



# Winter Weather Briefing

February 13, 2024  
2:55 AM

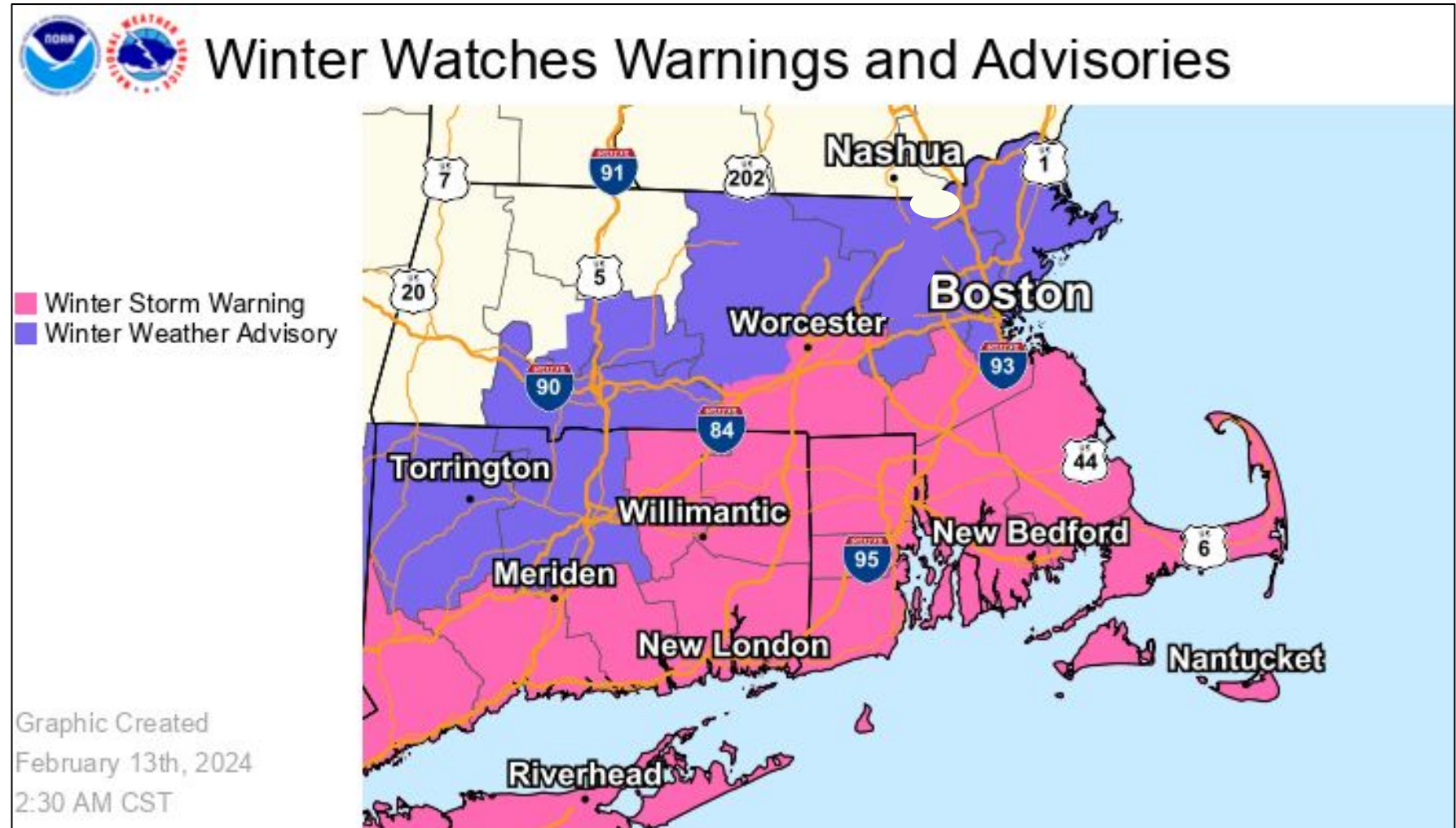
For Southern New England

## Decision Support Briefing #5

→ As of 4:30 AM Tuesday, February 13, 2024

### **NEW** Important Updates





- Axis of heaviest snow shifted south and decreased expected snowfall across most of the region.
- Winter Storm Warnings have been converted to Winter Storm Advisories for Hartford County, Litchfield County in Connecticut, southern Middlesex County, and Suffolk County in Massachusetts.
- Winter Weather Advisory dropped for southern Berkshire County, western Hampshire County, and Franklin County in Massachusetts.





