



# Hazardous Weather Briefing

## Winter Storm Warning Tonight thru Saturday



Blizzard Warning
Ice Storm Warning
Winter Storm Warning
Wind Chill Warning
High Wind Warning
Freezing Rain Advisory
Winter Weather Advisory
Wind Chill Advisory
Wind Advisory
Blizzard Watch
Winter Storm Watch
Wind Chill Watch
High Wind Watch
Hazardous Weather Outlook
Special Weather Statement

NWSJacksonKY

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### National Weather Service Jackson, KY

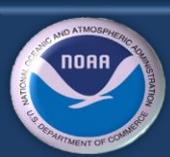
<http://www.weather.gov/jkl>

Email: [w-jkl.webmaster@noaa.gov](mailto:w-jkl.webmaster@noaa.gov)

Phone: 606-666-8000

Briefing Updated: 1/21/2016 10:47 AM



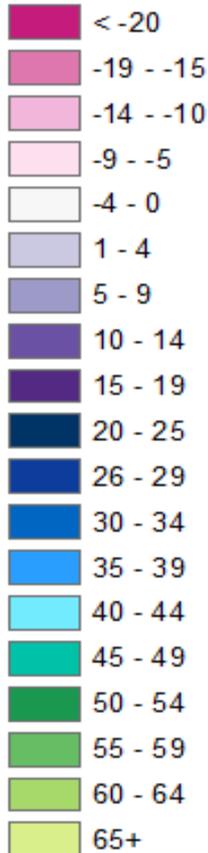


# Today's Forecast High Temperatures

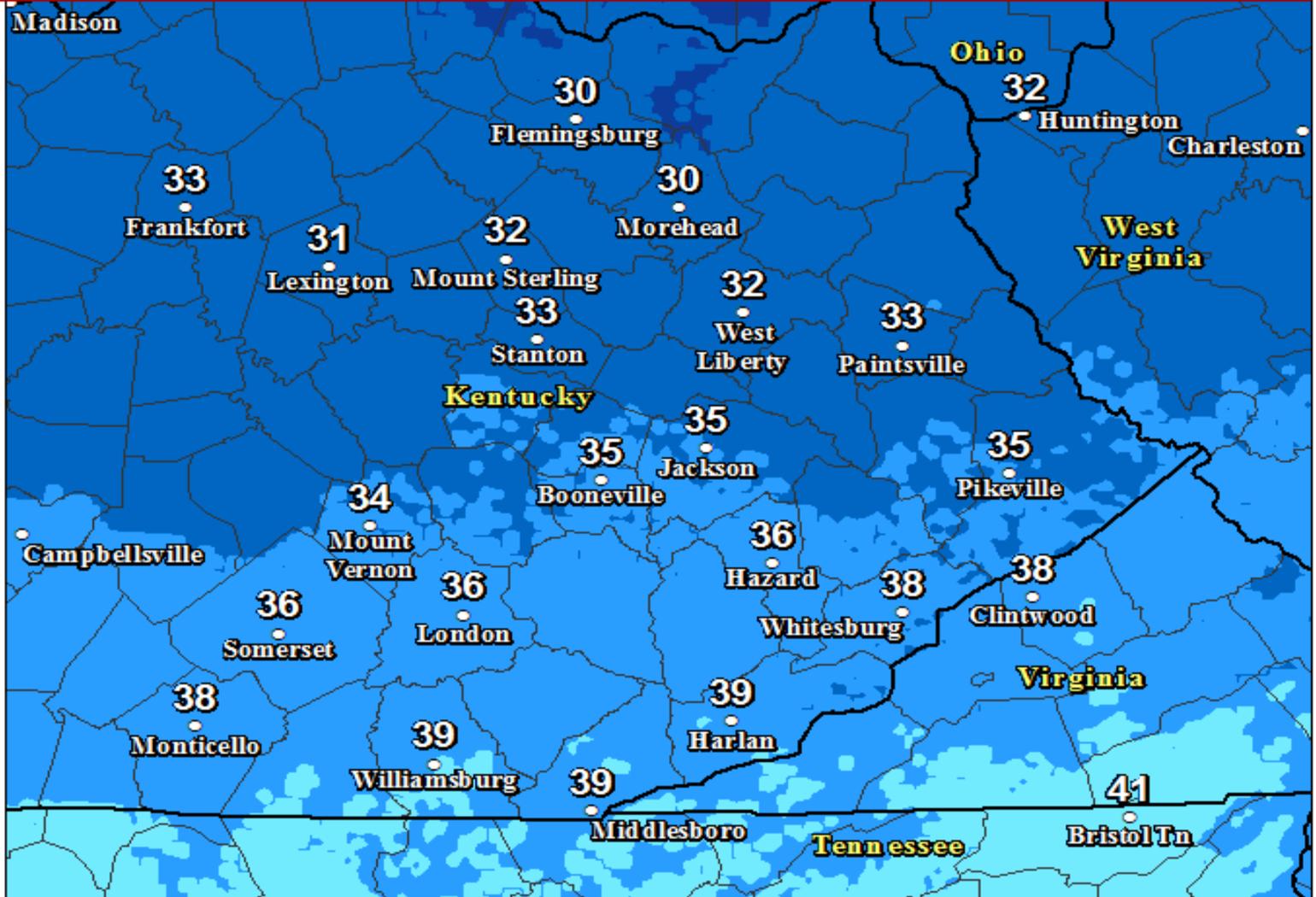


## Maximum Temperature Forecast - January 21, 2016

### Fahrenheit



Created by the  
NWS Forecast Office  
Jackson, KY

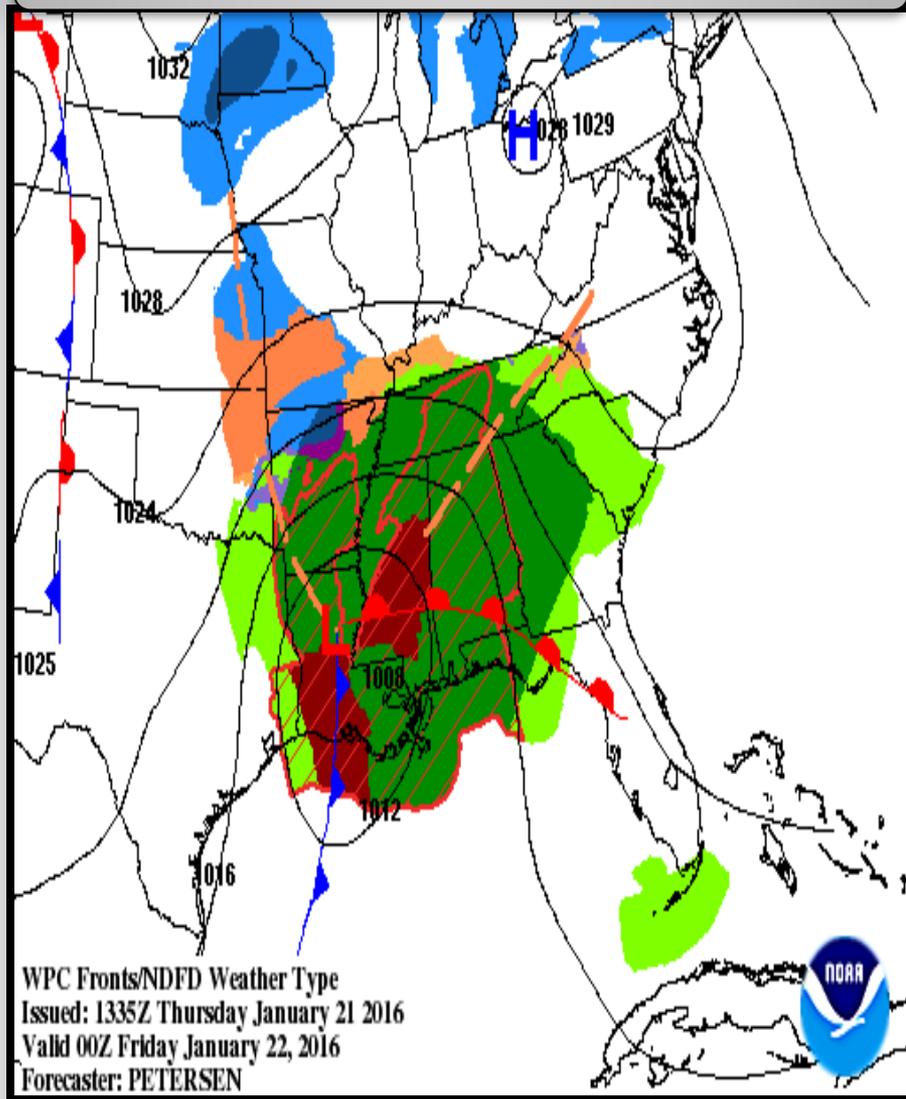


0 50 100 Miles

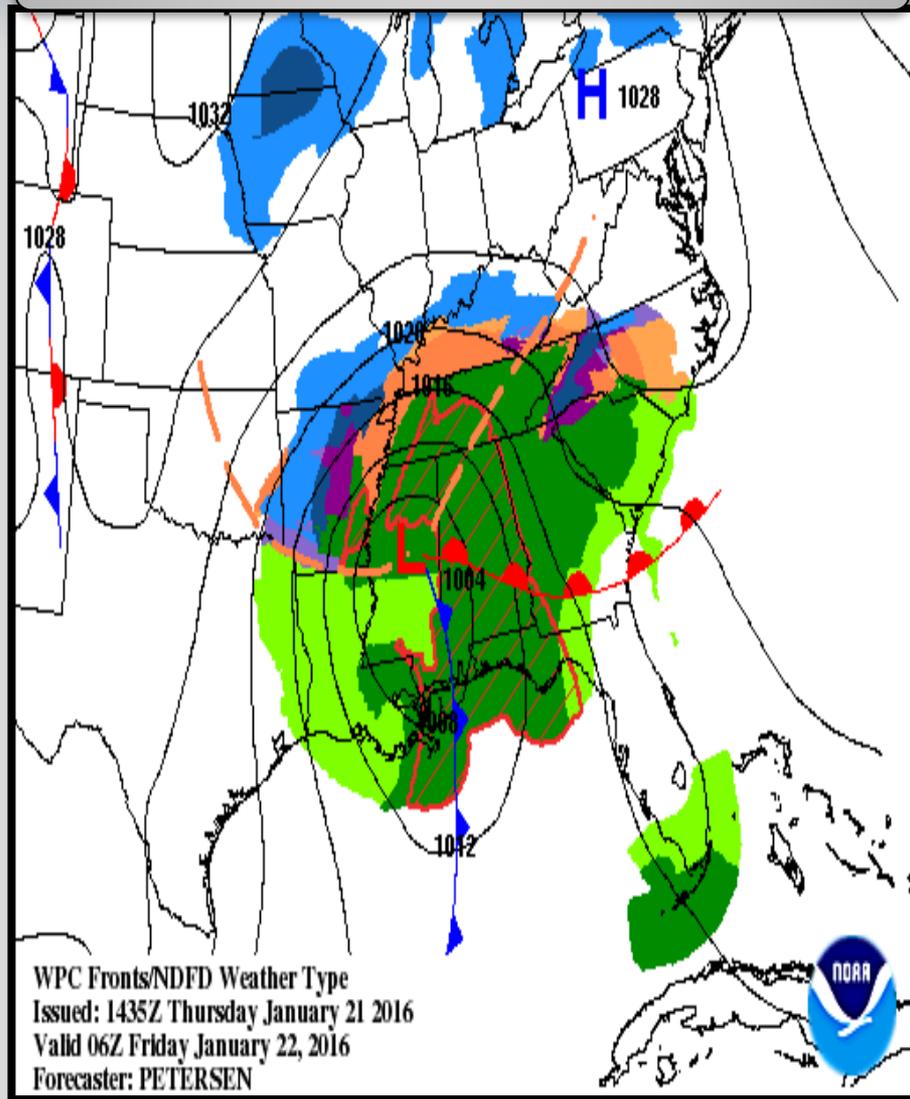
Source: NWS National  
Digital Forecast Database

Created: 01/21/2016 1400 UTC

## 7 pm Tonight



## 1 am Tonight



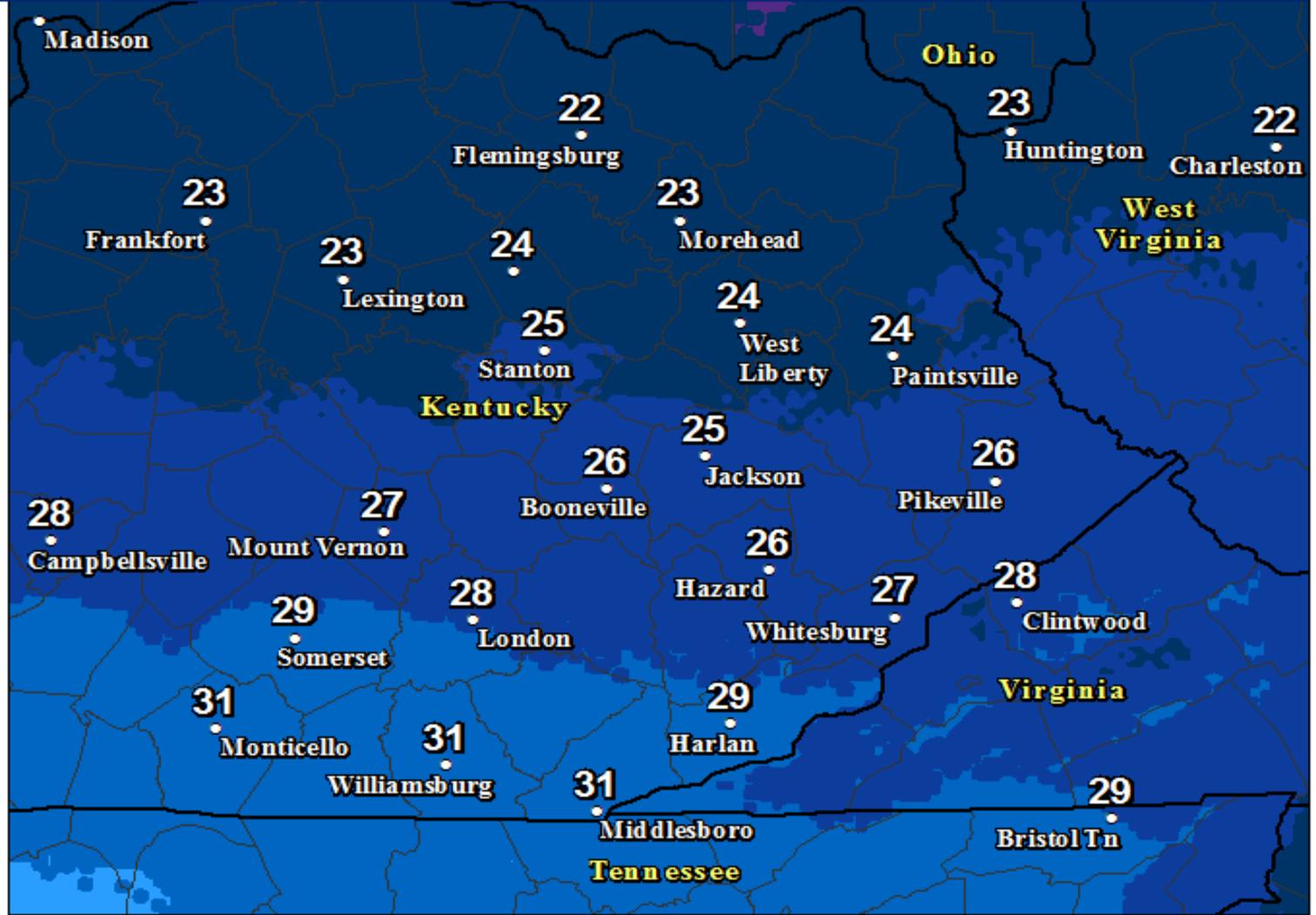
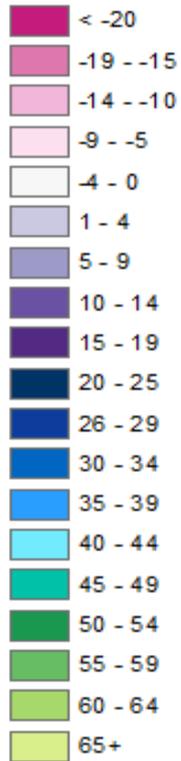


