

Drought Conditions

By: Samantha Borisoff, Climatologist



Northeast Regional Climate Center



Drought Monitor

U.S. Drought Monitor Northeast

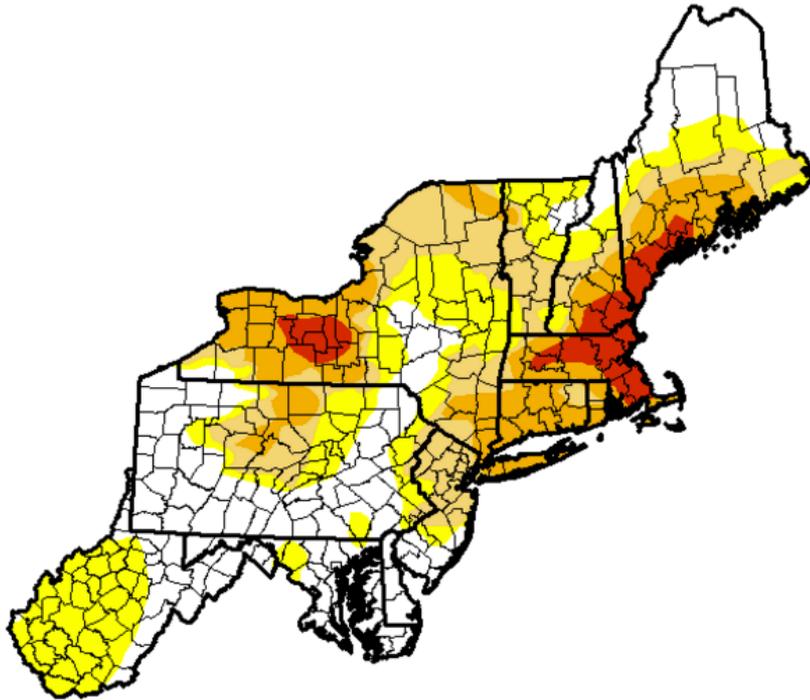
October 4, 2016

(Released Thursday, Oct. 6, 2016)

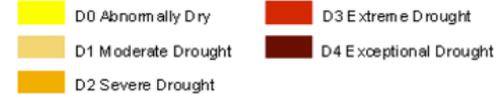
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	34.88	65.12	40.99	21.98	5.61	0.00
Last Week 9/27/2016	21.72	78.28	40.32	19.59	6.68	0.00
3 Months Ago 7/5/2016	34.35	65.65	20.82	1.82	0.00	0.00
Start of Calendar Year 12/29/2015	62.10	37.90	6.60	0.00	0.00	0.00
Start of Water Year 9/27/2016	21.72	78.28	40.32	19.59	6.68	0.00
One Year Ago 10/6/2015	71.27	28.73	5.78	0.00	0.00	0.00



Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:

Brian Fuchs

National Drought Mitigation Center



<http://droughtmonitor.unl.edu/>



Cornell University

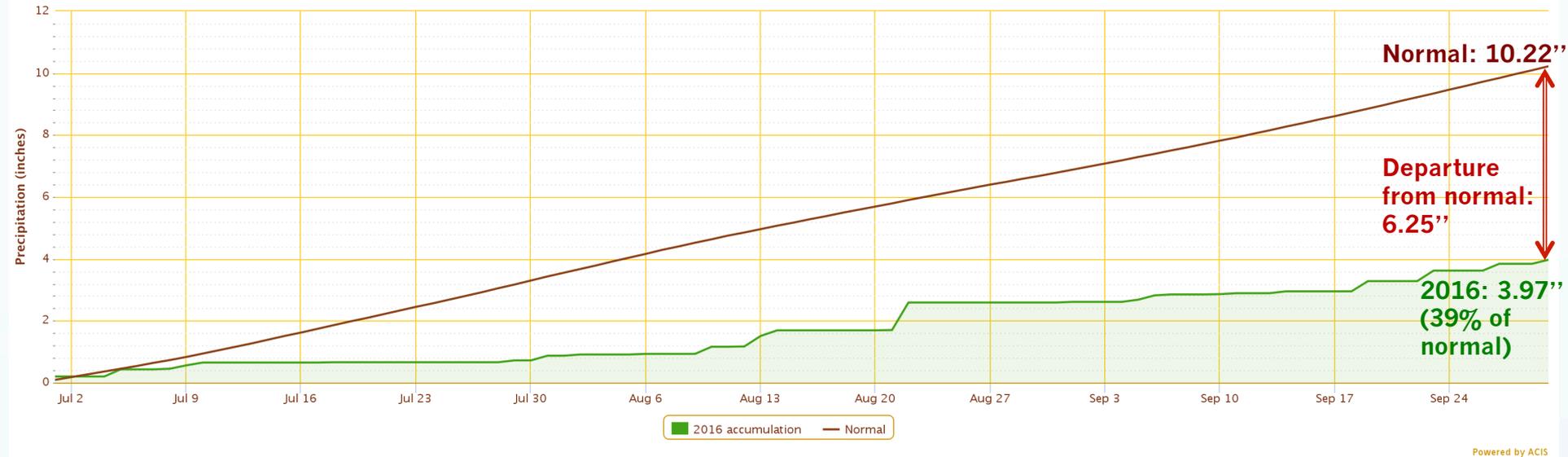


Northeast Regional
Climate Center

Precipitation

Accumulated Precipitation – BOSTON, MA

Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values

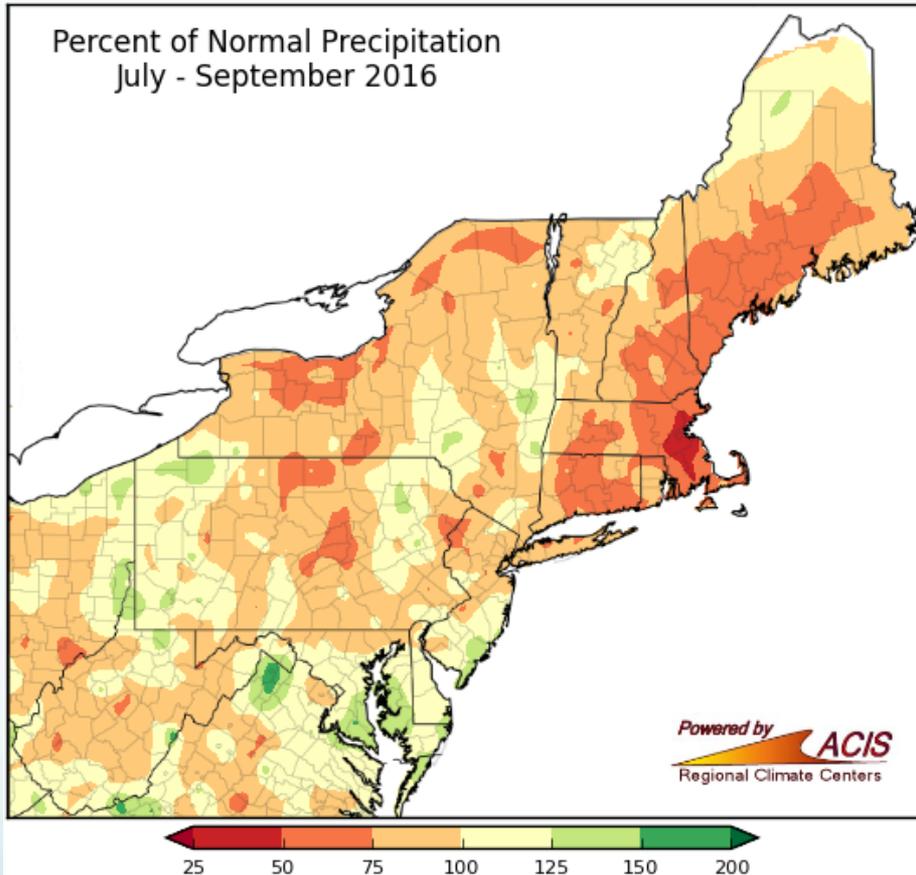


Powered by ACIS

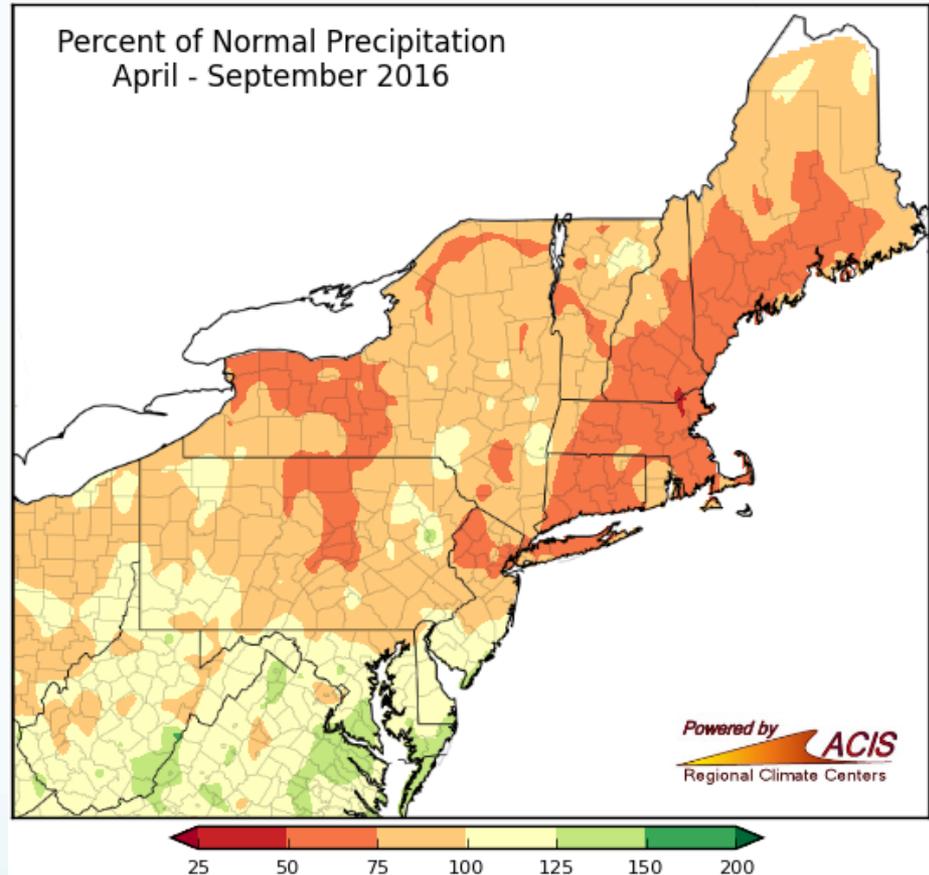
- Normal = 30-year average
- Boston, MA
 - Normal July-Sep precip: 10.22" (brown line)
 - 2016 July-Sep precip: 3.97, 39% of normal (green line)
 - Departure from normal: 6.25" (red line)



