

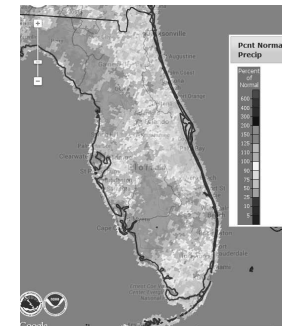
Outlook Winter/Spring 2014

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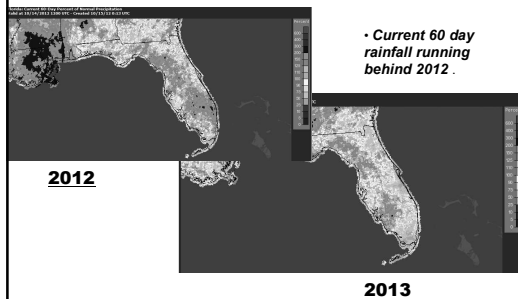
Summer 2013

- **Characterized by near normal rainfall in general.**
- **Became drier along east coast in August.**
- **Lack of tropical activity to date.**

90 Day Normalized Rainfall



60 Day Normalized Rainfall



• **Current 60 day rainfall running behind 2012.**

Current Drought Conditions

U.S. Drought Monitor

September 10, 2013

Southeast

	0.00	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00
Current	88.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Last Week	88.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1 Month Ago	88.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 Months Ago	88.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6 Months Ago	88.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1 Year Ago	88.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 Year Ago	88.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 Year Ago	88.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4 Year Ago	88.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5 Year Ago	88.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Legend:
 0.00 Drought - Extreme
 0.25 Drought - Severe
 0.50 Drought - Moderate
 0.75 Drought - Marginal
 1.00 Drought - Minimal
 1.25 Drought - Slight
 1.50 Drought - Very Slight
 1.75 Drought - Very Slight
 2.00 Drought - Very Slight

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

<http://droughtmonitor.unl.edu>



USDA
 National Oceanic and Atmospheric Administration
 National Weather Service
 Released Thursday, September 12, 2013
 Anthony Artale, NOAA/NWS/CEP/CPD

Setup Entering the Dry Season

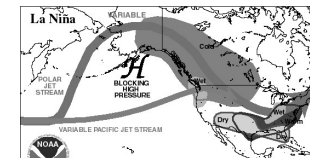
- **Summer "wet season" looks to extend into at least late September.**
- **No measurable drought conditions exist in the state currently**
- **ENSO forecast has steadily been predicting "Neutral" Autumn/ Winter El-Nino conditions**

Forecast

Temperature and rainfall forecasts for the Continental US...

- During the Fall / Winter are closely associated with water temperatures in the tropical Pacific.
- El-Nino La-Nina conditions ??

TYPICAL JANUARY-MARCH WEATHER ANOMALIES AND ATMOSPHERIC CIRCULATION DURING MODERATE TO STRONG EL NIÑO & LA NIÑA



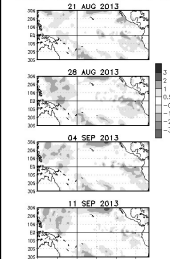
Climate Prediction Center/NCEP/NOAA

Dry season on a Florida scale...

- Rainfall events can be better anticipated. Due to likelihood of frontal passages as the main driver.
- Periods of dryness related to post cold front passages more predictable.
- More predictable winds, RH, fuel state for prescribed fire.

Weekly SST Departures (°C) for the Last Four Weeks

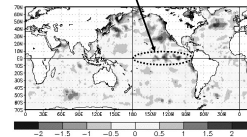
Weekly SST Anomalies (DEG C)



• During the last month, negative SST anomalies weakened in the eastern Pacific Ocean, while positive SST anomalies continued in the western Pacific Ocean.

• Over the last month, mostly positive changes in SST anomalies were observed in the eastern half of the equatorial Pacific.