# Tonight's Forecast Low Temperatures

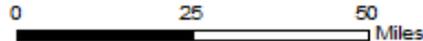


## Minimum Temperature Forecast - January 22, 2016

### Fahrenheit



Created by the  
NWS Forecast Office  
Jackson, KY

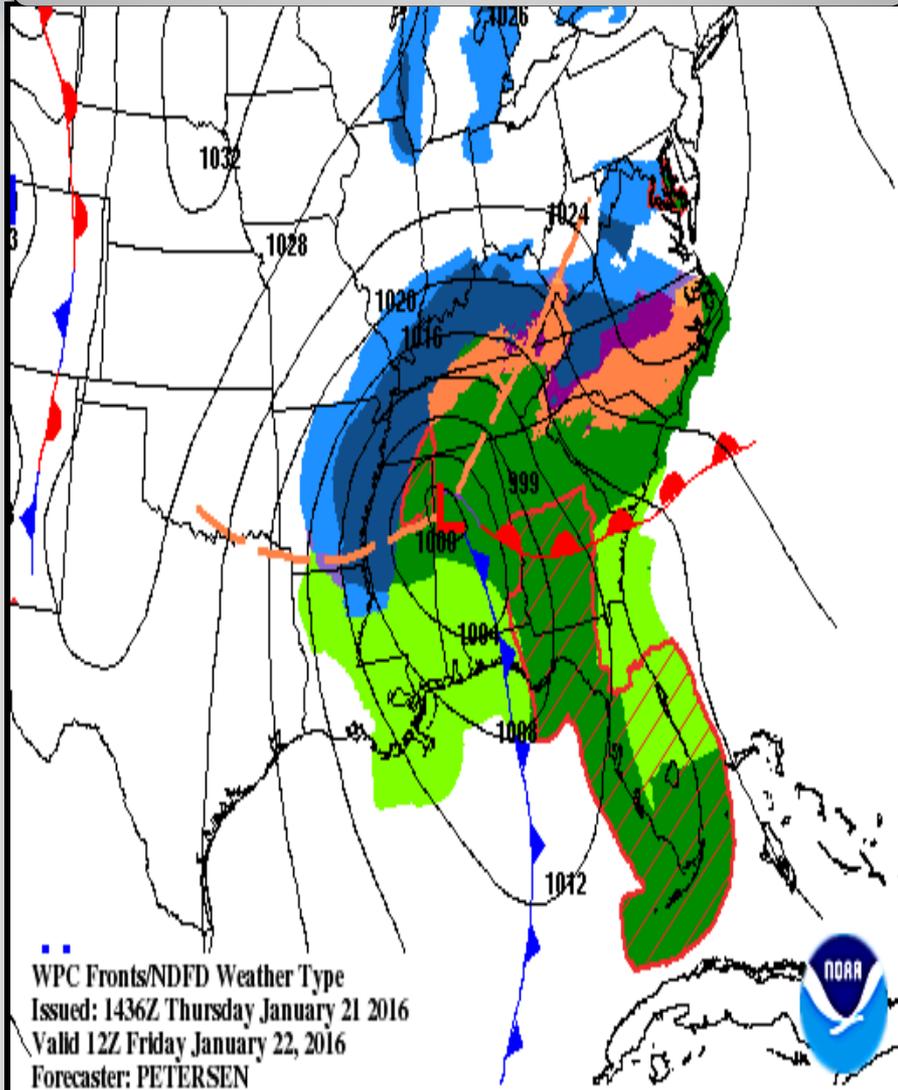


Source: NWS National  
Digital Forecast Database

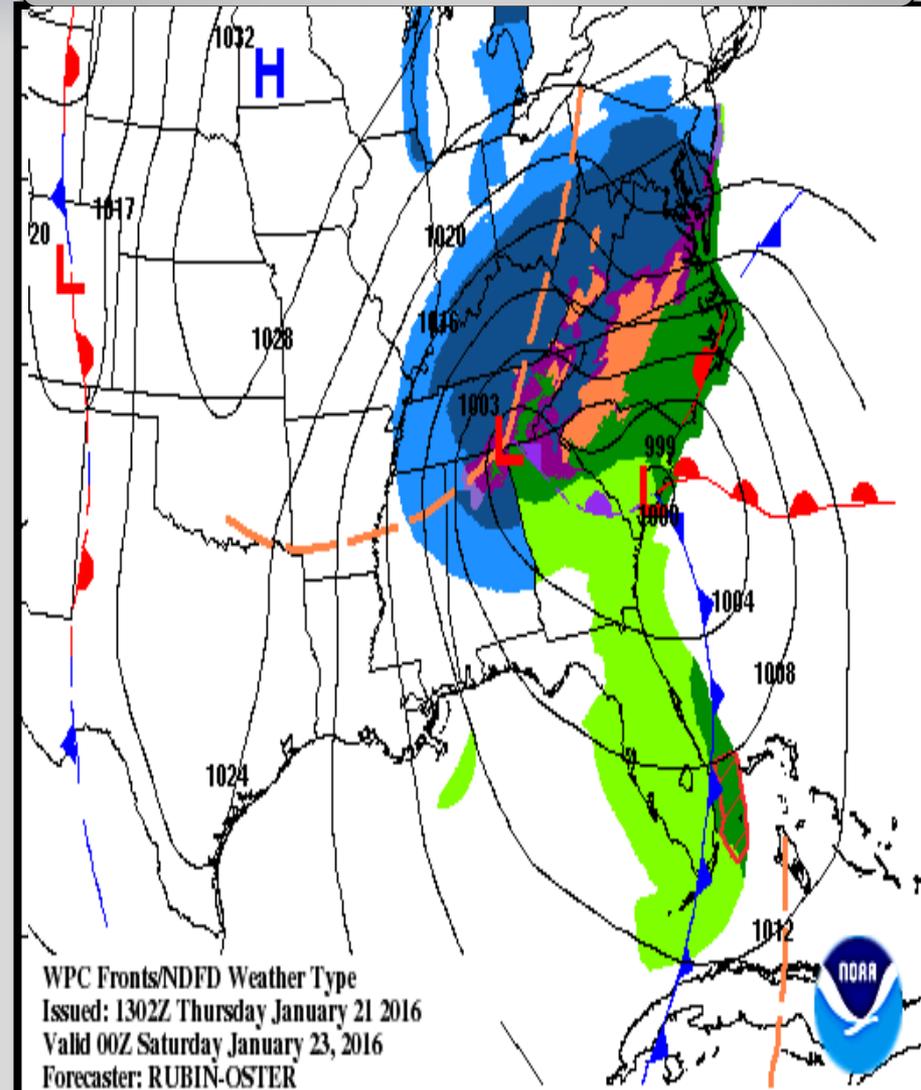
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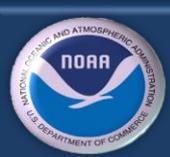
# Forecast Maps and Storm Track

## 7 am Friday



## 7 pm Friday



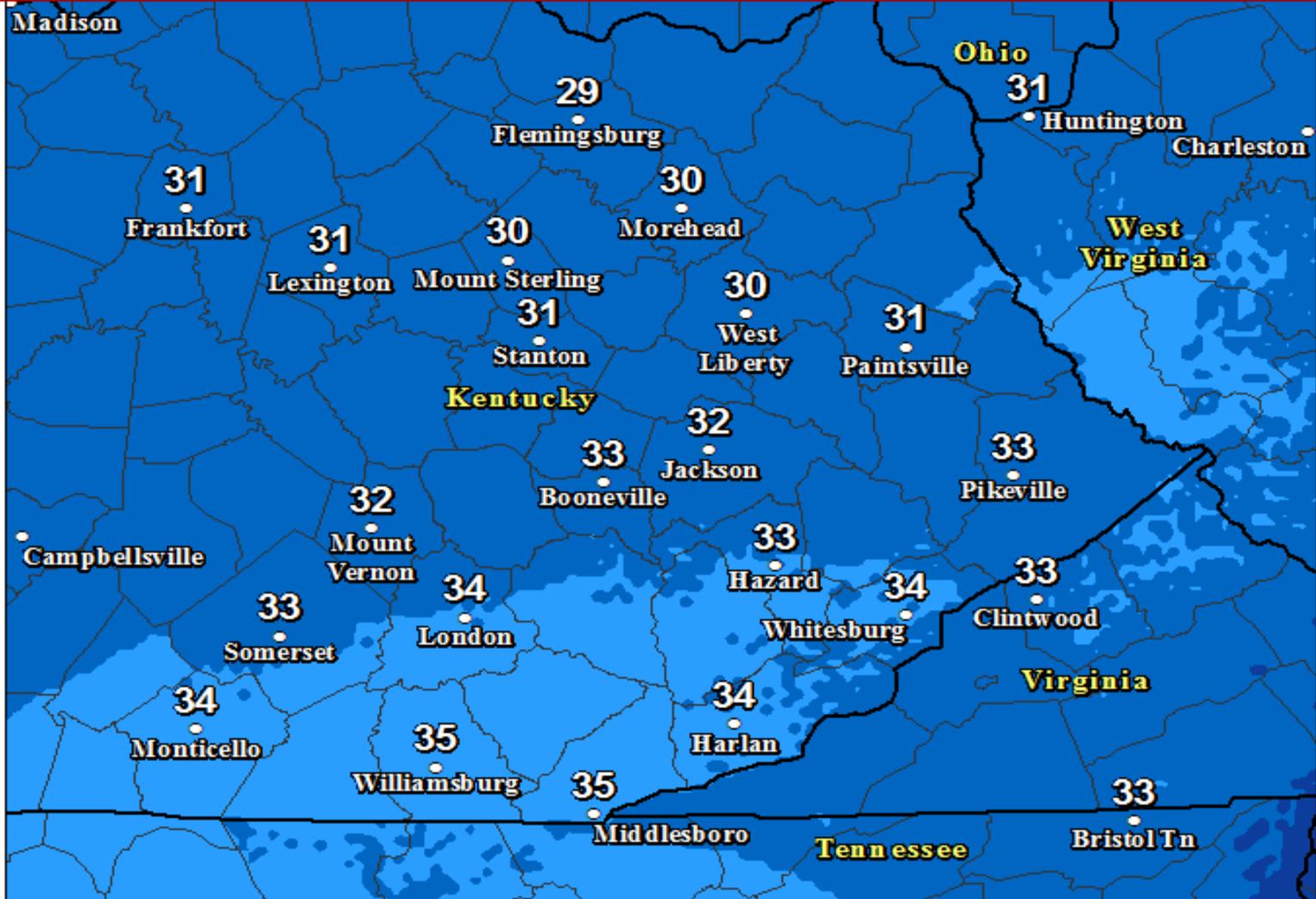
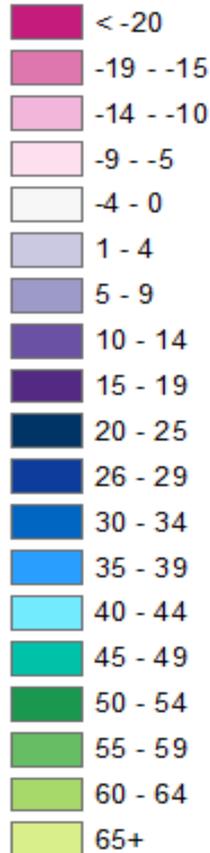


