

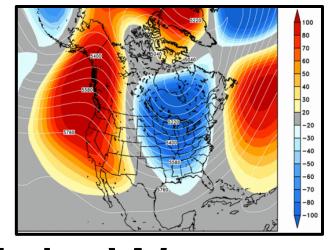
International training project sponsored by EUMETSAT to support and increase the use of meteorological satellite data

High Impact Weather - Event Week 2014

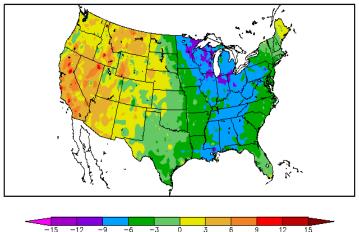


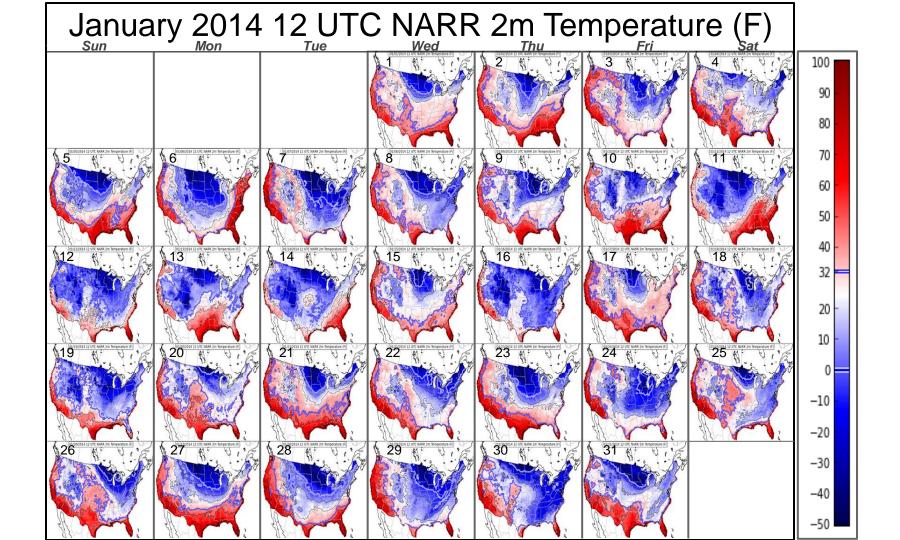
Greg Carbin, NOAA / Storm Prediction Center

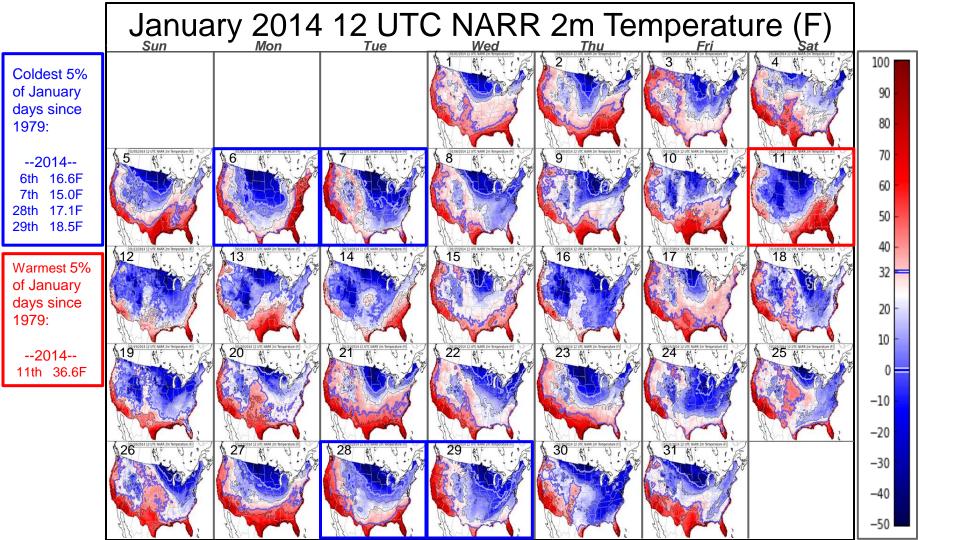
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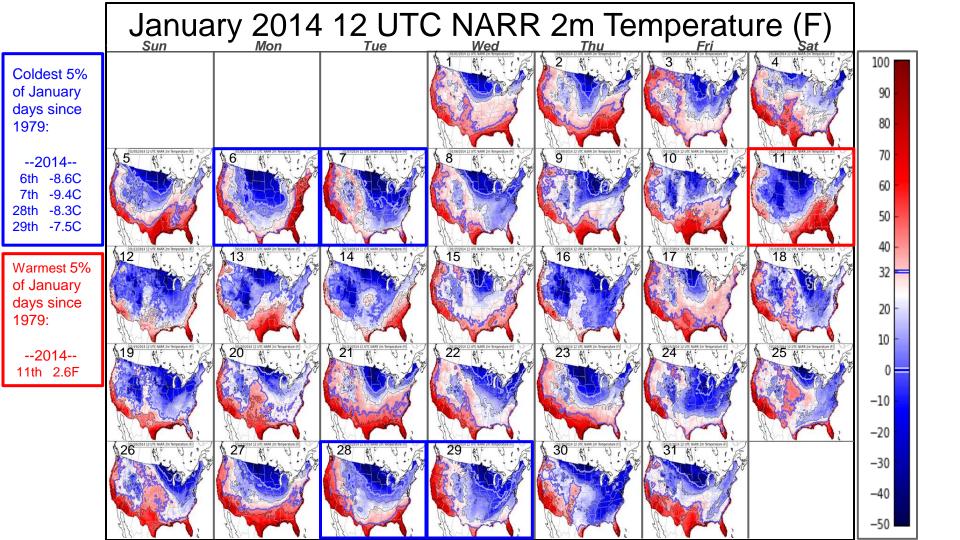