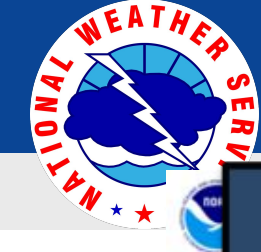
# Main Points

February 13, 2024  
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Hazard	Impacts	Location	Timing
<b>Snow</b> 	Heavy wet snow south of I-90 will present hazardous travel conditions with the potential for power outages	Areas mainly south of I-90 with greatest snowfall totals across Rhode Island and southeast Massachusetts	Beginning early this morning and ending early this evening
<b>Coastal Flooding</b> 	Minor to moderate flooding likely on coastal roads	Eastern MA coastal areas	Tuesday afternoon & Wednesday morning High Tides
<b>Damaging Wind</b> 	Potential for power outages	Cape Cod, Martha's Vineyard and Nantucket	Today Peak Winds between 1-7 PM
<b>Marine</b> 	Dangerous marine conditions	All waters	Today through tonight







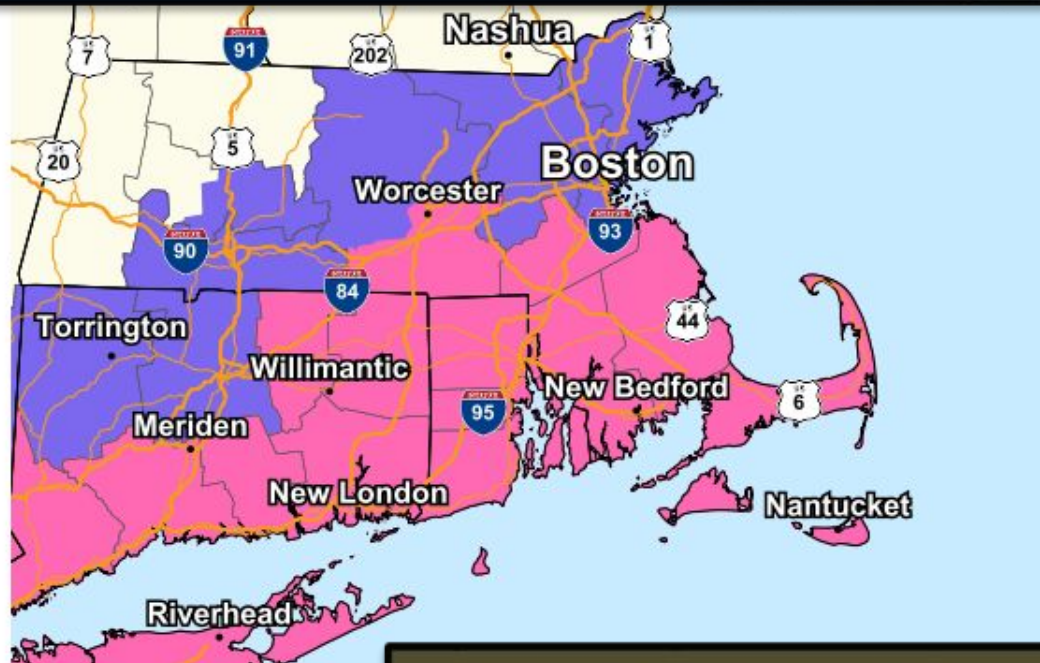
# Active Headlines

February 13, 2024  
2:55 AM

## Winter Weather Hazards

## Marine / Coastal Hazards

- Winter Storm Warning
- Winter Weather Advisory



Graphic Created  
February 13th, 2024  
2:30 AM CST

- Storm Warning
- Coastal Flood Warning
- Gale Warning
- Coastal Flood Advisory
- Small Craft Advisory