# Friday's Forecast High Temperatures

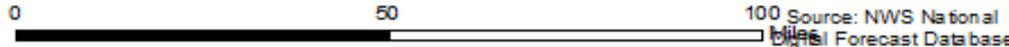


## Maximum Temperature Forecast - January 22, 2016

### Fahrenheit



Created by the NWS Forecast Office Jackson, KY



Source: NWS National Digital Forecast Database

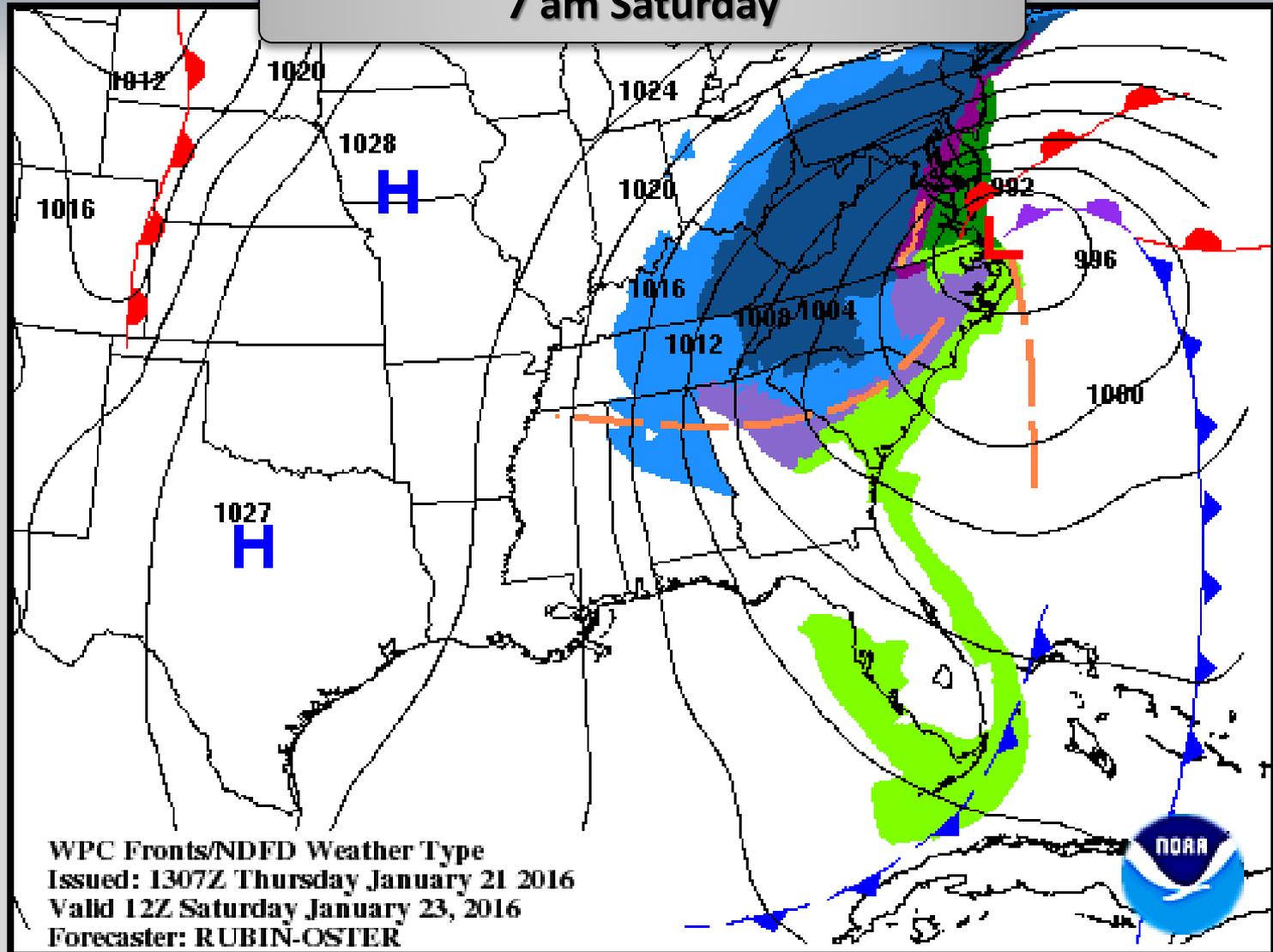
Created: 01/21/2016 1400 UTC



# Forecast Maps and Storm Track



7 am Saturday



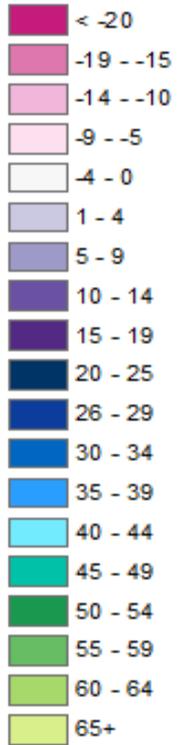


# Friday Night's Forecast Low Temperatures

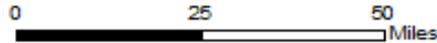
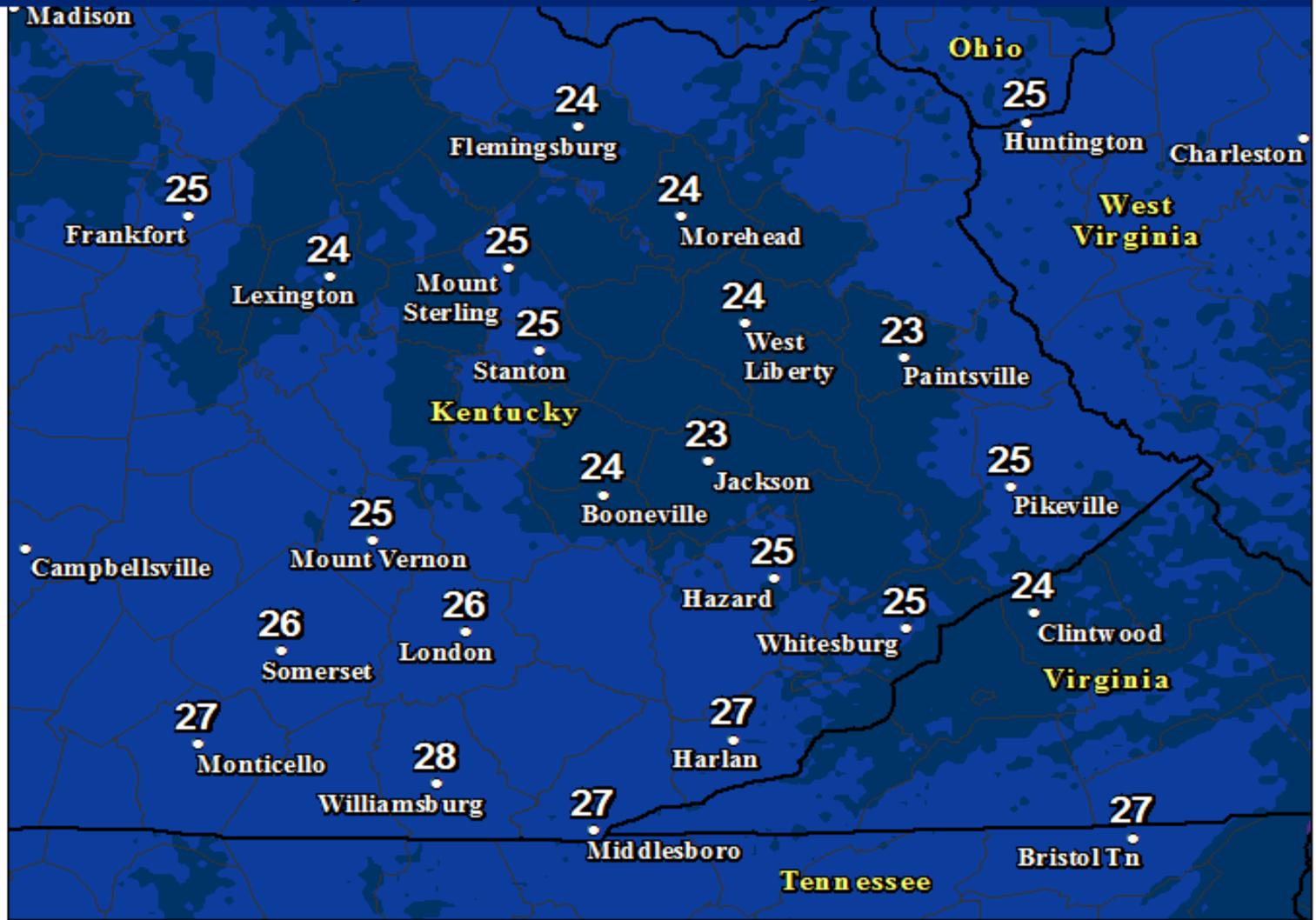


## Minimum Temperature Forecast - January 23, 2016

### Fahrenheit



Created by the  
NWS Forecast Office  
Jackson, KY



Source: NWS National  
Digital Forecast Database

Created: 01/21/2016 1400 UTC

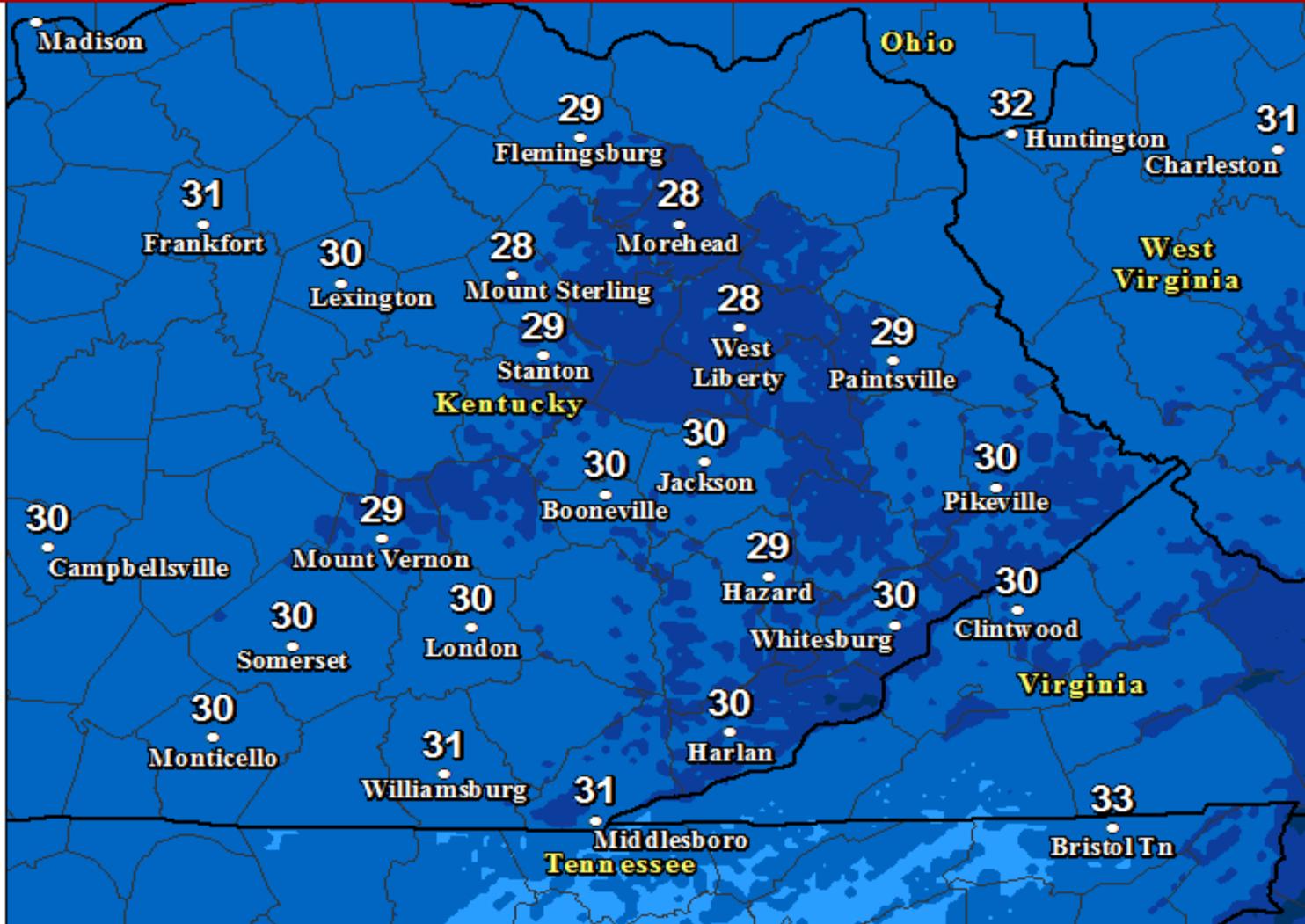
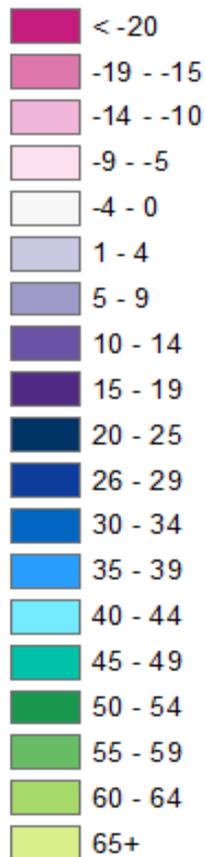