January Cold and Dixie Woes









2m Temperature Extremes by Year (1979-2014) Warmest 5% of days Coldest 5% of days .993

Distribution of January 12 UTC NARR CONUS

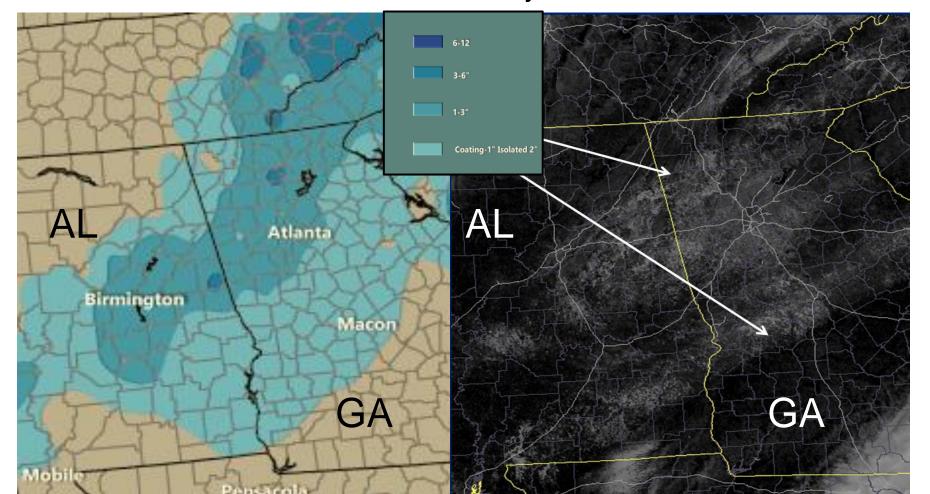
Distribution of January 12 UTC NARR CONUS 2m Temperature Extremes by Year (1979-2014) Warmest 5% of days 18y from 1979-1996 Coldest 5% of days .993

Distribution of January 12 UTC NARR CONUS 2m Temperature Extremes by Year (1979-2014) 20 days in warmest 5% Warmest 5% of days 18y from 1979-1996 38 days in coldest 5% Coldest 5% of days .993

2m Temperature Extremes by Year (1979-2014) 20 days in warmest 5% days in warmest 5% Warmest 5% of days 18y from 1979-1996 18y from 1997-2014 38 days in coldest 5% 18 days in coldest 5% Coldest -105% of days

Distribution of January 12 UTC NARR CONUS

Southern U.S. Snowfall from January 27-29, 2014 Winter Storm



January 2014 Statewide Ranks National Climatic Data Center/NESDIS/NOAA 65 105 95 69 37 33 19 34 103 98 71 113 89 83 61 20 45 116 79 **Temperature** 1 = Coldest 120 = Warmest Much Below Normal Much Above Normal Record Coldest Below Above Record Normal Normal Normal Warmest