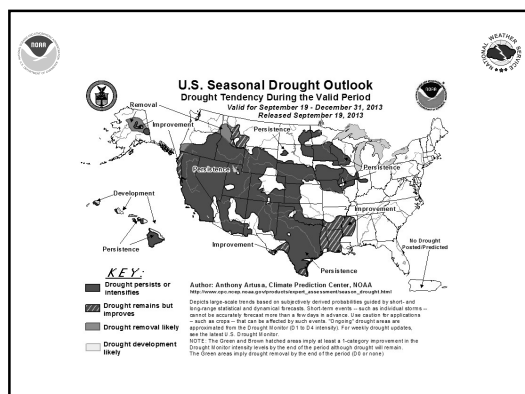
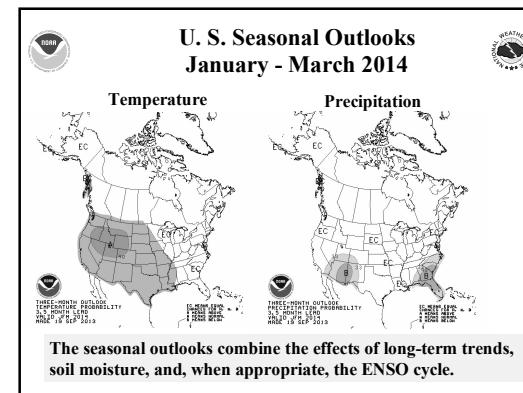
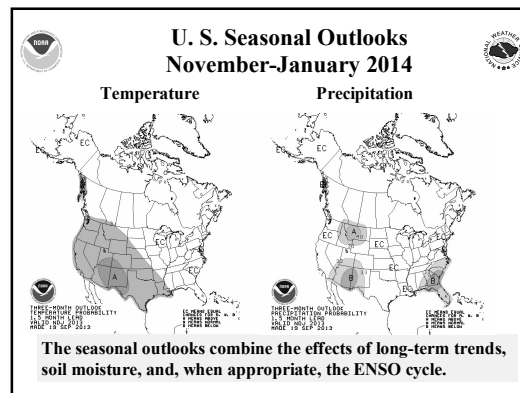
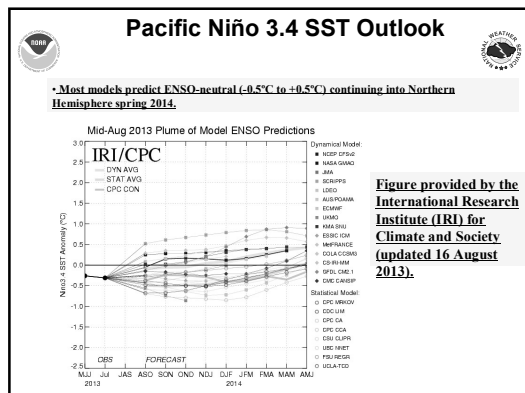
Change in Weekly SST Anoms (°C)
11SEP2013 minus 14AUG2013



Whats Ahead..?

Neutral Index readings have been occurring during Summer and are forecast to continue through Winter 2014.

Conclusion...Seasonal forecasting is low confidence without reliable signals.

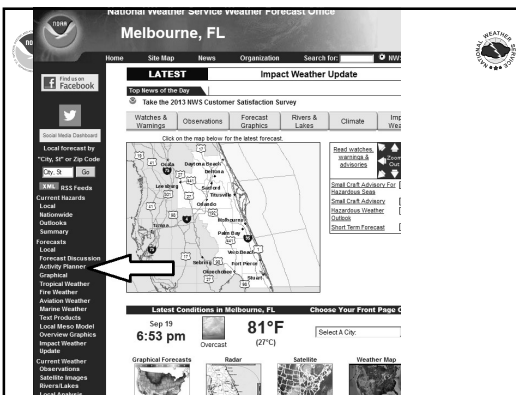


- ### Outlook
- Long lead dynamical models suggest below normal precipitation locally early in 2014 with the current ENSO forecast.
 - Overall fuel/weather conditions for wildfire will increase into March and April and especially May. Due to seasonal averages.
 - Wet season typically begins by late May or early June.

- ### Outlook
- Most critical indices associated with active fire weather during La Nina. We don't see that developing at this time
 - Wet season typically begins by late May or early June.
 - A neutral ENSO as forecast should lead to near normal onset of wet season.



- Higher sun angle and longer days (Spring)
- Onshore flow days are a big help to mitigate drying (due to water influence).
- Lightning storms will become bigger source of ignition April and into May.
- Weekends and human factors will continue to be a major problem.
- Strong wind is the most critical element in fire growth.



Weather Analysis Paper

Weather Analysis Paper: This paper is designed to help you understand the weather and its effects on the environment. You will be asked to analyze the weather data and write a report on the weather conditions and the effects on the environment.

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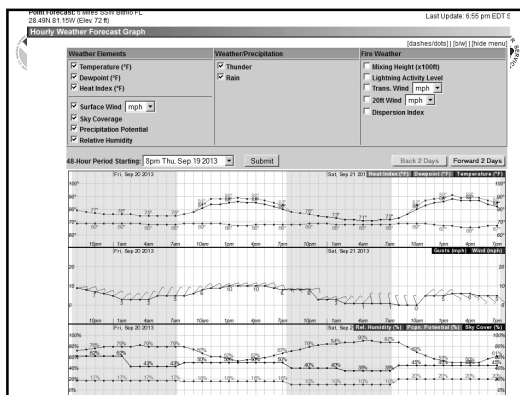
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- On-staff Mets monitor burn location for any noteworthy unanticipated conditions.
- If we feel significant you may receive a call on the provided number.
- Feel free to request update by calling us.
- Let us know how we are doing. Good / Bad.
- Feedback possible via NWSSpot or a phone call.
- Group tours are welcome 321-255-0212.



www.cpc.noaa.gov
www.drought.gov
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