# Saturday's Forecast High Temperatures

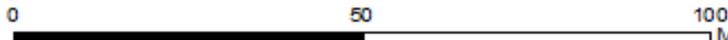


## Maximum Temperature Forecast - January 23, 2016

### Fahrenheit

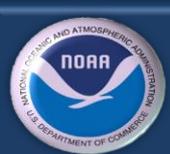


Created by the NWS Forecast Office Jackson, KY



Source: NWS National Digital Forecast Database

Created: 01/21/2016 1500 UTC



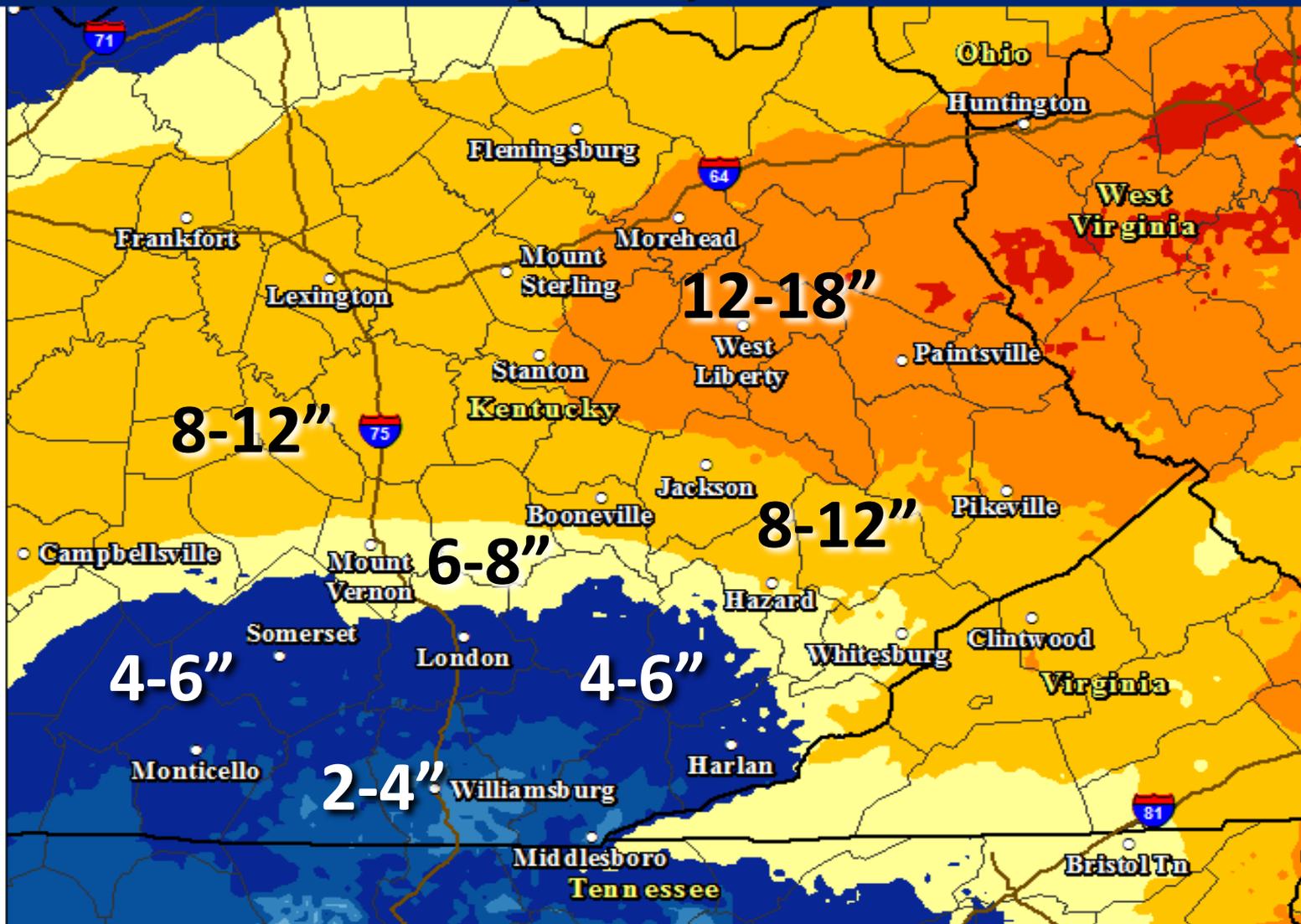
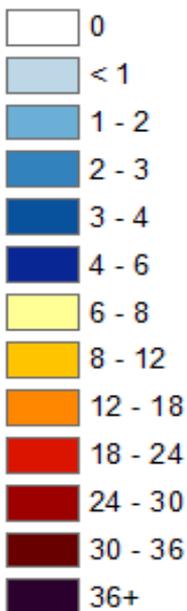
# Forecast Snow Accumulation

## Friday through Saturday



### Total Snow Forecast - Through January 23, 2016 7:00 PM ET

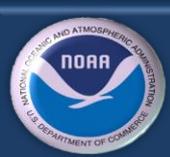
In Inches



Created by the NWS Forecast Office Jackson, KY



Source: NWS National Digital Forecast Database Created: 01/21/2016 1500 UTC



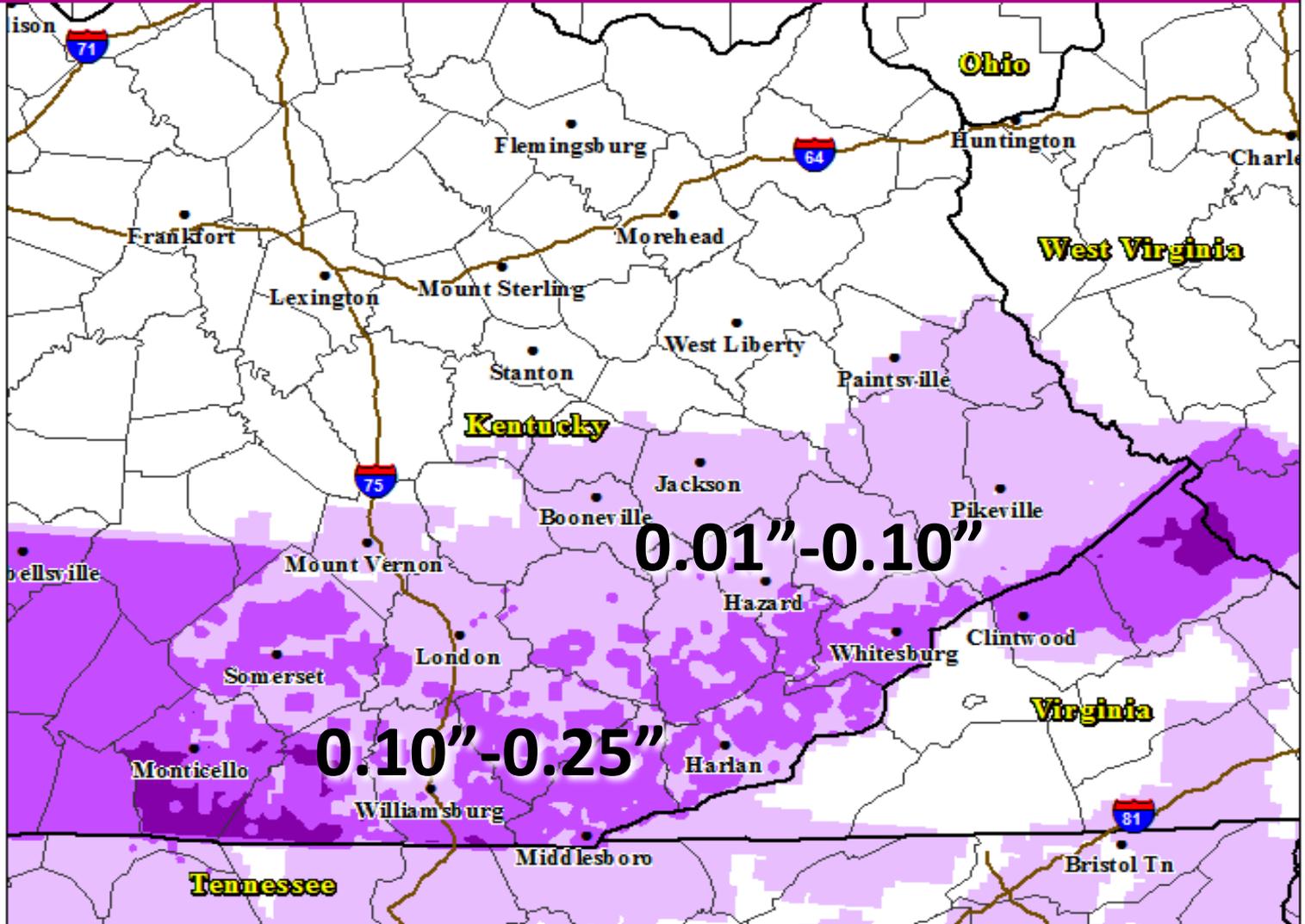
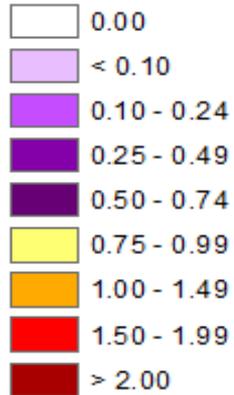
# Forecast Ice Accumulation