January 2014 Statewide Ranks National Climatic Data Center/NESDIS/NOAA



January 2014 in Summary –

Midwest & Southeast Feel Brunt of Coldest Jan. in Many Years

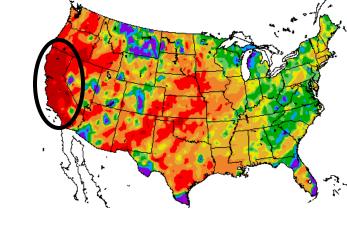
Thousands Stranded by Winter Storm in the South, 27th-29th

Fewer Jan. Mornings with Extreme Cold Recent ~2 Decades

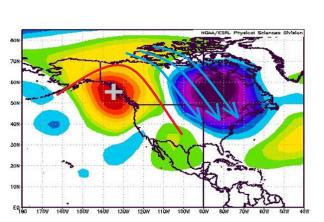






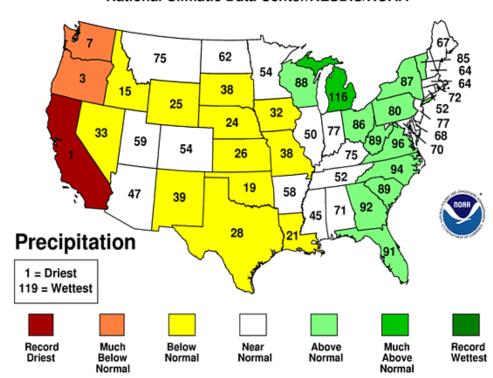


California's Drought Nightmare

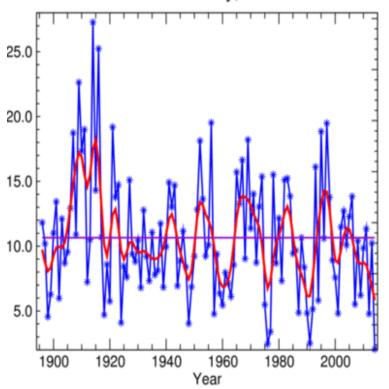


