Weather Briefing
February 7, 2013

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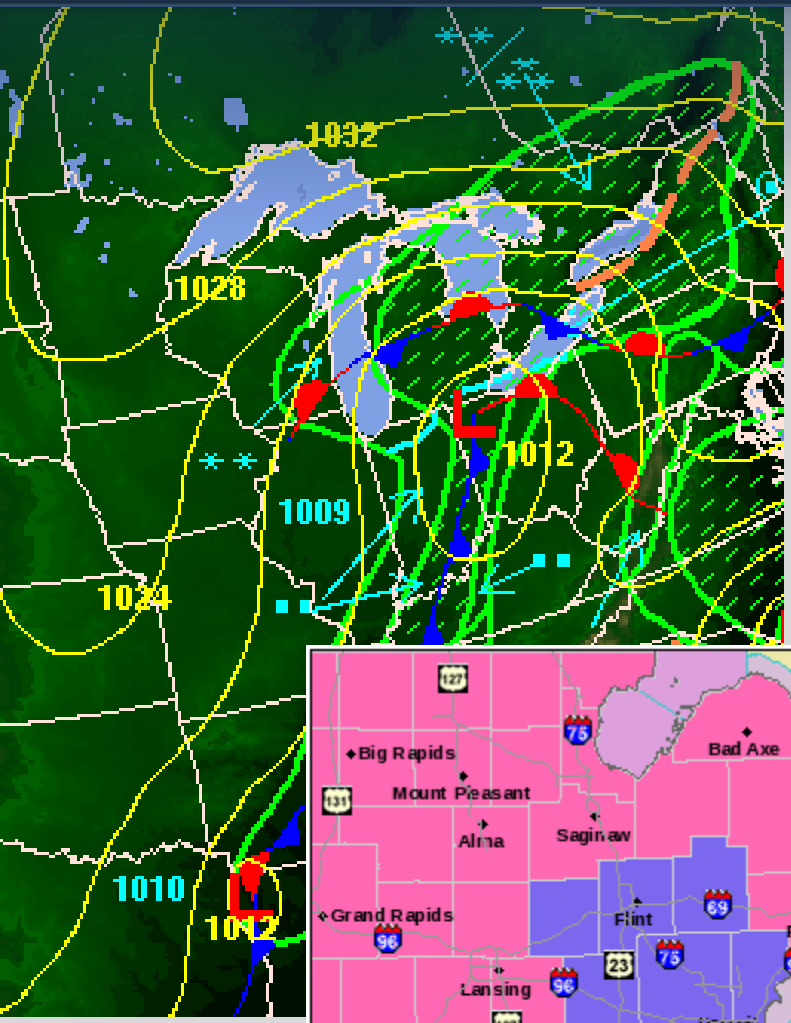
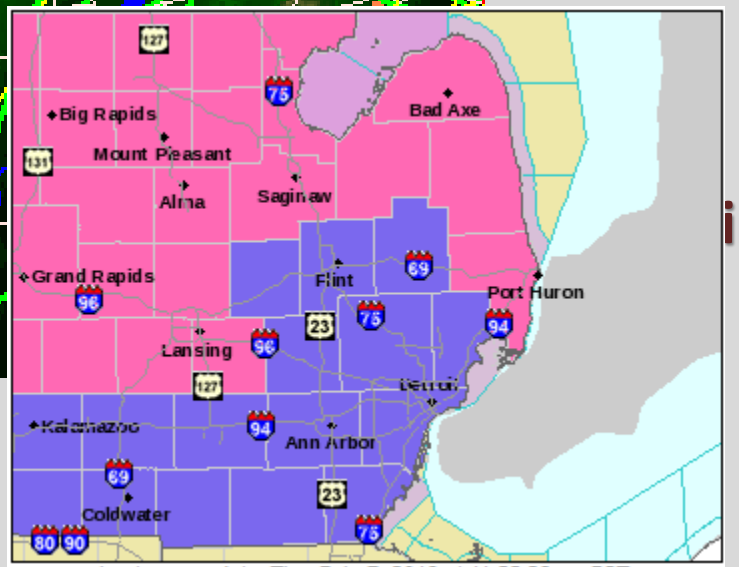
National Weather Service
Detroit/Pontiac, MI

http://www.weather.gov/dtx

Email: w-dtx.webmaster@noaa.gov

Decision Support Briefing
Highlights





Forecast for tonight

Event Summary

Winter Storm Warning for a prolonged heavy Snow event across Tri Cities and Thumb regions beginning this evening

