

# Climate Outlook and Implications for the Hay Market

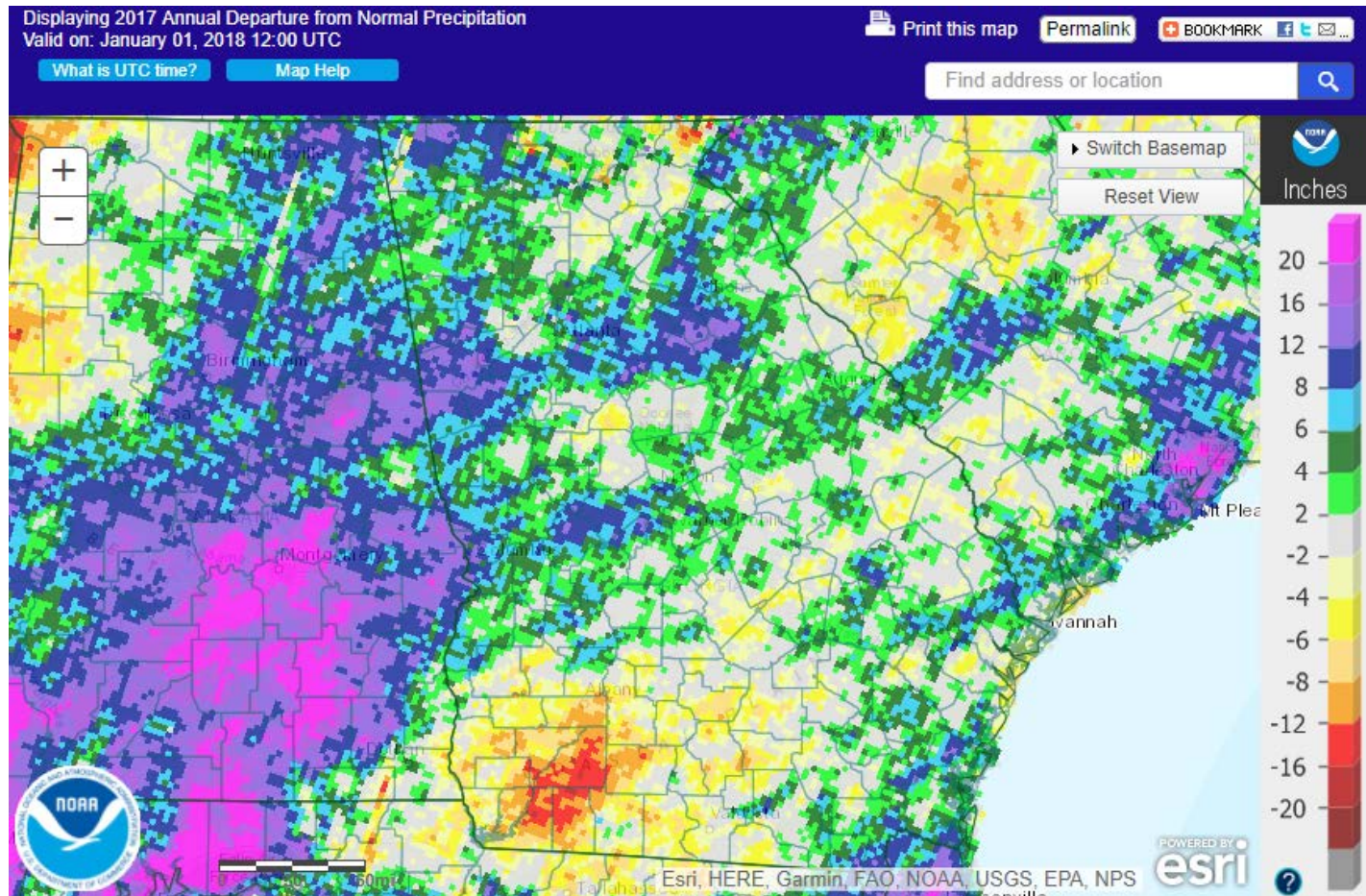
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**706-310-3467**

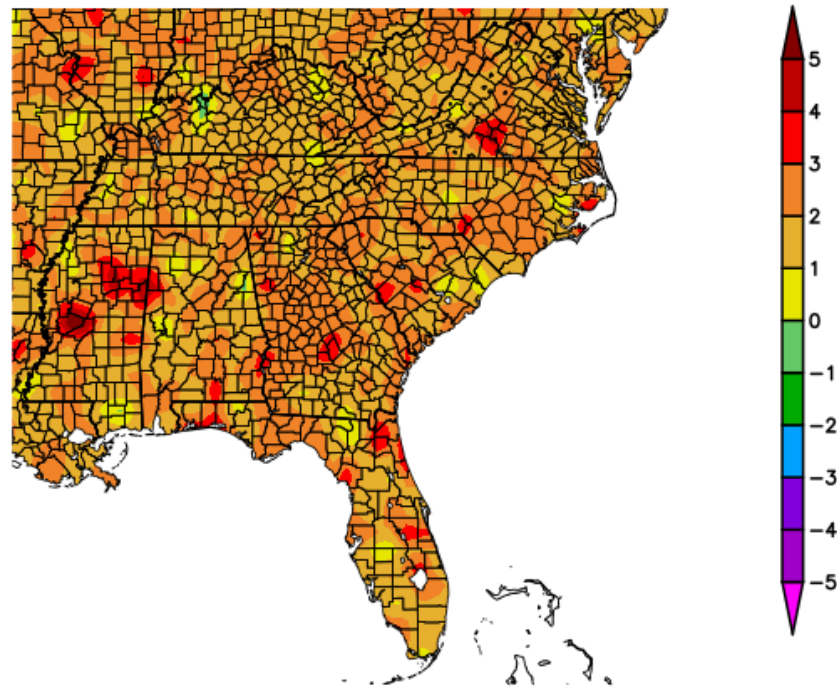
# A Look Back at 2017-Precipitation



<http://water.weather.gov/precip/>

# A Look Back at 2017-Temperature

Departure from Normal Temperature (F)  
1/1/2017 – 12/31/2017

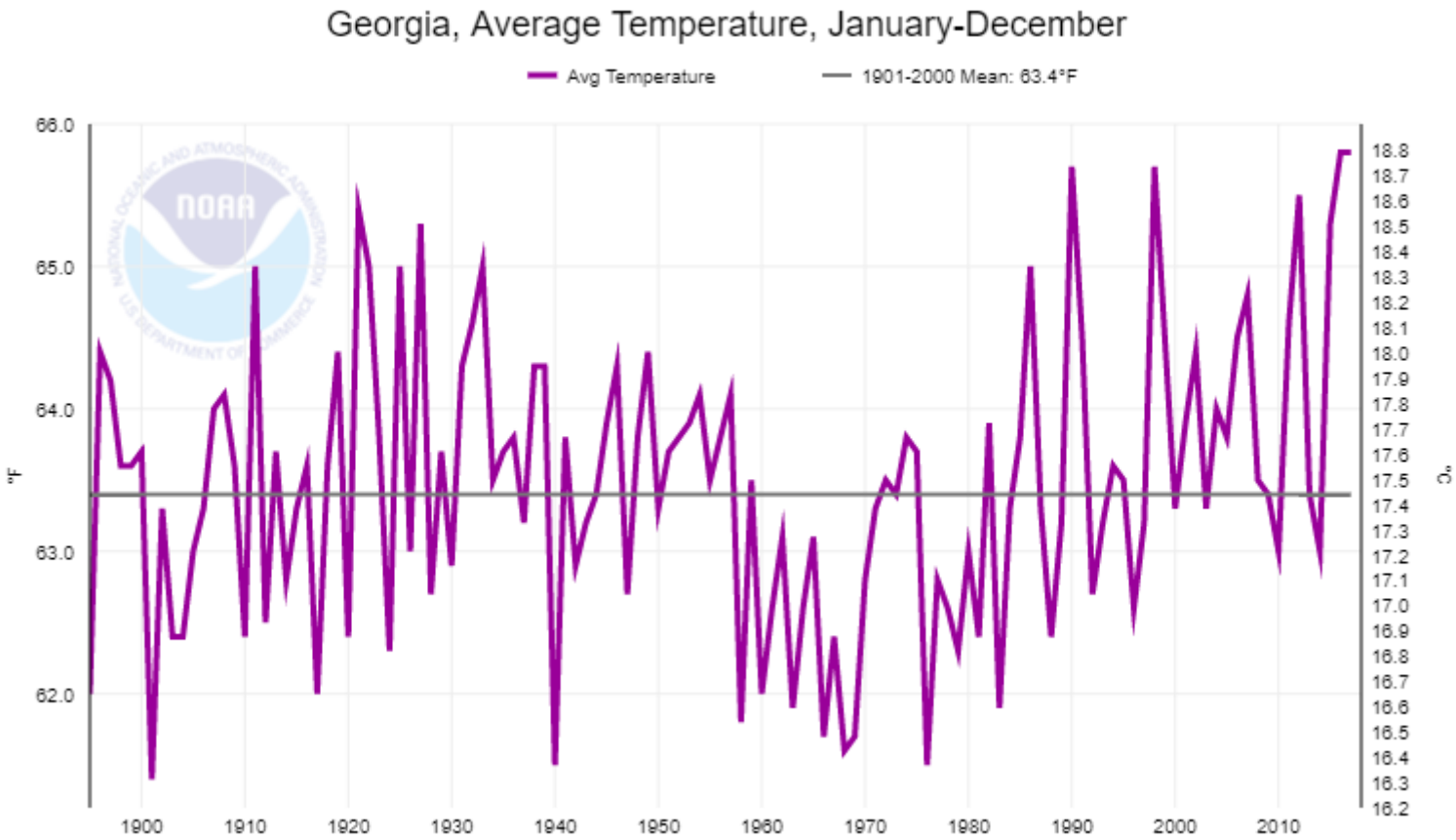


Generated 1/20/2018 at HPRCC using provisional data.

