



Winter Weather Briefing

Saturday, January 04, 2014

For South Central Indiana and Central Kentucky

Prepared 1/4/2014 10:00PM EST

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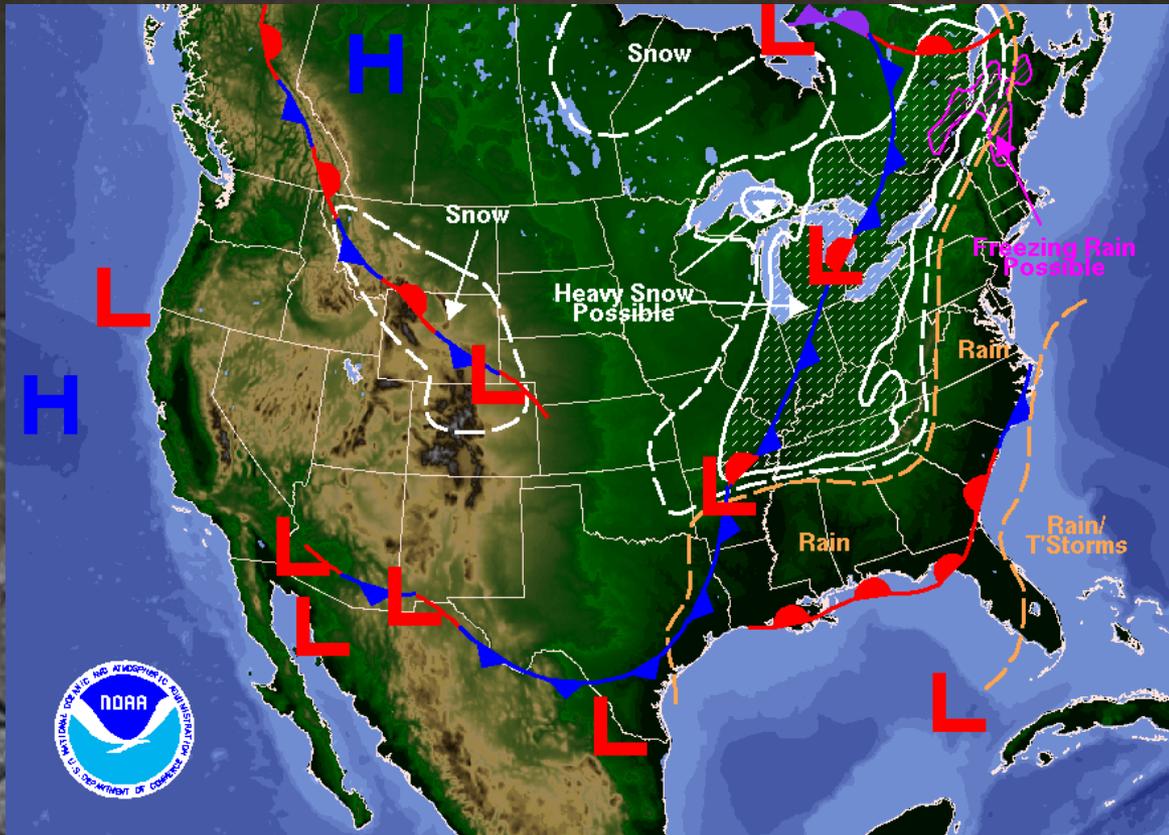


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Snow and Arctic Blast on the Way



Weather Forecast for Sun, Jan 05, 2014, issued 3:31 AM EST Sat, Jan 04, 2014
DOC/NOAA/NWS/NCEP/Weather Prediction Center
Prepared by Fanning based on WPC, SPC and NHC forecasts

- A potent winter storm will drop a swath of heavy snow from the central Mississippi Valley to the eastern Great Lakes through Monday
- Significant snow will occur along and north of the Ohio River, mainly west of the Louisville metro, with lighter accumulations south of the river