Graphic Created  
February 13th, 2024  
3:43 AM EST

## Wind Related Hazards

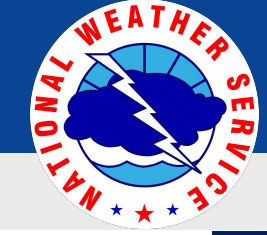
- High Wind Warning



Graphic Created  
February 13th, 2024  
3:44 AM EST

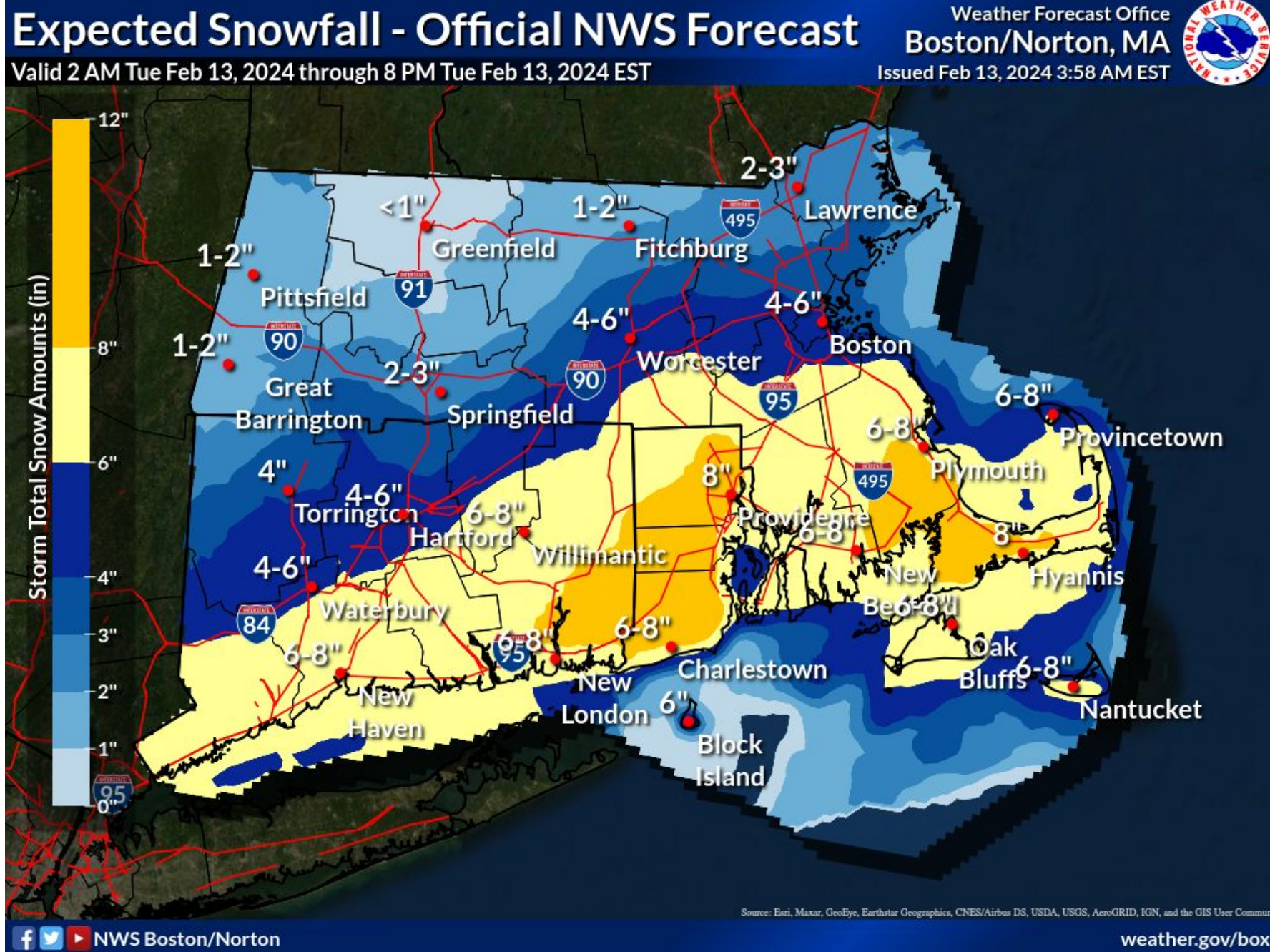






# Forecast Storm Total Snowfall

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- Substantial **forecast uncertainty** north of the I-90 corridor as well as on the Islands
- Continued southward shift in the core of the heaviest snow band
  - Additional forecast changes possible this morning as more information becomes available
- Snowfall rates in excess of 1-2" per hour are still possible but are likely isolated to SE MA and RI