## Thursday Night through the day on Friday

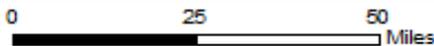


### Total Ice Accumulation Forecast - Through January 23, 2016 7:00 PM EDT

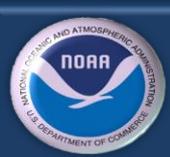
In Inches



Created by the  
NWS Forecast Office  
Jackson, KY



Source: NWS National Digital Forecast Data base  
Created: 01/21/2016 1500 UTC



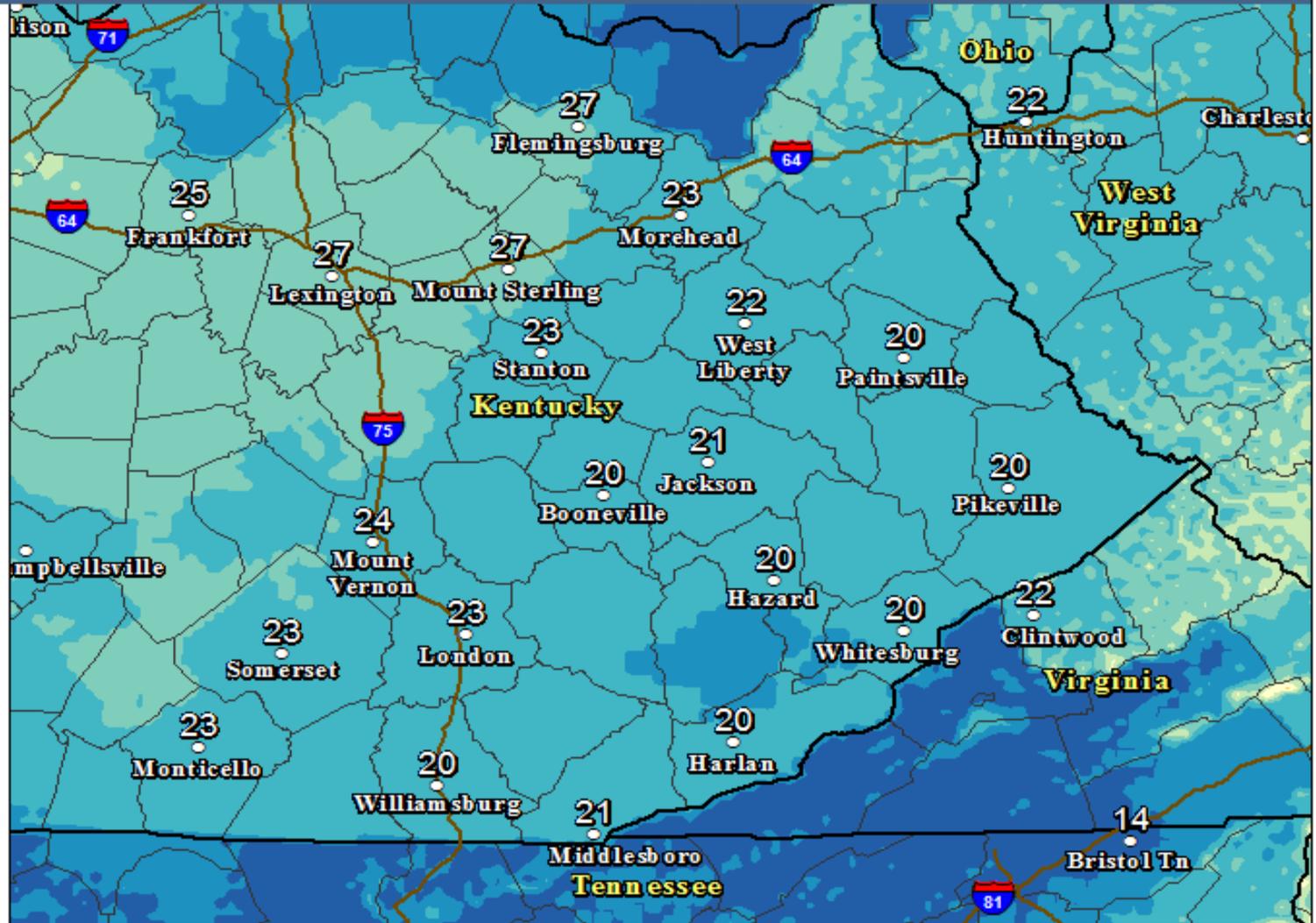
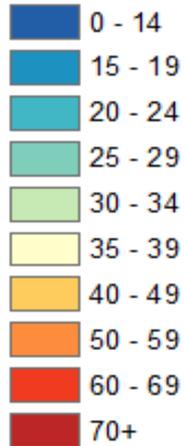
# Peak Wind Gusts

## Friday through Saturday

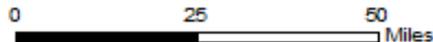


### Maximum Wind Gust - Through January 23, 2016 7:00 PM ET

MPH

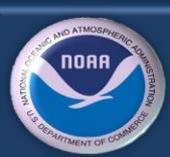


Created by the  
NWS Forecast Office  
Jackson, KY



Source: NWS National  
Digital Forecast Data base

Created: 01/21/2016 1500 UTC

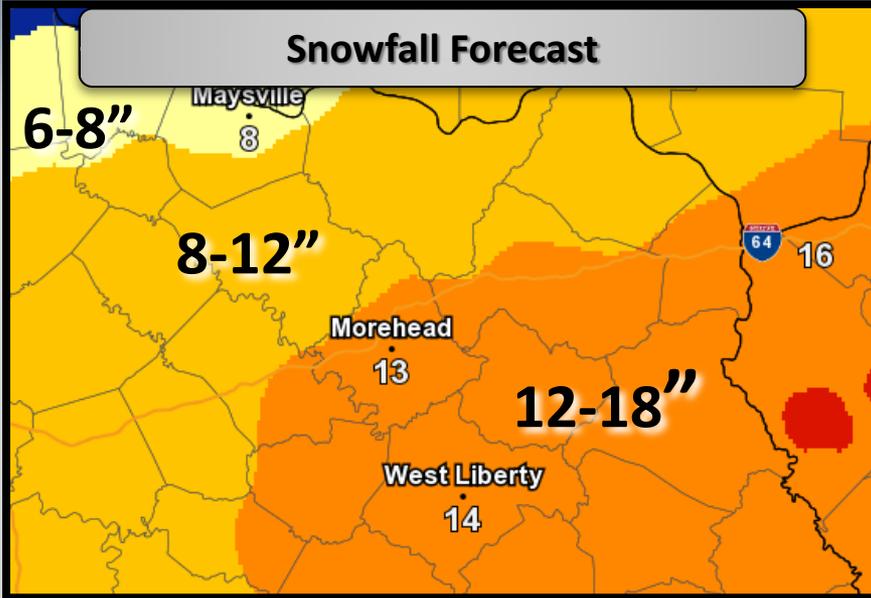


# Winter Storm Impacts

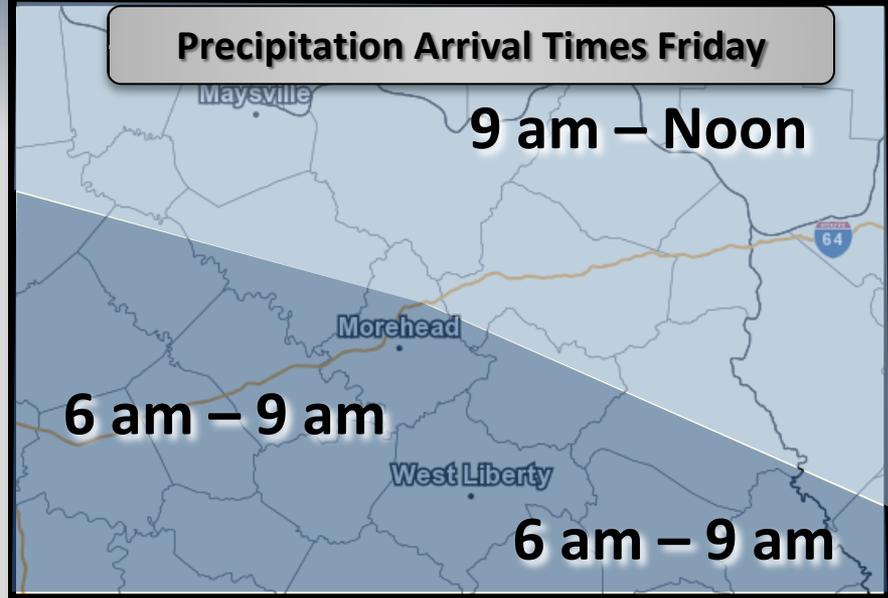
## Gateway Region and Northeast Kentucky



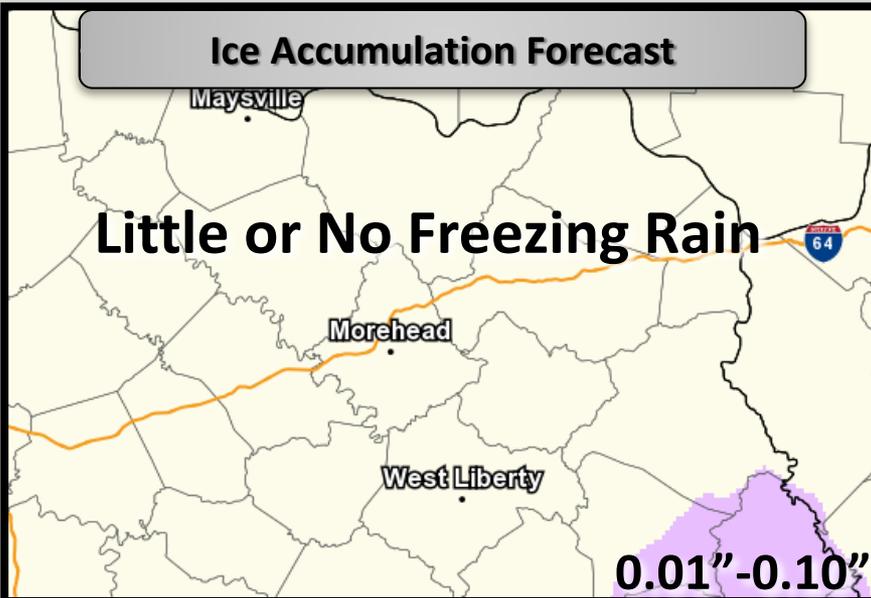
### Snowfall Forecast



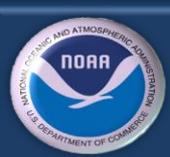
### Precipitation Arrival Times Friday



### Ice Accumulation Forecast



- Precipitation mainly snow. Some sleet may mix in near Mountain Parkway on Friday.
- Snow will fall heavily at times Friday through Saturday morning. Snowfall rates may reach 2 to 3" per hour Friday into Friday evening.
- Near normal snowfall ratios of 10:1 to 12:1.
- North to northeast winds 10 to 15 mph, gusts to 30 mph.

