

External Update...
Friday, Jan 17th



MODERATE SNOWFALL EXPECTED SUNDAY ARCTIC AIR MASS EXPECTED NEXT WEEK

Connecticut Department of Emergency Services & Public Protection
Division of Emergency Management & Homeland Security

Governor Ned Lamont
Ronnell A. Higgins, Commissioner
Brenda M. Bergeron, Deputy Commissioner
William H. Turner III, Director

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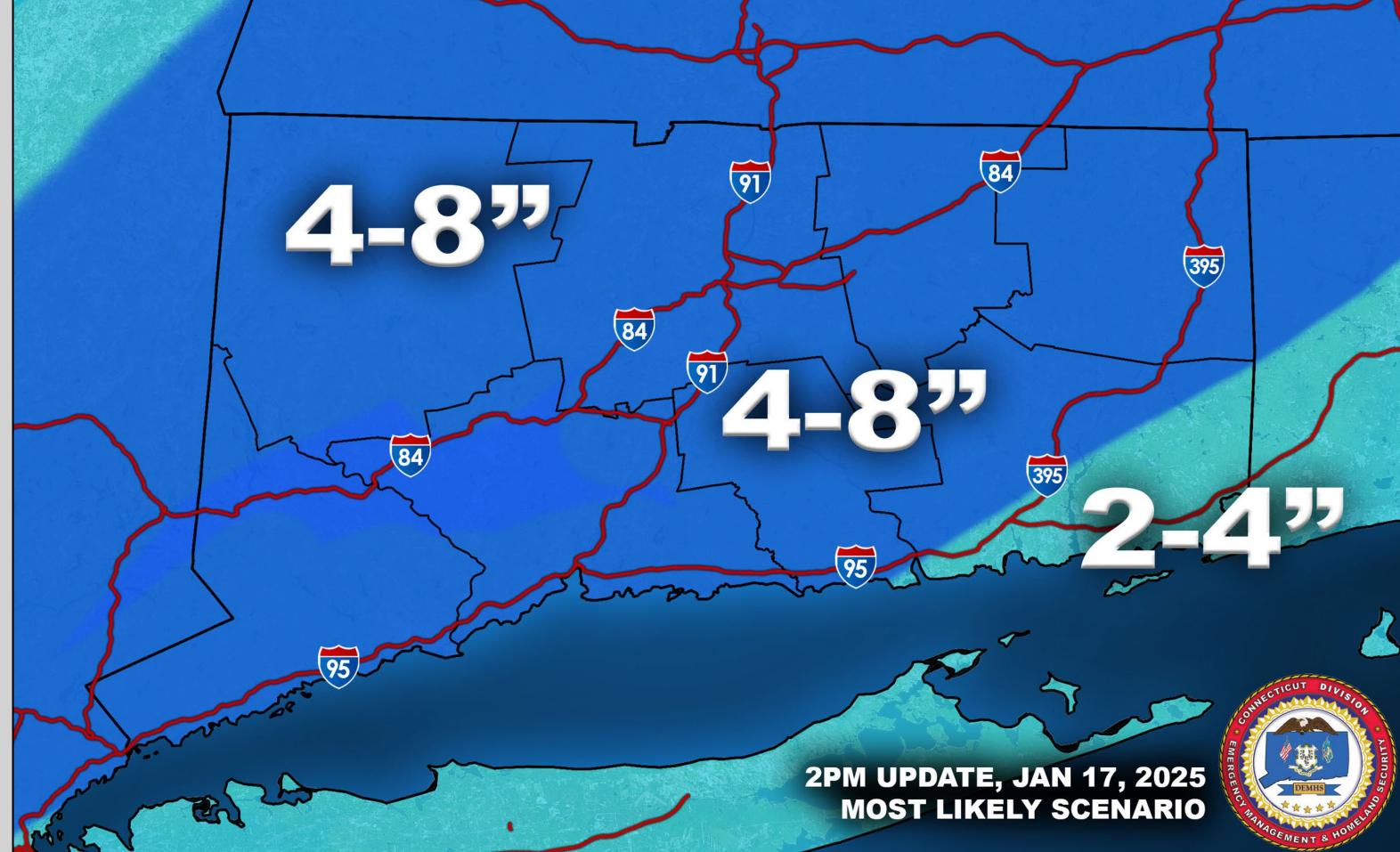


MODERATE SNOWSTORM EXPECTED ON SUNDAY...