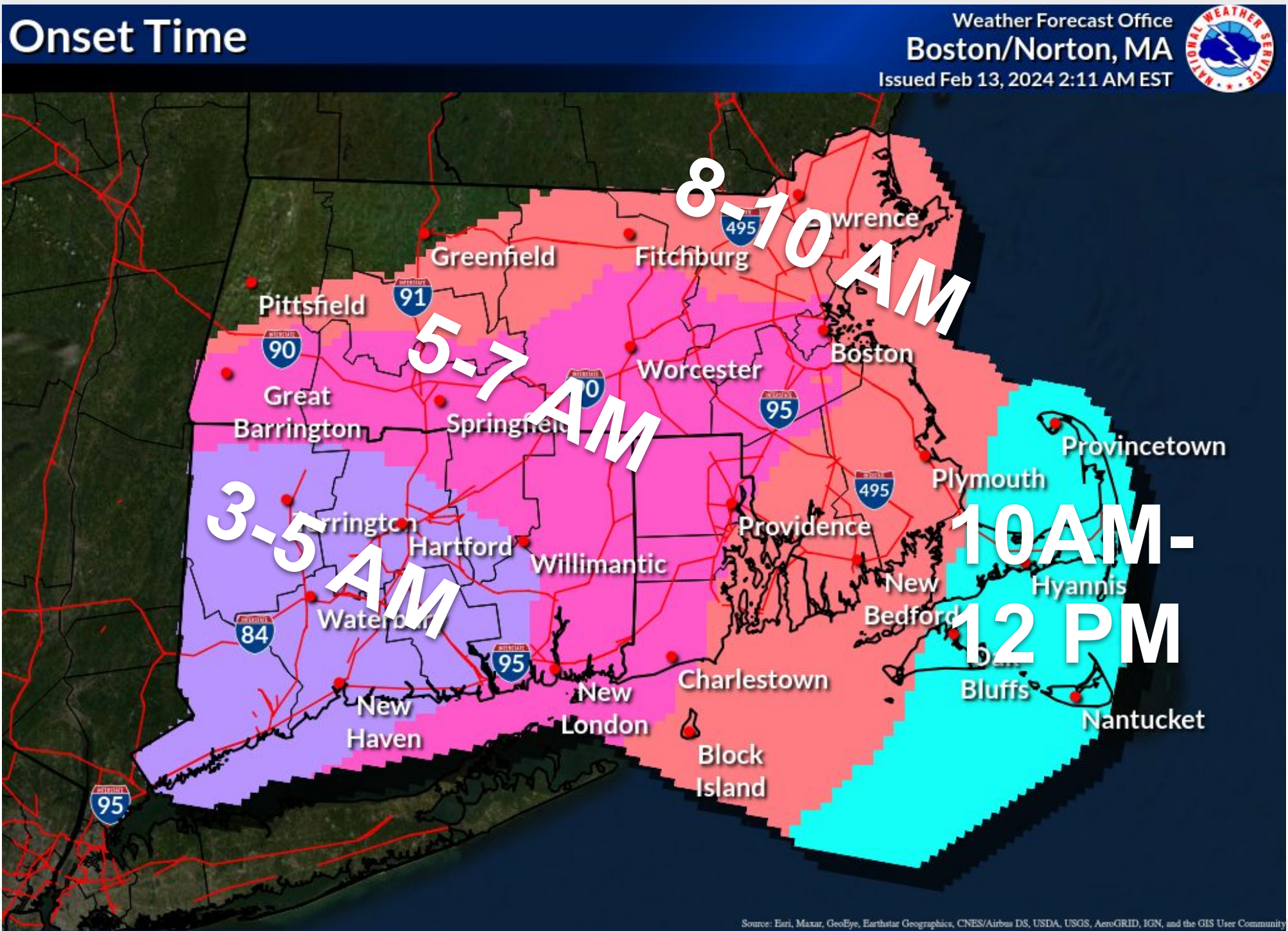






# Onset Timing

February 13, 2024  
2:55 AM

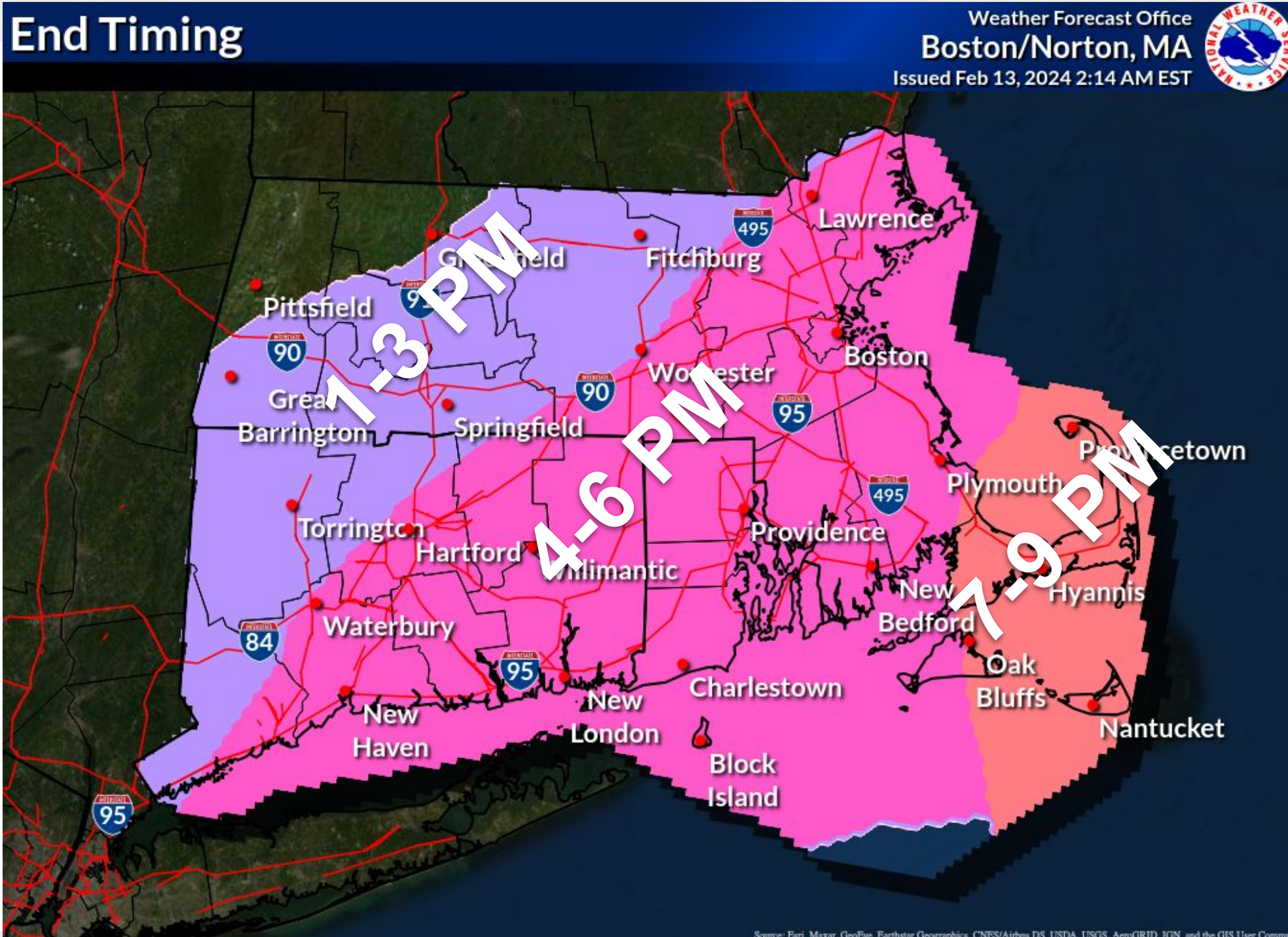






# End Timing

February 13, 2024  
2:55 AM



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



