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## Short Range Public Discussion

(Latest Discussion - Issued 0827Z Jan 29, 2022)

### Version Selection

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Versions back from latest: 0 1 2 3 4 5 6 7 8 9 10

[Abbreviations and acronyms used in this product](#)

Geographic Boundaries - Map 1: [Color](#) [Black/White](#) Map 2: [Color](#) [Black/White](#)

Short Range Forecast Discussion

NWS Weather Prediction Center College Park MD

327 AM EST Sat Jan 29 2022

Valid 12Z Sat Jan 29 2022 - 12Z Mon Jan 31 2022

...Powerful winter storm to produce significant impacts across parts of New England and coastal Mid-Atlantic/Northeast on Saturday...

...Below-average temperatures will expand across the eastern third of the country this weekend before moderating next week; Great Plains and Mississippi Valley warm up into next week...

...New system to bring rain and heavy snow to the Pacific Northwest and Northern Rockies beginning Sunday...

An area of low pressure, currently off the Carolina coast, will rapidly intensify today as it makes its way up the eastern seaboard. Heavy snow and powerful winds will spread from the Mid-Atlantic coast to the Northeast coast throughout the day. The combination of heavy snow rates and strong winds will produce dangerous blizzard conditions across portions of the Mid-Atlantic and New England coasts, from Virginia's Eastern Shore to eastern Maine, where Blizzard Warnings are in effect. Travel in these areas will be nearly impossible today due to whiteout conditions. Total snowfall accumulations greater than 12" are expected along much of the Northeast coast with local maxima greater than 24" across eastern Massachusetts including the Boston metro area. Winter Storm Watches and Warnings are also in effect from the coasts farther inland where accumulating snowfall is also likely. Strong damaging winds will lead to scattered power outages. Very cold temperatures will spread across the eastern third of the country on the backside of the departing Nor'easter. This may exacerbate an already dangerous situation for those without power/heat. The snow and wind will come to an end across northern Maine on Sunday.

Elsewhere, Freeze Watches and Warnings are in effect for much of the Florida Peninsula for tonight. Much of the state will remain mostly clear and frigid tonight with the chance for scattered to isolated falling iguanas from trees due to subfreezing temperatures that may temporarily paralyze them. The Great Plains and Mississippi Valley will warm up through the beginning of the work week. Upstream from the Nor'easter, an upper-level impulse will generate windy surface conditions across the Central Plains today. That paired with relatively dry air will lead to an elevated Fire Weather threat. An emerging low pressure system will bring rain and heavy snow to the Pacific Northwest and Northern Rockies on Sunday and continuing across the Northern Rockies into Monday. A closed upper-low may generate scattered showers and thunderstorms across southern Texas and the western Gulf coast Sunday night into Monday.

Kebede

Graphics are available at  
[https://www.wpc.ncep.noaa.gov/basicwx/basicwx\\_ndfd.php](https://www.wpc.ncep.noaa.gov/basicwx/basicwx_ndfd.php)