Winter Weather Advisory for tonight across a portion of Southeast Michigan that includes Detroit, Ann Arbor and Flint, for freezing rain and several hours of wet snow

Winter Hazard Risk Assessment

This Event is a Rare Weather Event for warned counties

(Midland, Bay, Saginaw, Tuscola, Huron, Sanilac, St. Clair)

Large Disruption to Daily Life
Potentially Life Threatening

Recovery Time

Several Hours to a Day After the Weather Ends

This Event is an Occasional Weather Event for advisory counties

(I-69 and south)

Some Disruption to Daily Life
Rarely Directly Life Threatening

Recovery Time

+/- 6 Hours of When Weather Hazard Ends

Extreme:
- Historic Weather Hazard/Event
- Life Threatening
- Total disruption of daily life
- Recovery Time: days to one week

High:
- Rare Weather Hazard/Event
- Potentially Life Threatening
- Widespread disruption of daily life
- Recovery Time: hours to a day

Moderate:
- Occasional Weather Hazard/Event
- Rarely directly life threatening
- Some disruption of daily life
- Recovery Time: +/- 6 hrs of when weather ends

Potential Impacts

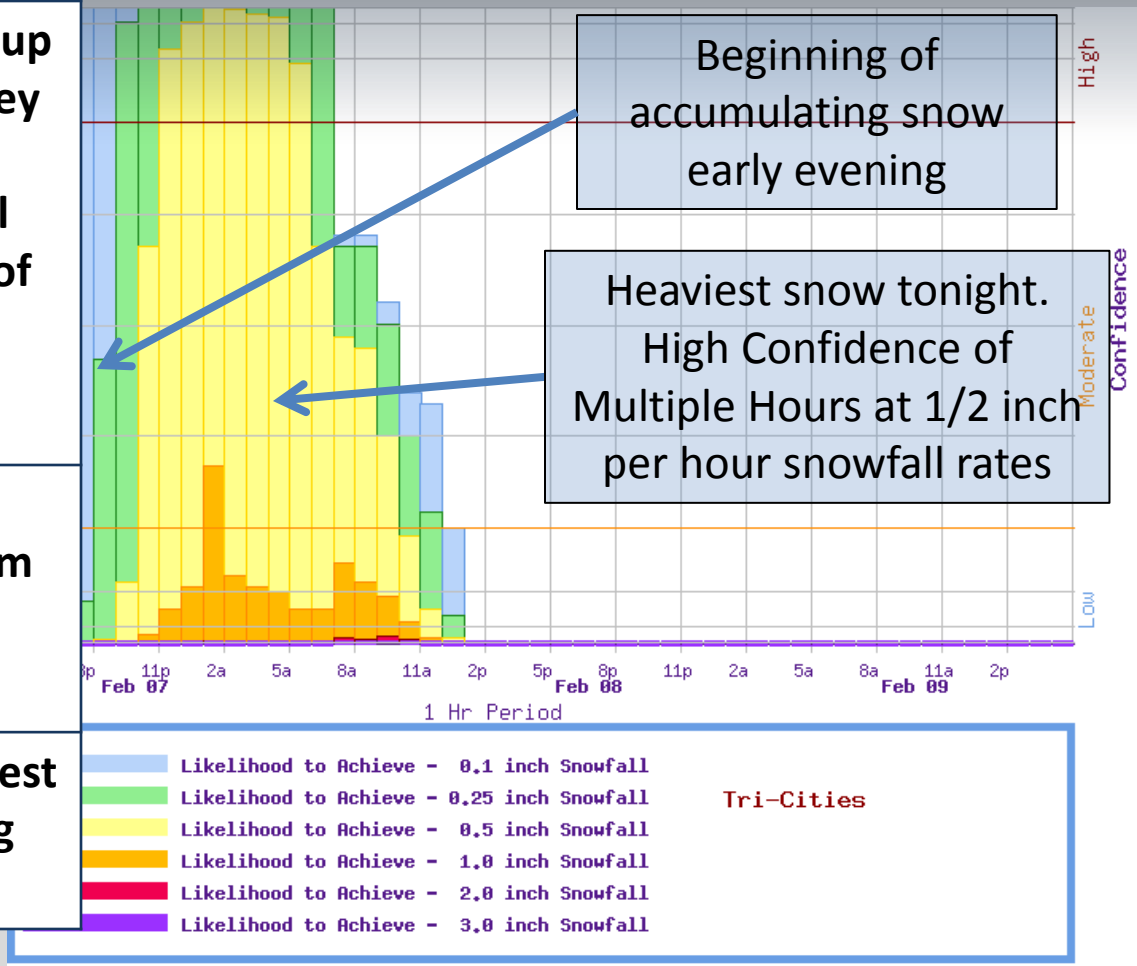
Road Conditions	• Snow covered, especially after nightfall this evening • Snowy or glazed roads expected into the Friday morning commute • Air temperatures in the upper 20s and lower 30s at the start of the snow • Temperatures falling into the mid to upper 20s by Friday morning