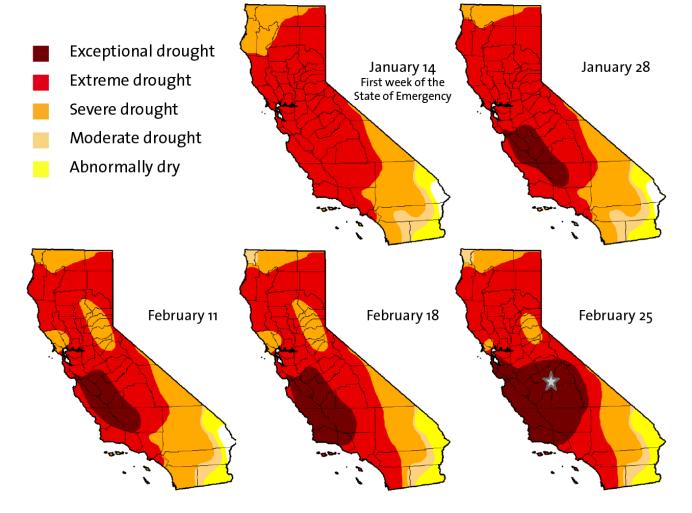
Nov 2013-Jan 2014 Statewide Ranks

National Climatic Data Center/NESDIS/NOAA

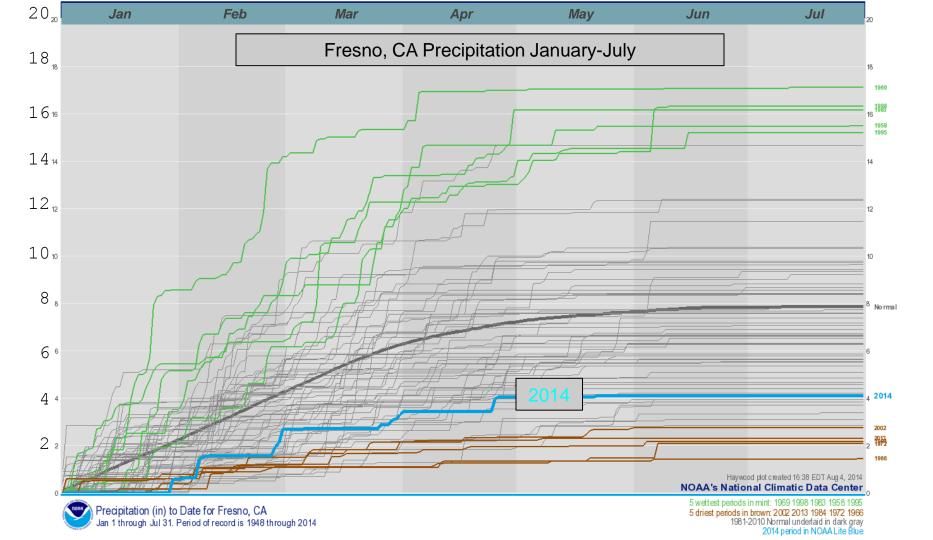


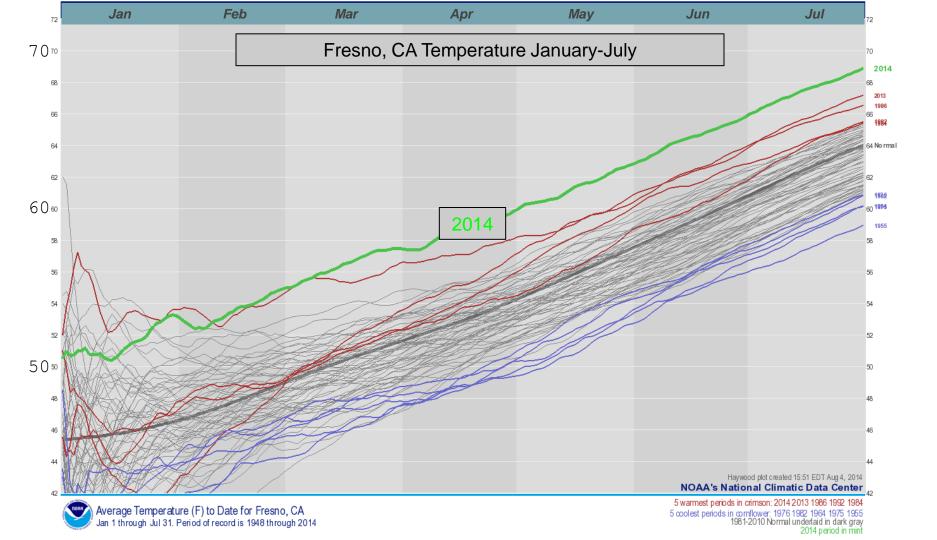
California Statewide Precipitation November - January, 1895 - 2014

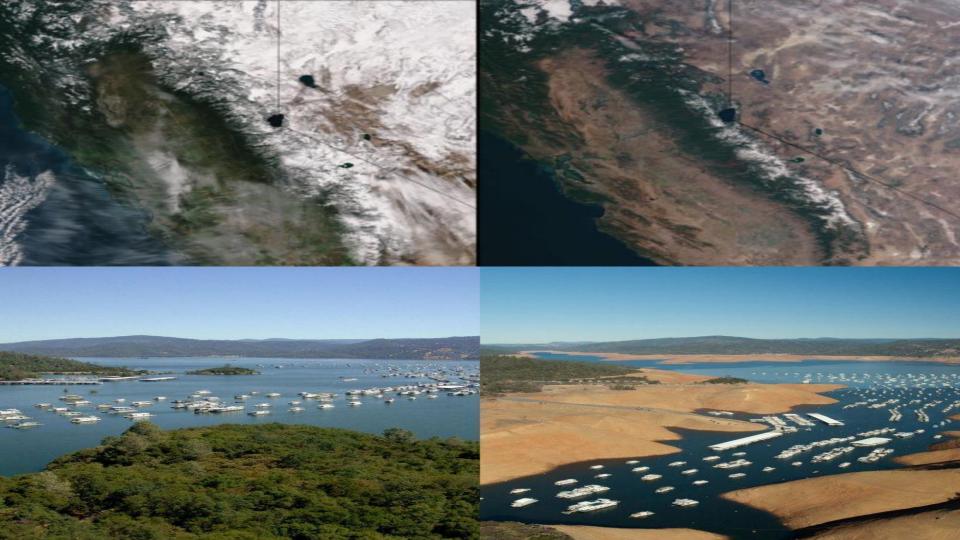




Source: US Drought Monitor. The Drought Monitor is a project of the US Department of Agriculture and the National Drought Mitigation Center at the University of Nebraska-Lincoln.