NOAA Regional Climate Centers

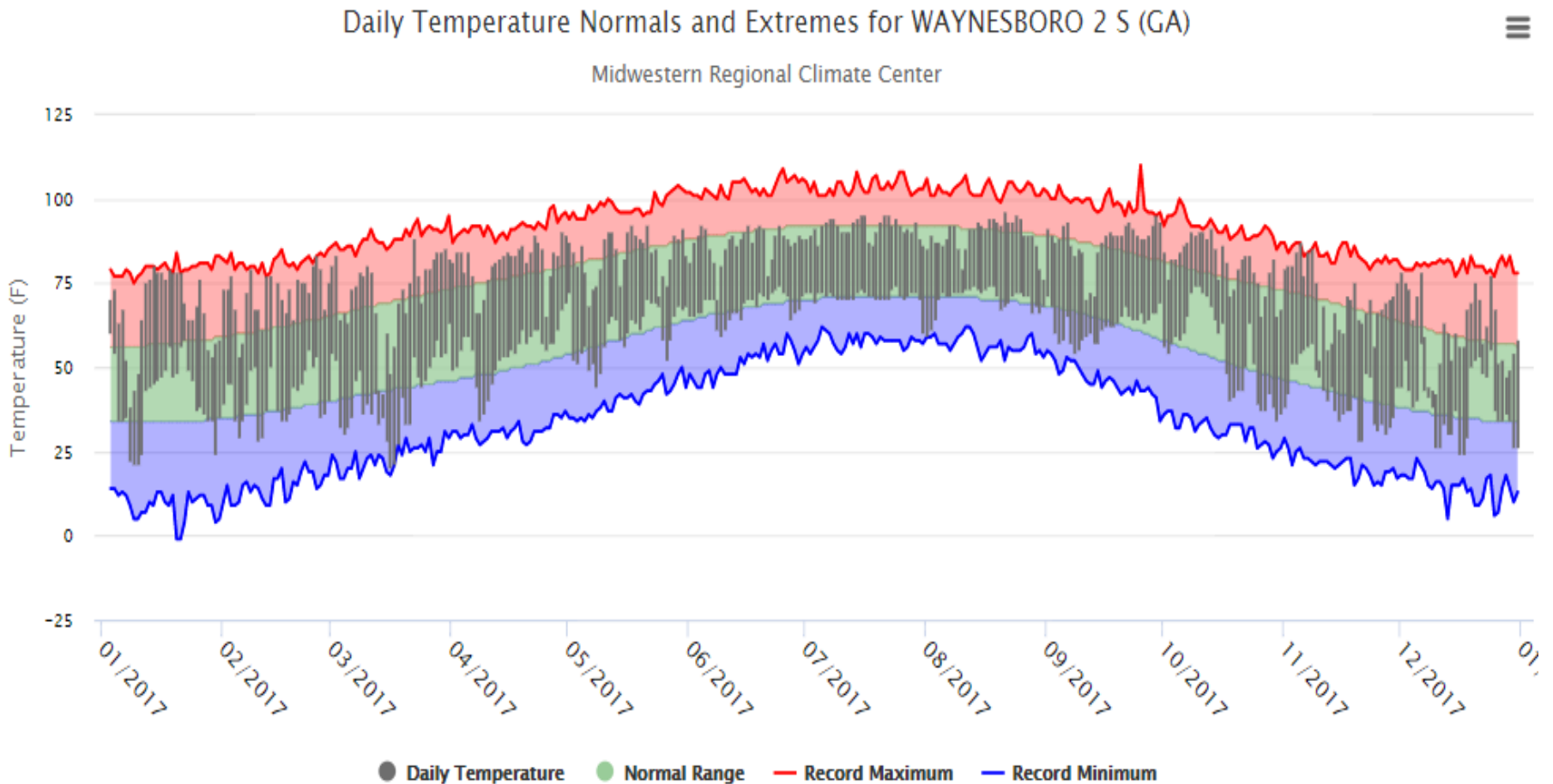
<https://hprcc.unl.edu/maps.php?map=ACISClimateMaps>

