

# Meteorology at the SFWMD

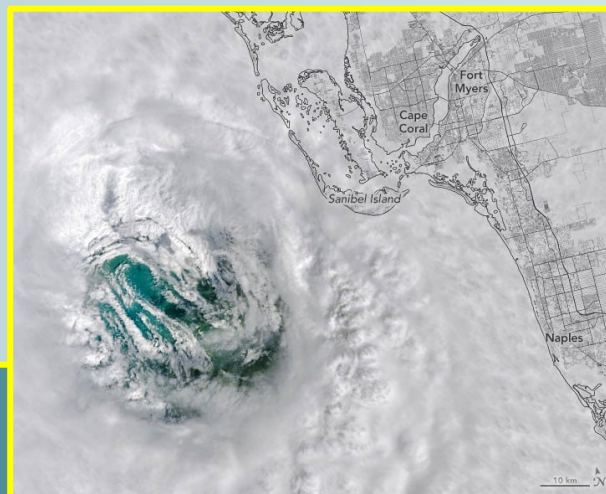
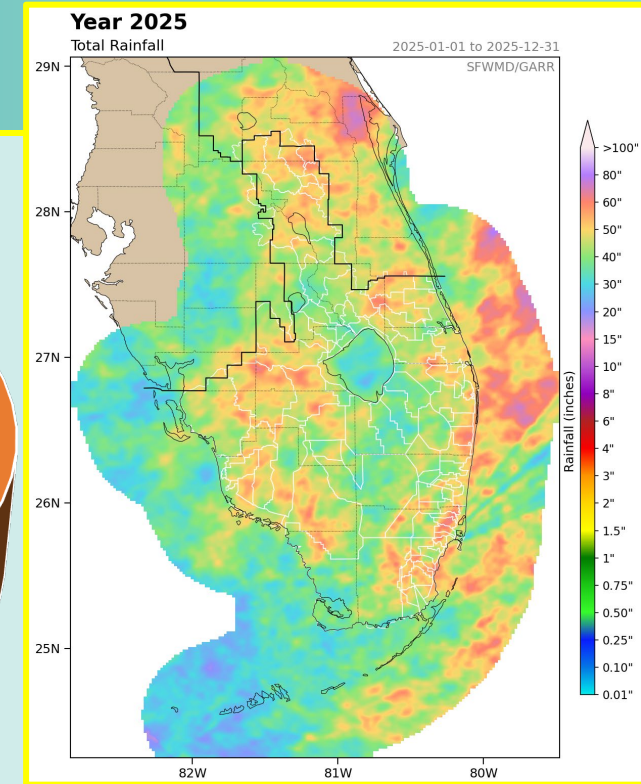