National Oceanic and Atmospheric Administration  
U.S. Department of Commerce

NWS Boston/Norton

[weather.gov/box](https://weather.gov/box)

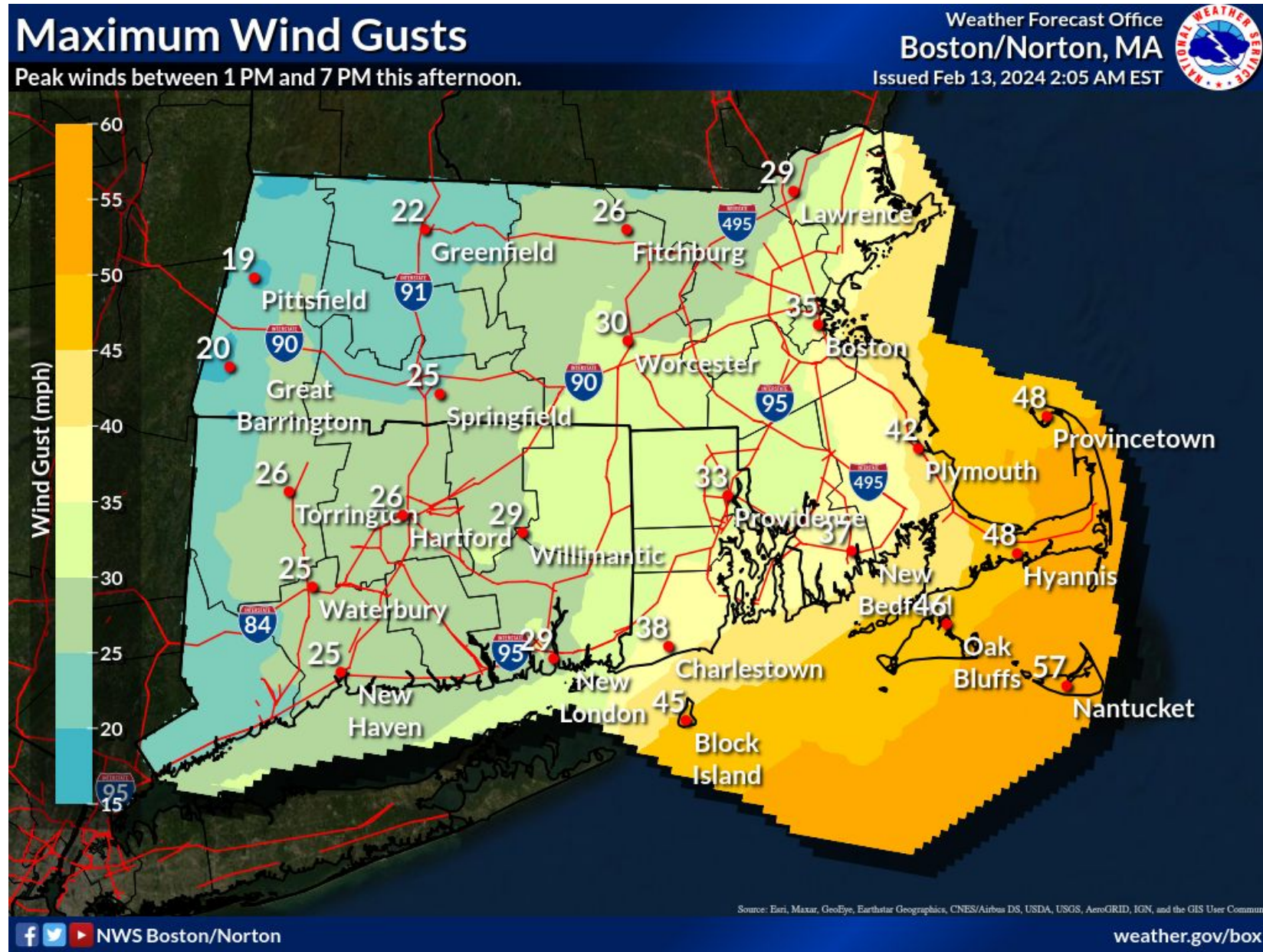
National Weather Service  
Boston / Norton, MA