# 2017 was tied with 2016 for the warmest year on record in Georgia



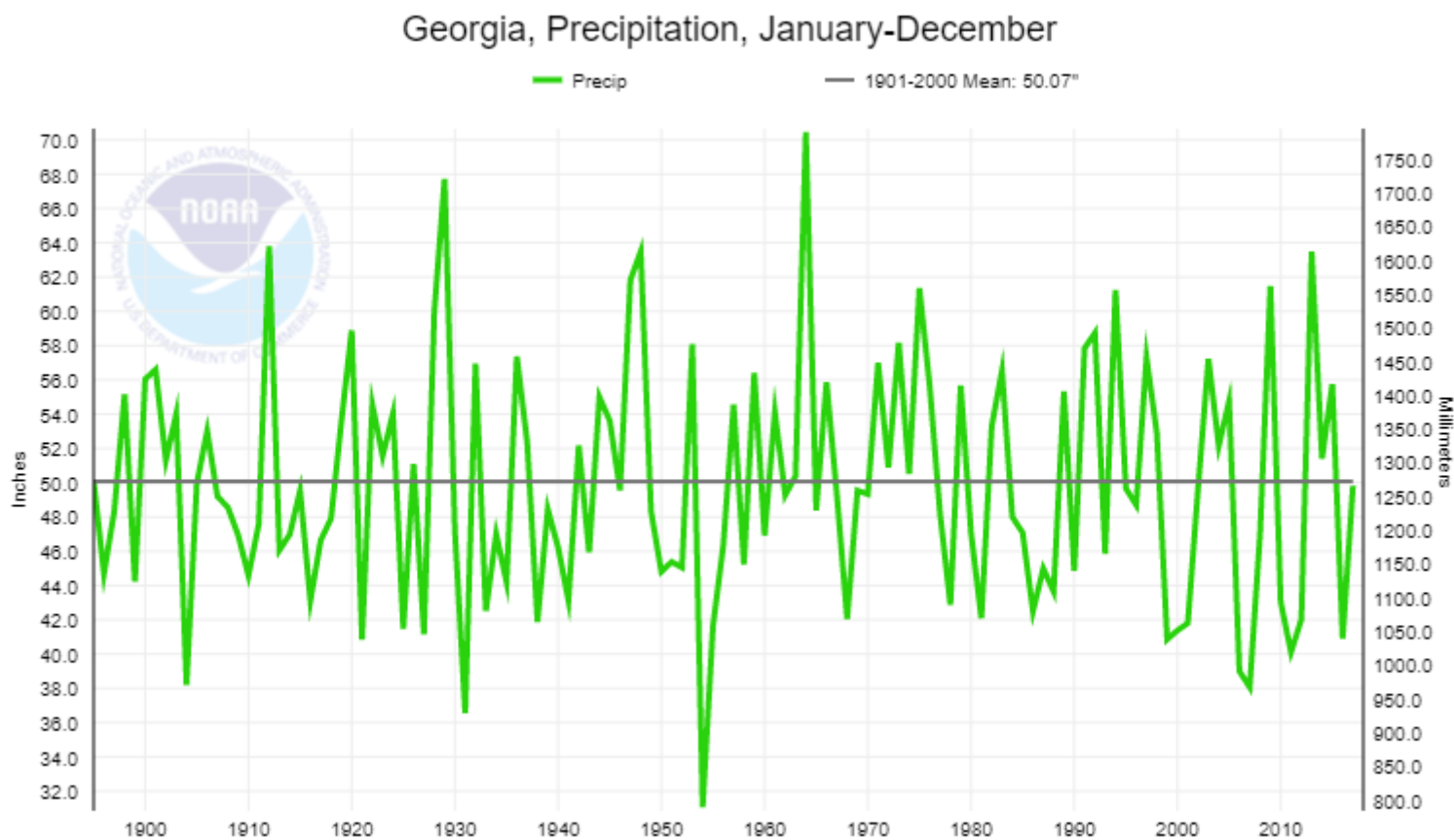
<https://www.ncdc.noaa.gov/cag>

# Waynesboro in 2017



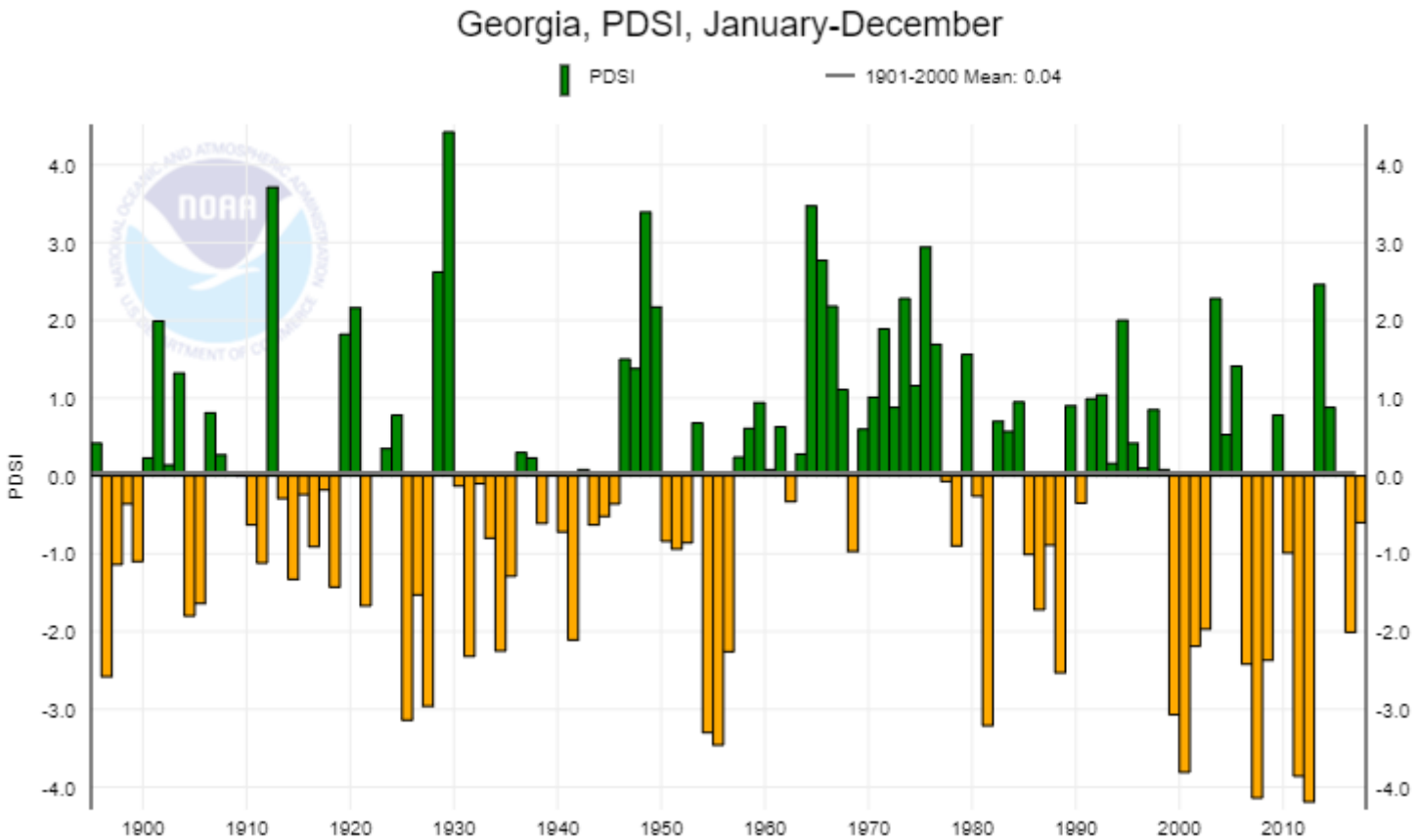
<http://mrcc.isws.illinois.edu/CLIMATE/Station/Monthly/StnNormsExtremesChart.jsp>

# No long-term trend in Georgia's precipitation



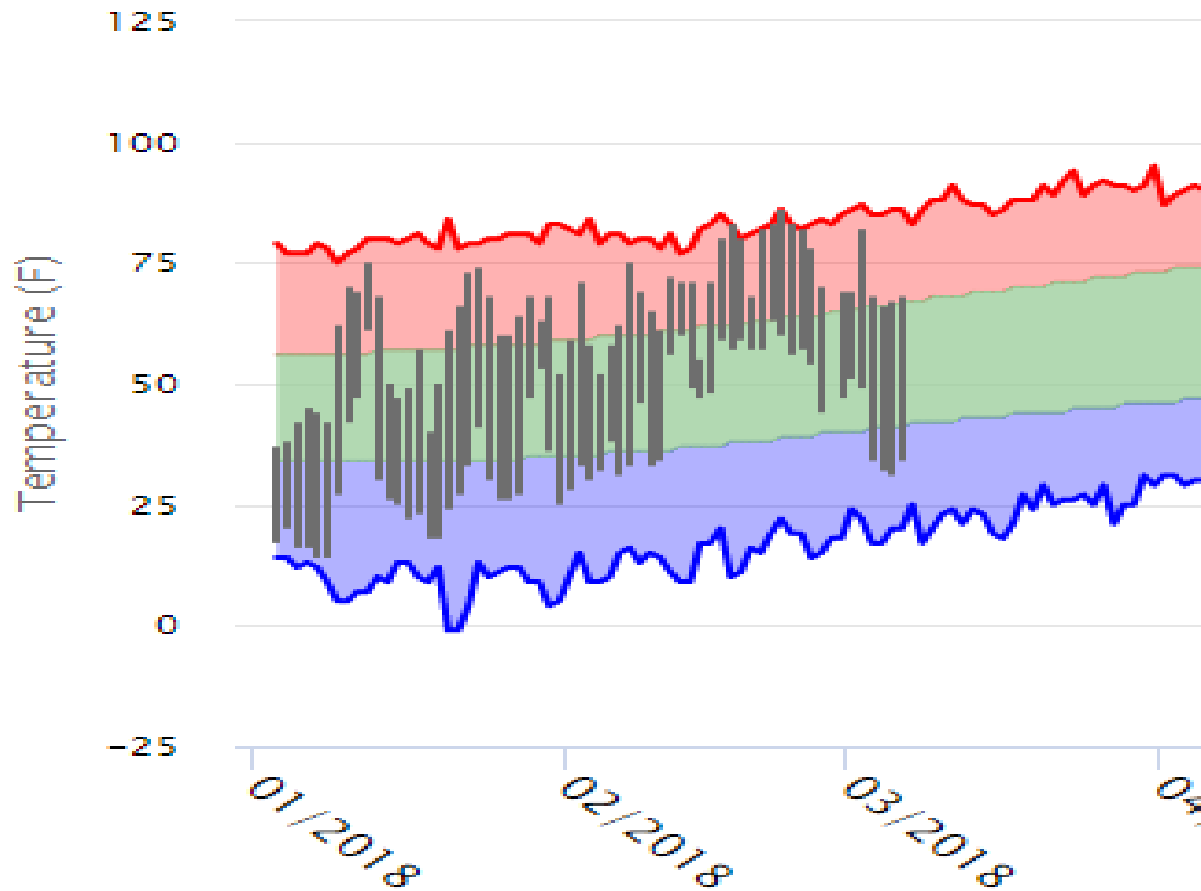
<https://www.ncdc.noaa.gov/cag>

# Droughts are getting longer and more frequent



<https://www.ncdc.noaa.gov/cag>

# Where are we now in 2018?

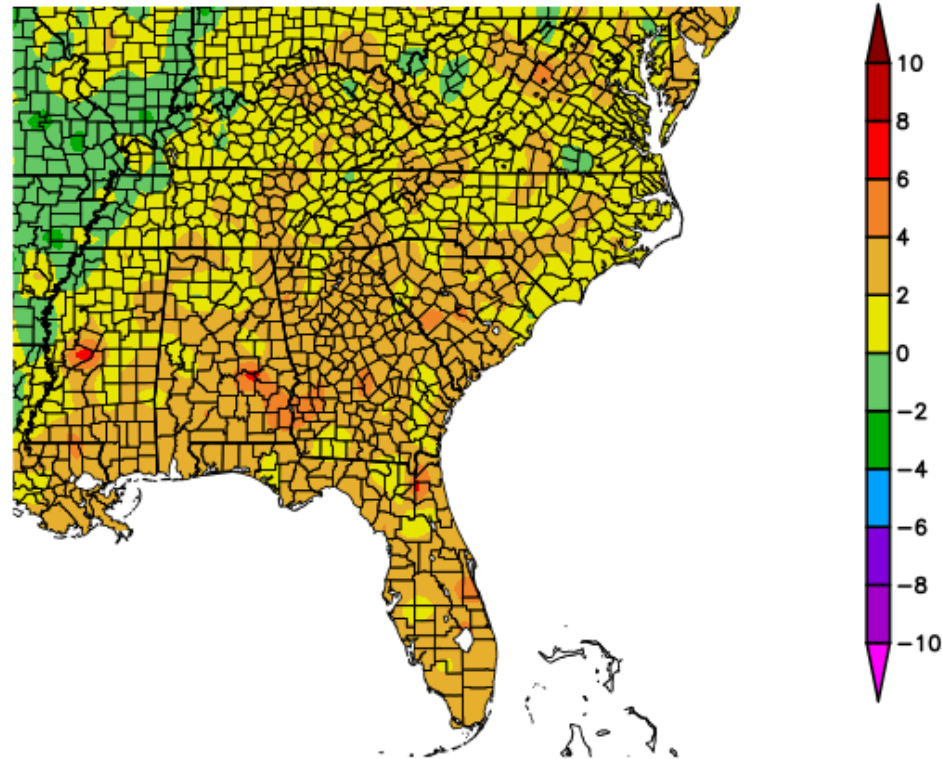


<http://mrcc.isws.illinois.edu/CLIMATE/Station/Monthly/StnNormsExtremesChart.jsp>