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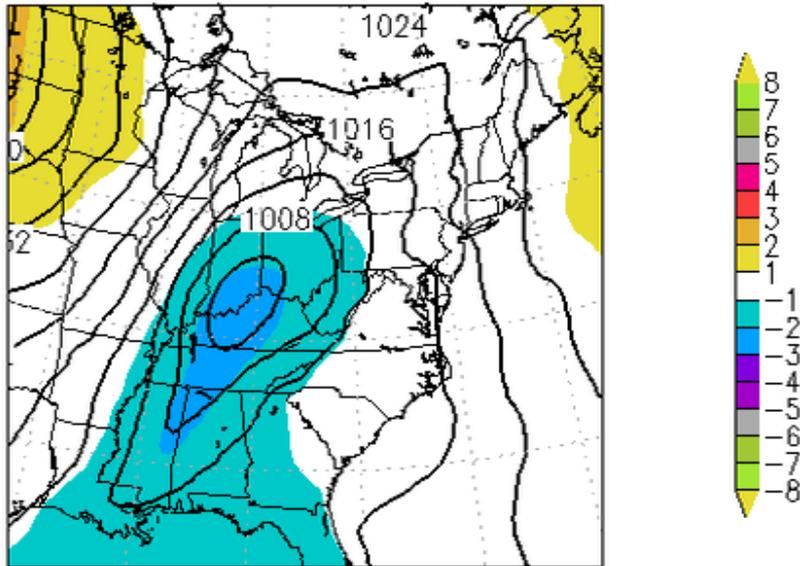