Precipitation



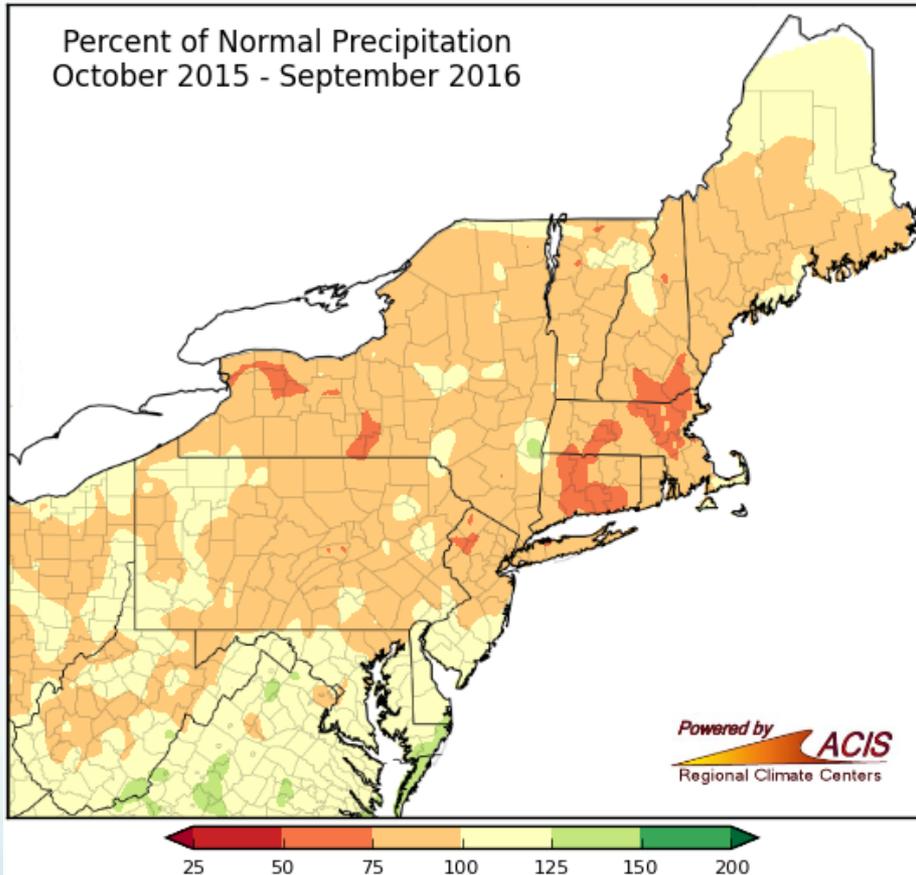
- Past 3 months: 25-75% of normal



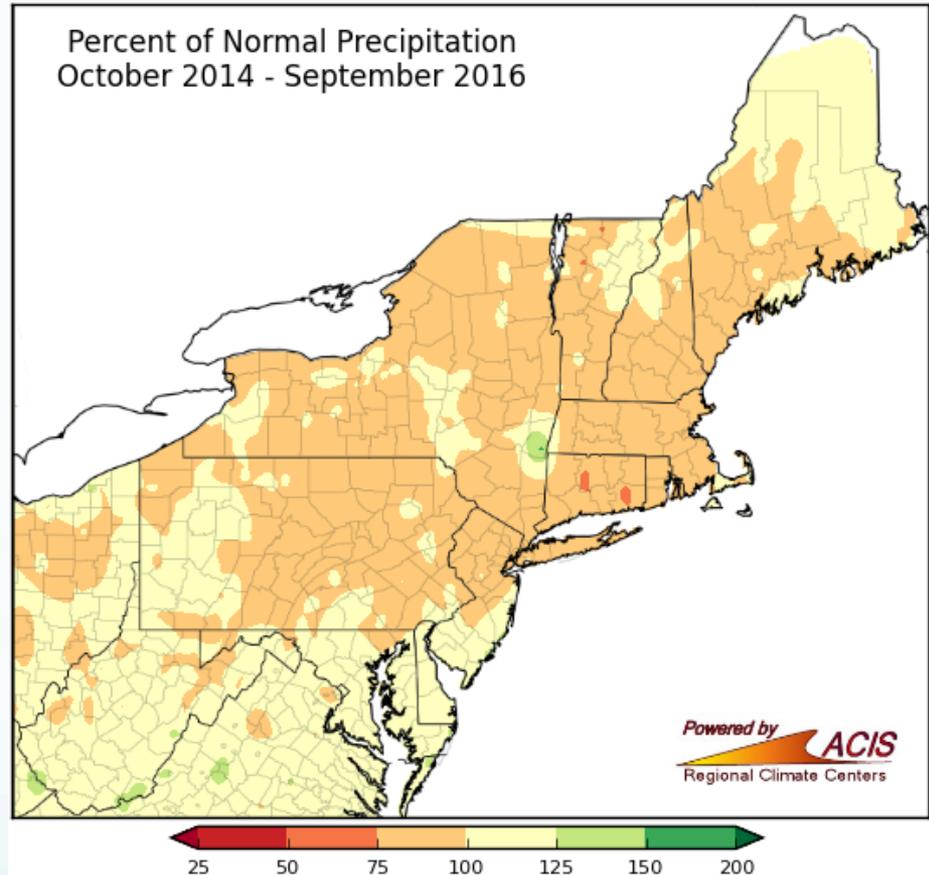
- Past 6 months: 50-75% of normal



Precipitation



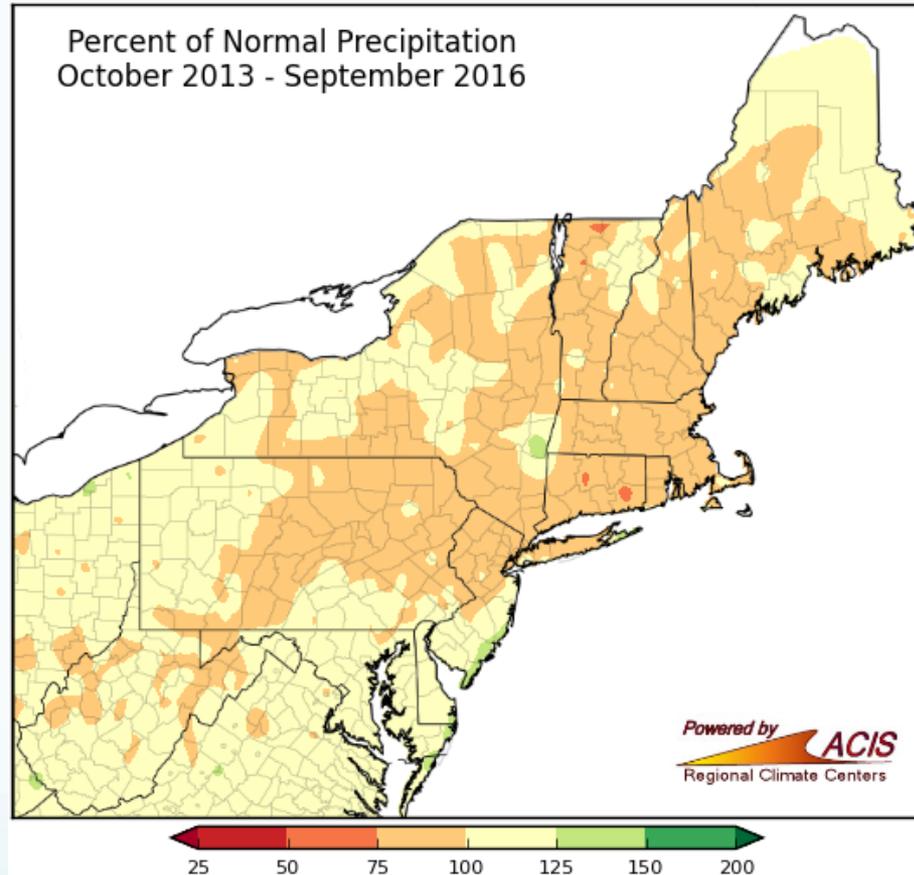
- Past 12 months: 50% of normal to near normal