- California Drought In Summary -

Feb. 2013 - Jan. 2014: Driest 12-months on Record

More of CA in Extreme Drought than Ever (80% by late July)

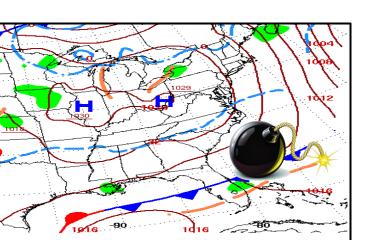
At Least \$1 Billion in Agricultural Losses

Hydroelectric Power Generation ~50% of Average

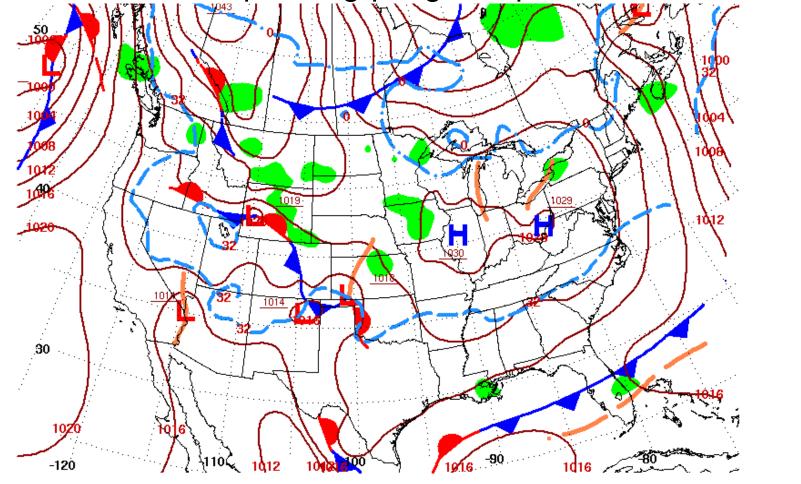


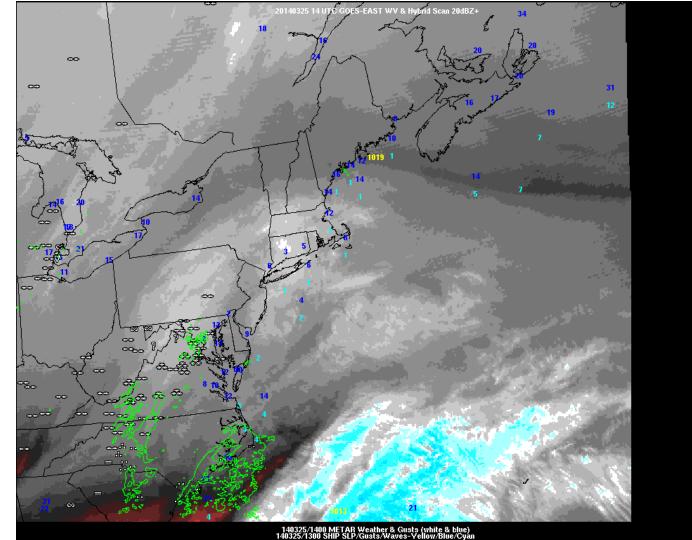


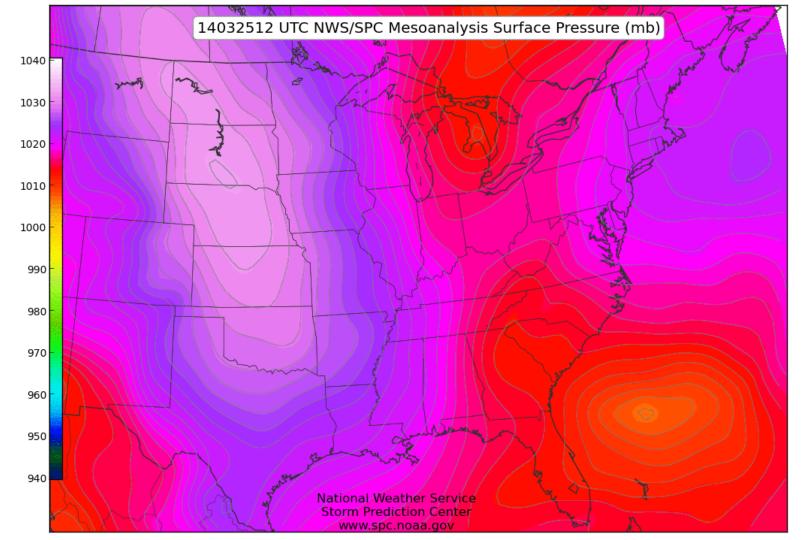
Atlantic Bomb – March 25-26

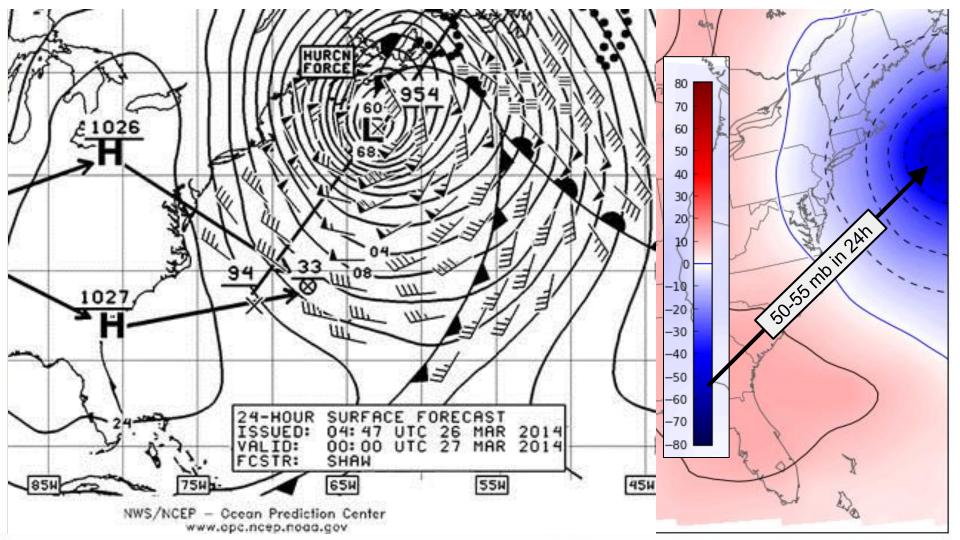