# Where are we now?

Departure from Normal Temperature (F)  
1/1/2018 – 3/6/2018



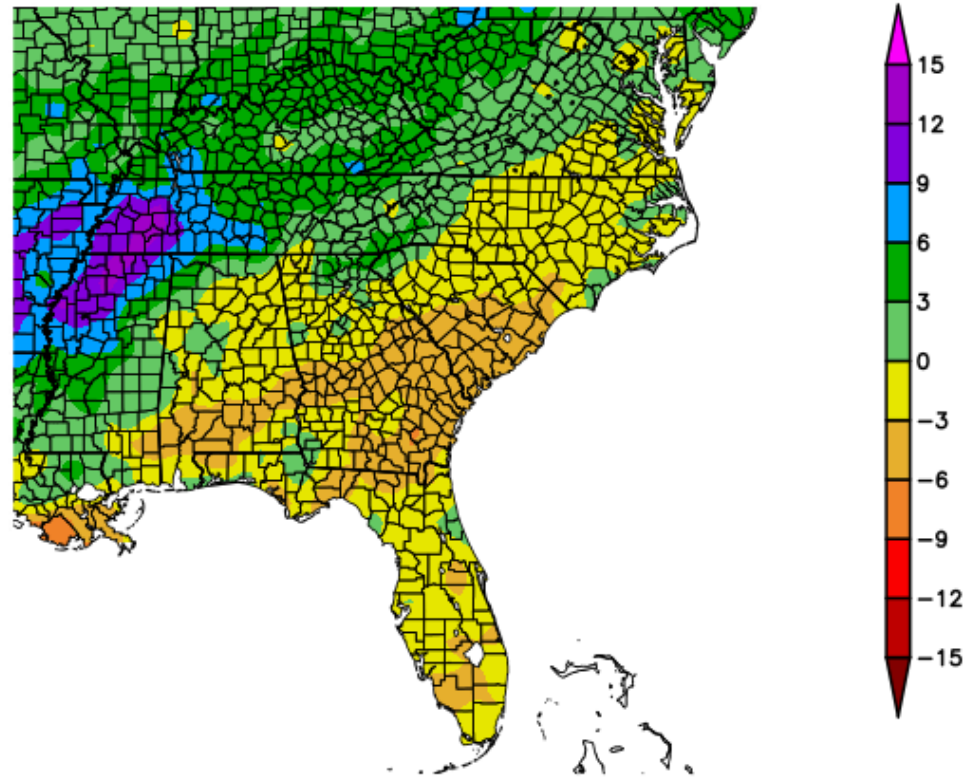
Generated 3/7/2018 at HPRCC using provisional data.

NOAA Regional Climate Centers

<https://hprcc.unl.edu/maps.php?map=ACISClimateMaps>

# Where are we now?

Departure from Normal Precipitation (in)  
1/1/2018 – 3/6/2018

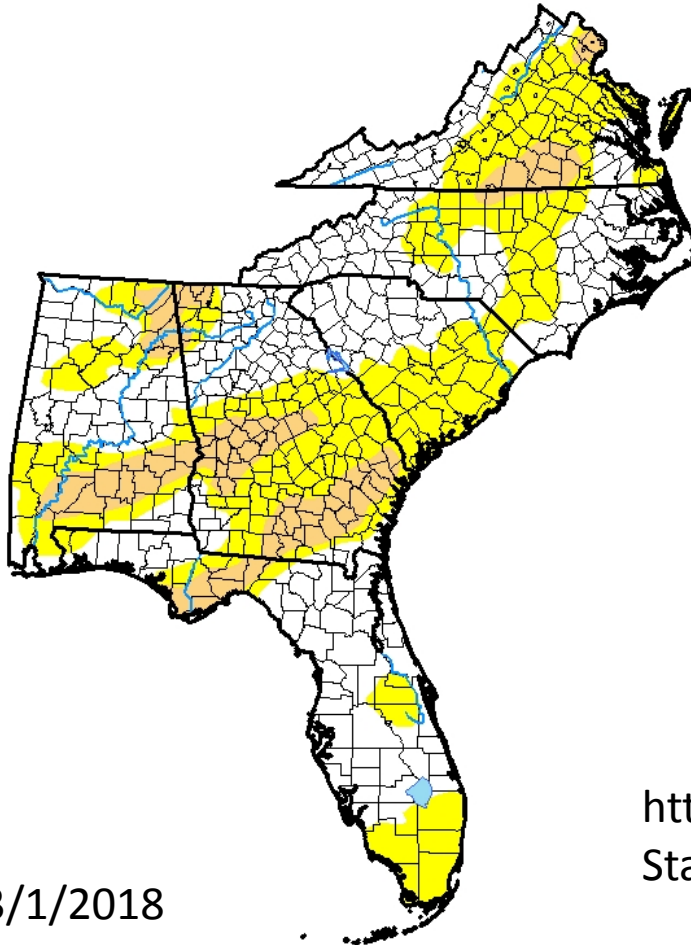


Generated 3/7/2018 at HPRCC using provisional data.

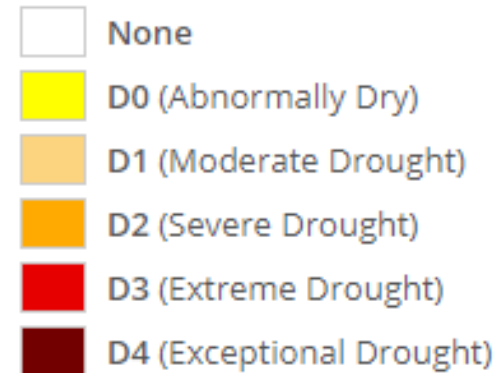
NOAA Regional Climate Centers

<https://hprcc.unl.edu/maps.php?map=ACISClimateMaps>

# Where are we now?



## Intensity:

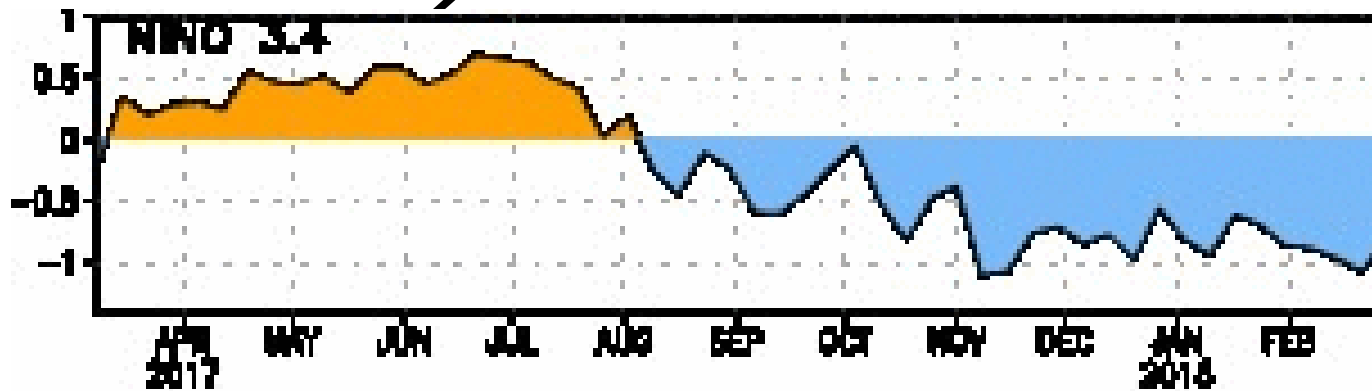
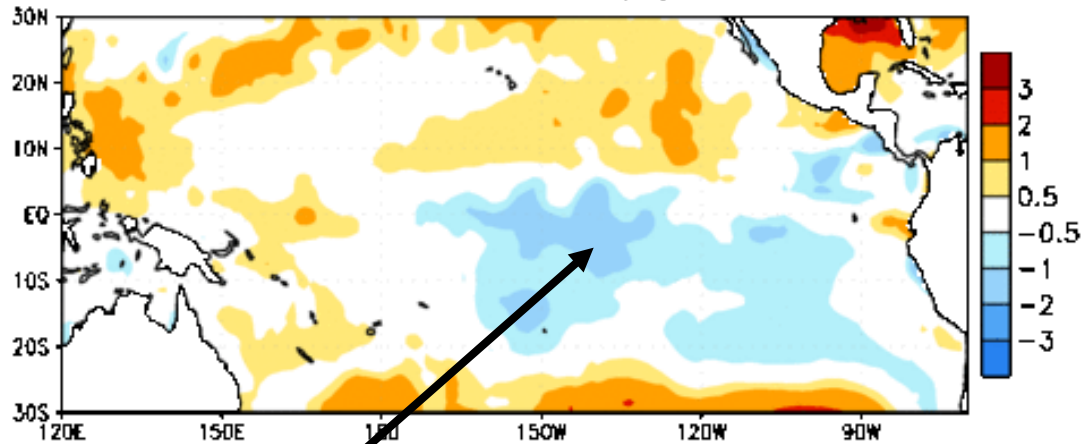