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Anomalous System

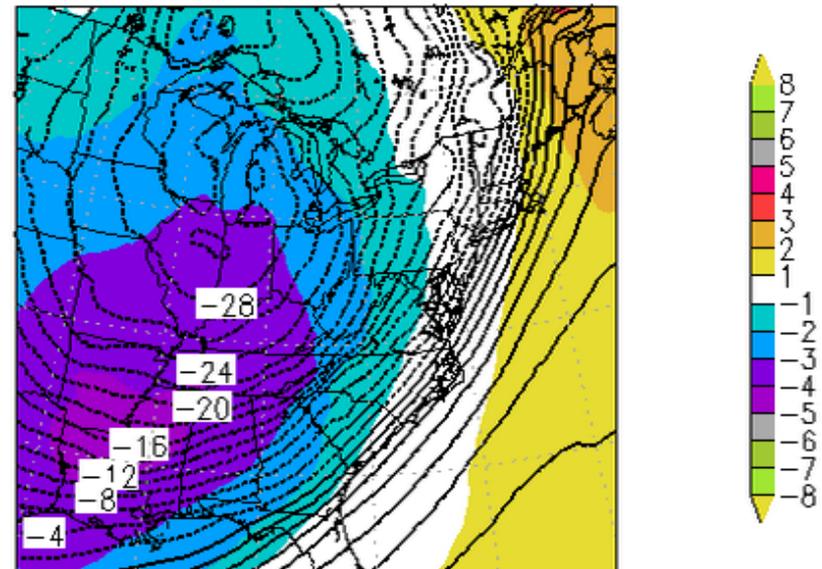


a.21Z04JAN2014 SREF prmslmsl 1000
Valid 21Z05JAN2014 Sun



o Temperature anomalies
Monday afternoon

a.21Z04JAN2014 SREF tmp850mb 850
Valid 21Z06JAN2014 Mon



o Pressure anomalies Sunday
afternoon