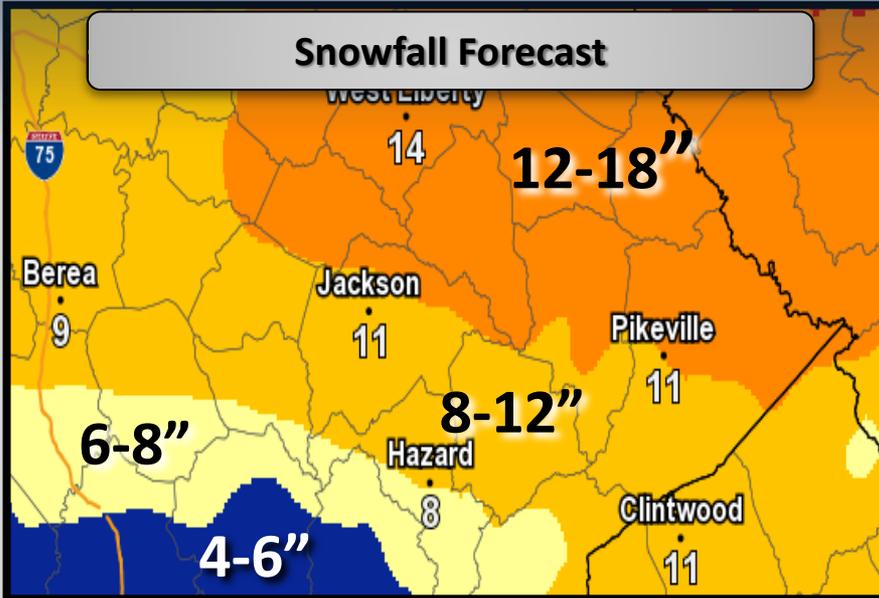


# Winter Storm Impacts

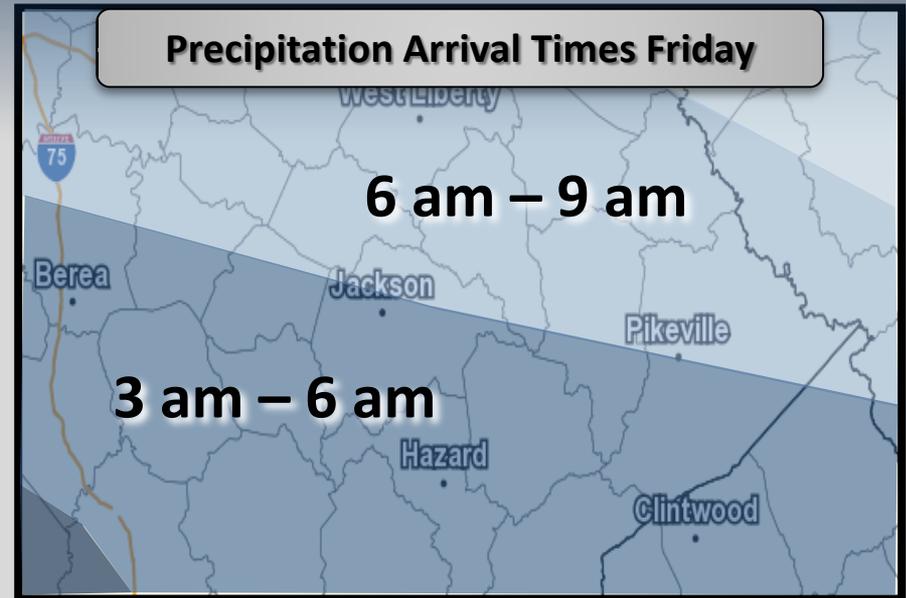
## Kentucky River and Big Sandy Region



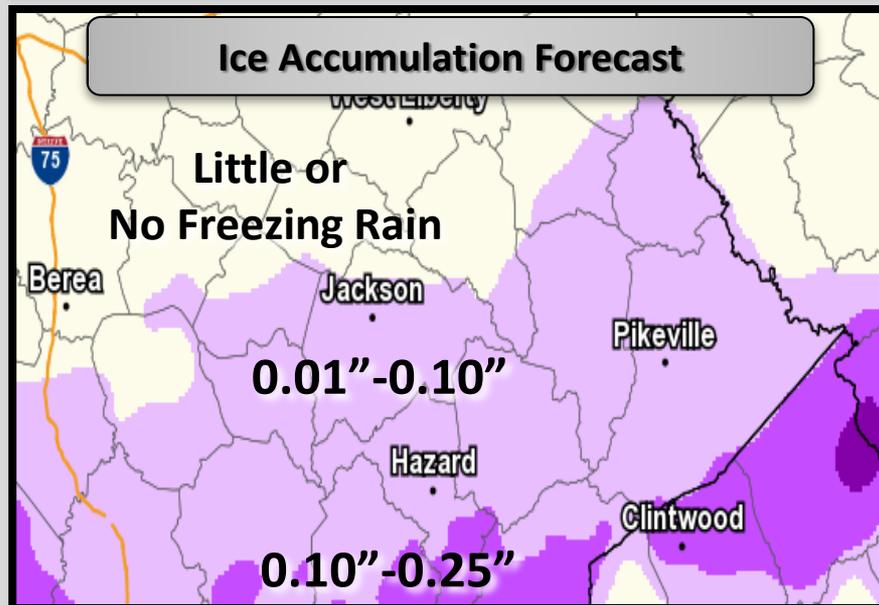
### Snowfall Forecast



### Precipitation Arrival Times Friday



### Ice Accumulation Forecast

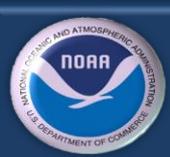


-Precipitation begins as mixture of snow and sleet with some freezing rain mixing in at times. Precip transitions to all snow Friday afternoon.

**-Snow will fall heavily at times Friday through Saturday morning. Snowfall rates may reach 2 to 3" per hour between 10 am and 6 pm.**

-Wet snowfall with ratios of 8:1 to 11:1.

-Northeast wind 5 -15 mph, gusts 25 mph.

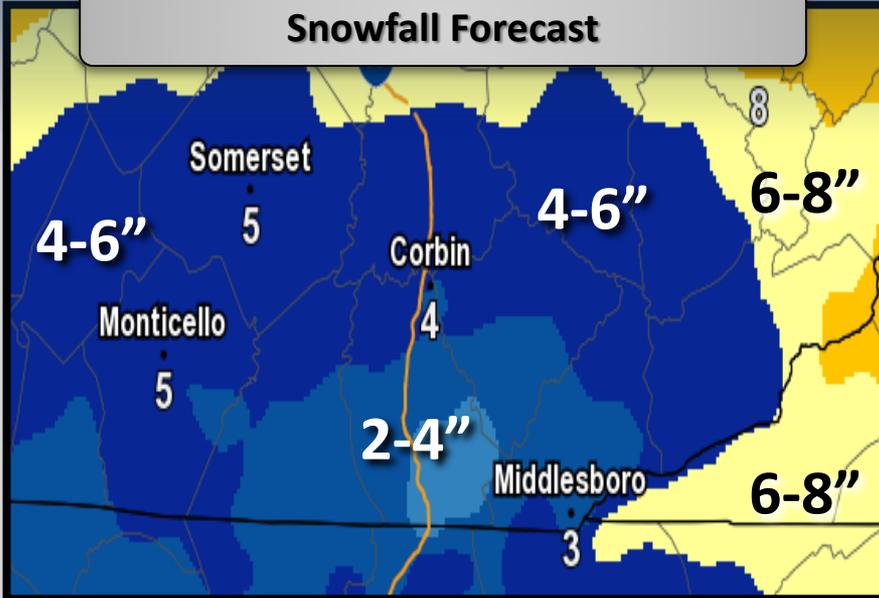


# Winter Storm Impacts

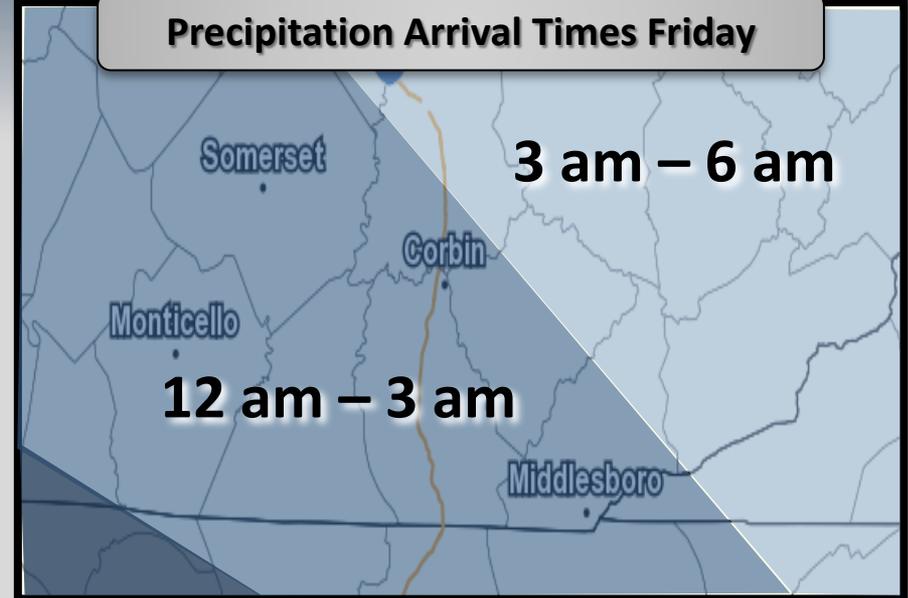
## Upper Cumberland Region



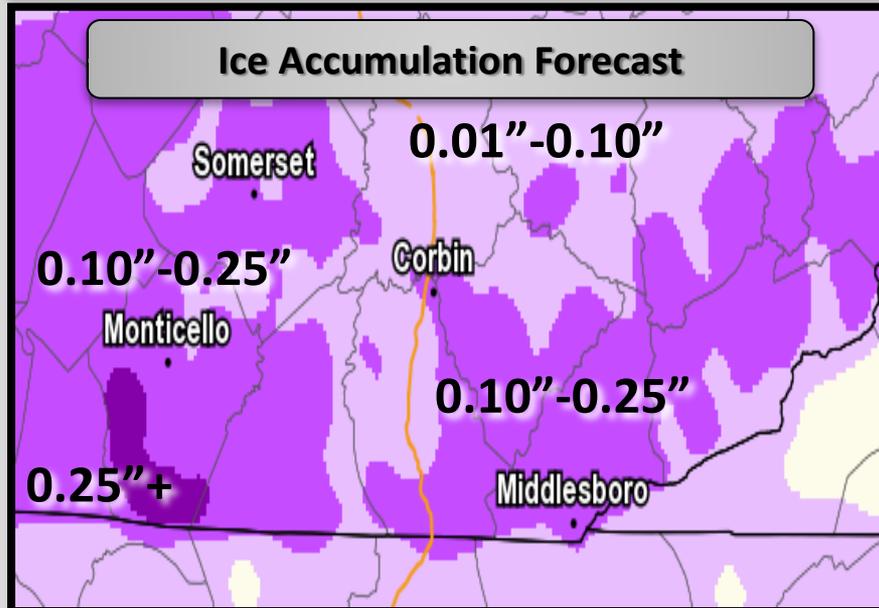
### Snowfall Forecast



### Precipitation Arrival Times Friday



### Ice Accumulation Forecast



**\*\*\*Area of Greatest Forecast Uncertainty\*\*\***

-Wintry mix with a period of rain especially near TN border. Precip changing to snow by Friday afternoon. Periods of heavy snow possible Friday afternoon and then again late Friday night and Saturday morning.