A low-pressure system is forecast to move up the east coast along a cold front during the day on Sunday and pass just south of Long Island Sunday evening.

Differences still exist in the GFS, EURO and NAM models. A consensus of the three models is shown to the right. We are currently forecasting a 4" – 8" snowfall across most of the state. The worst-case scenario is around a foot of snow.

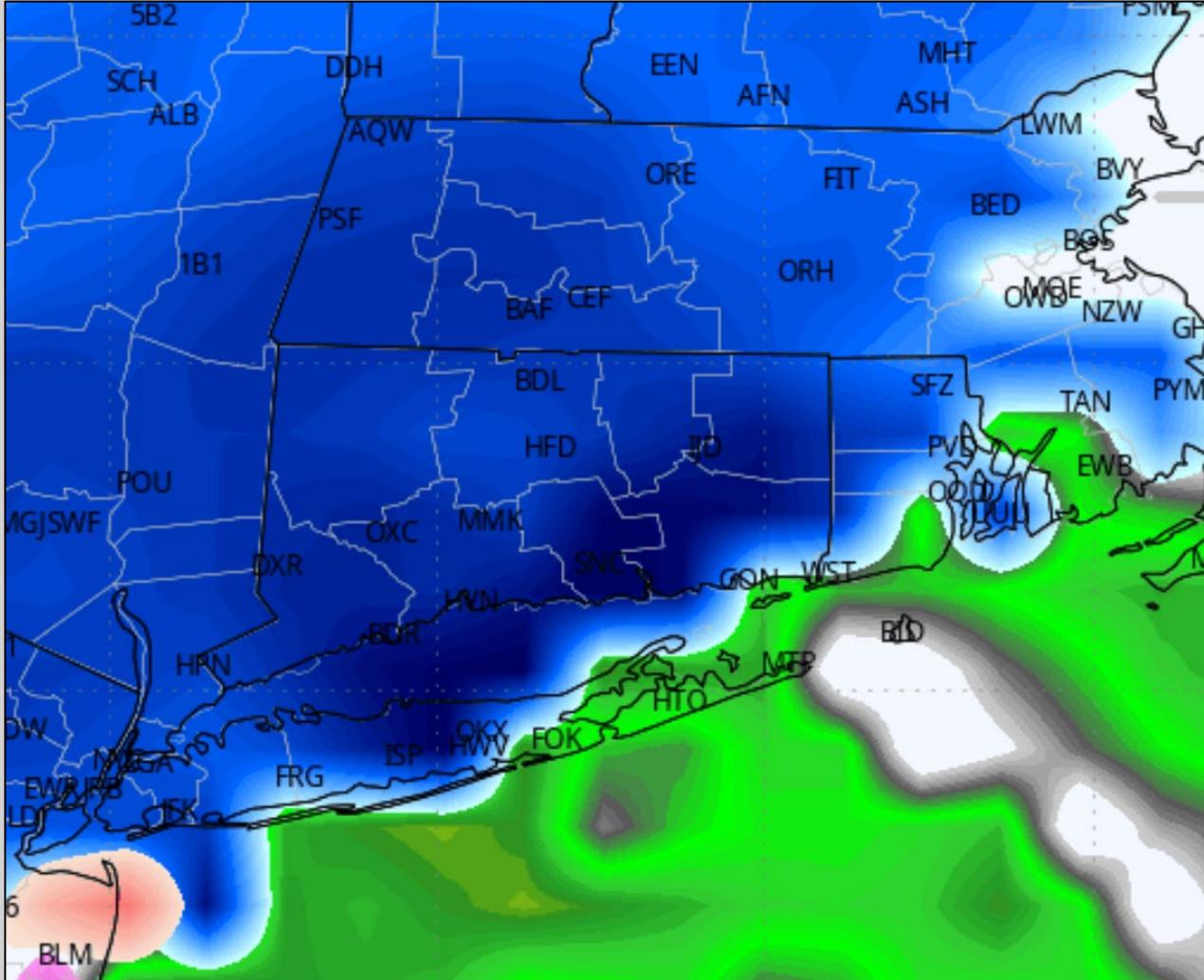




SIMULATED RADAR AT 4:00 PM SUNDAY AFTERNOON...

Snow is expected to spread into the state from southwest to northeast early Sunday afternoon. A rain/snow line may approach the southeast coast by late Sunday afternoon but is not expected to move inland. The image to the right is from the GFS model at 4:00 PM Sunday afternoon and shows moderate snow across the state.