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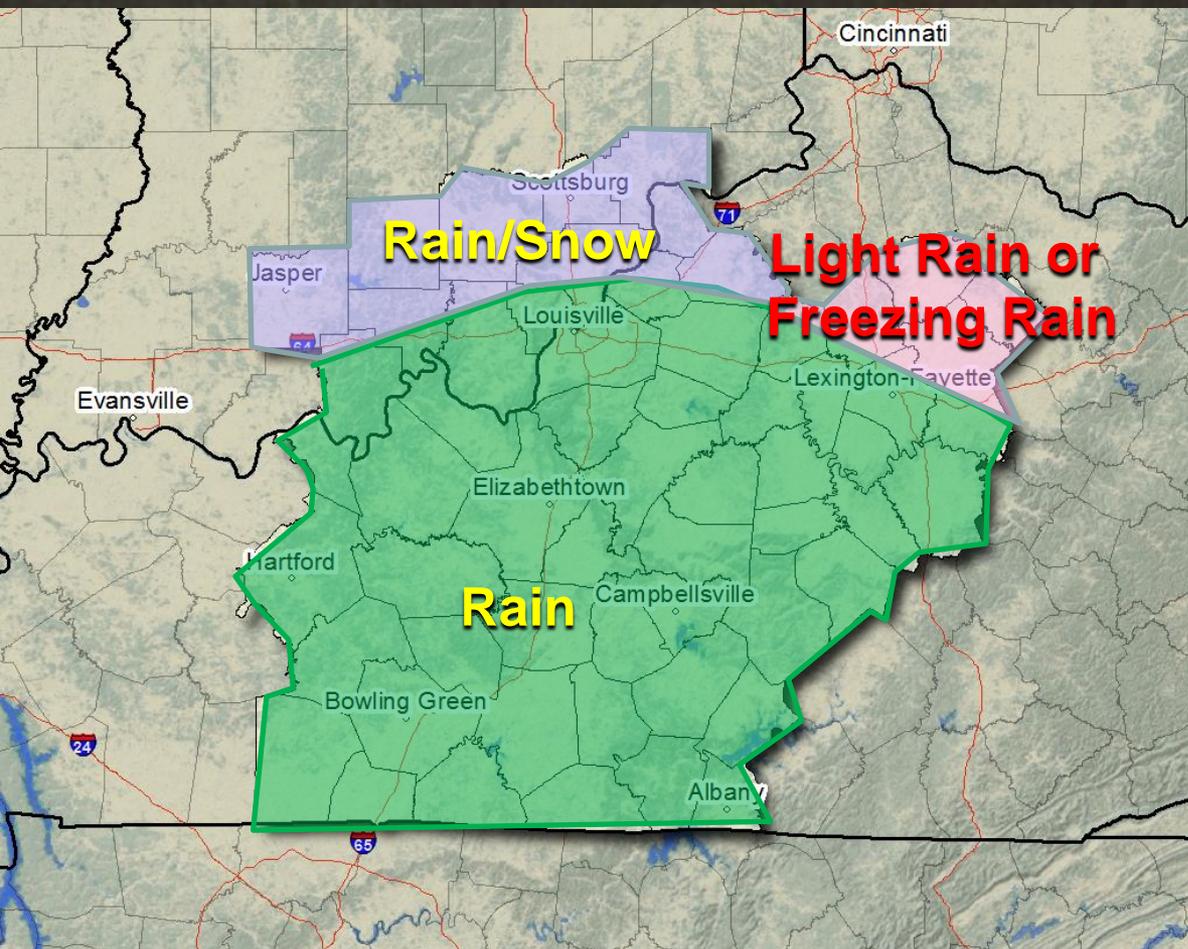


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Timing – 7 AM Sunday



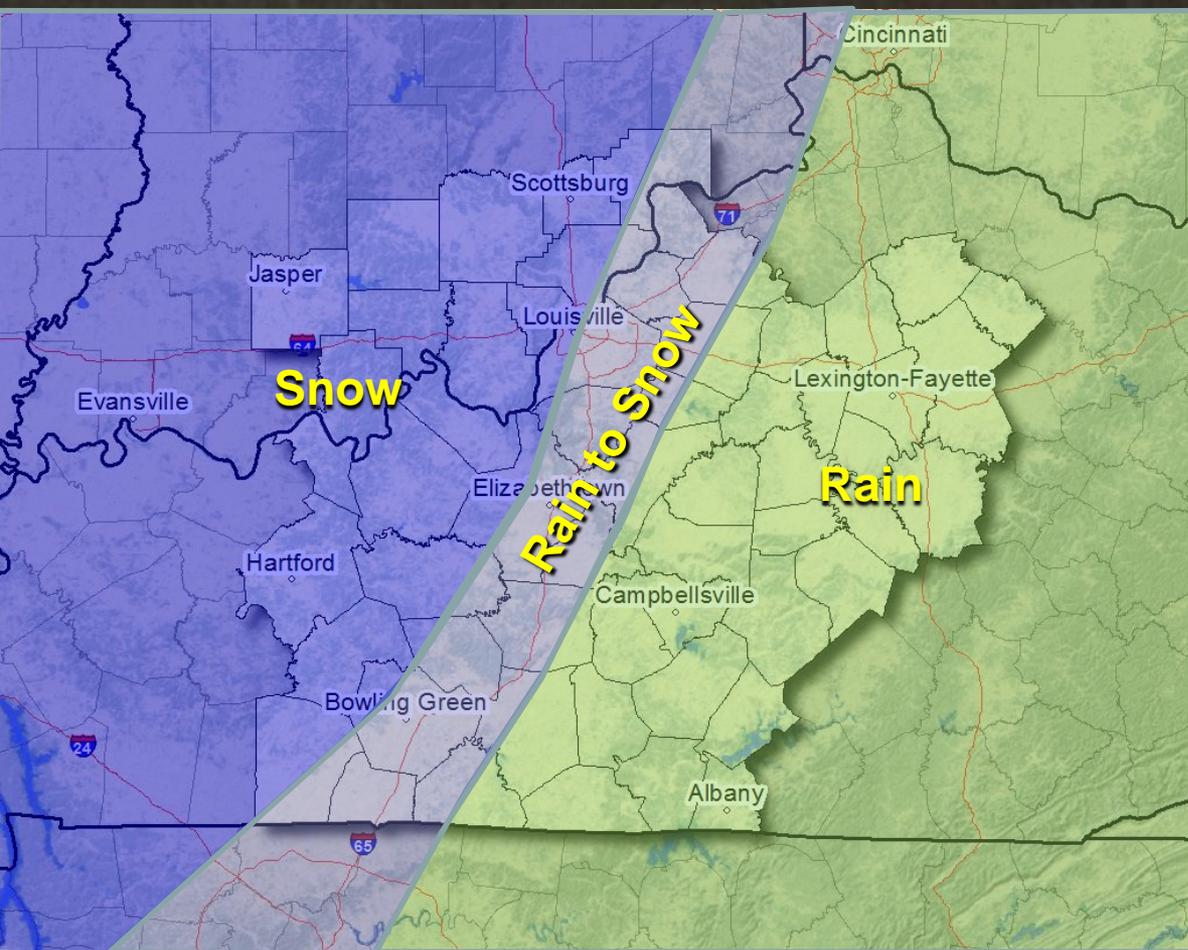
The event looks to start off with a light wintry mix across much of the area. Further northwest, snow will mix with rain. Little or no accumulation is expected at the onset.

