



Weather Update

Pat Guinan

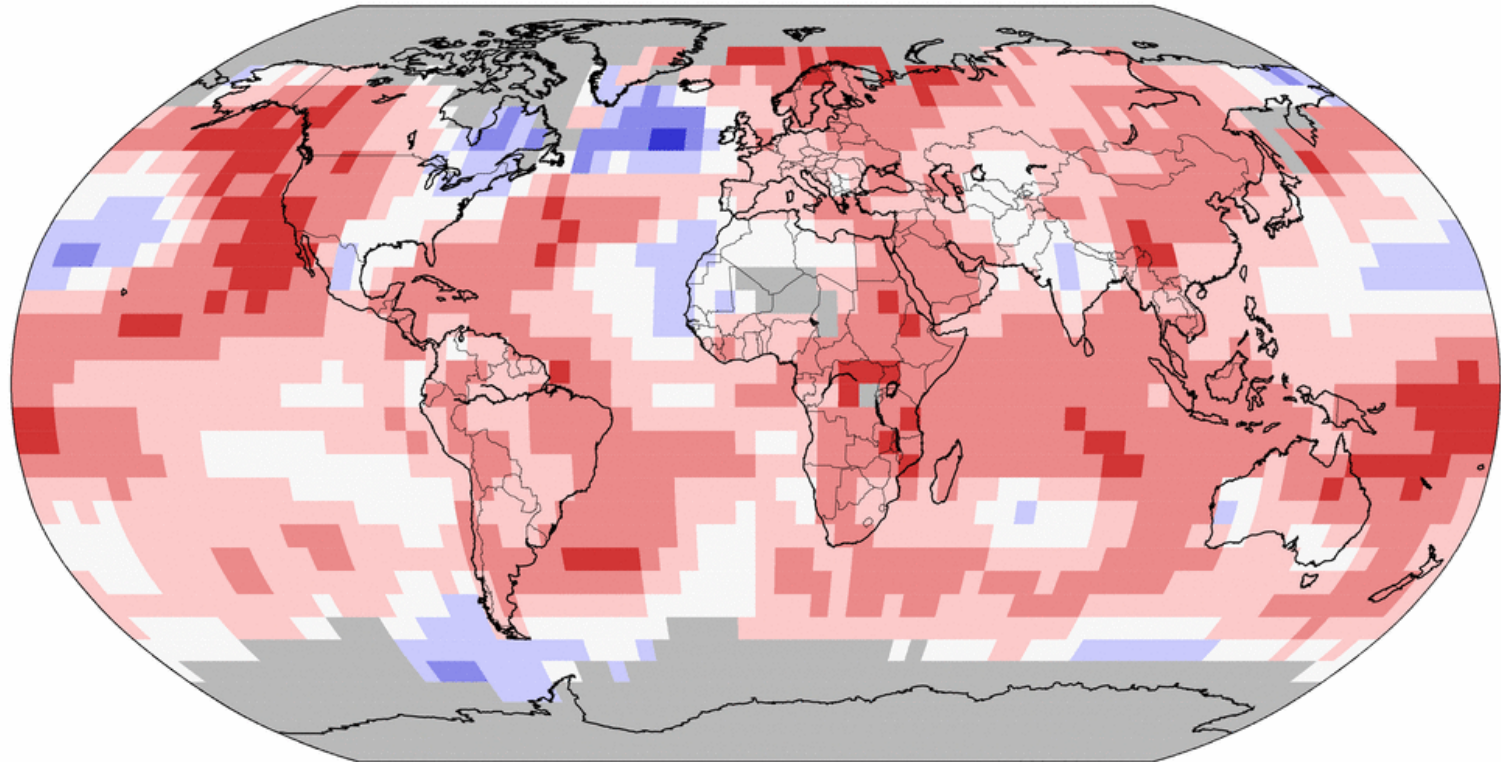
April 22, 2015

2015 was warmest first quarter (Jan-Mar) for globe since records began in 1880...