# Max Wind Gusts

February 13, 2024  
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- Peak wind gusts are expected to occur today between 1 PM and 7 PM
- Maximum gusts may surpass 50 mph across the Cape and Martha's Vineyard and 55 mph across Nantucket





# Timeline

February 13, 2024  
2:55 AM

	2/13 Tue						2/14 Wed 12am
	6am	9am	12pm	3pm	6pm	9pm	
Block Island							
Boston							
Brockton							
Gloucester							
Greenfield							
Hartford							
Hyannis							
Lowell							
Nantucket							
New Bedford							
Providence							
Provincetown							
Springfield							
Vineyard Haven							
Worcester							

Created: 2 am EST Tue 2/13/2024. Shows most impactful weather for the period beginning at the time shown. Weather symbols display where Probability of Precipitation  $\geq$  0%.

- Rain +
- Wintry Mix +
- Snow +







# Coastal Flood Forecast

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2:55 AM

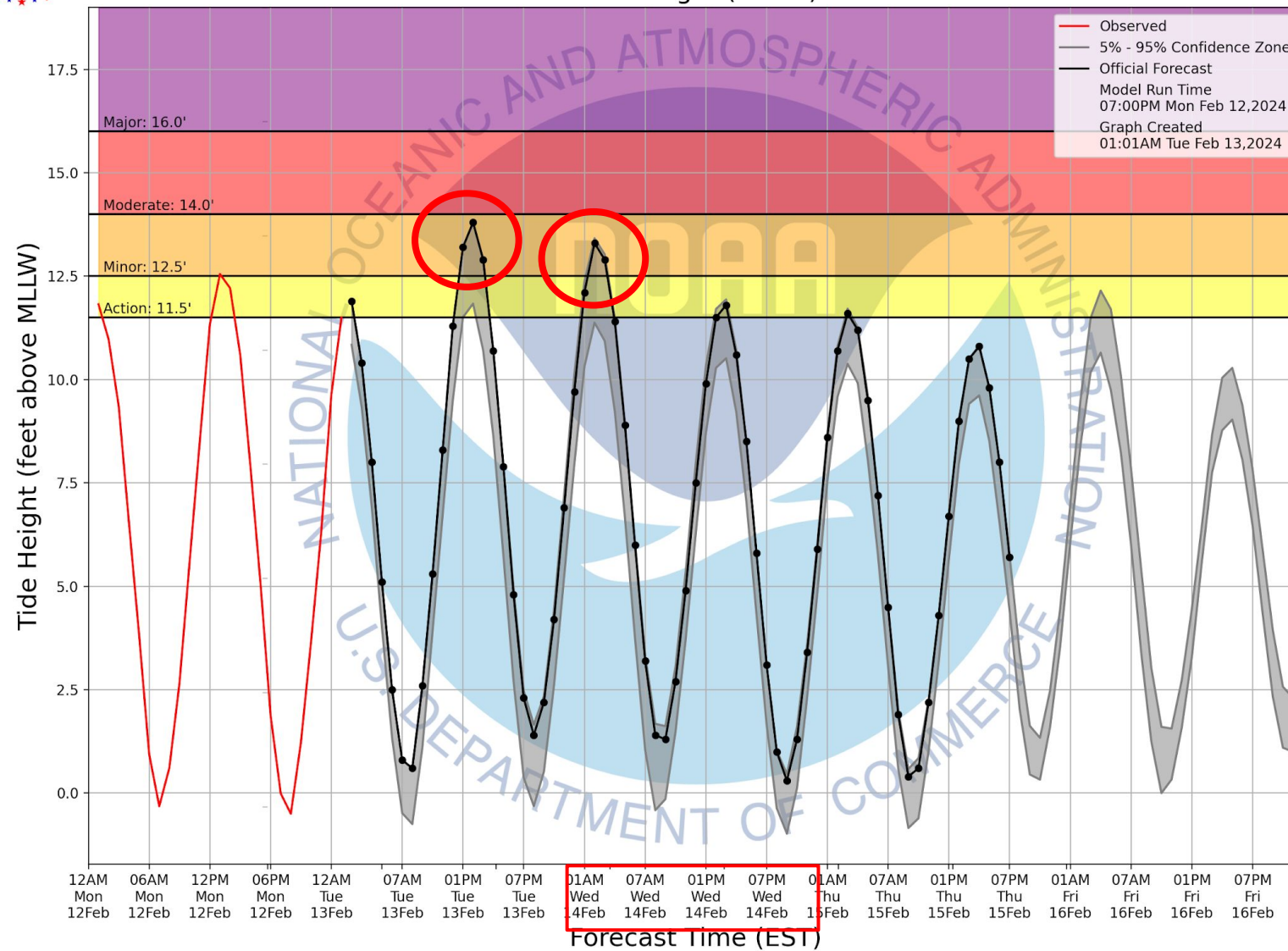


Boston Harbor at Boston, MA  
Tide Height (MLLW)



Minor to moderate coastal flooding anticipated across the eastern Massachusetts coastline.

High tide of greatest concern is **this afternoon** high tide, but there could still be lingering issues for the Wednesday morning high tide.



- The eastern Massachusetts coast is particularly vulnerable given the coastal flooding impacts we've seen so far this winter.
- Storm surge of 2.5 to 3.5 feet anticipated.



