRAVES	KY	PUBLIC
1243 PM	SNOW		MADISONVILLE		37.34N 87.51W
02/07/2011	E3.0 INCH		HOPKINS	KY	TRAINED SPOTTER
1243 PM	SNOW		HOPKINSVILLE		36.85N 87.49W
02/07/2011	M3.5 INCH		CHRISTIAN	KY	TRAINED SPOTTER
1232 PM	SNOW		2 N CADIZ		36.90N 87.82W
02/07/2011	M4.0 INCH		TRIGG	KY	PUBLIC
1227 PM	SNOW		CALVERT CITY		37.03N 88.35W
02/07/2011	M6.0 INCH		MARSHALL	KY	TRAINED SPOTTER
1225 PM	SNOW		7 N PEMBROKE		36.88N 87.36W
02/07/2011	M2.7 INCH		CHRISTIAN	KY	TRAINED SPOTTER
1208 PM	SNOW		CANTON		36.80N 87.96W
02/07/2011	M2.5 INCH		TRIGG	KY	TRAINED SPOTTER
1205 PM	SNOW		REIDLAND		37.01N 88.53W
02/07/2011	M5.5 INCH		MCCRACKEN	KY	NWS EMPLOYEE
1200 PM	SNOW		MILBURN		36.80N 88.89W
02/07/2011	E6.0 INCH		CARLISLE	KY	BROADCAST MEDIA
REPORTED BY KFVS12 WEATHER SPOTTER.					
1200 PM	SNOW		CANALOU		36.75N 89.69W
02/07/2011	E6.0 INCH		NEW MADRID	MO	BROADCAST MEDIA
REPORTED BY KFVS12 WEATHER SPOTTER.					
1200 PM	SNOW		POPLAR BLUFF		36.76N 90.41W
02/07/2011	E3.0 INCH		BUTLER	MO	BROADCAST MEDIA
REPORTED BY KFVS12 WEATHER SPOTTER.					
1200 PM	SNOW		PORTAGEVILLE		36.43N 89.70W
02/07/2011	E6.2 INCH		NEW MADRID	MO	BROADCAST MEDIA
REPORTED BY KFVS12 WEATHER SPOTTER.					
1200 PM	SNOW		SIKESTON		36.88N 89.58W
02/07/2011	E4.0 INCH		SCOTT	MO	BROADCAST MEDIA
REPORTED BY KFVS12 WEATHER SPOTTER.					
1200 PM	SNOW		LILBOURN		36.59N 89.61W
02/07/2011	E6.0 INCH		NEW MADRID	MO	BROADCAST MEDIA
REPORTED BY KFVS12 WEATHER SPOTTER.					

1200 PM	SNOW	NAYLOR		36.57N 90.61W
02/07/2011	E2.5 INCH	RIPLEY	MO	BROADCAST MEDIA
		REPORTED BETWEEN NAYLOR AND DONIPHAN BY KFVS12 WEATHER SPOTTER.		
1200 PM	SNOW	METROPOLIS		37.15N 88.71W
02/07/2011	E4.0 INCH	MASSAC	IL	BROADCAST MEDIA
		REPORTED BY KFVS12 WEATHER SPOTTER.		
1200 PM	SNOW	DALTON		37.30N 87.76W
02/07/2011	E4.5 INCH	HOPKINS	KY	BROADCAST MEDIA
		REPORTED BY A PUBLIC VIEWER FROM WEHT.		
1200 PM	SNOW	CHARLESTON		36.92N 89.34W
02/07/2011	E4.5 INCH	MISSISSIPPI	MO	BROADCAST MEDIA
		REPORTED BY KFVS12 WEATHER SPOTTER.		
1200 PM	SNOW	SCOTT CITY		37.22N 89.53W
02/07/2011	E2.5 INCH	SCOTT	MO	BROADCAST MEDIA
		REPORTED BY KFVS12 WEATHER SPOTTER. 2 TO 3 INCHES REPORTED.		