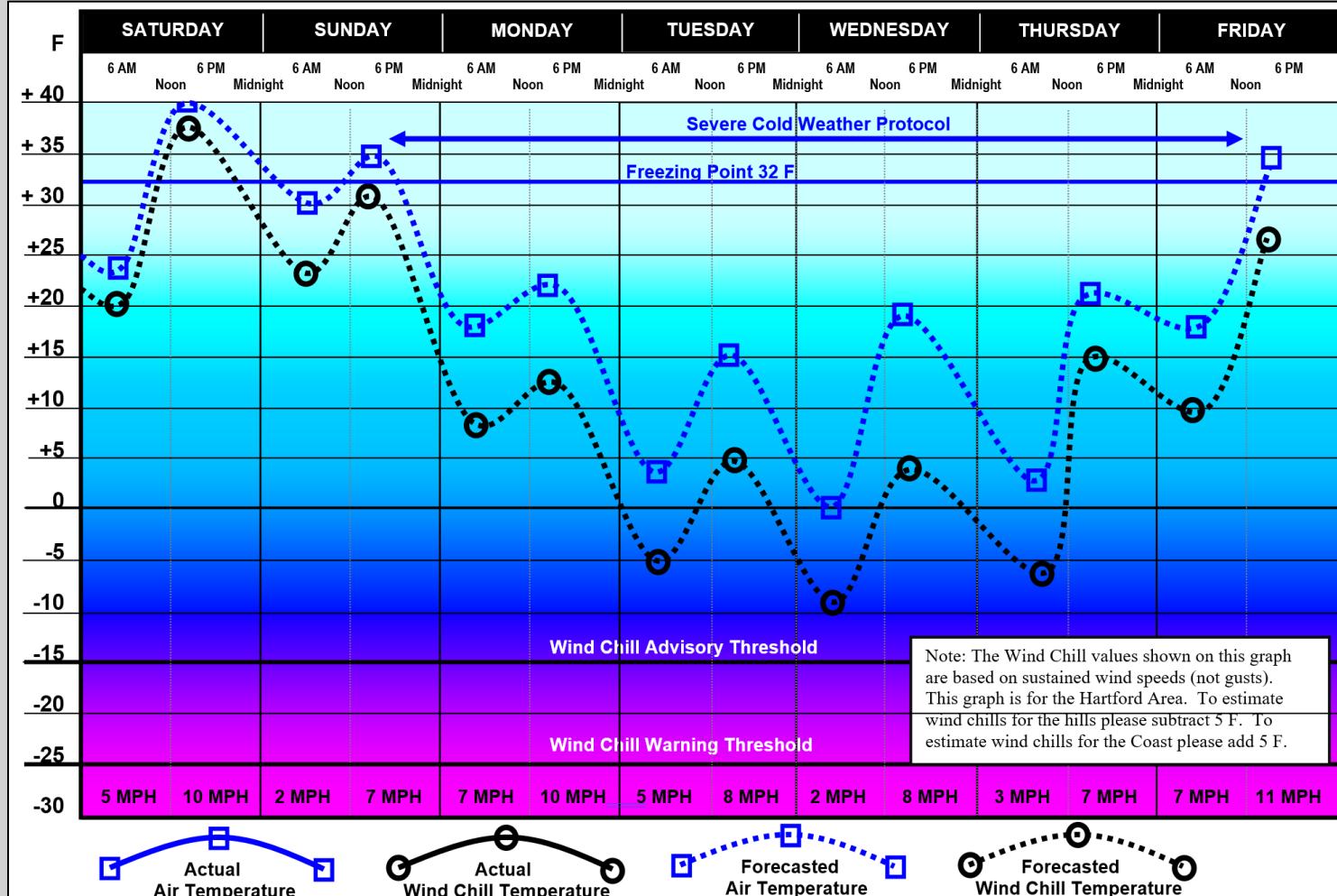
The snow for this event is expected to be dry and fluffy in the Northwest hills which may enhance snow totals and a little wetter at the coast which may reduce snow totals. The snow is expected to end by midnight Sunday night.





TEMPERATURE AND WIND CHILL FORECAST FOR NEXT WEEK...