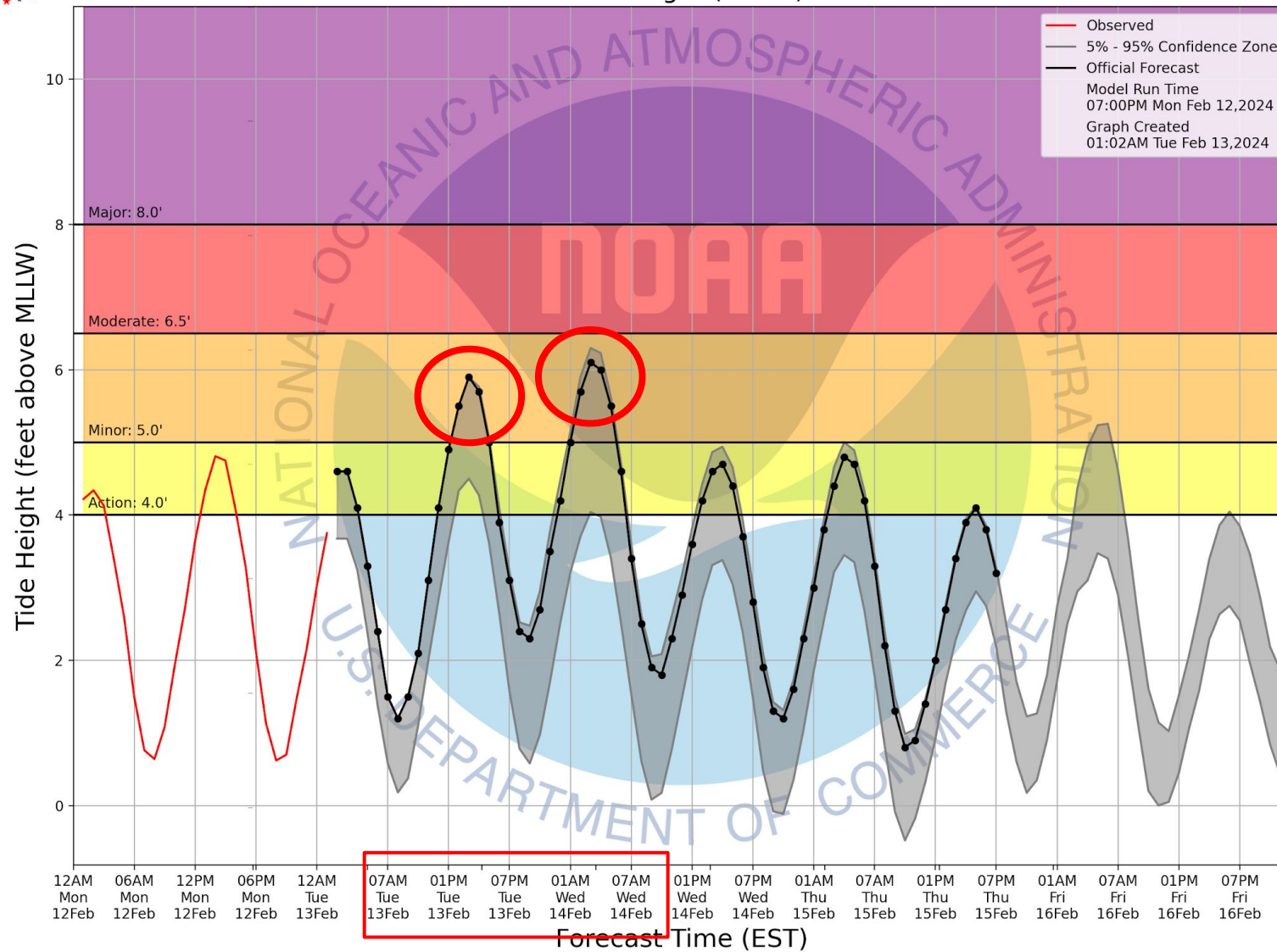


# Coastal Flood Forecast

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2:55 AM



Nantucket Harbor at Nantucket, MA  
Tide Height (MLLW)



- Minor coastal flooding is likely on Nantucket this afternoon and Wednesday morning during high tide.







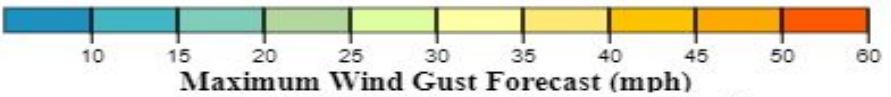
# Post Event Outlook

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## Gusty Winds Continue Wednesday & Thursday

### Maximum Wind Gust Forecast (mph)

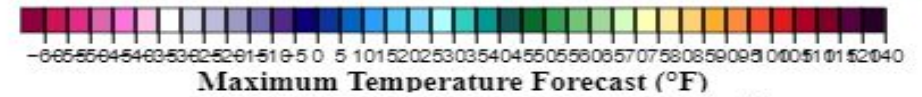
	2/14 Wed				2/15 Thu				Maximum
	12am	6am	12pm	6pm	12am	6am	12pm	6pm	
Block Island	26	30	31	30	28	26	23	29	31
Boston	18	24	31	29	22	21	20	17	31
Brockton	16	24	29	25	18	21	20	16	29
Gloucester	24	29	35	36	32	30	23	21	36
Greenfield	16	26	30	28	23	16	15	20	30
Hartford	15	25	29	24	17	15	15	21	29
Hyannis	26	25	31	30	28	31	24	21	31
Lowell	15	26	30	28	23	21	20	15	30
Nantucket	29	29	30	31	29	32	25	25	32
New Bedford	18	24	25	24	21	24	21	21	25
Providence	15	23	25	22	16	17	18	17	25
Provincetown	31	33	38	40	37	36	28	21	40
Springfield	14	25	29	25	21	15	14	18	29
Vineyard Haven	24	25	28	26	25	28	23	24	28
Worcester	17	26	30	28	24	18	18	18	30



Created: 2 am EST Tue 2/13/2024 | Values are maximums over the period beginning at the time shown.

### Maximum Temperature Forecast (°F)

	2/14 Wed				2/15 Thu				Maximum