- Past 24 months: 75% of normal to near normal



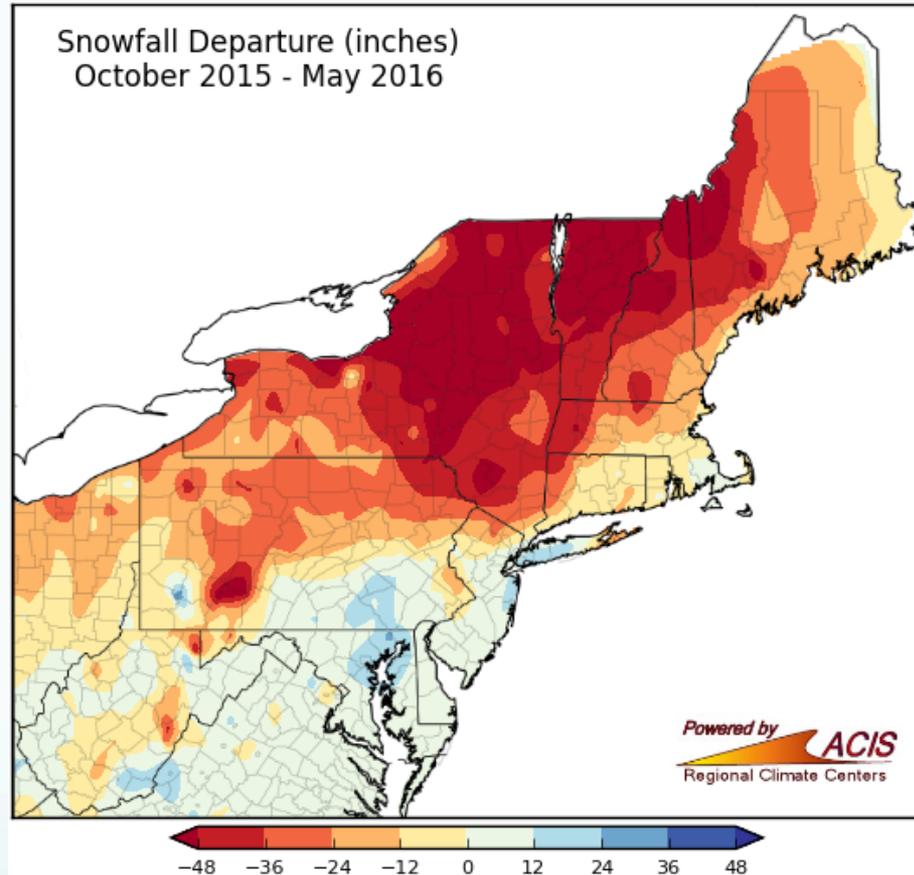
Precipitation



- Past 36 months: 75-125% of normal



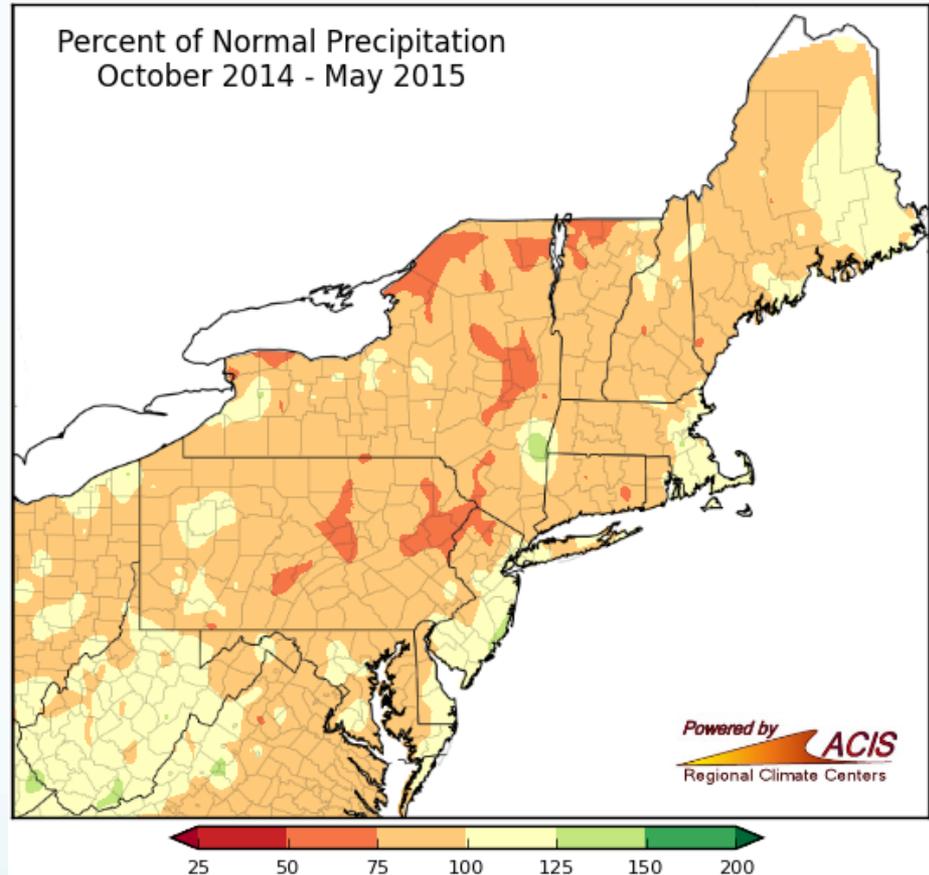
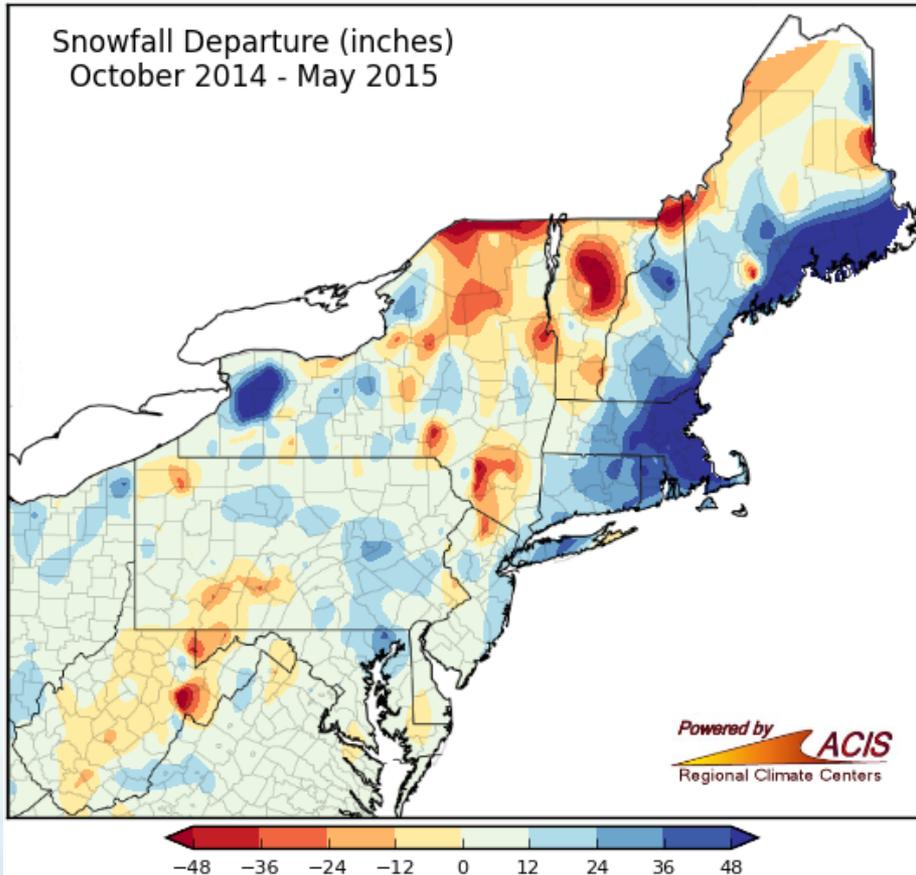
Snowfall