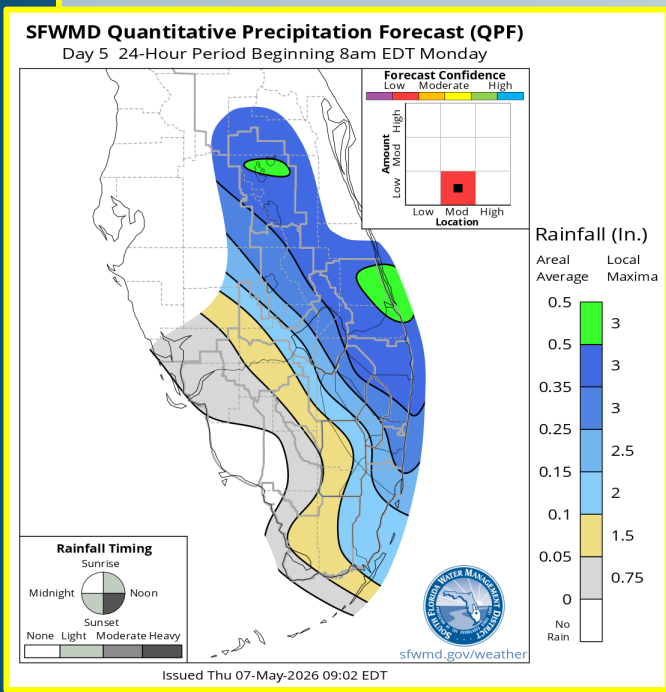
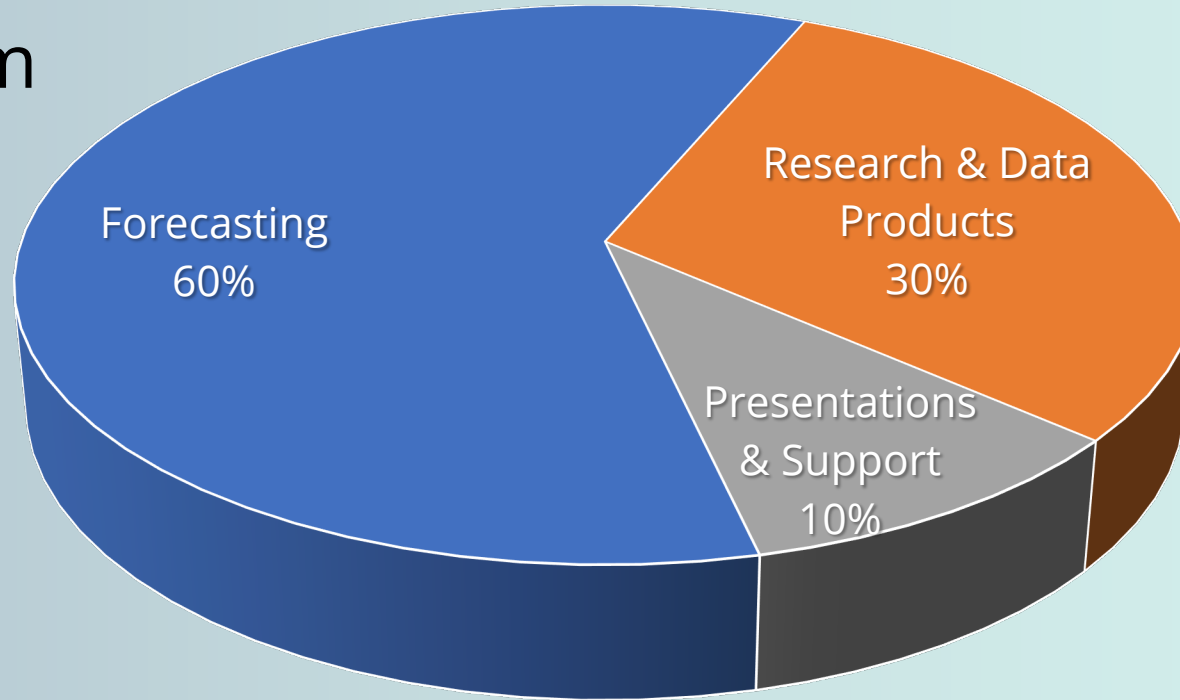
**Mark Nissenbaum**

Senior Meteorologist  