Land & Ocean Temperature Percentiles Mar 2015

NOAA's National Climatic Data Center


Data Source: GHCN-M version 3.2.2 & ERSST version 3b




Record
Coldest


Much
Cooler than
Average


Cooler than
Average


Near
Average


Warmer than
Average

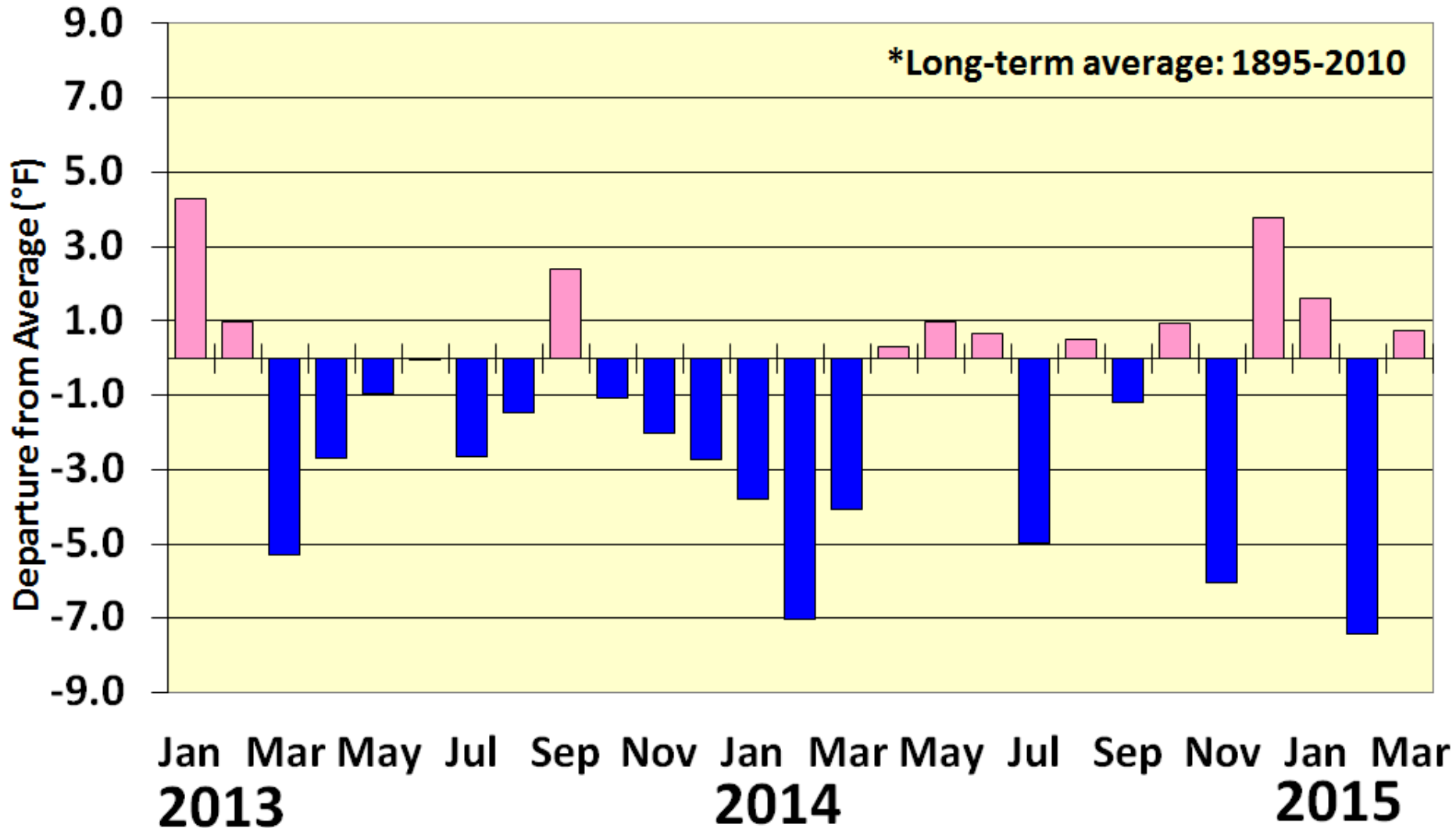

Much
Warmer than
Average


Record
Warmest



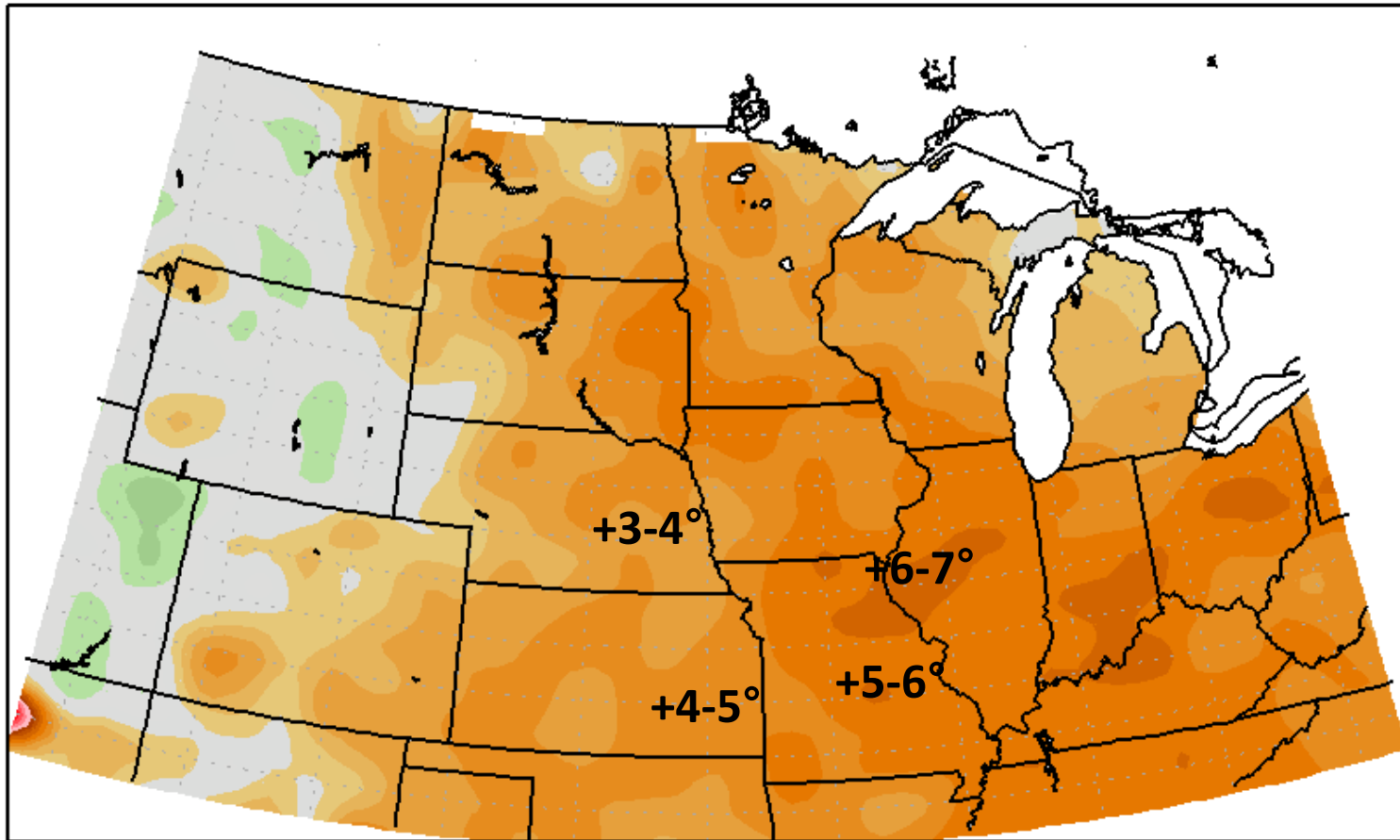
Missouri Monthly Temperature Departure from Average*

Jan 2013 - Mar 2015



Mild April in the Great Plains & Midwest...

Average Temperature Departure from Mean (°F)
April 1-20, 2015



Mean period is 1981-2010.