Timing – 1 PM Sunday



Warm air will surge into most of central Kentucky and parts of southeast Indiana ahead of a strengthening surface low. The low then will track just south of the Ohio River. As the low passes, rain will quickly change to snow across extreme NW portions of our warning area.

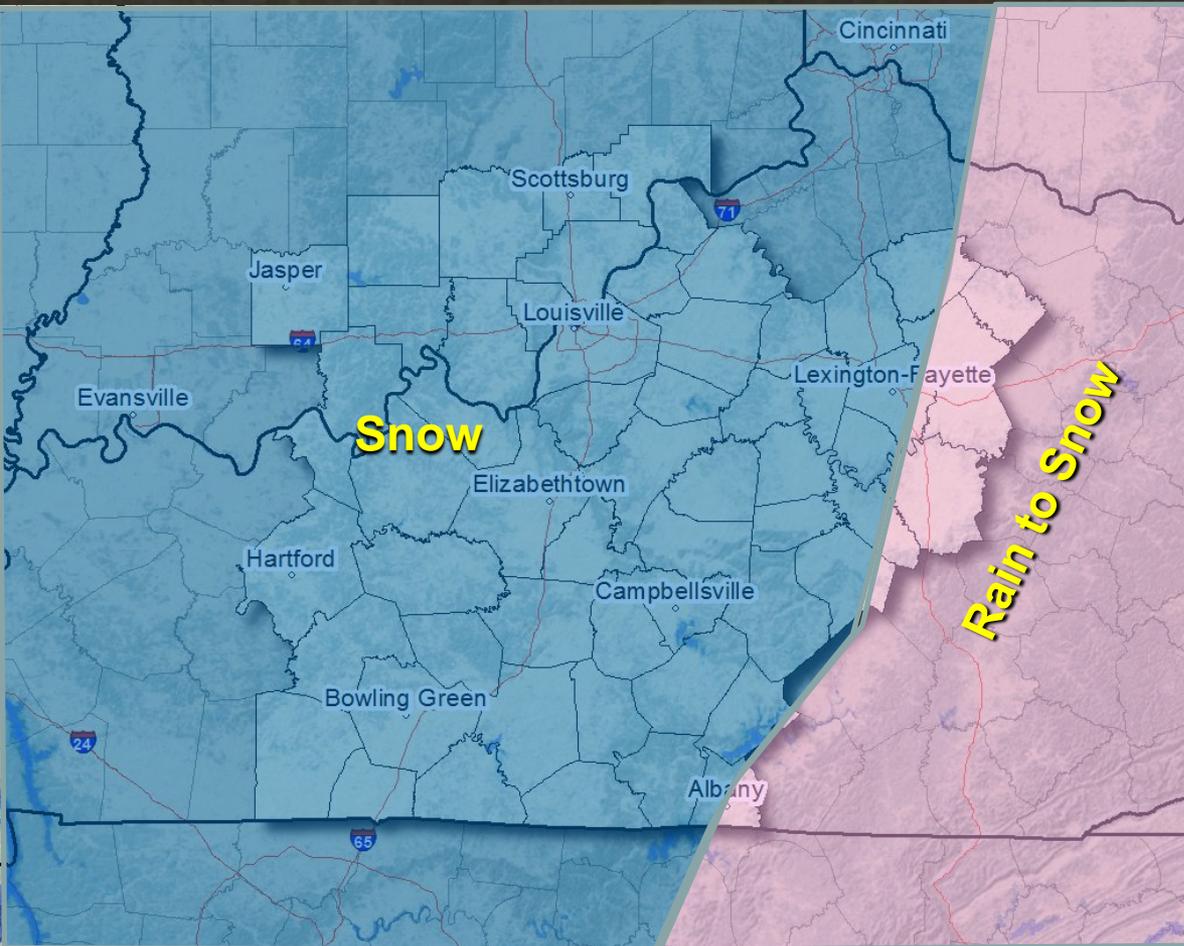
Timing – 4 PM Sunday



Cold air will begin crashing into the region from west to east as a strong Arctic front barrels through. Precipitation will rapidly transition from rain to snow as this occurs. Periods of moderate to heavy snow will likely bring quick accumulations.

Winds will be increasing from west to east as the front passes, with gusts of 20-30 mph within the snow area on the map. Blowing snow is a good possibility.