A blast of arctic air is forecast to move down from Canada and into the northeastern U.S. starting Sunday evening. This is expected to be the coldest air of the season with high temperatures only in the teens and low 20's for the period from Monday to Thursday. Temperatures are expected to remain below freezing from 6:00 PM on Sunday until noon on Friday. Overnight lows are expected to be near zero Monday, Tuesday and Wednesday nights with wind chills ranging from 0 to -15 F.



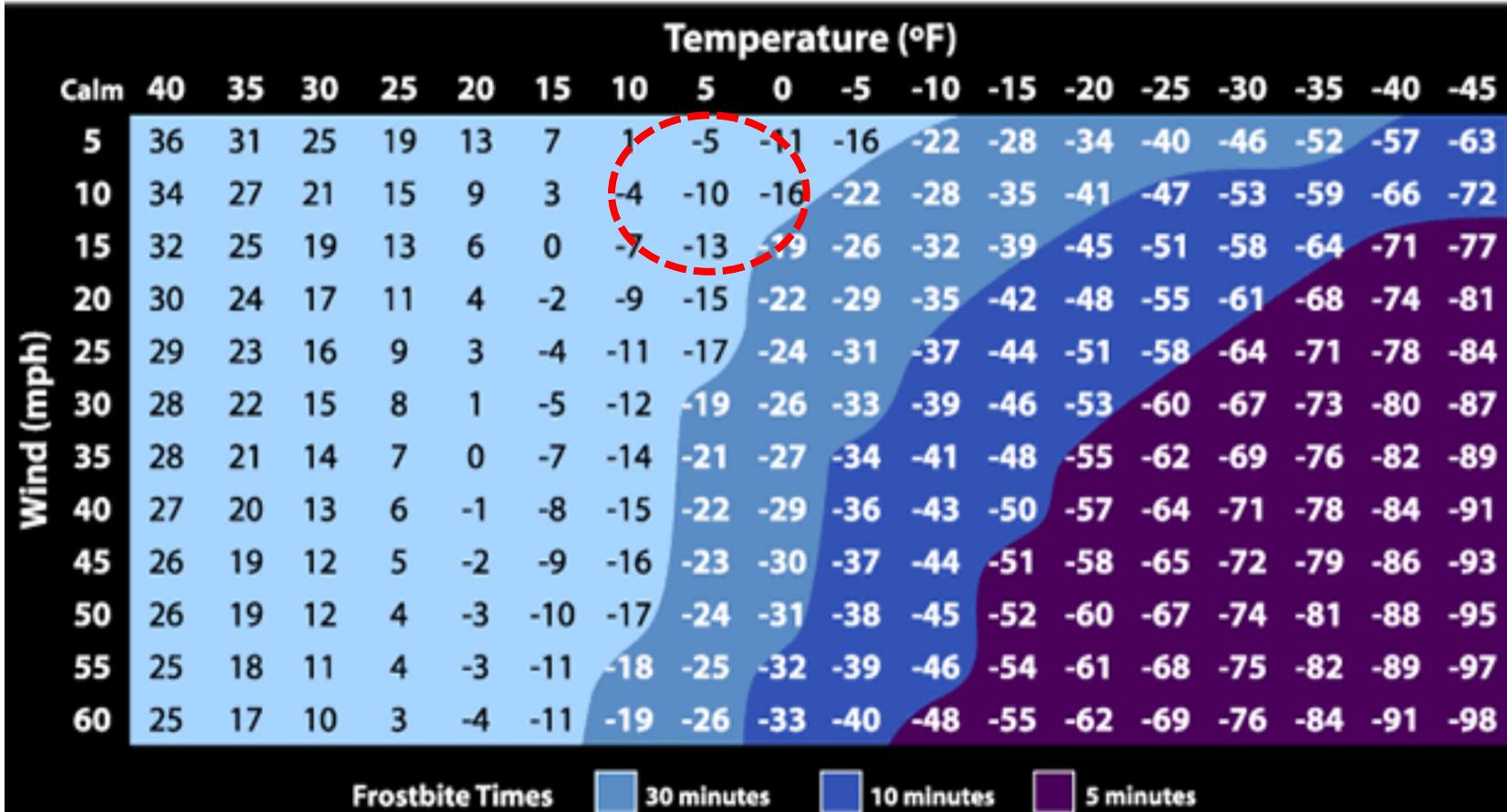


TEMPERATURE AND WIND CHILL FORECAST...



Wind chills ranging from -0 to -15 F can cause frostbite in 30 minutes on exposed skin.