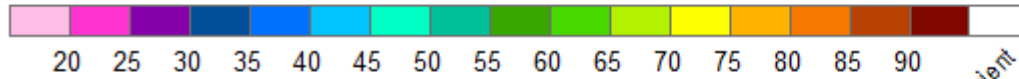


MRCC

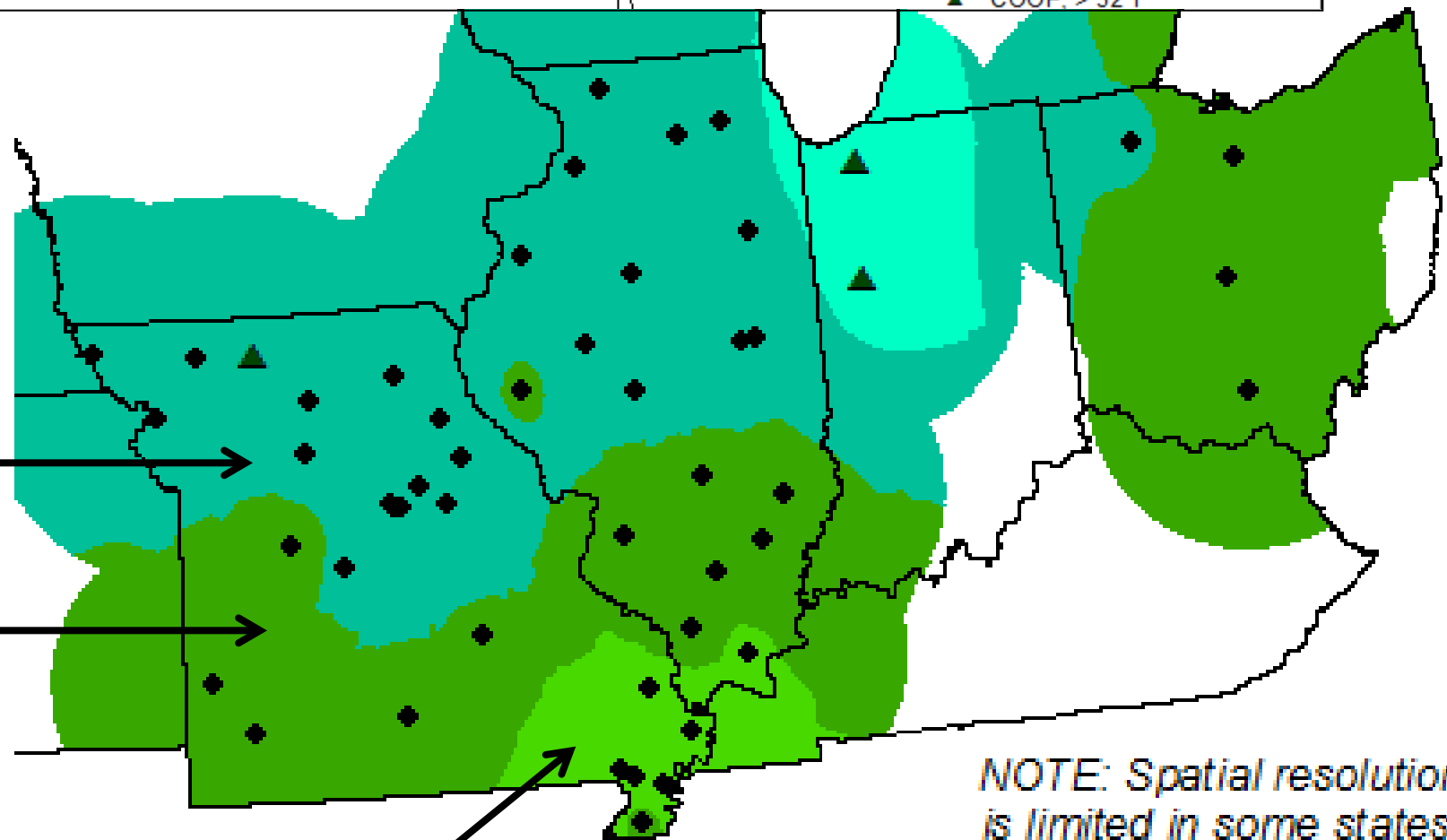
<http://mrcc.isws.illinois.edu/CLIMATE/>

2" Soil Temperature (°F) (Bare)

24-Hour Period Through 4/20/2015



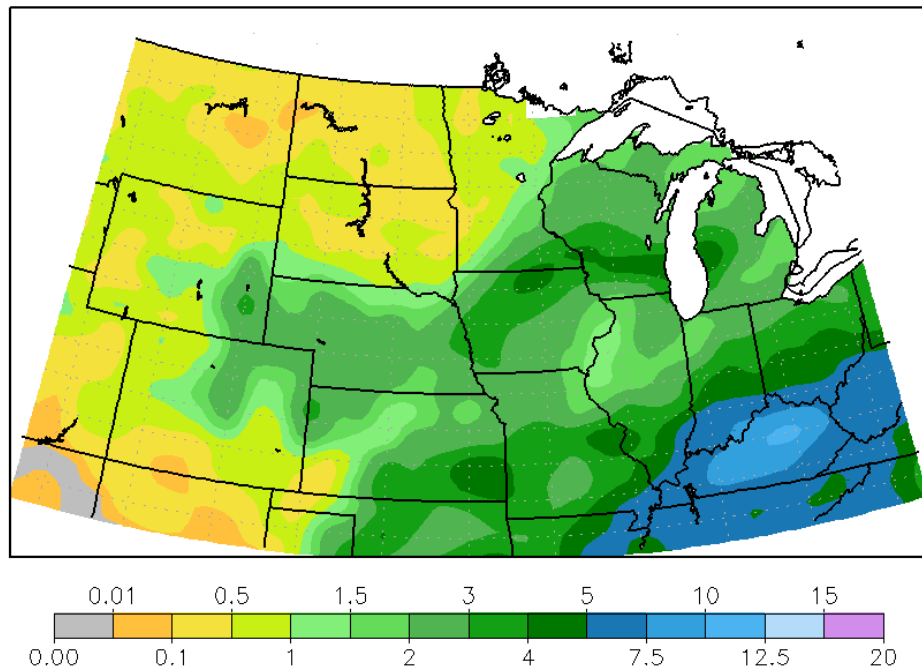
- ◇ Mesonets, ≤ 32°F
- ◆ Mesonets, > 32°F
- △ COOP, ≤ 32°F
- ▲ COOP, > 32°F