- Below-normal snowfall, lack of moisture heading into spring



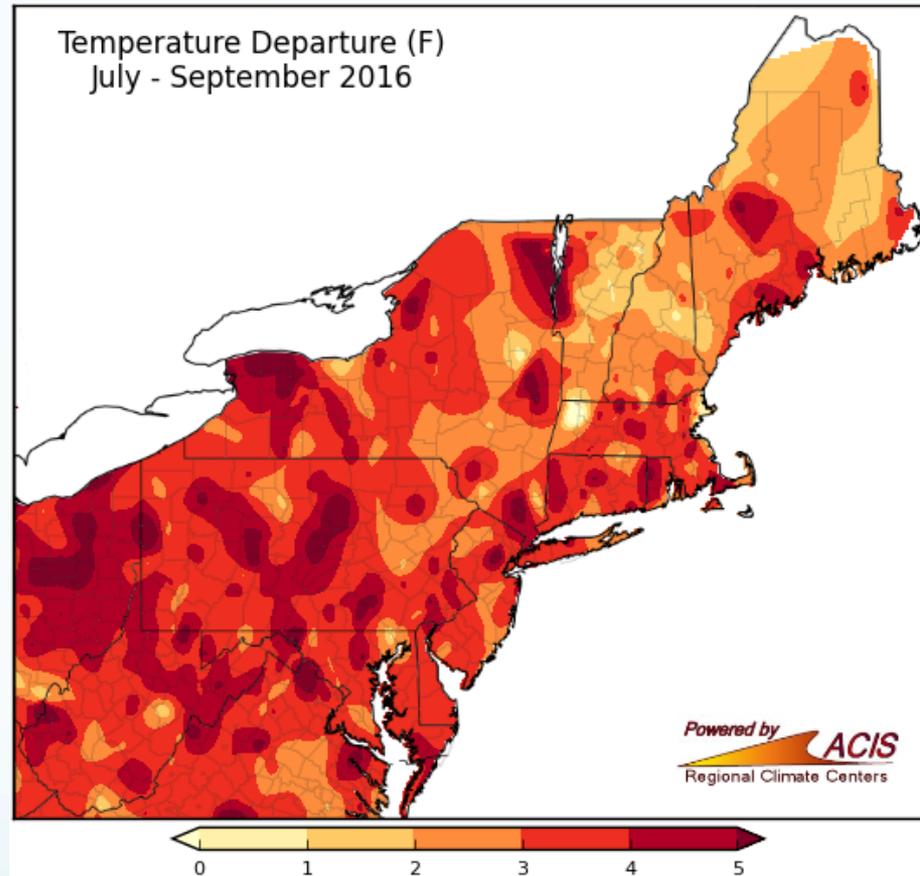
Snowfall



- Above-normal snowfall, but water content near to below normal



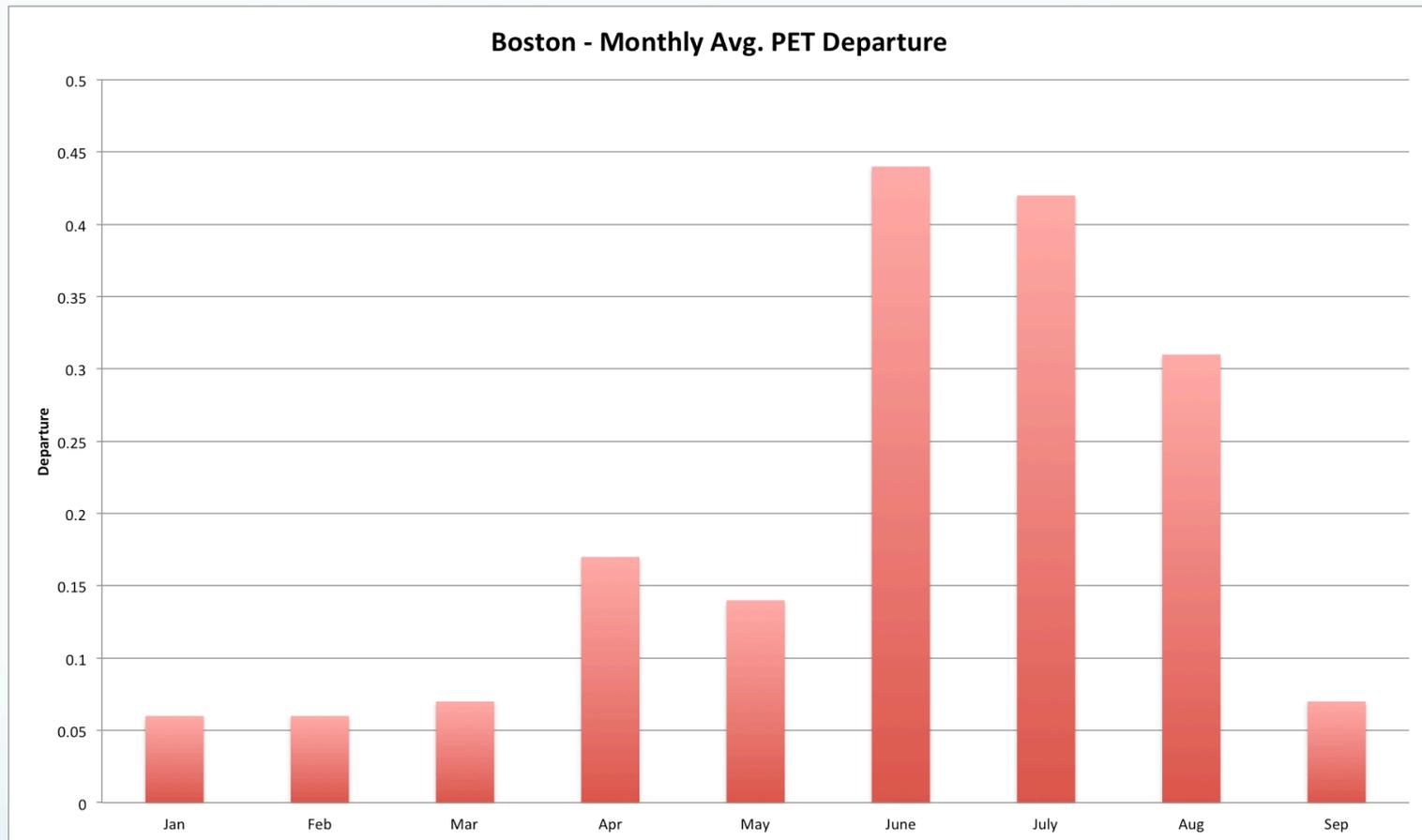
Temperature