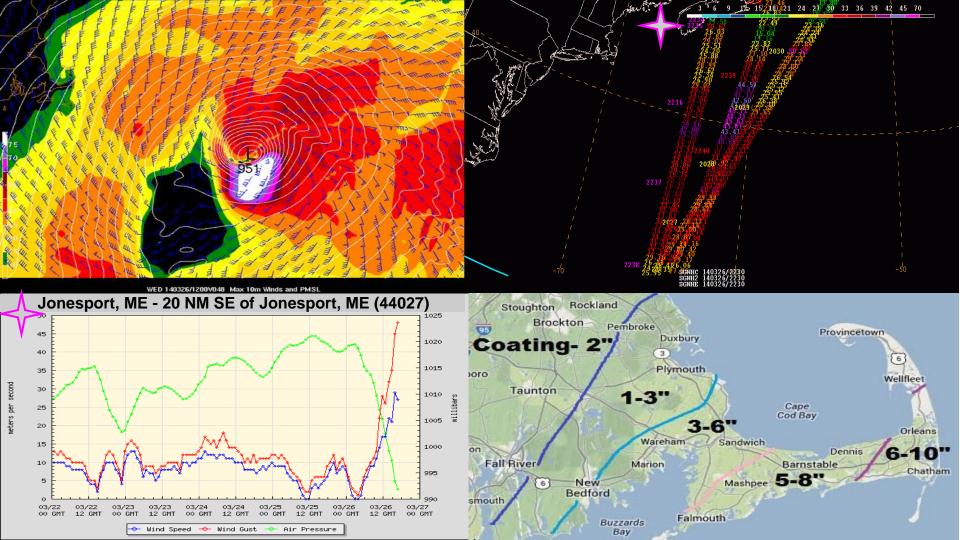
12 UTC Surface Maps "Ping-pong" Loop for Mar. 25-26-27

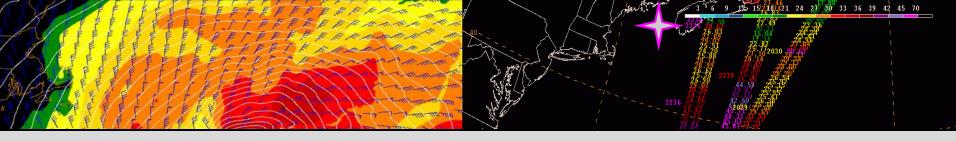












March Meteorological Bomb In Summary –

Rapid Intensification: Pressure Falls > 50 mb/24h

Expansive Well-forecast Hurricane-Force Wind Field

Central Pressure Comparable to Sandy





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Thank You!

Greg Carbin, NOAA / Storm Prediction Center

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