-Wet snowfall ratios of 8:1 to 10:1.

-Northeast wind 5 -15 mph, gusts 25 mph.



# Snowfall Accumulation Range of Possibilities



## Most Likely Snowfall Scenario

Our "Official" Forecast

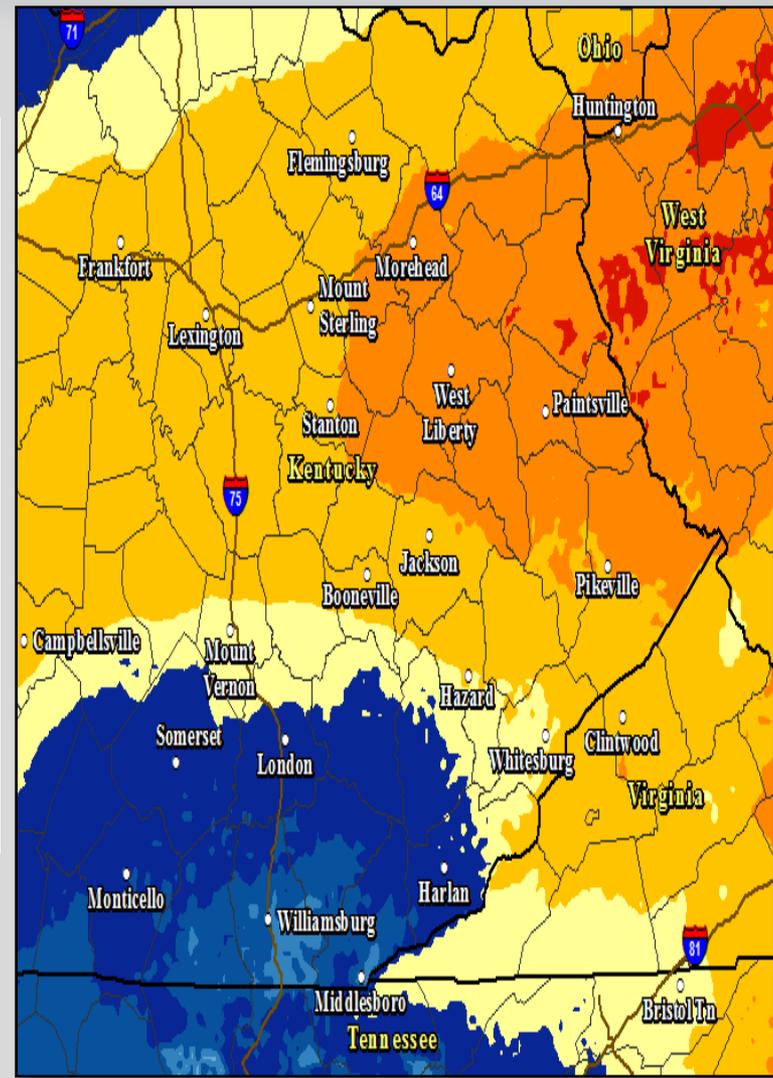
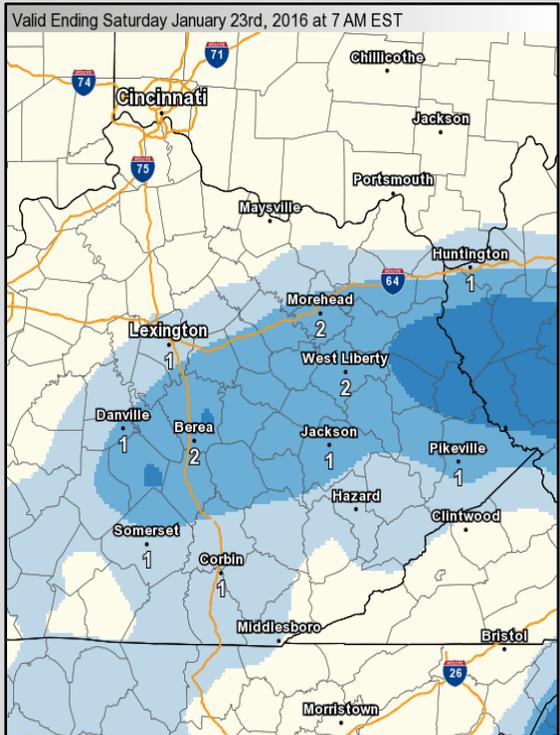
### Minimum Potential Snowfall

Expect at Least This Much

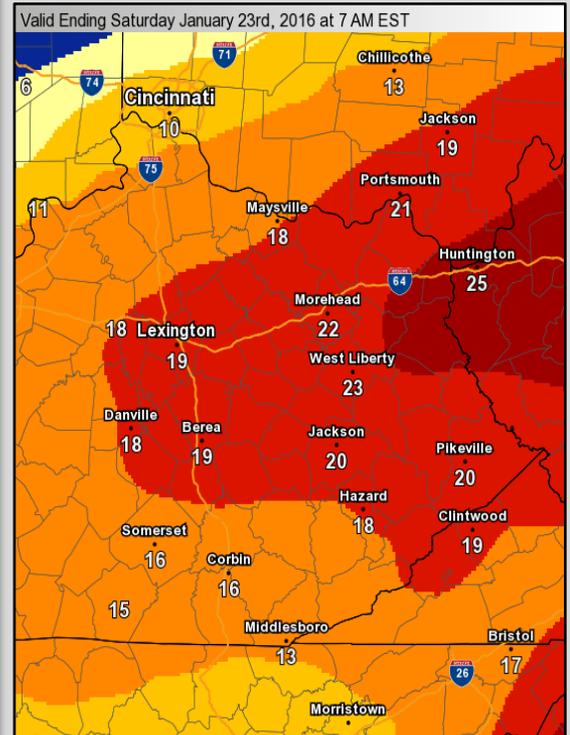
### Maximum Potential Snowfall

Potential for This Much

Valid Ending Saturday January 23rd, 2016 at 7 AM EST



Valid Ending Saturday January 23rd, 2016 at 7 AM EST



Less than an inch	8 to 12 inches
1 to 2 inches	12 to 18 inches
2 to 3 inches	18 to 24 inches
3 to 4 inches	24 to 30 inches
4 to 6 inches	30 to 36 inches
6 to 8 inches	Greater than 36 inches

**This information is for advance planning ahead of the storm.**

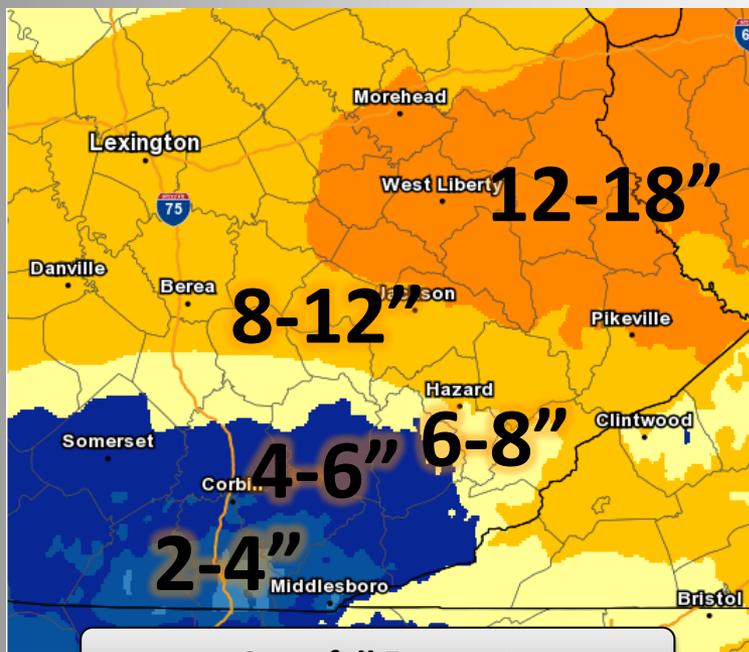
# Major Winter Storm Tonight Through Saturday



Precipitation Developing  
(Mixed Precip South, Snow North)

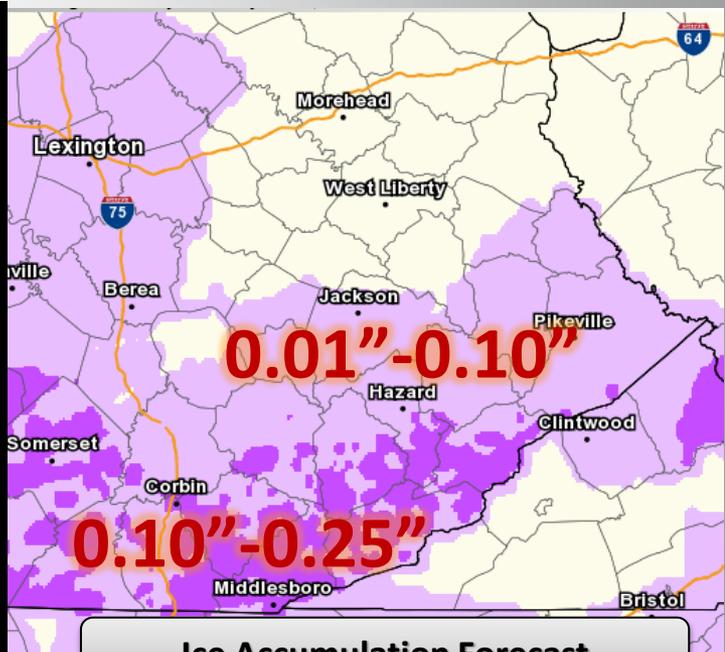
Snow, Heavy at Times

Snow Diminishing



Snowfall Forecast

**Impacts:**  
**Treacherous Or Even Impossible Driving Conditions**  
**Power Outages Likely**



Ice Accumulation Forecast



Thursday, January 21, 2016  
National Weather Service - Jackson, KY