Power Outage Potential	High	Medium	Low ✓
Blowing/Drifting Potential	High	Medium	Low ✓

Timing of Winter Weather

Saginaw Valley

Beginning	• **Band of snow will set up over the Saginaw Valley this evening** • **This band of snow will swing across the rest of Southeast Lower MI tonight**
Heaviest	• **Heaviest snow is expected between 8pm this evening and 8am Friday Morning**
Ending	• **Snow will end from west to east Friday morning**

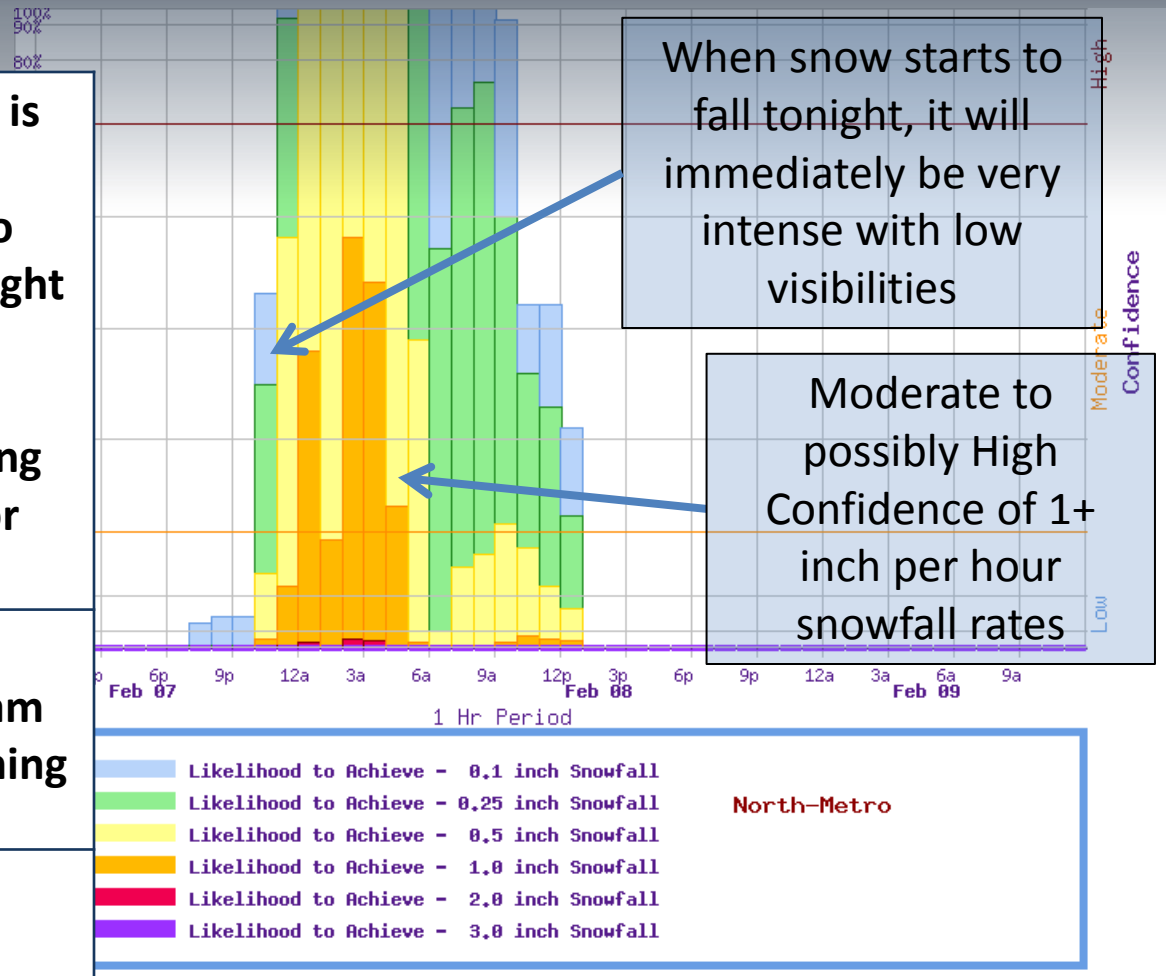


Snowfall Timeline

Timing of Winter Weather

Metro Detroit and Flint

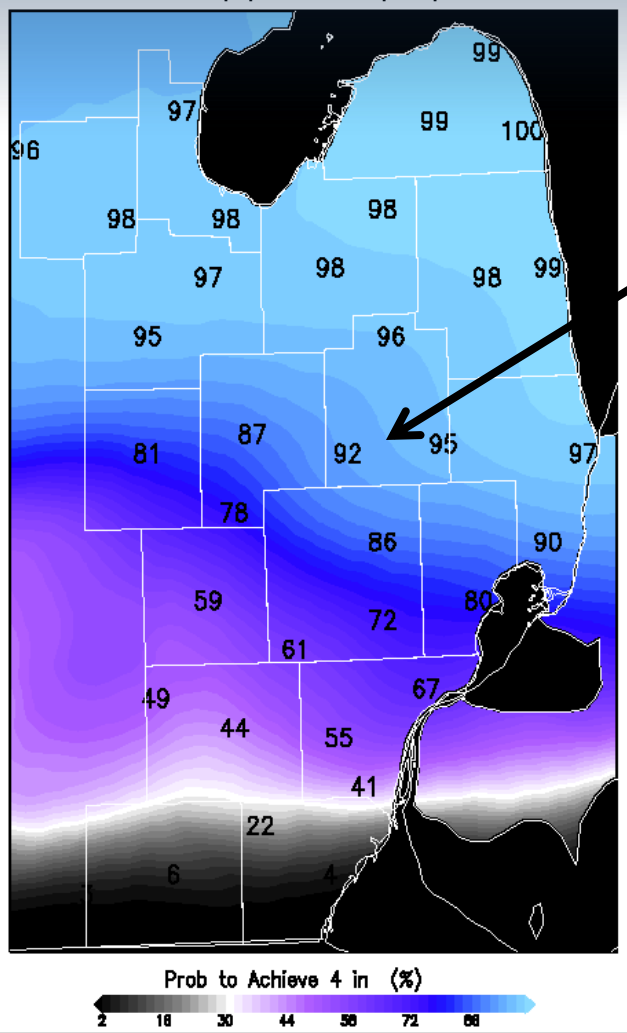
Beginning	• **Area of intense snow is expected to begin to affect Flint and Metro Detroit around midnight tonight** • **Snow May be Mixed with Sleet and Freezing Rain across Ann Arbor and Detroit**
Heaviest	• **Heaviest snow is expected between 1am and 8am Friday Morning**
Ending	• **Snow will end Friday morning**