As of 3/1/2018

<http://droughtmonitor.unl.edu/CurrentMap/StateDroughtMonitor.aspx?Southeast>

# La Niña is at peak and will decline

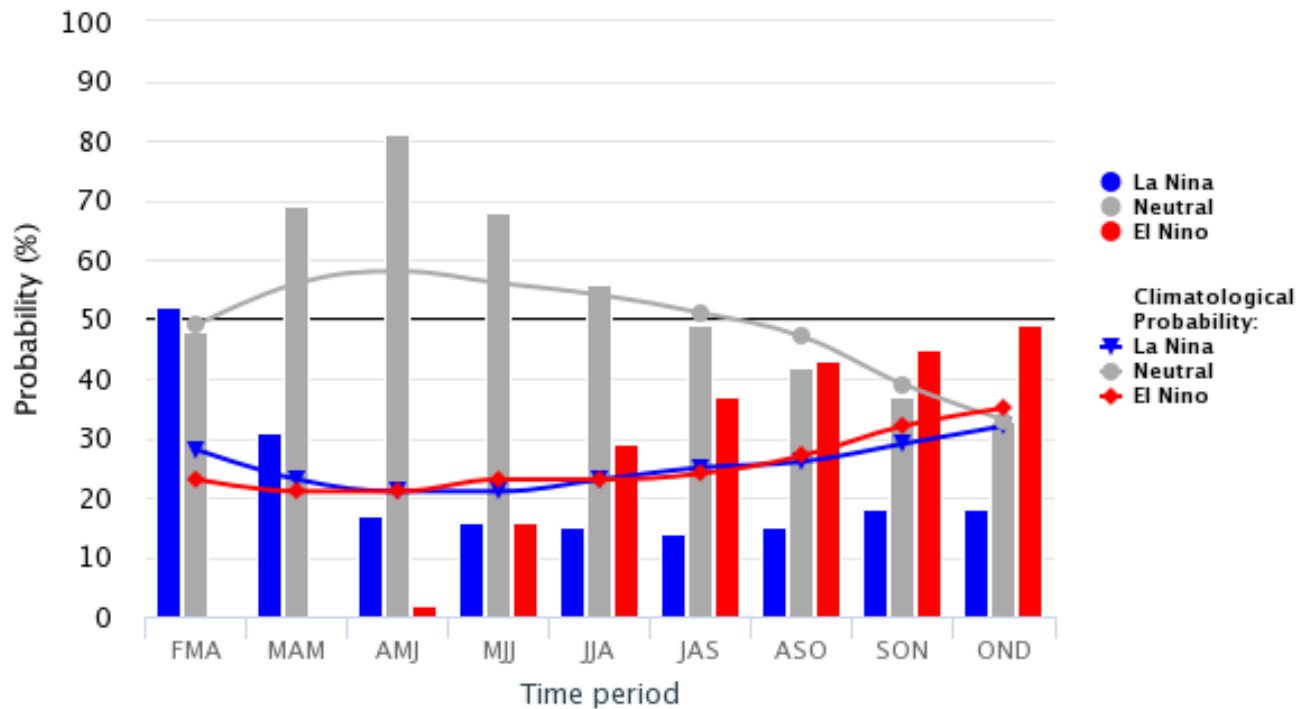
Week centered on 28 FEB 2018  
SST Anomalies (°C)



# La Niña is expected to be done by mid-spring

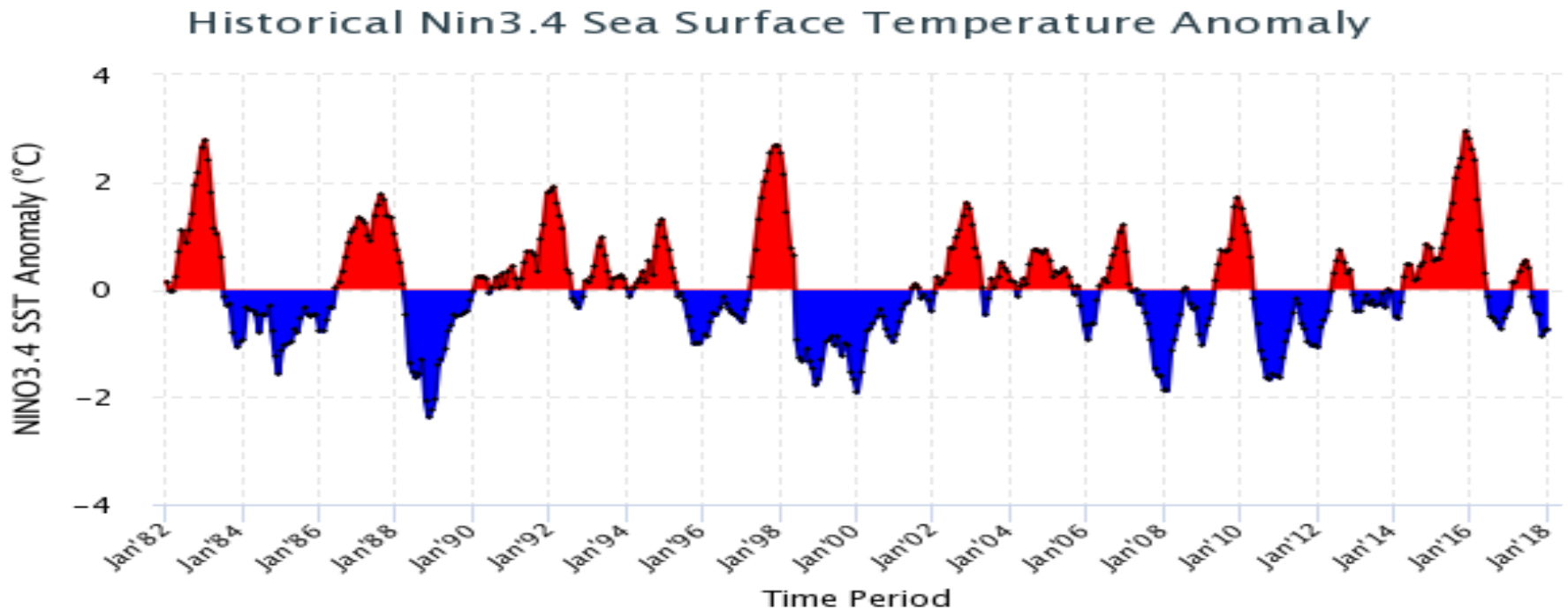
## Mid-Feb IRI/CPC Model-Based Probabilistic ENSO Forecasts