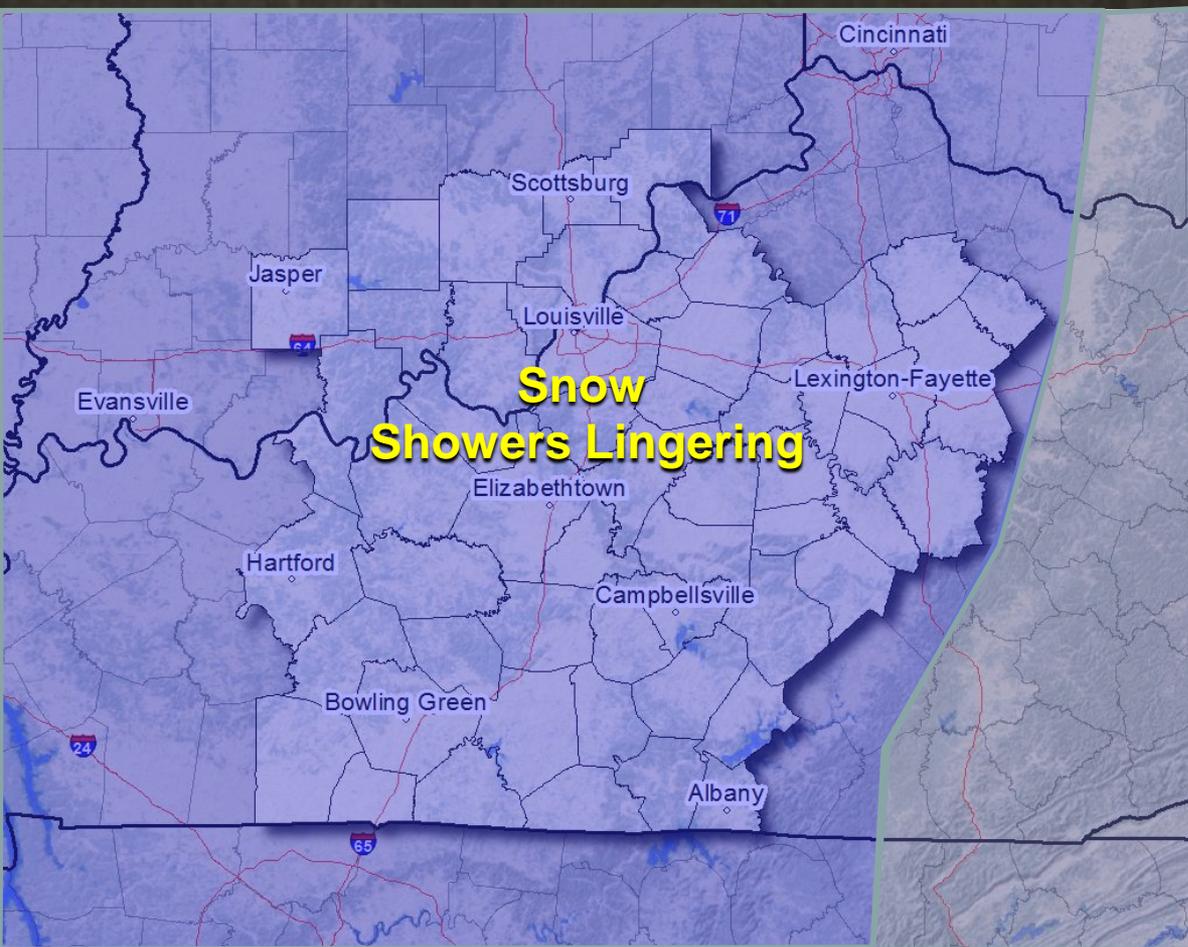
Timing – 7 PM Sunday



The snow line will continue to progress eastward through the evening hours. Temperatures will continue to crash, with blowing snow still likely, under gusts of 30-35 mph.

With temperatures falling as fast as they will, a flash freeze is possible through the evening and overnight.

Timing – 11 PM Sunday



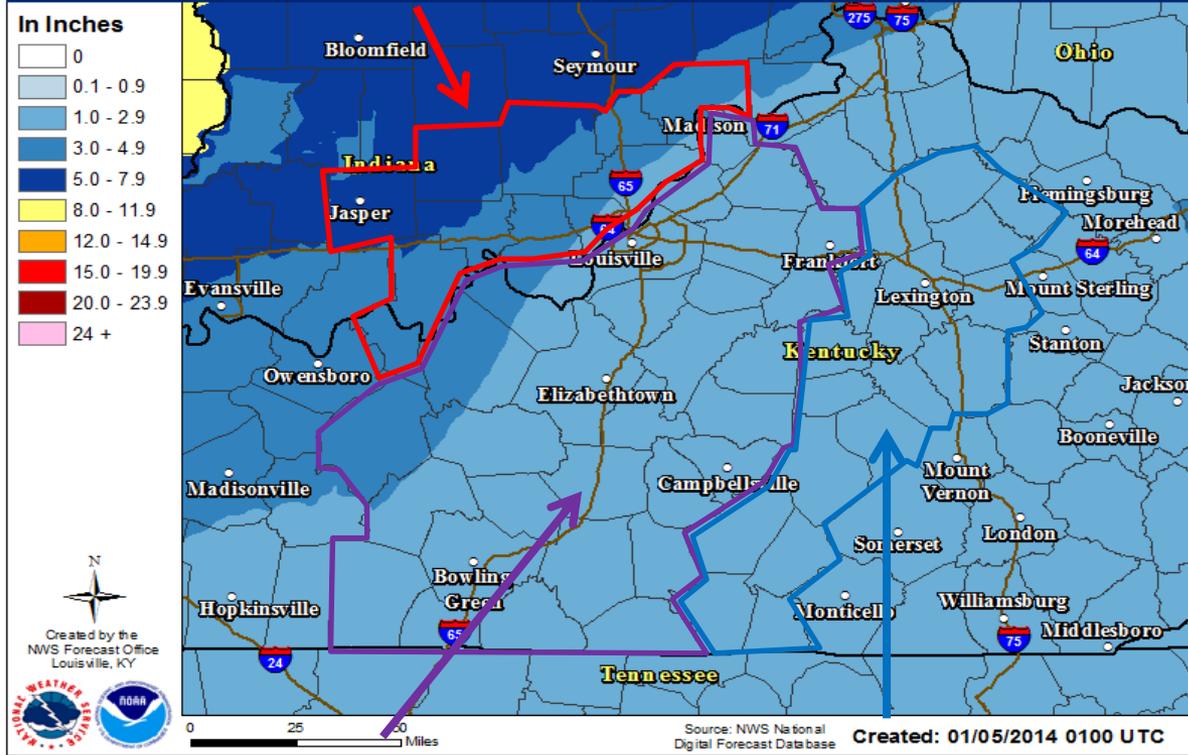
Snow showers will linger into the overnight and temperatures will fall toward the single digits across central Kentucky and below zero across southern Indiana by dawn on Monday.

Winter Storm Headlines for



Winter Storm Warning Starting 1 PM Sunday

Total Snow Forecast - Through January 03, 2014 07:00 AM EST



- Mostly rain is expected during the day Sunday
- Arctic front will change that over to snow: early to mid afternoon across southern IN, mid afternoon to early evening across central KY
- Much colder air blasts in overnight, with Wind Chill Watch in effect early Monday through Tuesday morning, wind chills less than -25 degrees possible!

