



# Potential Winter Storm Friday Night Into Saturday Night

National Weather Service  
Decision Support Briefing # 2  
Wednesday, January 26, 2022 3:22 AM

## Winter Weather Related Hazards



### What Has Changed?

- ✓ Increased confidence in an impactful storm

# Main Points

Hazard	Impacts	Location	Timing
<b>Damaging Winds</b> 	Possible power outages	Greatest risk across eastern MA and RI	Friday night into Saturday
<b>Coastal Flooding</b> 	Minor coastal flooding. Localized moderate coastal flooding possible	Greatest risk is along the eastern MA coast, and north-facing shores, like Nantucket Harbor.	Saturday
<b>Heavy Snow</b> 	Visibility possibly lowering to less than a quarter mile at times	Greatest risk across eastern MA into RI and portions of eastern CT	Friday night into Saturday night
<b>Marine</b> 	Rough seas, with winds up to Storm Force possible	All areas, but greatest risk across the eastern offshore waters	Friday night into Saturday

# Summary of Greatest Impacts



**Winds: All areas with greatest risk RI & southeast MA**

None	Limited	Elevated	Significant	Extreme
------	---------	----------	-------------	---------



**Coastal Flooding: Most likely along the east coast of MA**

None	Limited	Elevated	Significant	Extreme
------	---------	----------	-------------	---------



**Snow: All areas with greatest risk eastern MA and RI**

None	Limited	Elevated	Significant	Extreme
------	---------	----------	-------------	---------



## Potential Winter Storm: late Friday Night – Saturday night

***High confidence in a coastal storm near southern New England***

***Lower confidence in the exact track***

Does it track near the coast or farther offshore?

***Potential impacts:***

Heavy snow, blowing and drifting

Minor to moderate coastal flooding

Strong northeast winds to 50 MPH - perhaps 60+ MPH near Cape Cod

Possible power outages

Dangerous conditions for mariners - seas 25-30 feet offshore

# Potential Winter Storm: Late Friday Night – Saturday night

*High confidence in a coastal storm, lower confidence in exact track*

**Track Closer to Coast:**

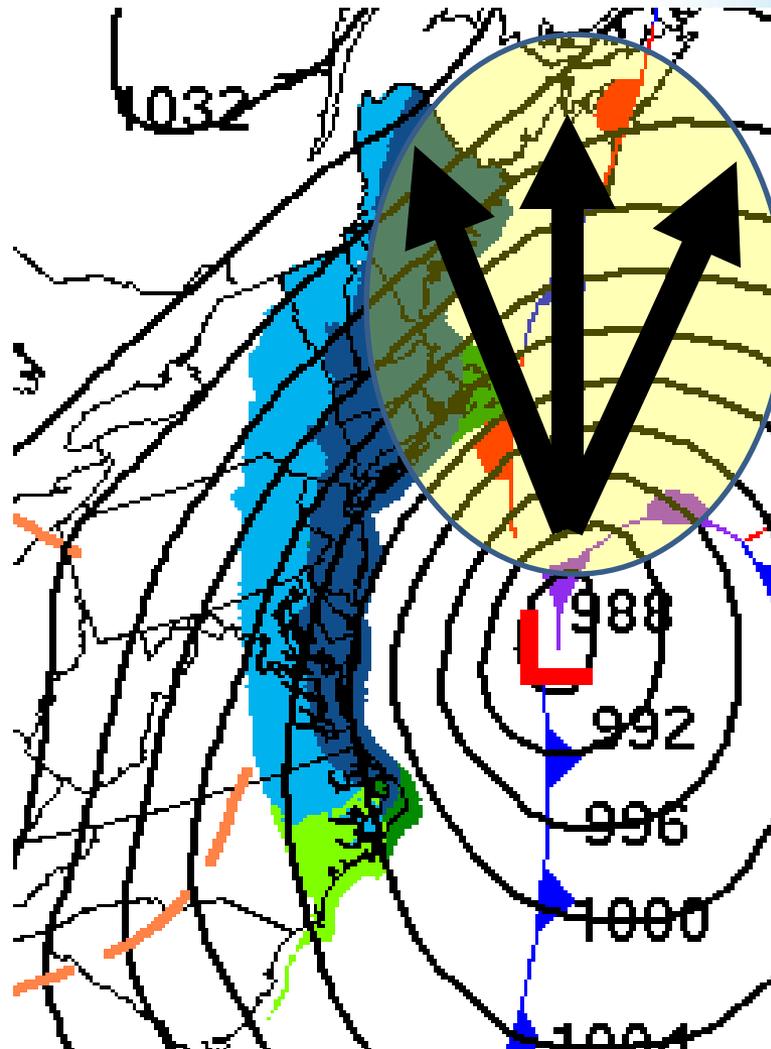
Heaviest snow inland, rain/snow issues near coast