ENSO state based on NINO3.4 SST Anomaly  
Neutral ENSO: -0.5 °C to 0.5 °C



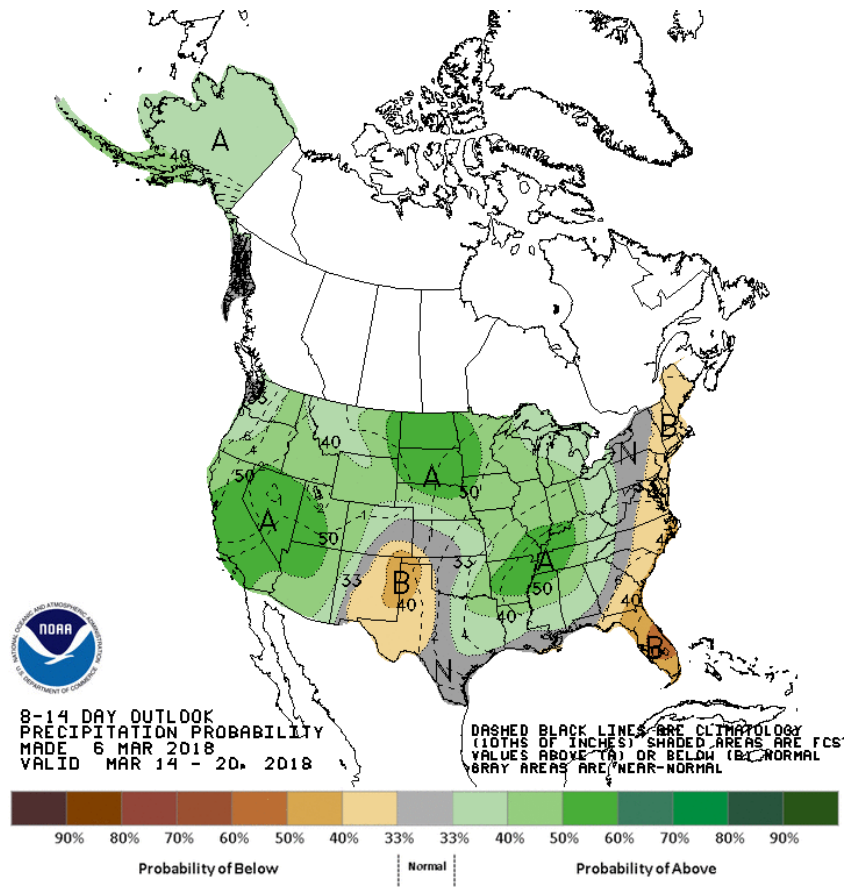
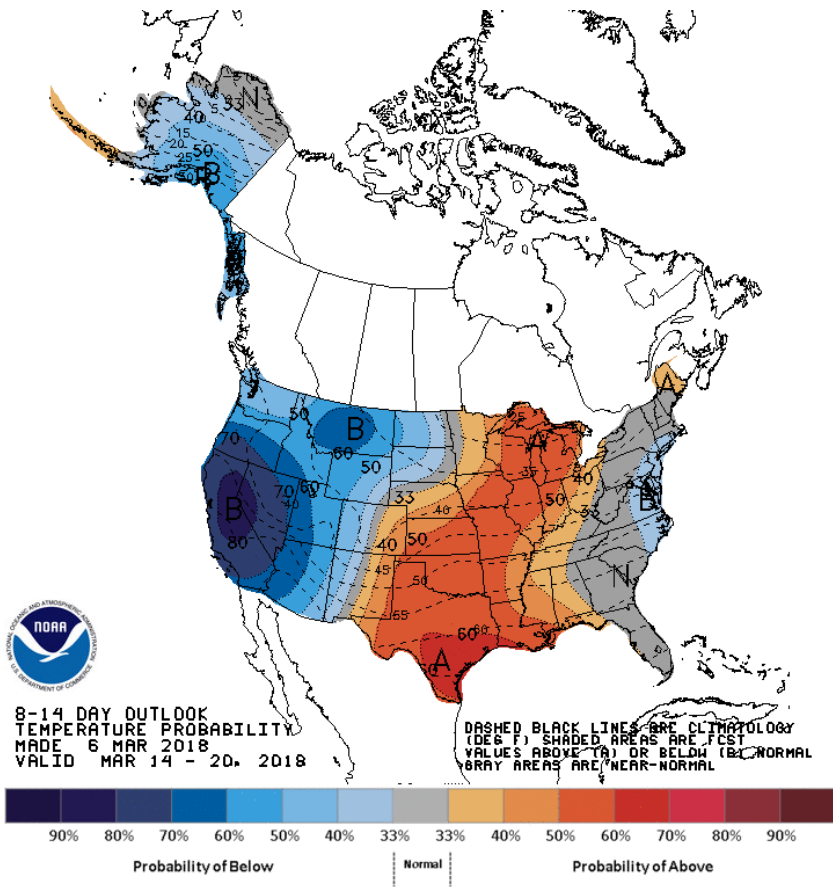
<https://iri.columbia.edu/our-expertise/climate/forecasts/enso/current-2/>

Recent research shows that in the 2<sup>nd</sup> year of a “double-dip” La Niña, parts of the Southeast may be drier than the first year (esp. TN Valley)



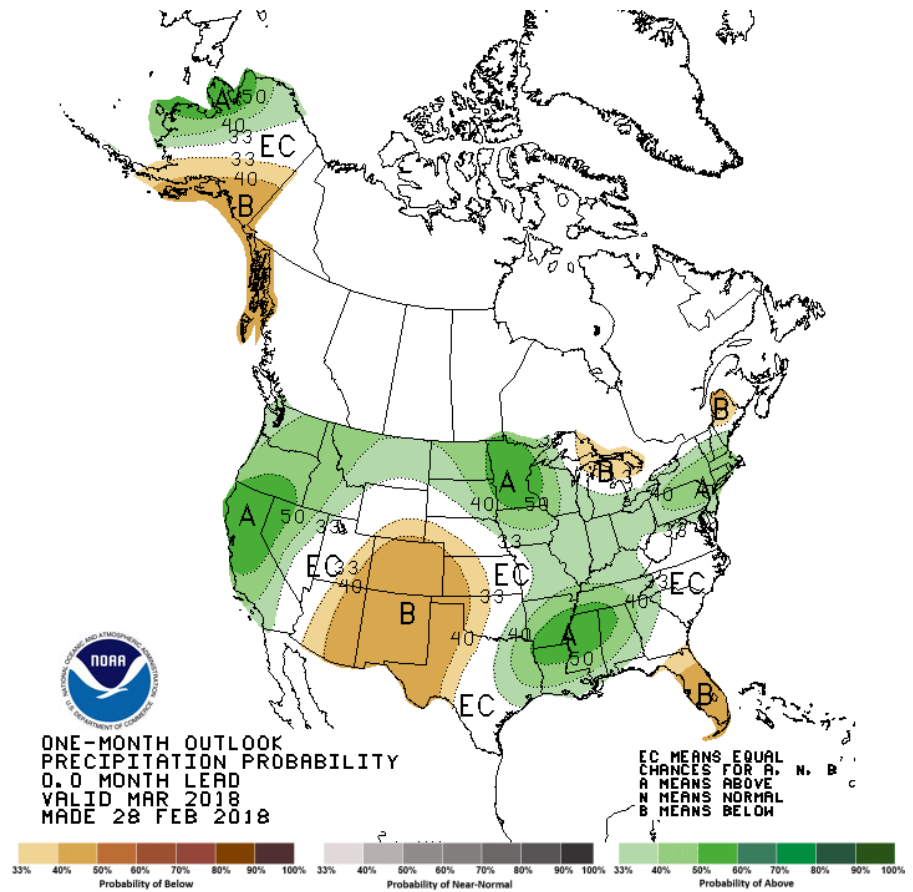
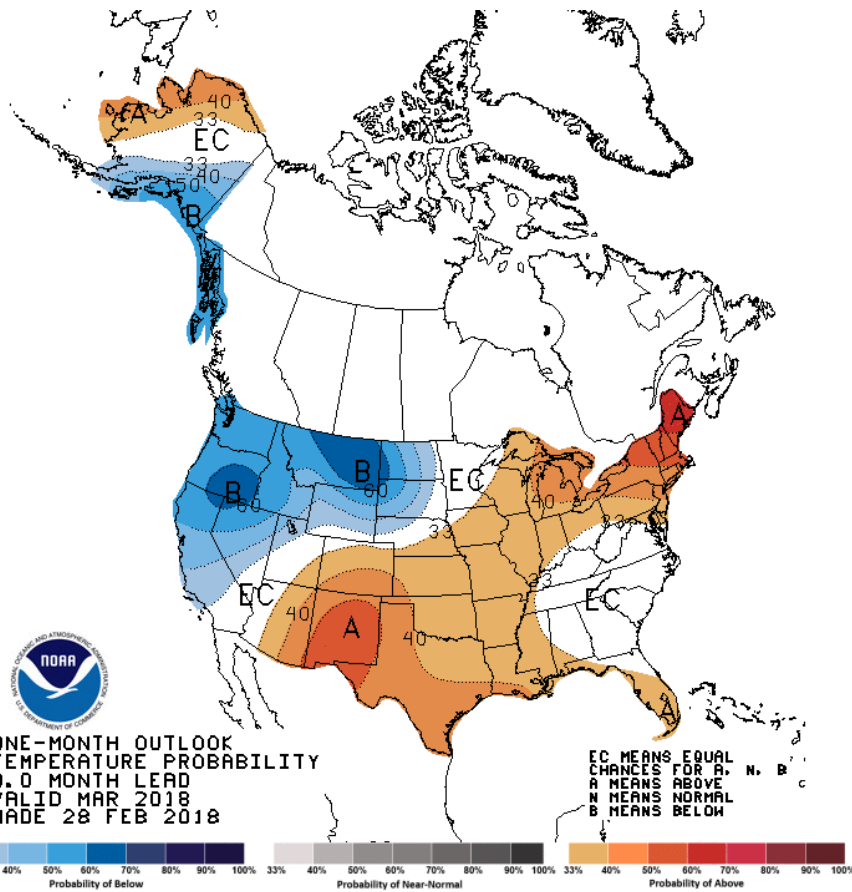
<https://iri.columbia.edu/our-expertise/climate/forecasts/enso/current-2/>