Winter Weather Advisory Starting 3 PM Sunday

Winter Weather Advisory Starting 6 PM Sunday

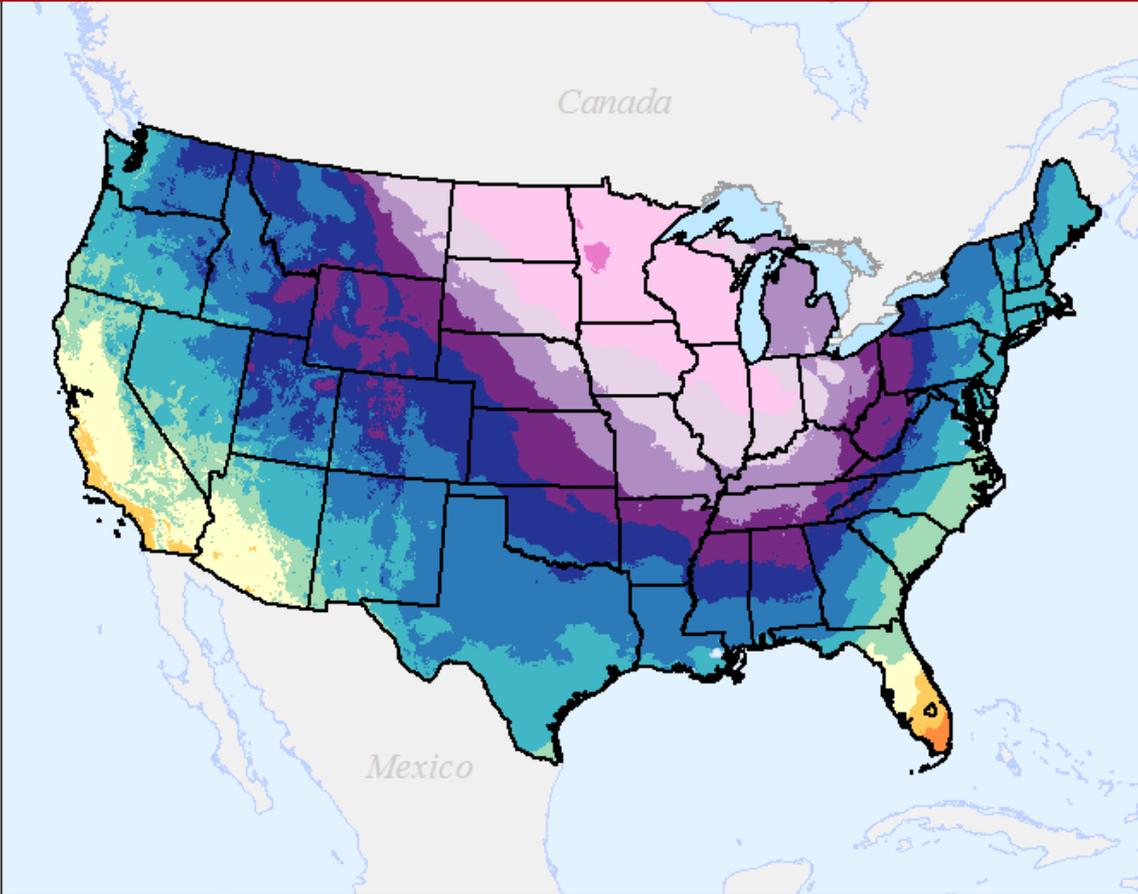
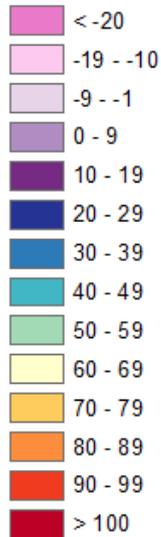
Note: All times listed above are EST

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Snow and Arctic Blast on the Way



Maximum Temperature Forecast - January 06, 2014



Created by the
NWS Forecast Office
Burlington, Vermont



Source: NWS National
Digital Forecast Database

Created: 1/4/2014 9 PM EST

- Following the snowfall, arctic air will surge into region. Sub-zero temperatures will occur along and north of the Ohio by Monday morning, and as far as the TN border by Tuesday morning.