1200 PM	SNOW	MOUND CITY		37.09N 89.16W
02/07/2011	E2.5 INCH	PULASKI	IL	BROADCAST MEDIA
		REPORTED BY KFVS12 WEATHER SPOTTER		
1200 PM	SNOW	NEW MADRID		36.59N 89.55W
02/07/2011	E6.0 INCH	NEW MADRID	MO	BROADCAST MEDIA
		REPORTED BY KFVS12 WEATHER SPOTTER.		
1200 PM	SNOW	DONGOLA		37.36N 89.16W
02/07/2011	E1.8 INCH	UNION	IL	BROADCAST MEDIA
		REPORTED BY KFVS12 WEATHER SPOTTER.		
1200 PM	SNOW	SHAWNEETOWN		37.71N 88.17W
02/07/2011	E1.0 INCH	GALLATIN	IL	BROADCAST MEDIA
		REPORTED BY KFVS12 WEATHER SPOTTER		
1200 PM	SNOW	MATTHEWS		36.76N 89.58W
02/07/2011	E7.5 INCH	NEW MADRID	MO	BROADCAST MEDIA
		REPORTED BY KFVS12 WEATHER SPOTTER.		
1200 PM	SNOW	WICKLIFFE		36.97N 89.08W
02/07/2011	E6.0 INCH	BALLARD	KY	BROADCAST MEDIA
		REPORTED BY KFVS12 WEATHER SPOTTER.		
1200 PM	SNOW	PUXICO		36.95N 90.16W
02/07/2011	E3.5 INCH	STODDARD	MO	BROADCAST MEDIA
		REPORTED BY KFVS12 WEATHER SPOTTER.		
1200 PM	SNOW	DEXTER		36.79N 89.96W
02/07/2011	E3.5 INCH	STODDARD	MO	BROADCAST MEDIA
		REPORTED BY KFVS12 WEATHER SPOTTER.		
1200 PM	SNOW	BERNIE		36.67N 89.97W
02/07/2011	E3.0 INCH	STODDARD	MO	BROADCAST MEDIA
		REPORTED BY KFVS12 WEATHER SPOTTER.		
1200 PM	SNOW	CAYCE		36.55N 89.04W
02/07/2011	M7.5 INCH	FULTON	KY	BROADCAST MEDIA
1130 AM	SNOW	MILBURN		36.80N 88.89W
02/07/2011	E6.0 INCH	CARLISLE	KY	PUBLIC

1057 AM	SNOW		5 N VIENNA		37.49N 88.89W
02/07/2011	E2.0 INCH		JOHNSON	IL	PUBLIC
1030 AM	SNOW		EAST PRAIRIE		36.78N 89.38W
02/07/2011	E4.0 INCH		MISSISSIPPI	MO	PUBLIC
1023 AM	SNOW		EAST PRAIRIE		36.78N 89.38W
02/07/2011	E5.0 INCH		MISSISSIPPI	MO	PUBLIC
1020 AM	SNOW		CAPE GIRARDEAU		37.31N 89.55W
02/07/2011	M1.0 INCH		CAPE GIRARDEAU	MO	BROADCAST MEDIA
1014 AM	SNOW		2 E BENTON		37.10N 89.53W
02/07/2011	M2.6 INCH		SCOTT	MO	TRAINED SPOTTER
0958 AM	SNOW		DUDLEY		36.79N 90.09W
02/07/2011	M2.0 INCH		STODDARD	MO	TRAINED SPOTTER
0945 AM	SNOW		2 NE QULIN		36.62N 90.22W
02/07/2011	M4.5 INCH		BUTLER	MO	CO-OP OBSERVER
0710 PM	SNOW		RICHLAND		37.28N 87.59W
02/07/2011	M6.0 INCH		HOPKINS	KY	TRAINED SPOTTER