South Florida Water Management District

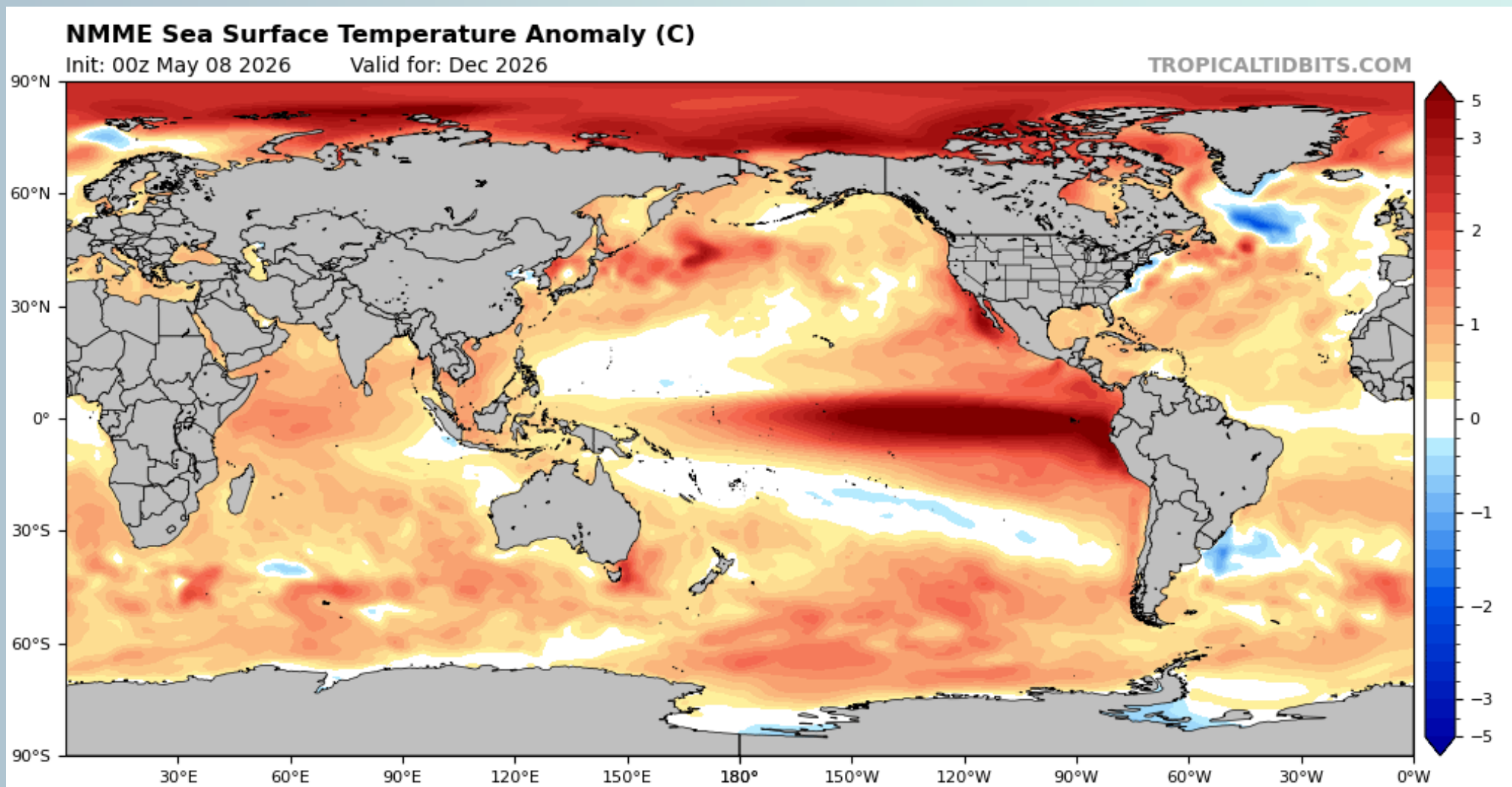
**Governor's Hurricane Conference Tour**  
11-12 May 2026