NOTE: Spatial resolution is limited in some states.

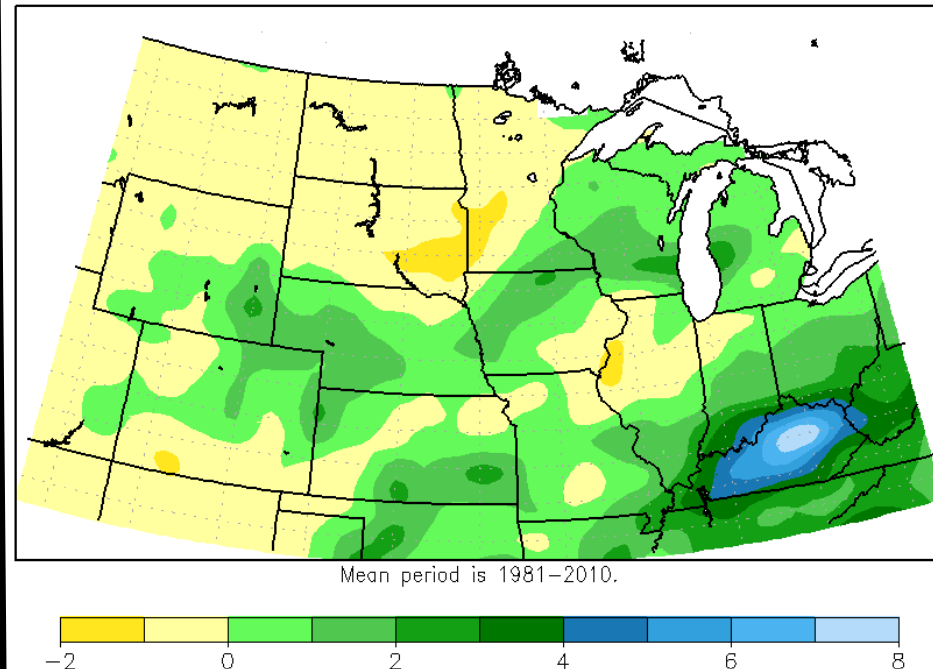
Generally wet April with pockets of dryness...