**Offshore Track:**

Heaviest snow near coast, less snow inland

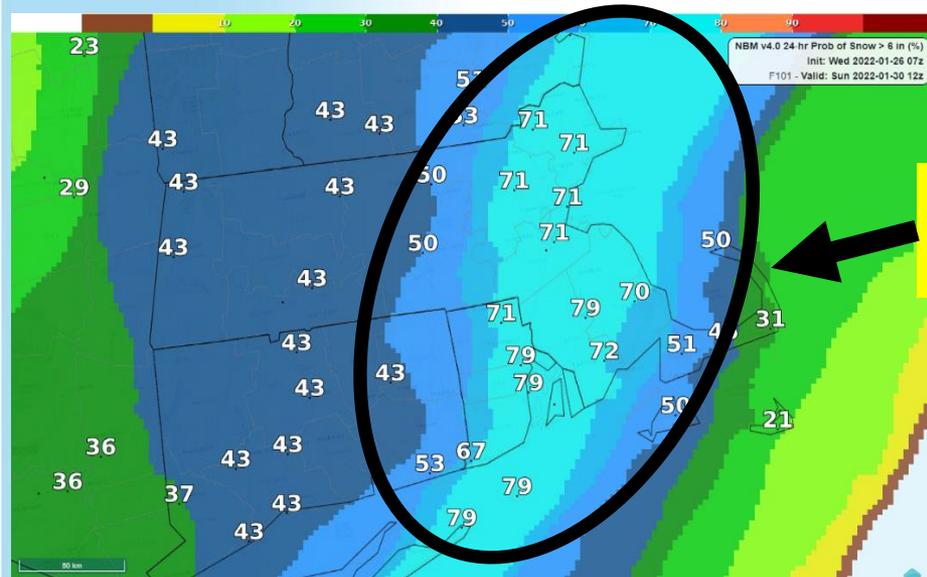
**Timing:**

Late Friday night – Saturday night

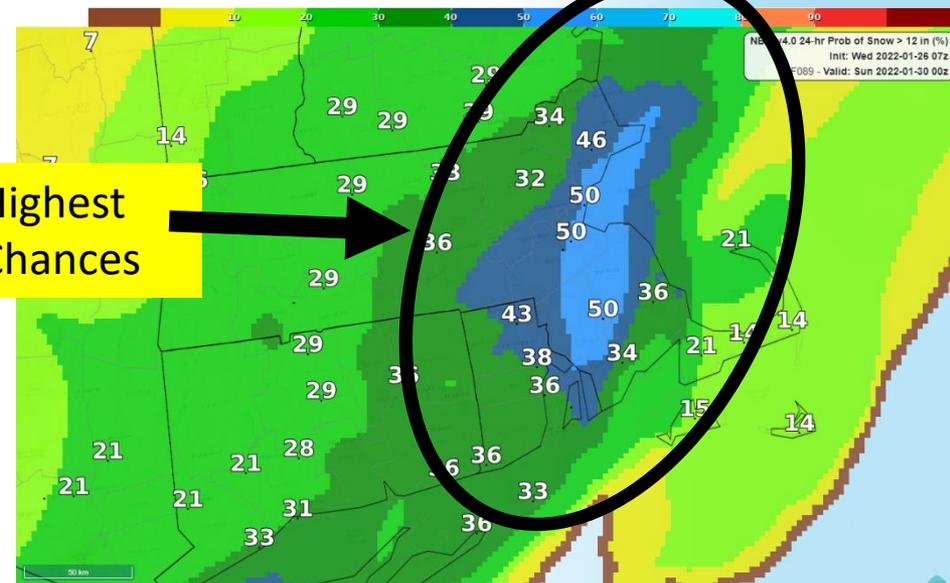