Forecast Daytime High Temperatures Monday, Jan 6, 2014

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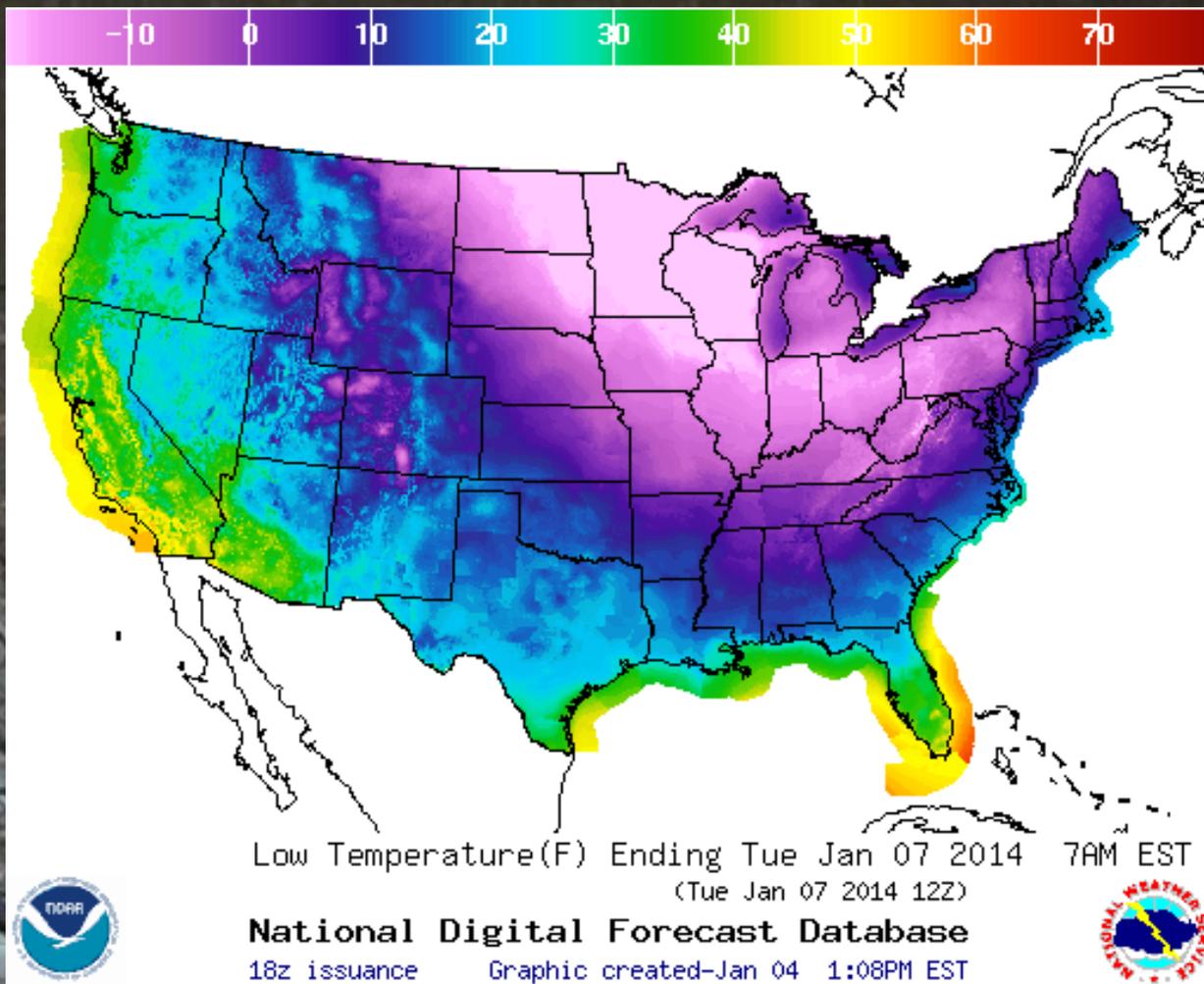


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- Some areas will remain below zero for more than 24 hours Monday through Tuesday.

Forecast Low Temperatures Tuesday morning, Jan 7, 2014

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Arctic Wind Chills

25-39
N-S early –
dropping
through
the day to
0-29 by
evening

**Wind Chills colder
than -18 can cause
frostbite in 30 min.**

“Warming”
to

PM +5
to
-12

+8
to
-8

AM -12
to
-30

-5
to
-25

-10
to
-32

-14
to
-32

Sunday

Sunday
Night

Monday

Monday
Night

Tuesday

Tuesday
Night

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