- Past 3 months: 1°F to more than 5°F above normal



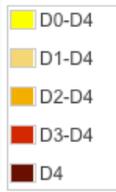
Evapotranspiration



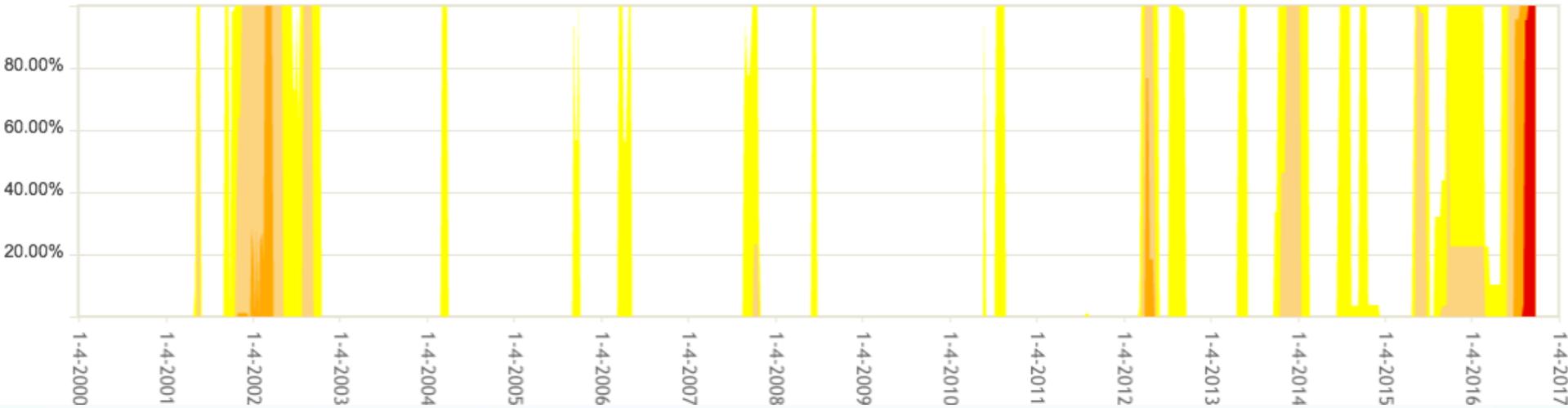
- PET: estimated average amount of moisture evaporated from ground/released into atmosphere by plants
- Generally above average