7 AM Saturday  
Weather Map

# Potential Winter Storm: Late Friday Night – Saturday night



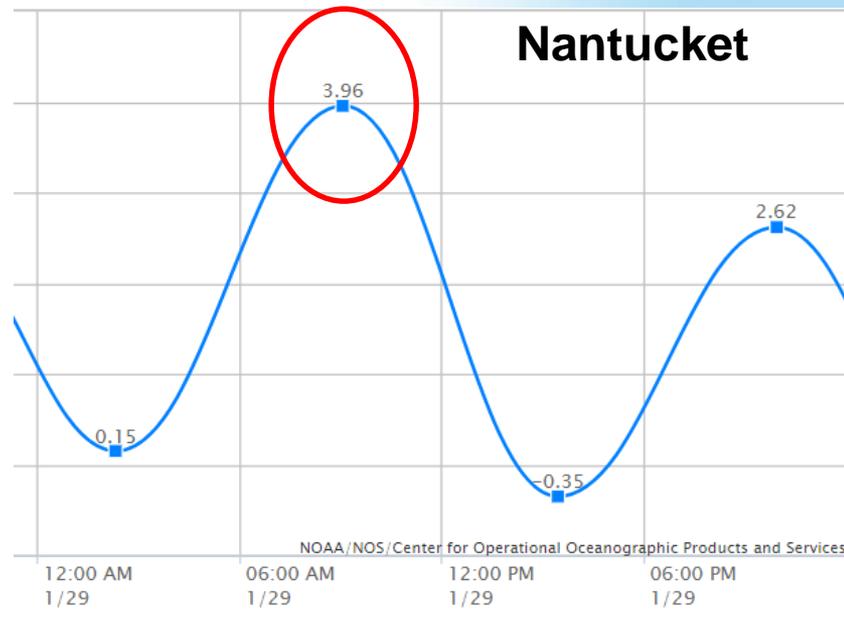
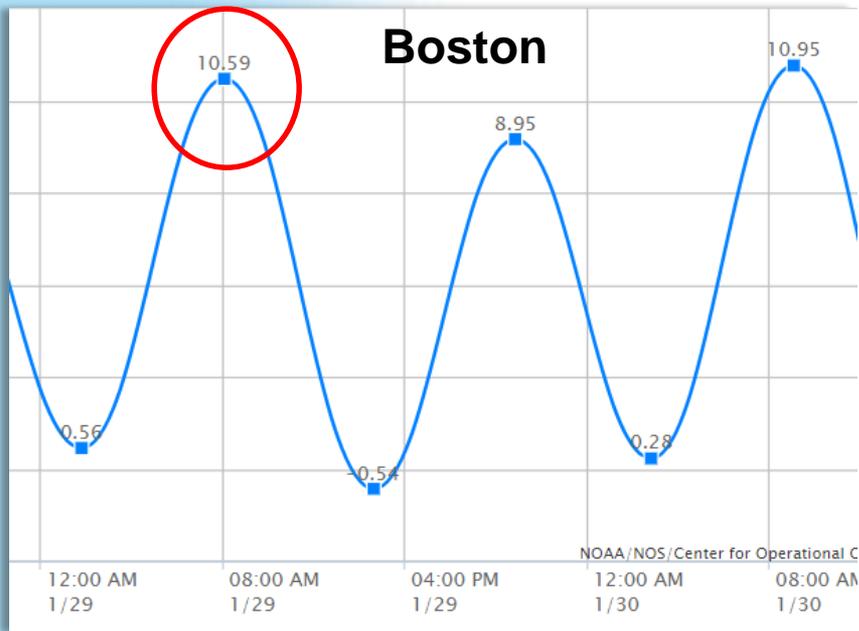
Chance of 6" or more of snow