Accumulated Precipitation (in.) Apr 1 – Apr 21, 2015



MRCC

Accumulated Precipitation (in.) Departure from Mean Apr 1 – Apr 21, 2015



MRCC

U.S. Drought Monitor

CONUS

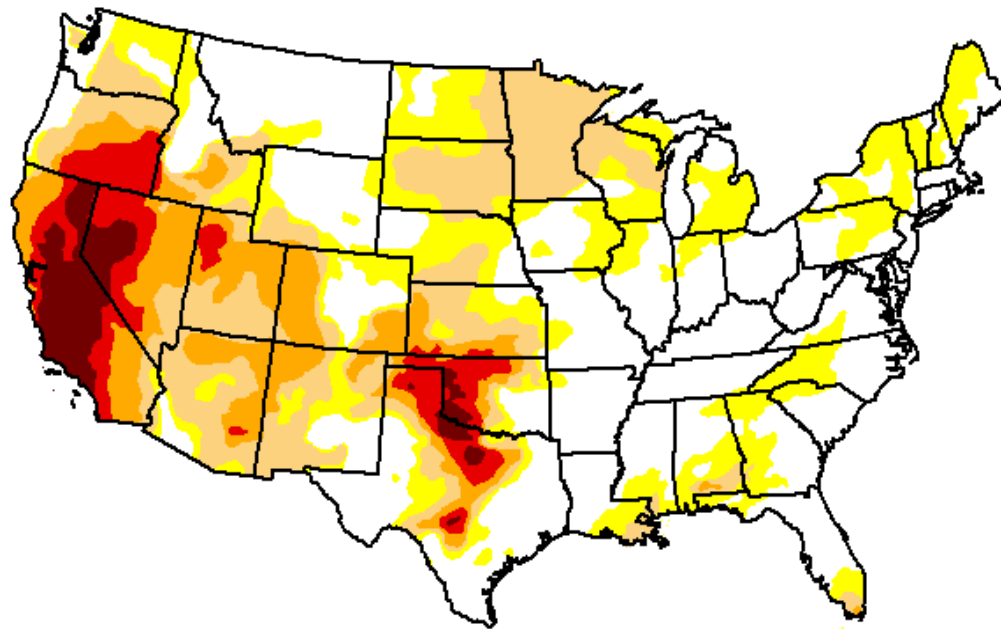
April 14, 2015

(Released Thursday, Apr. 16, 2015)

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	41.23	58.77	37.46	19.14	9.09	3.55
Last Week <i>4/7/2015</i>	40.21	59.79	36.92	19.17	9.14	3.62
3 Months Ago <i>1/13/2015</i>	55.38	44.62	27.97	16.65	8.85	2.89
Start of Calendar Year <i>12/31/2014</i>	53.20	46.80	28.68	16.93	8.96	2.54
Start of Water Year <i>9/30/2014</i>	52.22	47.78	30.57	18.66	9.41	3.85
One Year Ago <i>4/15/2014</i>	51.54	48.46	37.88	25.20	10.11	2.83



Intensity:



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

Author(s):