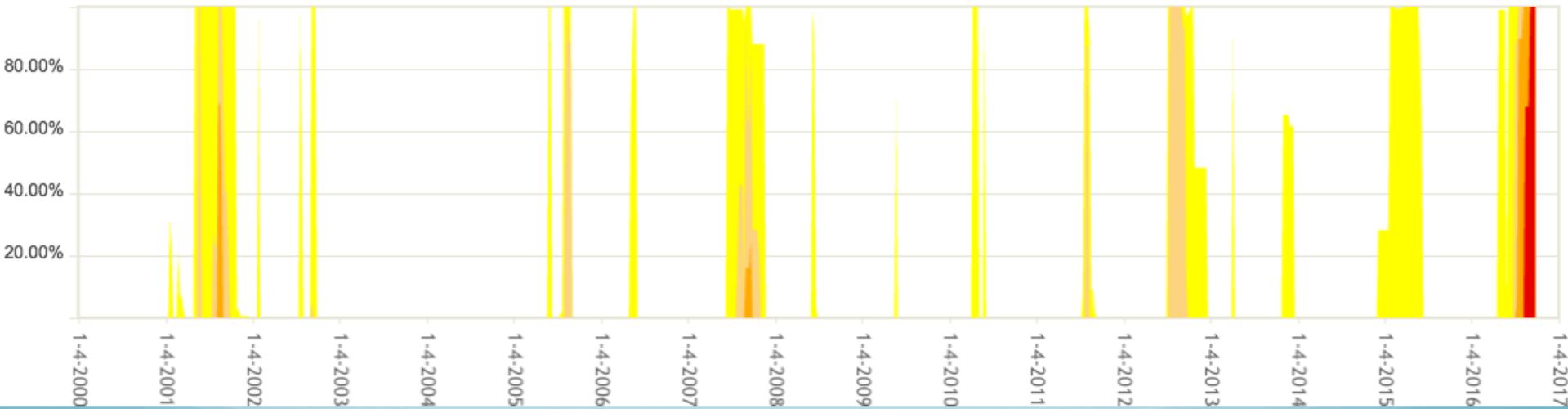
Past Droughts



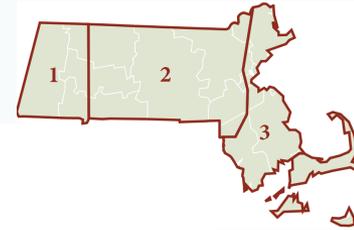
Essex County (MA) Percent Area



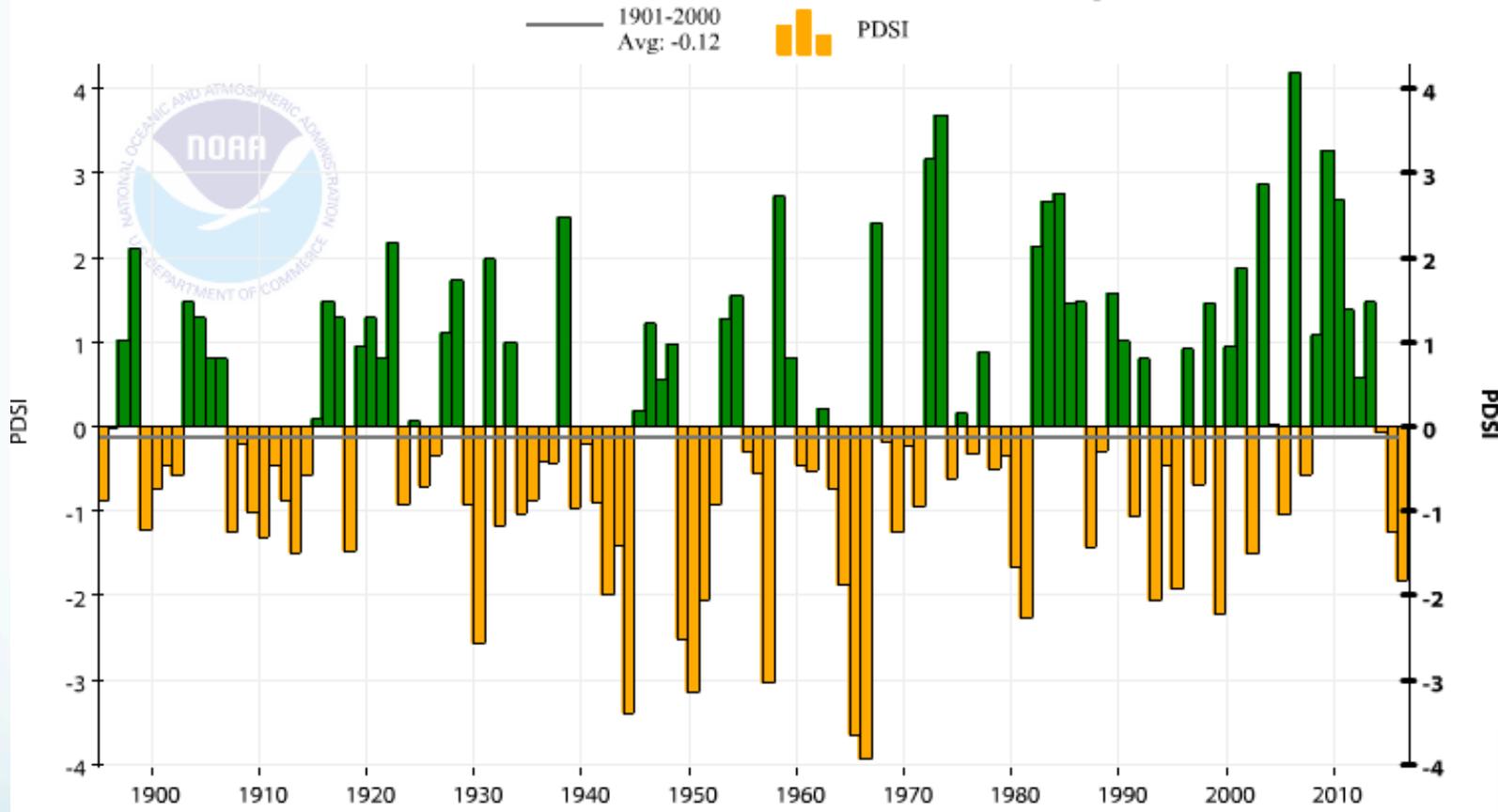
Ontario County (NY) Percent Area



Past Droughts



Massachusetts, Climate Division 3, PDSI, June-August



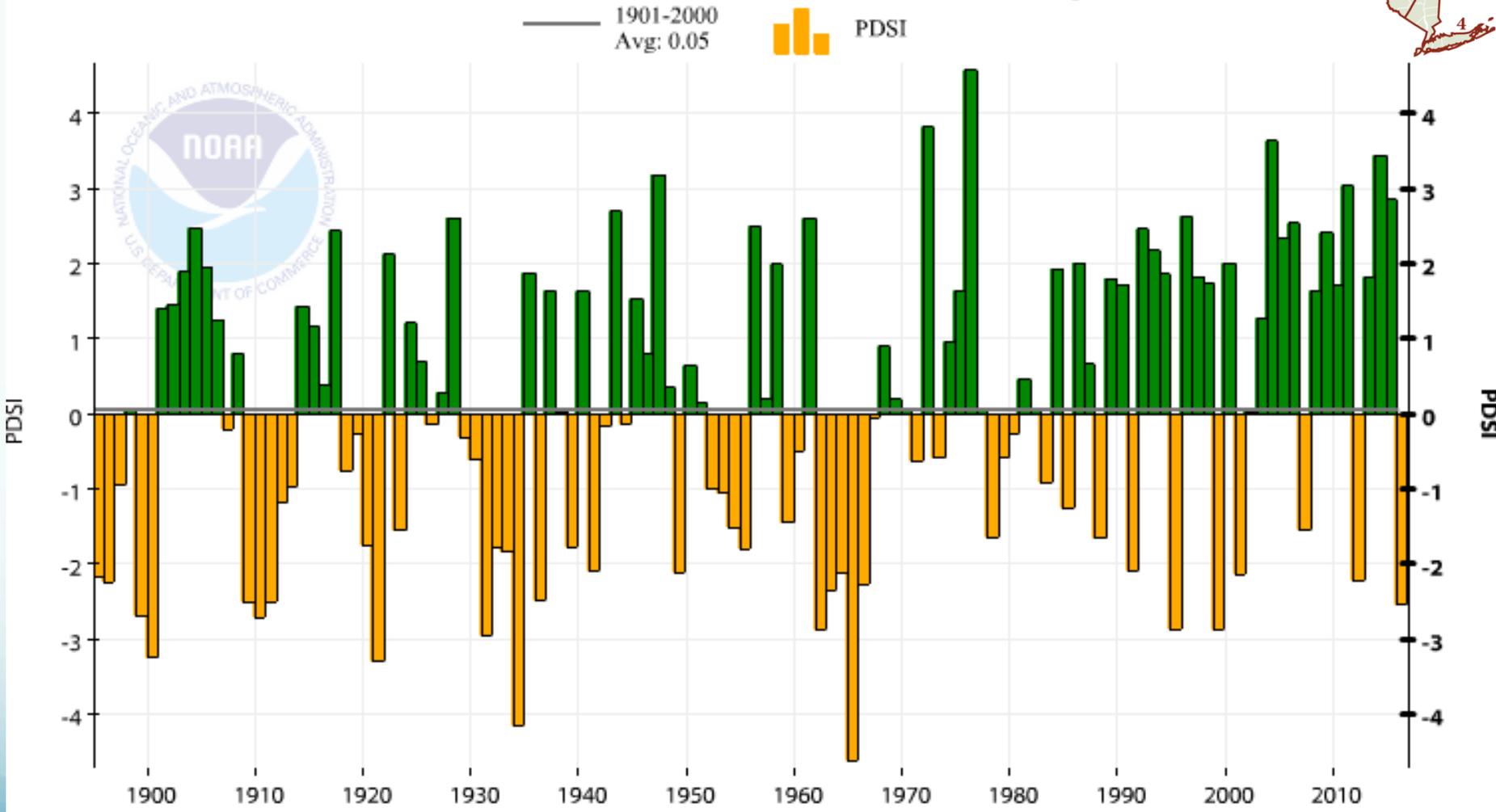
- Palmer Drought Severity Index: an estimate of dryness based on water supply (precipitation) and demand (PET)
- Similar droughts in the 1980s/90s, but not as severe as droughts in the 1940s, 50s, 60s



Past Droughts



New York, Climate Division 10, PDSI, June-August



- Similar droughts in the 1990s, but not as severe as droughts in the 1930s/60s



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