Persons are advised to dress in layers. At these temperatures, the air is very dry and persons are advised to drink plenty of water to remain hydrated.



Frostbite Times 30 minutes 10 minutes 5 minutes

$$\text{Wind Chill (°F)} = 35.74 + 0.6215T - 35.75(V^{0.16}) + 0.4275T(V^{0.16})$$

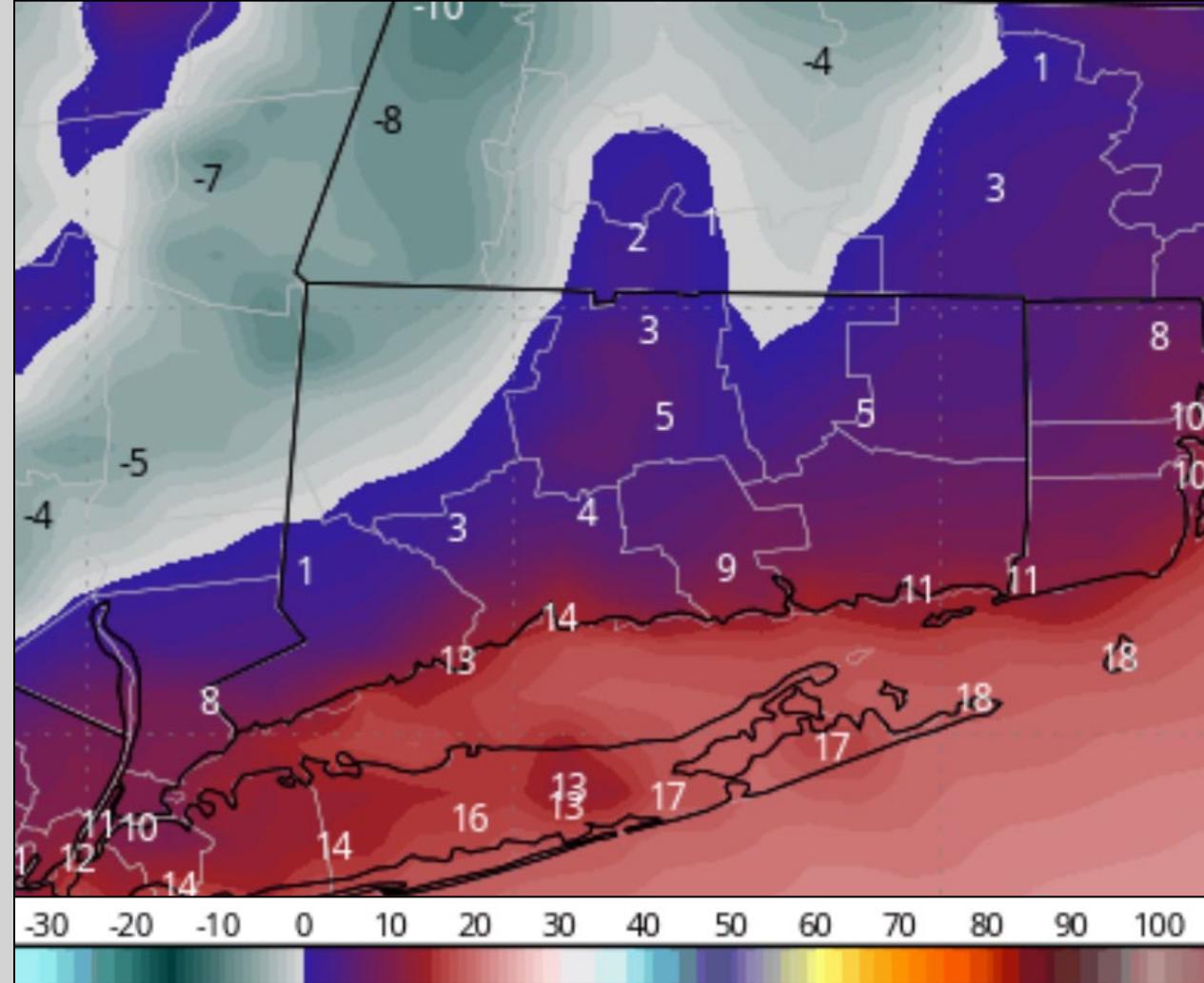
Where, T= Air Temperature (°F) V= Wind Speed (mph)

Effective 11/01/01



TEMPERATURE FORECAST WEDNESDAY NIGHT...