Chance of 12" or more of snow

Timing: Late Friday night into Saturday night

# Minor to Moderate Coastal Flooding Sat AM: Eastern MA Coast



- Vulnerable shore roads temporarily impassable around high tide
- Less than 1 foot of inundation (above ground level)
- Minor beach erosion

**Saturday AM high tide:**

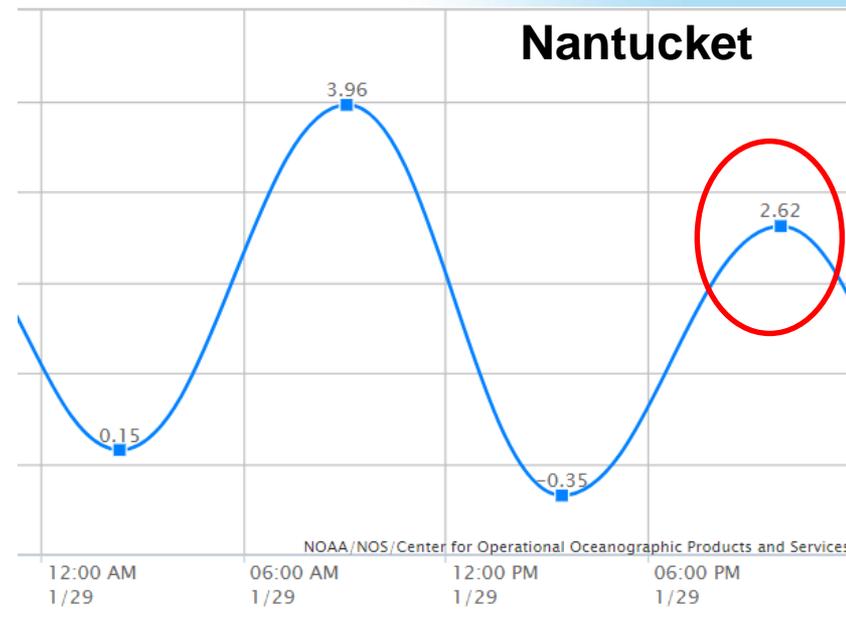
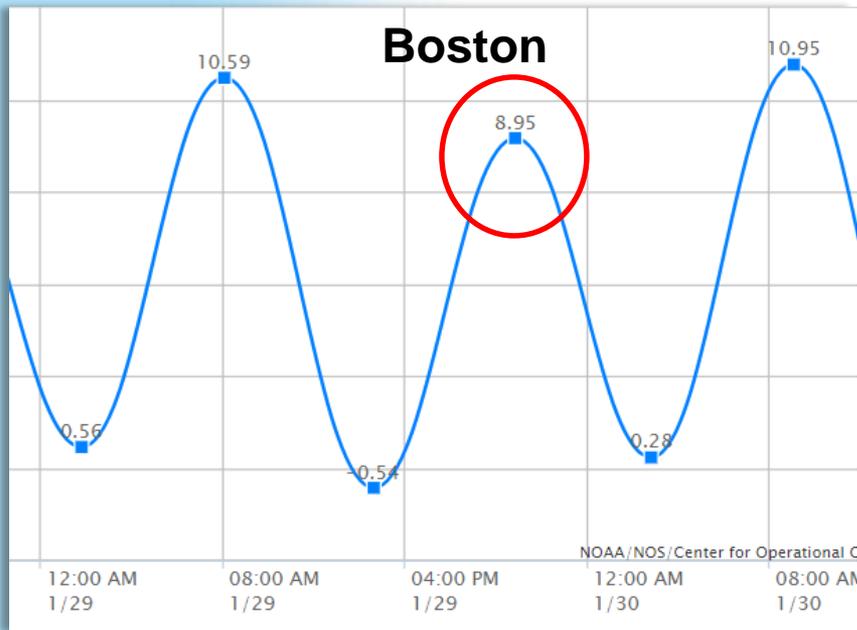
**Minor Flooding Possible**