# Role of Meteorology at the SFWMD

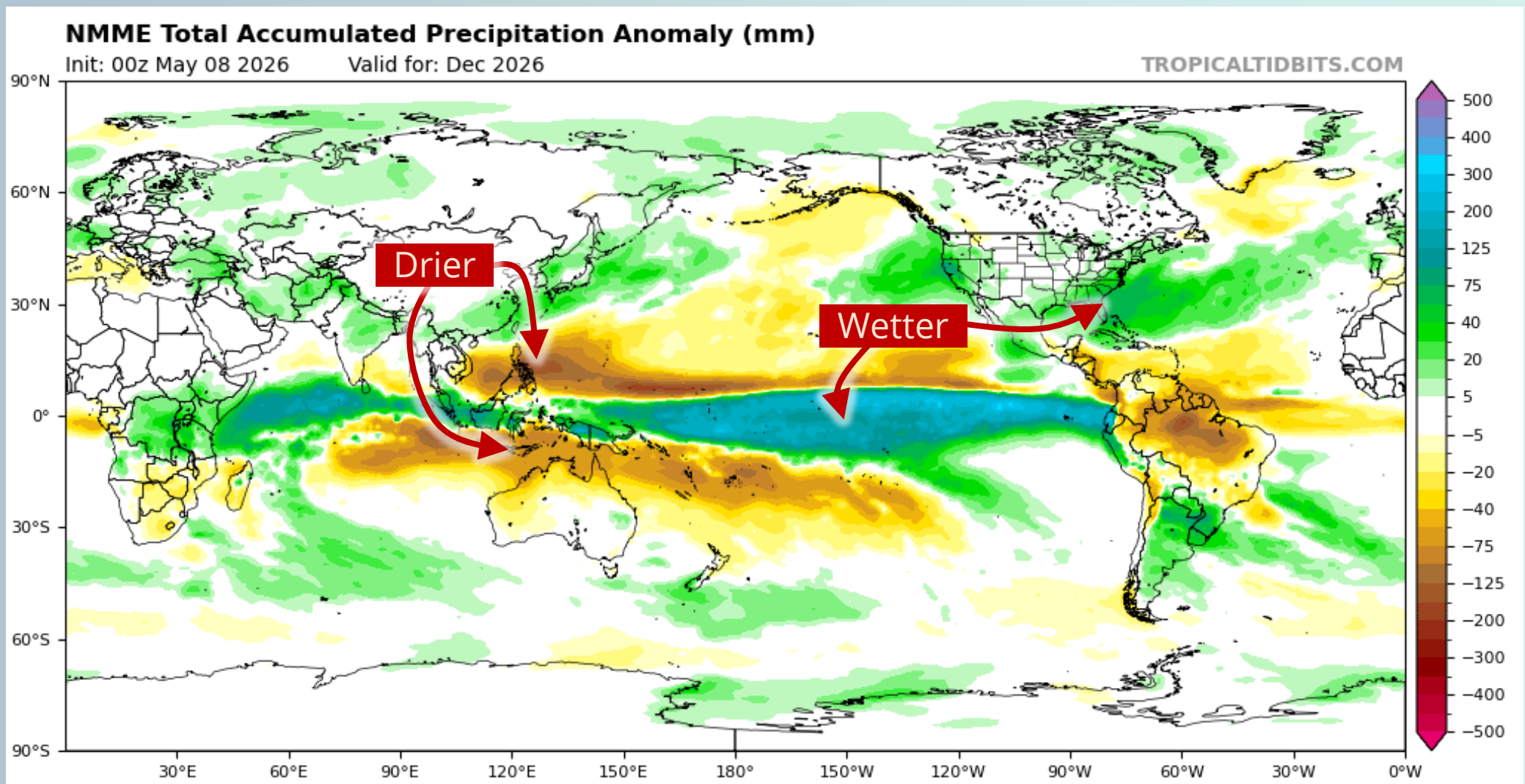
Two-person team



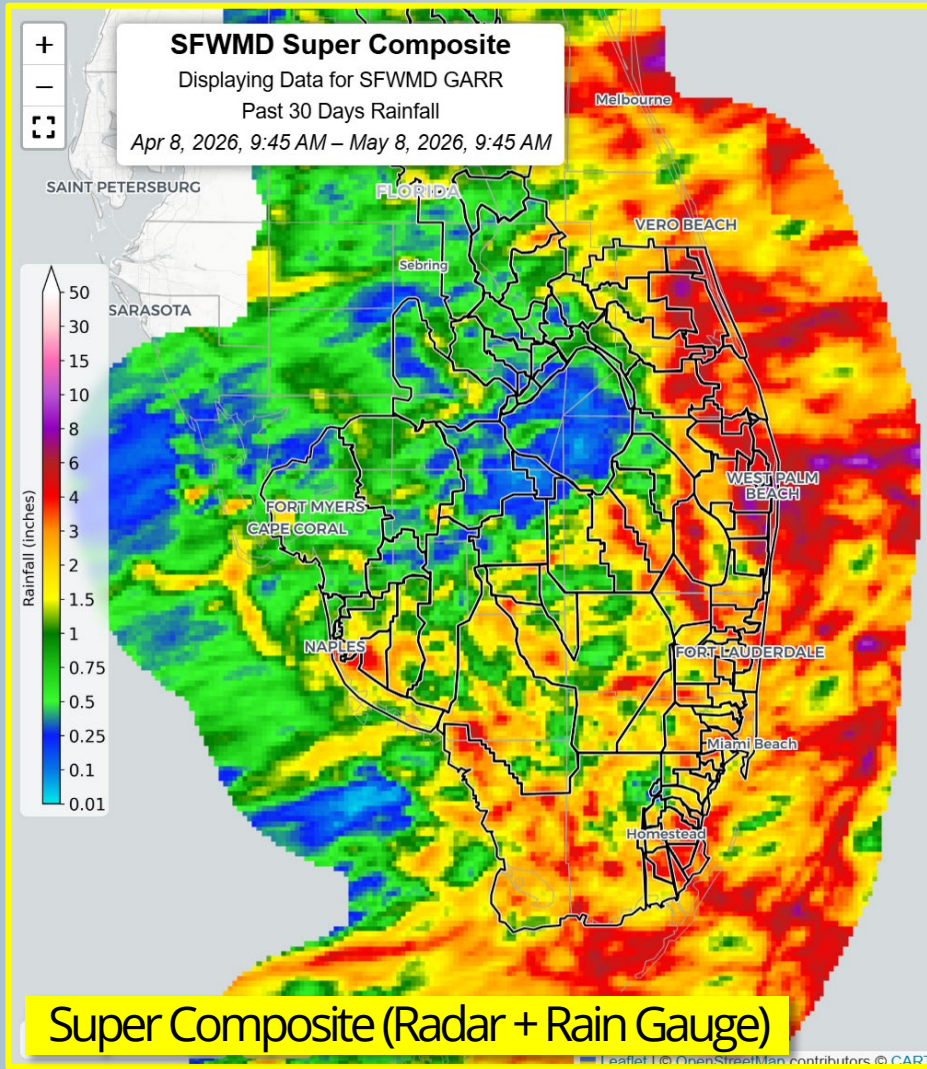