# Outlook for days 8-14



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

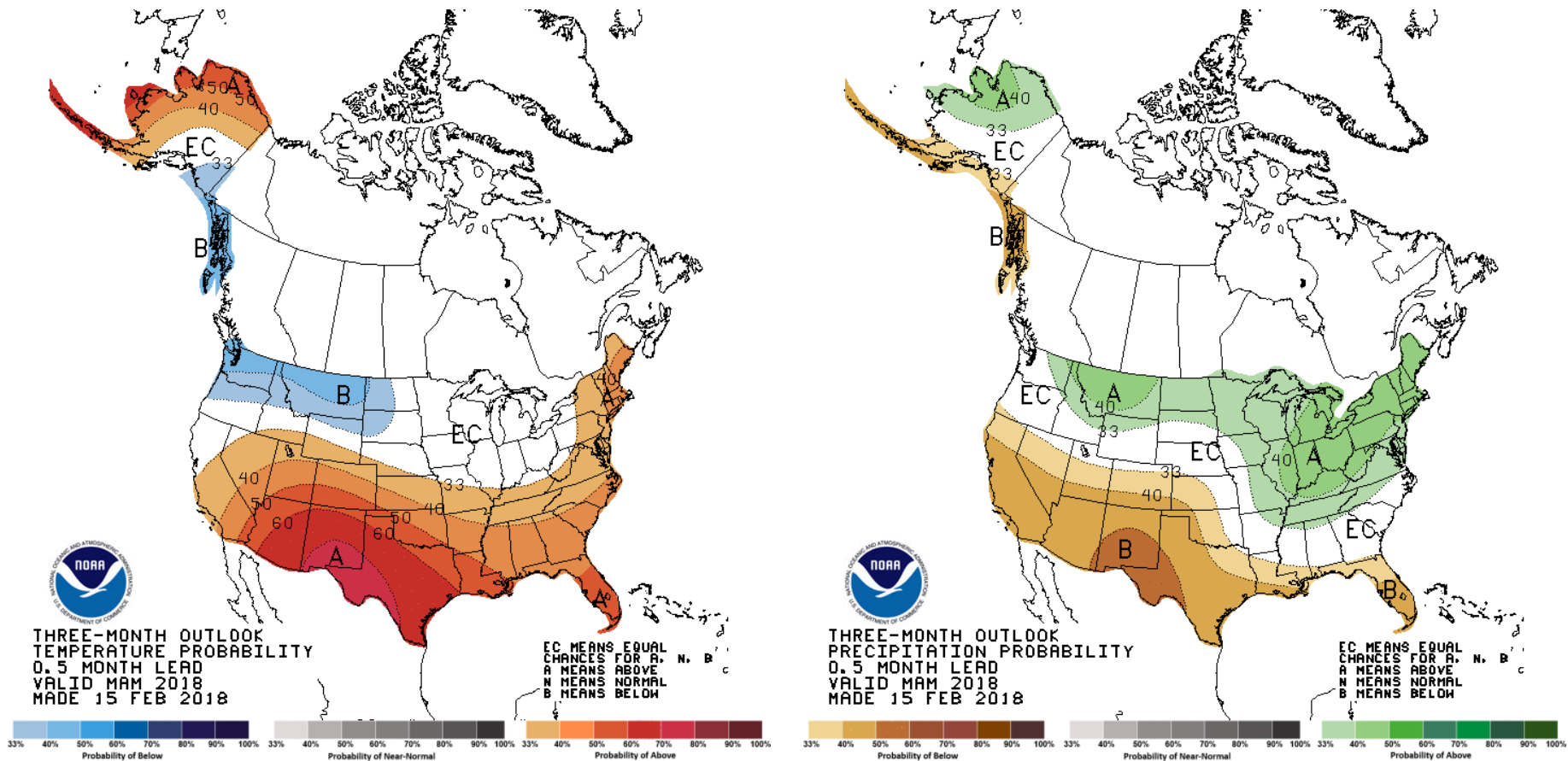
# Outlook for March 2018



<http://www.cpc.noaa.gov/products/predictions/30day/>

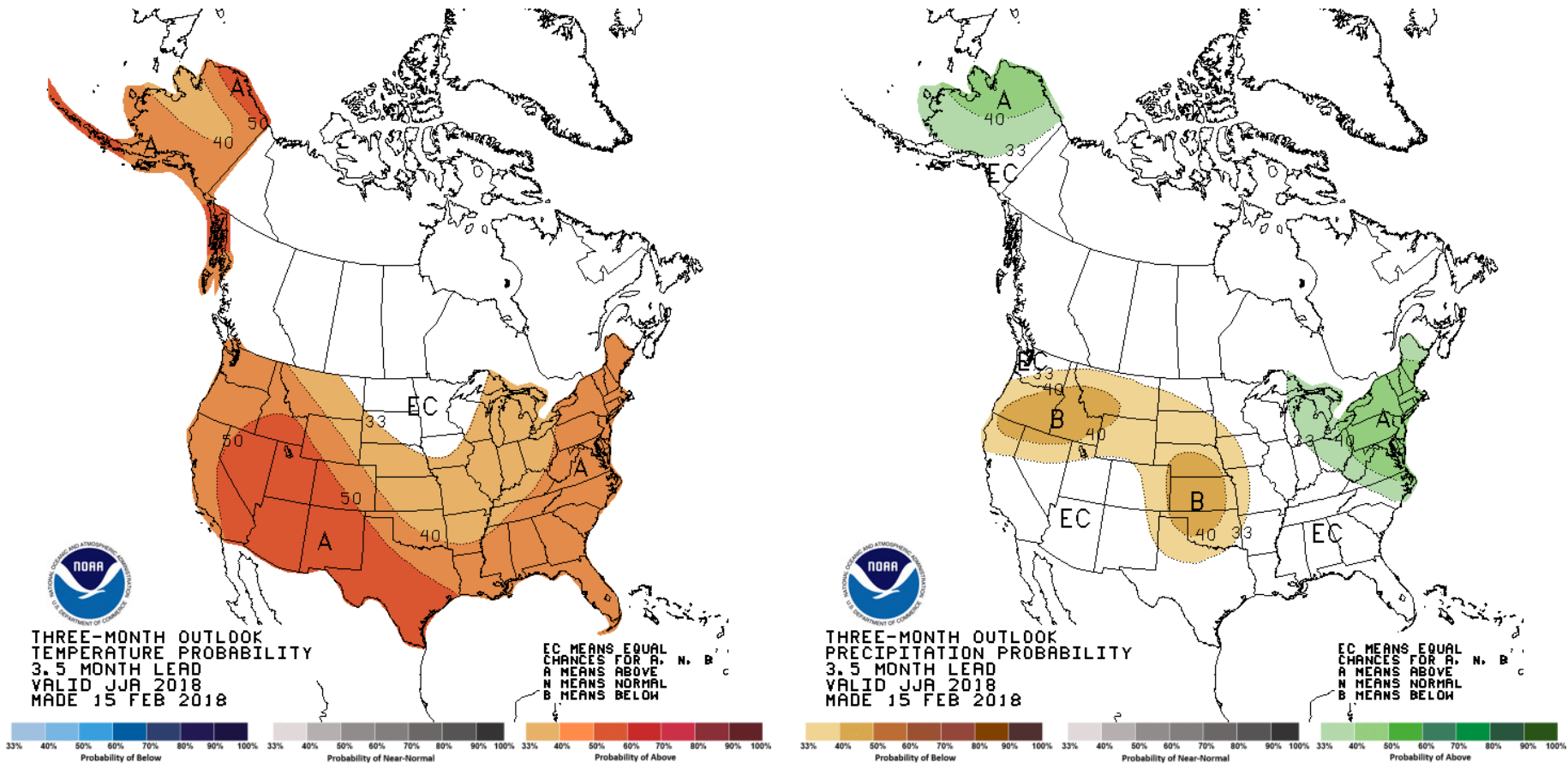


# Outlook for March-May 2018



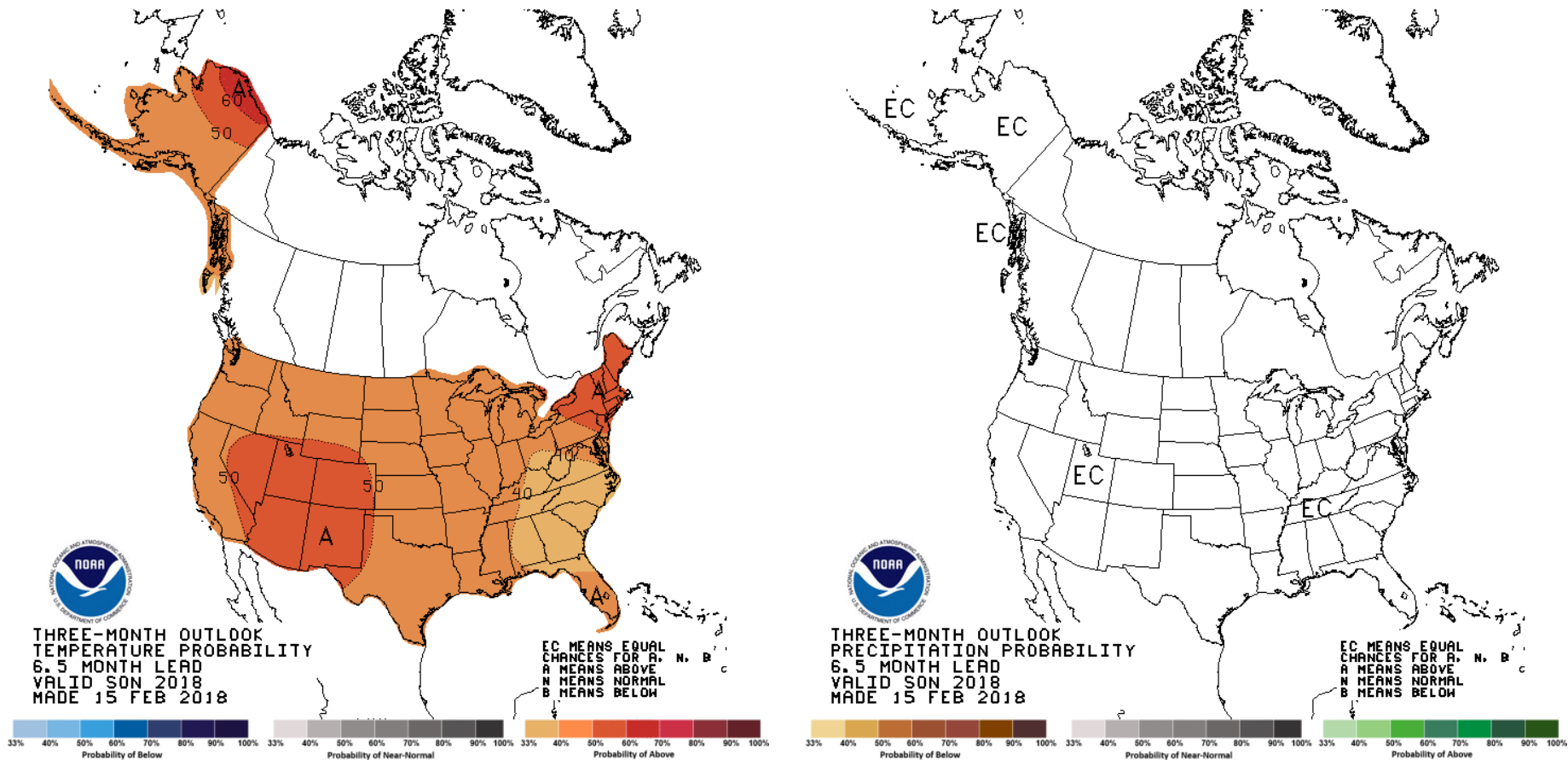
[http://www.cpc.noaa.gov/products/predictions/long\\_range/](http://www.cpc.noaa.gov/products/predictions/long_range/)

# Outlook for June-August 2018



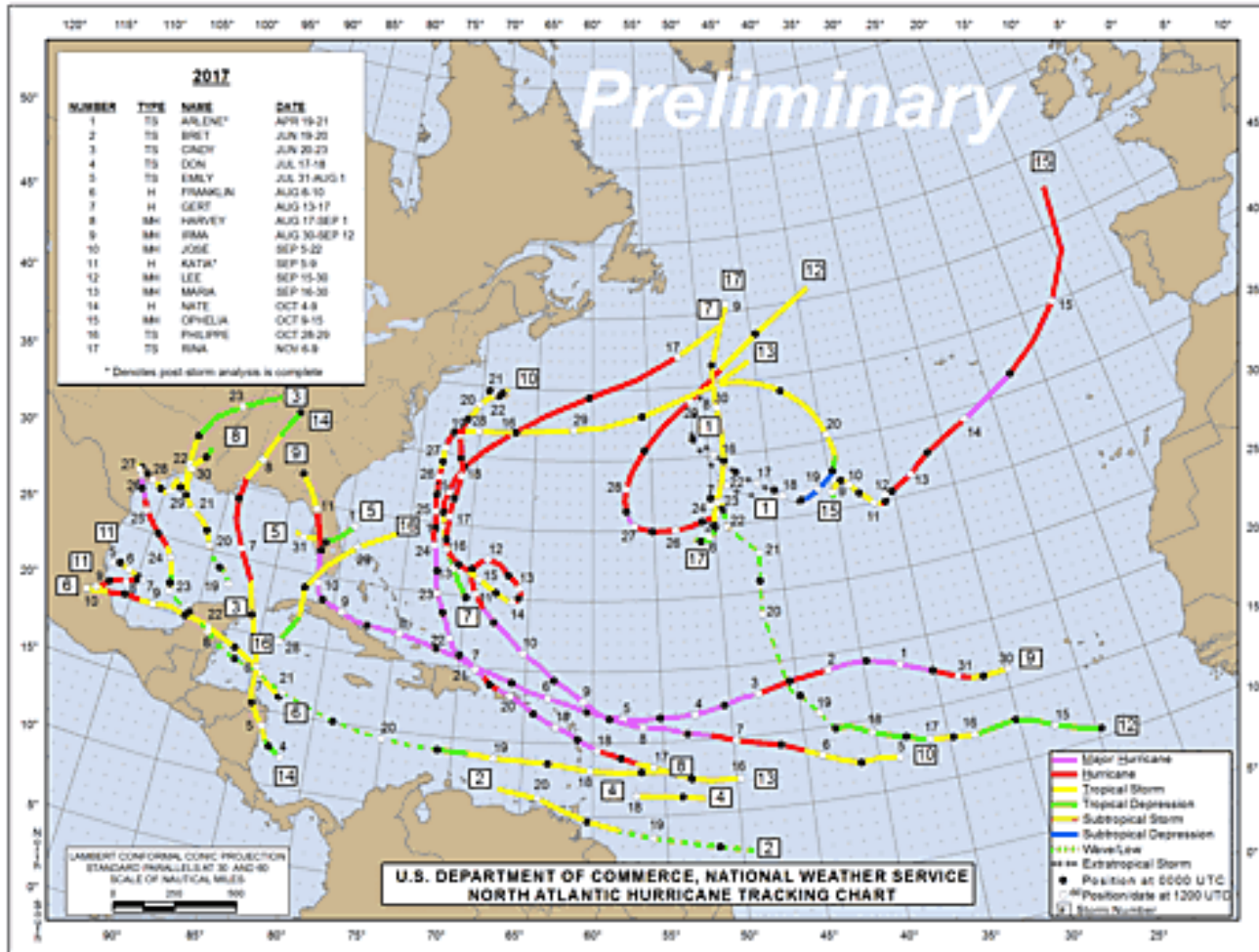
[http://www.cpc.noaa.gov/products/predictions/long\\_range/](http://www.cpc.noaa.gov/products/predictions/long_range/)

# Outlook for September-November 2018



[http://www.cpc.noaa.gov/products/predictions/long\\_range/](http://www.cpc.noaa.gov/products/predictions/long_range/)

# What about the tropics?



<https://www.nhc.noaa.gov/data/tcr/>

# Forecast for 2018 Growing Season

- Dry conditions will decrease short-term
- We are seeing a return to colder conditions in March but it may not last to the end of the month
- Drought is likely to return this summer
- Atlantic tropical season will be active again, but we don't know where the storms will go

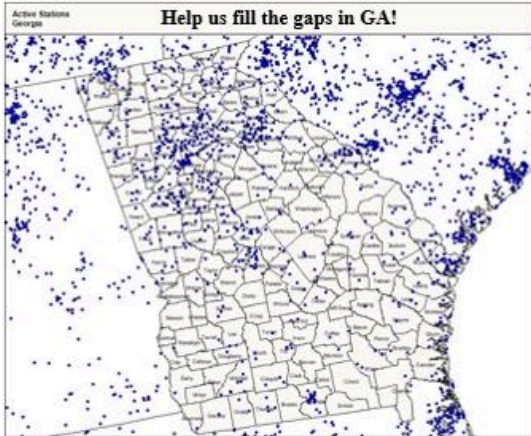
# What it means for hay and forage

- Take advantage of spring moisture to get pastures established
- Be prepared for dry conditions starting in early to mid-summer reducing yields and increasing pests
- Keep an eye on the tropics from June on to make sure you avoid big rain events for drying

CoCoRaHS March Madness 2018

March 1–31, 2018

How many new volunteers can you recruit in your state?



Are you interested in weather?

Would you like to be part of the largest group of weather observers in the USA?

For less than \$30 you can be part of CoCoRaHS.

Strange name – awesome program!

You can help report rain and snow for your county or town or neighborhood. The NWS uses it to help issue flood warnings and other important forecast information for YOU!

Help observe precipitation in your community!!



All you need is a simple 4" diameter plastic rain gauge!



CoCoRaHS rainfall reports are used in National Weather Service flood forecasting operations, help provide ground truth evidence for forecasters, help improve the density of observations in our after-event precipitation maps, and many other applications.

Learn more and sign up at [www.cocorahs.org](http://www.cocorahs.org)

NWS Peachtree City: [www.weather.gov/ffc](http://www.weather.gov/ffc)

# Looking for volunteer rainfall observers

Especially needed in these counties:

Lincoln  
Taliaferro  
Warren  
Glascocock  
Jefferson  
Wilkinson  
Jenkins  
Treutlen  
Tattnell

Check it out at <http://www.cocorahs.org>

# Thank you!

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*On the CASE...*

Climate and Agriculture in the South East