Snowfall Timeline

Snowfall Confidence

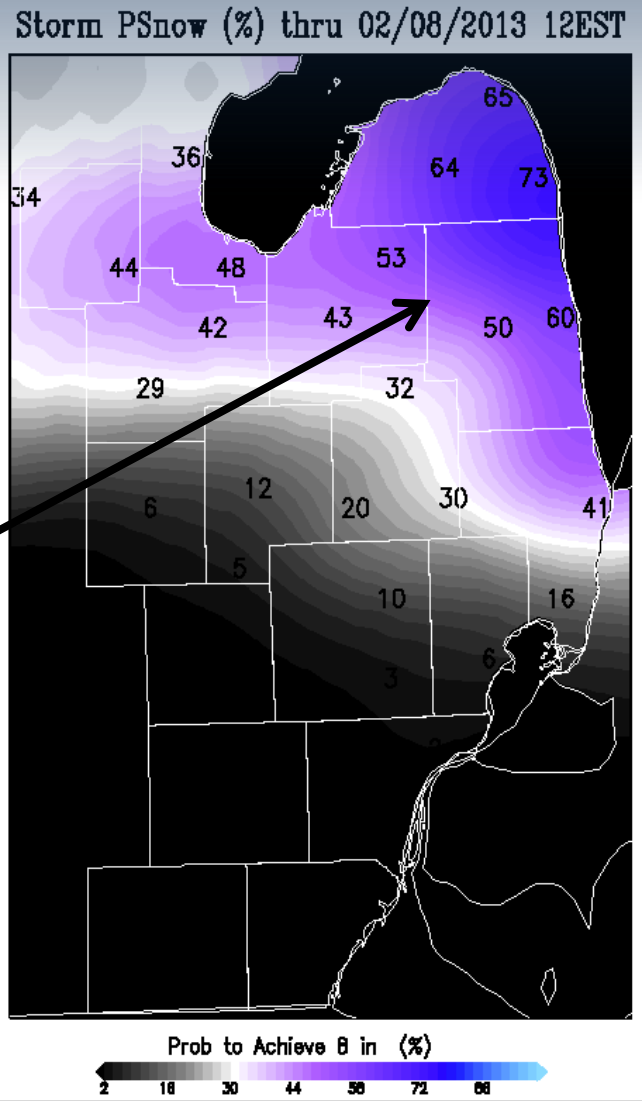
Storm Total



AREA View

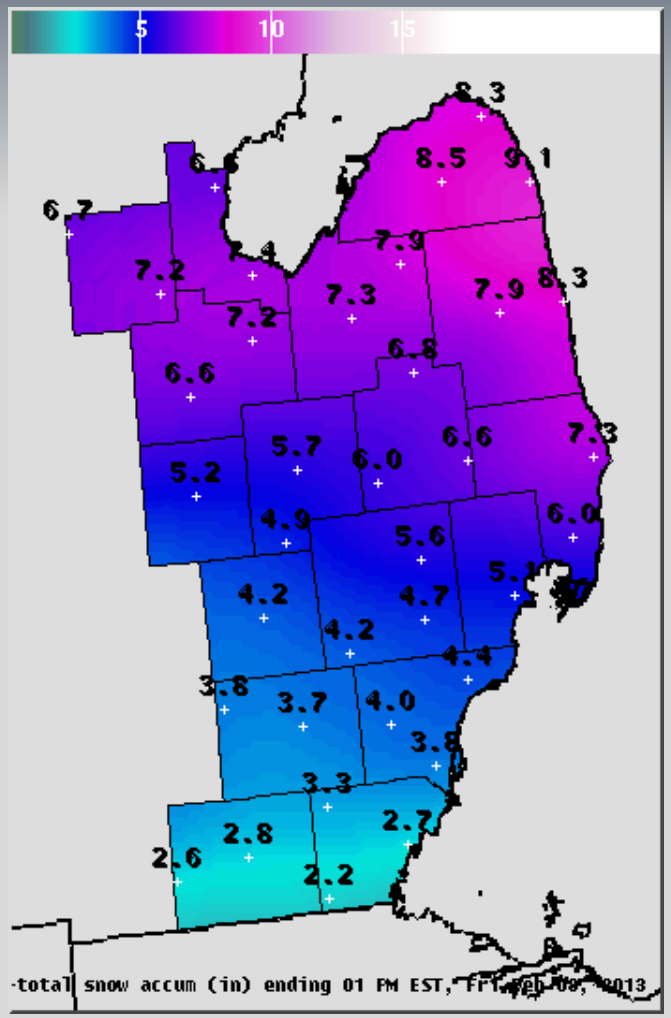
High confidence snowfall totals will achieve 4 inches.

Moderate confidence snowfall totals will achieve 8 inches



Storm Total Snowfall

This Afternoon through Friday Morning



Snow Total for the Thursday and Thursday Night (in inches)

Potential Snow Accumulation

- 6 to 9 inches: Tri Cities and Thumb Regions
- 4-7 inches: I-69 to M-59
- 2 to 4 inches plus icy mix: South of I-96

Type of Snow

Typical Water Content for Southeast Michigan… Wetter and Heavier than the past week's snowfalls

Additional Hazards

- Some gusty winds for the Lake Huron Shoreline
- Visibilities will potentially be reduce to a ¼ mile or less during the heaviest of the snowfall

Decision Support Briefing
Summary

What	Where	Timing	Impacts
Snow 6-9 inches	Tri Cities and Thumb Regions	This Evening through Friday Morning	Snow covered roadways Reduced Visibilities
Snow 4-7 inches	I-69 to M-59	Overnight to Friday Morning	Many Snow covered roadways Reduced Visibilities
Snow 2-4 inches **Ice** Glazing to .1”	Metro Detroit south To Ohio Border	Overnight to Friday Morning	Some snow covered and icy roads

Additional Information

Local Hazards Page
http://www.weather.gov/detroit/svr.php

Great Lakes Marine Portal
http://www.weather.gov/greatlakes

Hourly Wind Probabilities
http://www.crh.noaa.gov/dtx/?n=pwind

Hourly Snowfall Probabilities
http://www.crh.noaa.gov/dtx/?n=hourlysnowprobabilities

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