Surge: 1-2 ft

Seas: 20 ft

Wind: NE 20-30 with gusts to 40 mph

# Minor to Moderate Coastal Flooding Sat PM: Eastern MA Coast



- Vulnerable shore roads impassable around high tide, some debris on roads
- 1 to 2 feet of inundation possible
- Significant beach erosion
- Residual minor flooding/splashover Sunday morning (Cape Cod Bay)

## Saturday PM high tide:

**Minor-Moderate Flooding Possible**

Surge: 2-3 ft

Seas: 25-30 ft

Wind: NE 30-40 with gusts to 50-60 mph

# Concerns for Mariners

## Wind:

- Increasing NE winds late Friday night/Saturday
- Reach Gale force Saturday morning
- Peak 50-55 kt Saturday afternoon/night
- Shift to NW Saturday afternoon then fall below Gale early Sunday morning

## Seas:

- Build steadily Saturday
- Peak 25-30 ft offshore Saturday afternoon/night, 5-10 ft on bays and sounds
- Lowest visibility in rain/snow Saturday

***Localized rogue waves offshore could exceed 40 feet***



# Threat Event Summary

✓ **Confidence**: high confidence a storm will develop, low confidence on precise track

✓  Strong northeast winds to 50 MPH - maybe 60+ MPH? (Saturday)



Minor to moderate coastal flooding (especially Saturday evening)



Heavy snow (Late Friday night-Saturday night)



Dangerous conditions for mariners - seas 25-30 feet offshore (Saturday)

✓ **Where:** All of Southern New England (MA, RI & CT)

✓ **When:** Late Friday night into Saturday night

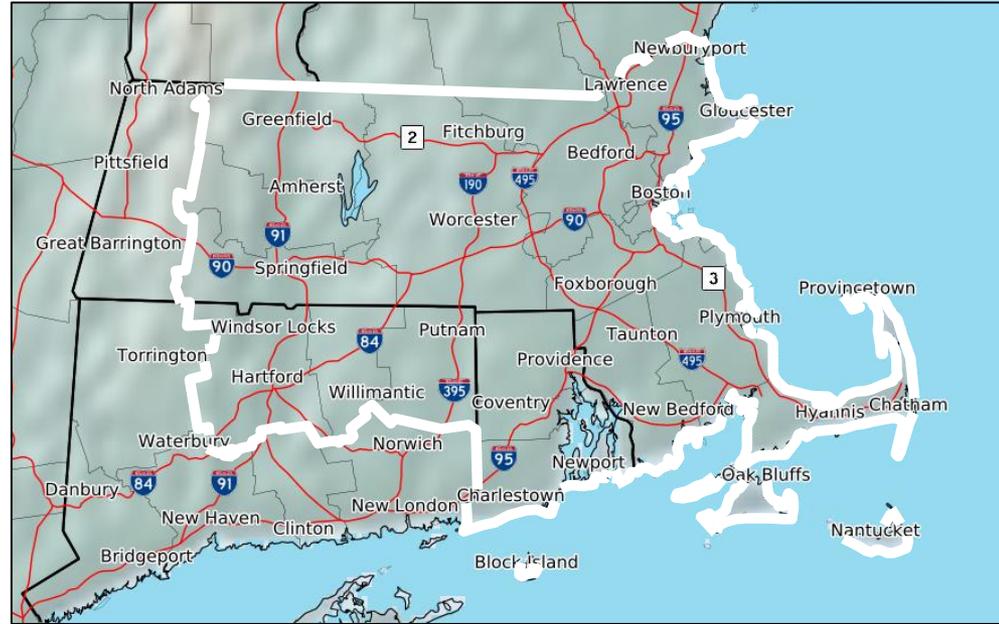


# Contact and Next Briefing Information

## Next Briefing

**When:** 6 PM, Wednesday, January 26<sup>th</sup>

**Method:** via email



[www.weather.gov/boston](http://www.weather.gov/boston)



Phone (public):  
508-622-3250



Facebook:  
[www.facebook.com/NWSBoston](http://www.facebook.com/NWSBoston)



Twitter:  
[www.twitter.com/NWSBoston](http://www.twitter.com/NWSBoston)

**Disclaimer:** The information contained within this briefing is time-sensitive, do not use after 6 PM, Wednesday, January 26, 2022