Michael Brewer

NCDC/NOAA

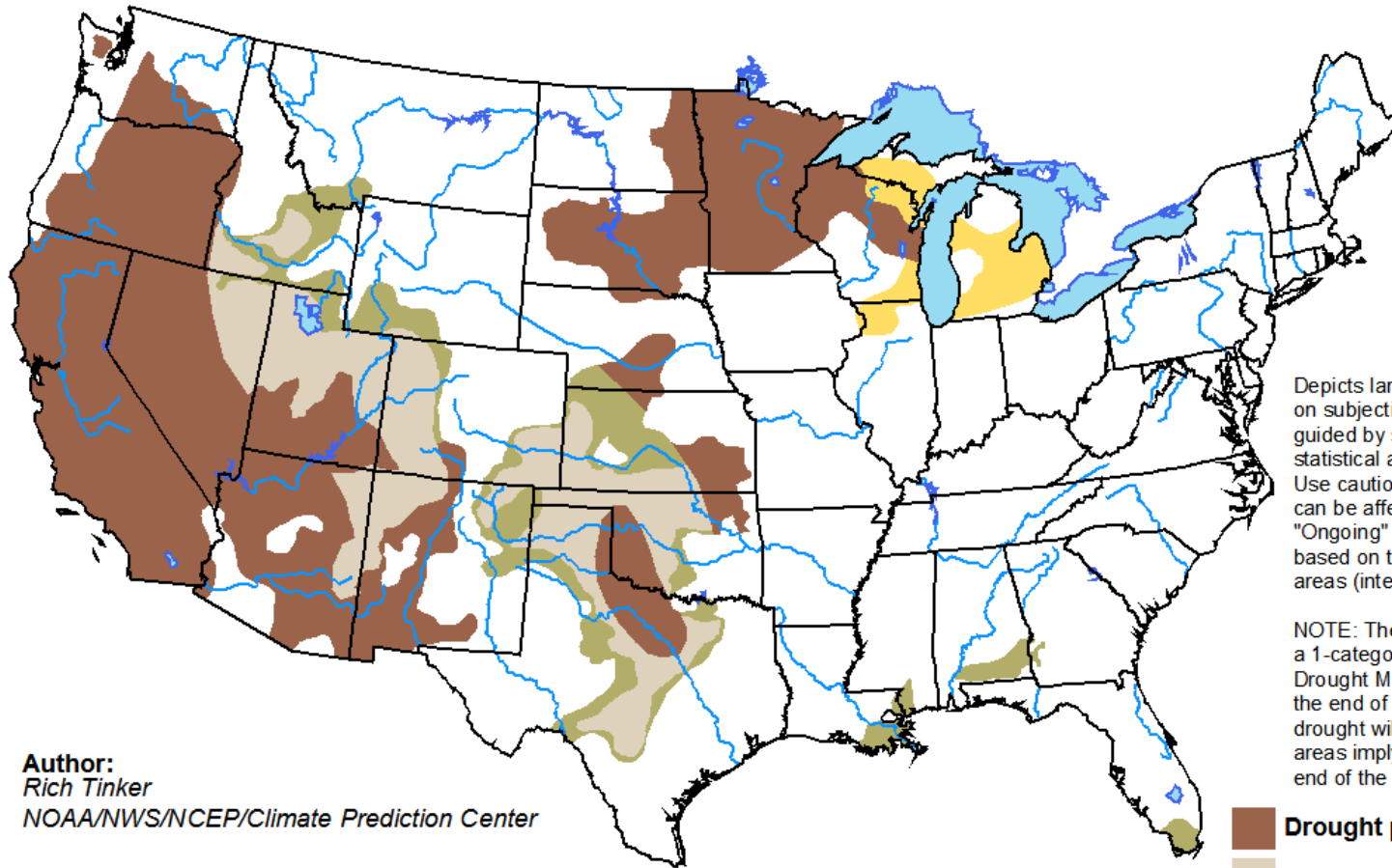


<http://droughtmonitor.unl.edu/>

U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period





Valid for April 16 - July 31, 2015
Released April 16, 2015

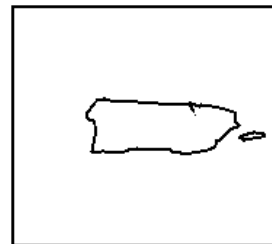
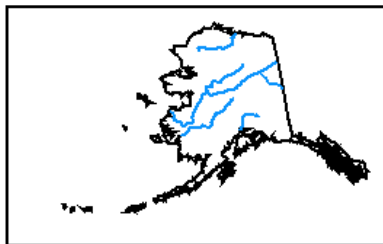