The coldest nights of the arctic outbreak are expected Monday, Tuesday and Wednesday nights with lows ranging from around +10 F at the coast down to near -5 F in the northwest hills.

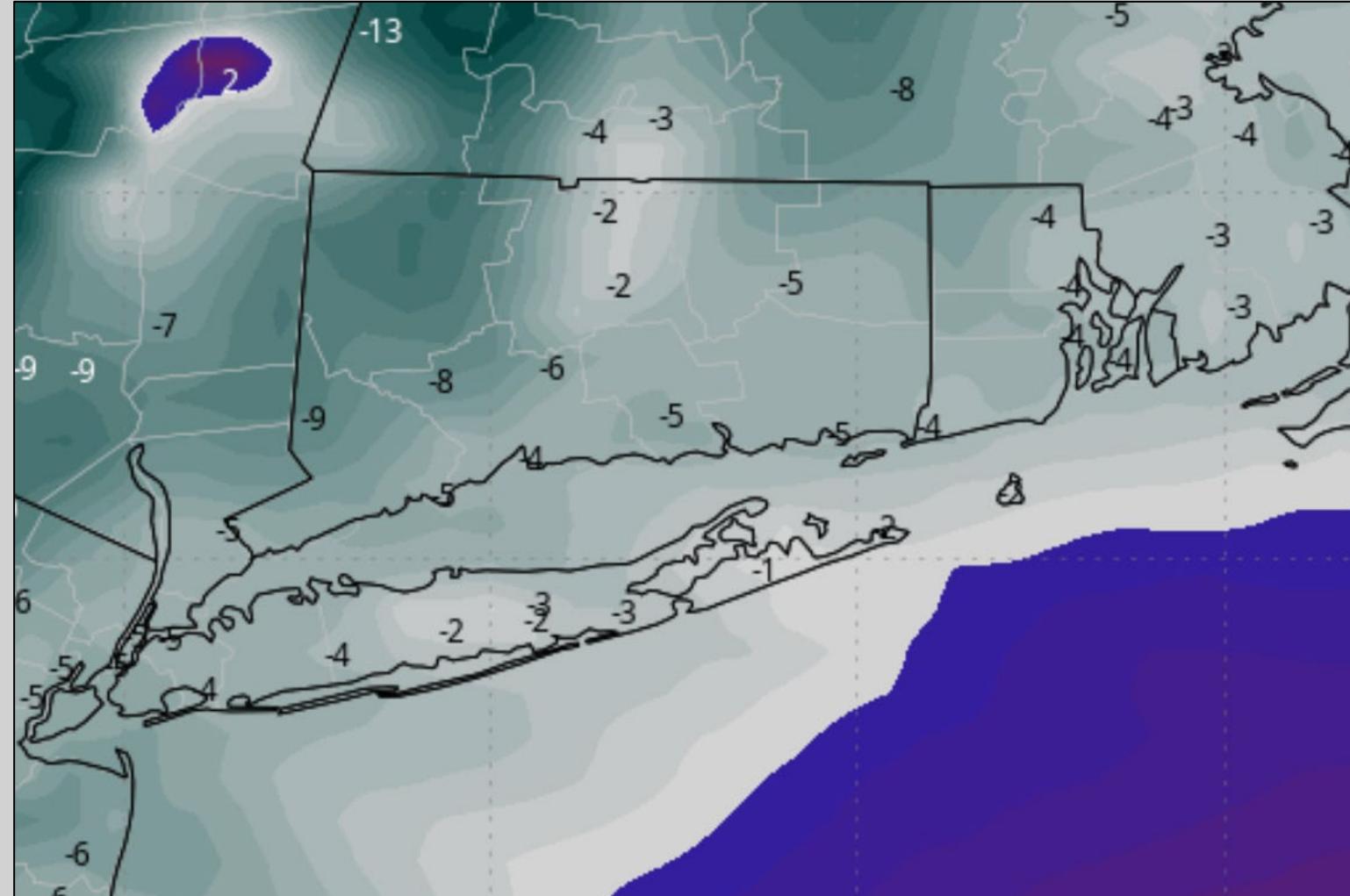




WIND CHILL FORECAST MONDAY NIGHT...

Wind chills are forecast to range from around -5 F at the coast down to -15 F in the northwest hills.

Forecast confidence is good, however, additional changes to the forecast are still likely as we get closer to the event.



Only Update...



This will be the only update on these winter events unless the forecast changes significantly.

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