	12am	6am	12pm	6pm	12am	6am	12pm	6pm	
Block Island	33	33	34	32	27	32	34	37	37
Boston	26	32	32	28	24	31	36	33	36
Brockton	25	31	32	28	20	31	36	32	36
Gloucester	27	32	32	27	24	31	36	33	36
Greenfield	24	29	29	27	20	31	37	33	37
Hartford	26	32	32	28	22	32	36	34	36
Hyannis	29	33	33	29	24	31	34	32	34
Lowell	25	32	32	27	20	31	36	32	36
Nantucket	32	35	35	32	26	32	34	34	35
New Bedford	26	33	34	29	21	32	35	31	35
Providence	25	32	32	28	21	32	36	32	36
Provincetown	32	33	33	31	26	32	34	33	34
Springfield	24	32	32	28	21	32	36	33	36
Vineyard Haven	29	33	34	31	24	33	35	34	35
Worcester	24	29	29	26	20	29	35	31	35



Created: 2 am EST Tue 2/13/2024 | Values are maximums over the period beginning at the time shown.





# Contact and Next Briefing Information

February 13, 2024  
2:55 AM

For NWS Boston/North County Warning Area



## Briefing Webpage

→ <https://www.weather.gov/box/emhome>



## Next Briefing

Last briefing anticipated for this event.

## Disclaimer



Information contained in this briefing is time-sensitive  
Do Not Use After: 4 PM, Tuesday February 13th



## Contact Information

### Web

→ [weather.gov/box](https://www.weather.gov/box)

### Phone

→ (508) 622-3250

### Email

→ [box.operations@noaa.gov](mailto:box.operations@noaa.gov)

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