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

Author:
Rich Tinker
NOAA/NWS/NCEP/Climate Prediction Center

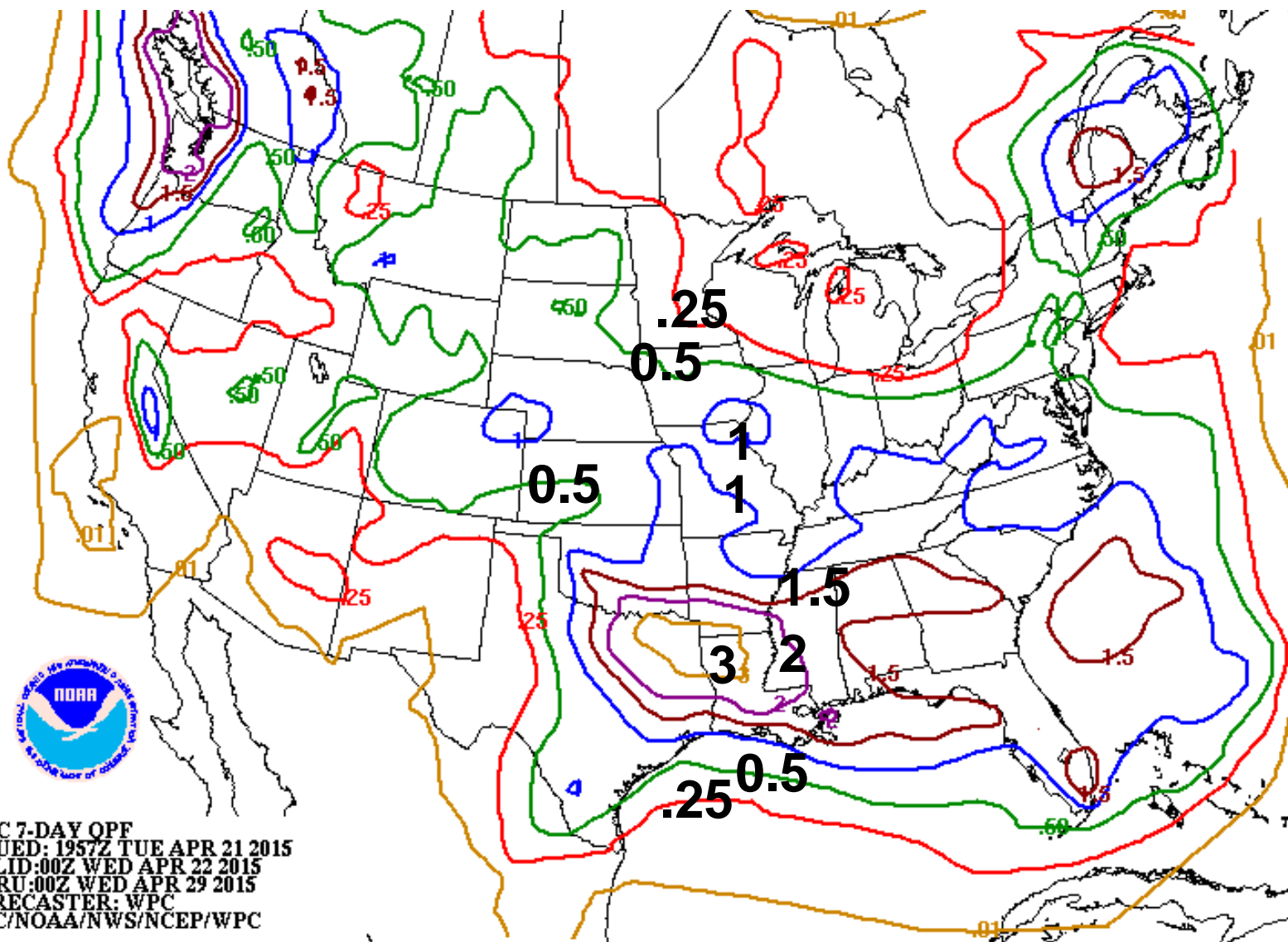
-  Drought persists/intensifies
-  Drought remains but improves
-  Drought removal likely
-  Drought development likely



<http://go.usa.gov/hHTe>

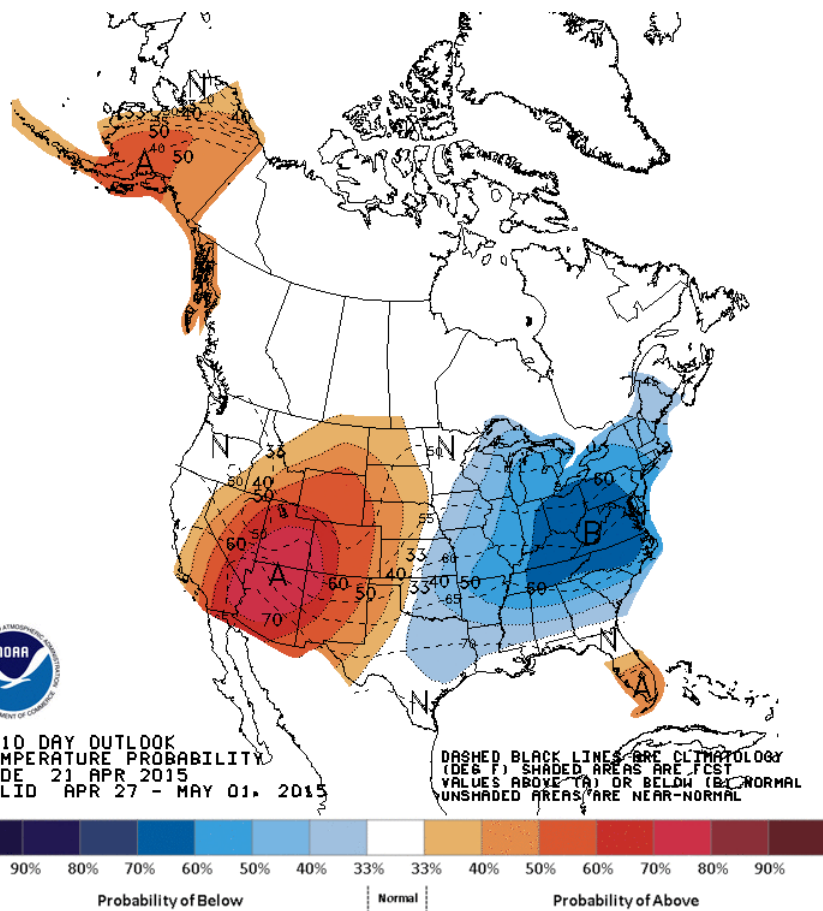
<http://www.cpc.ncep.noaa.gov/>

7-day precipitation forecast beginning 7:00 p.m., Tue, Apr. 21 thru 7:00 p.m., Tue, Apr 28, 2015



WPC 7-DAY OPF
ISSUED: 1957Z TUE APR 21 2015
VALID:00Z WED APR 22 2015
THRU:00Z WED APR 29 2015
FORECASTER: WPC
DOC/NOAA/NWS/NCEP/WPC

6-10 Day Temperature Outlook Apr 27- May 1, 2015



6-10 Day Precipitation Outlook Apr 27- May 1, 2015