# Upcoming El Niño



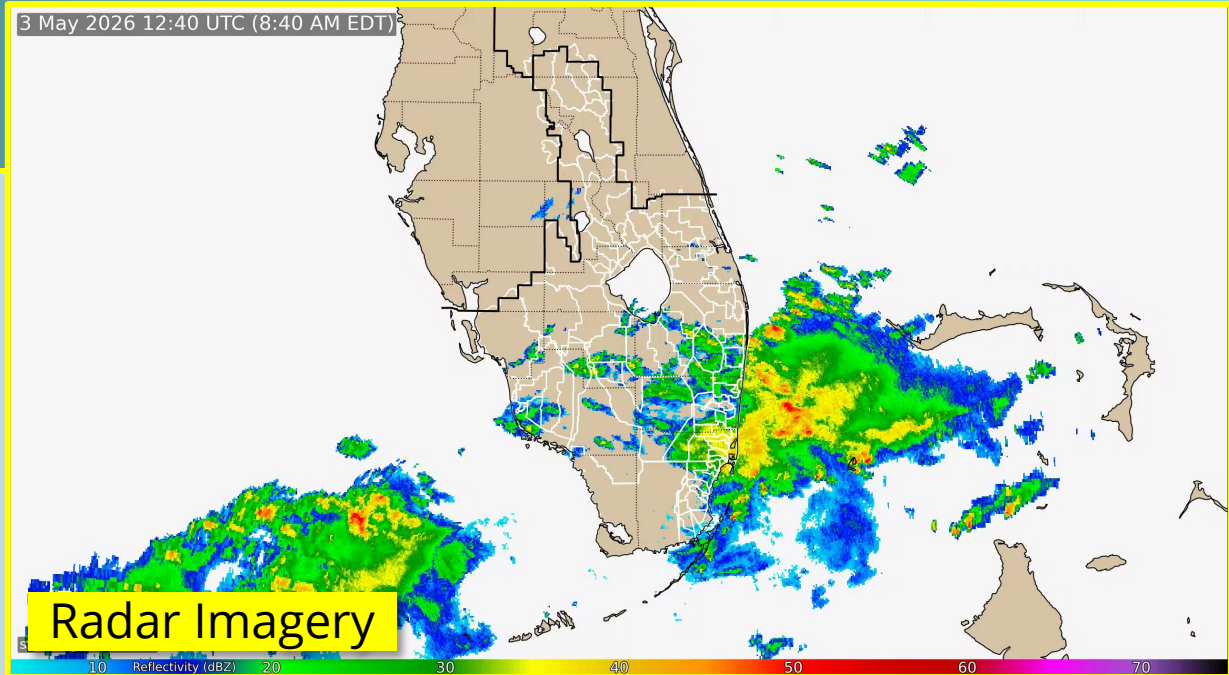
# Upcoming El Niño: Global Circulation Changes



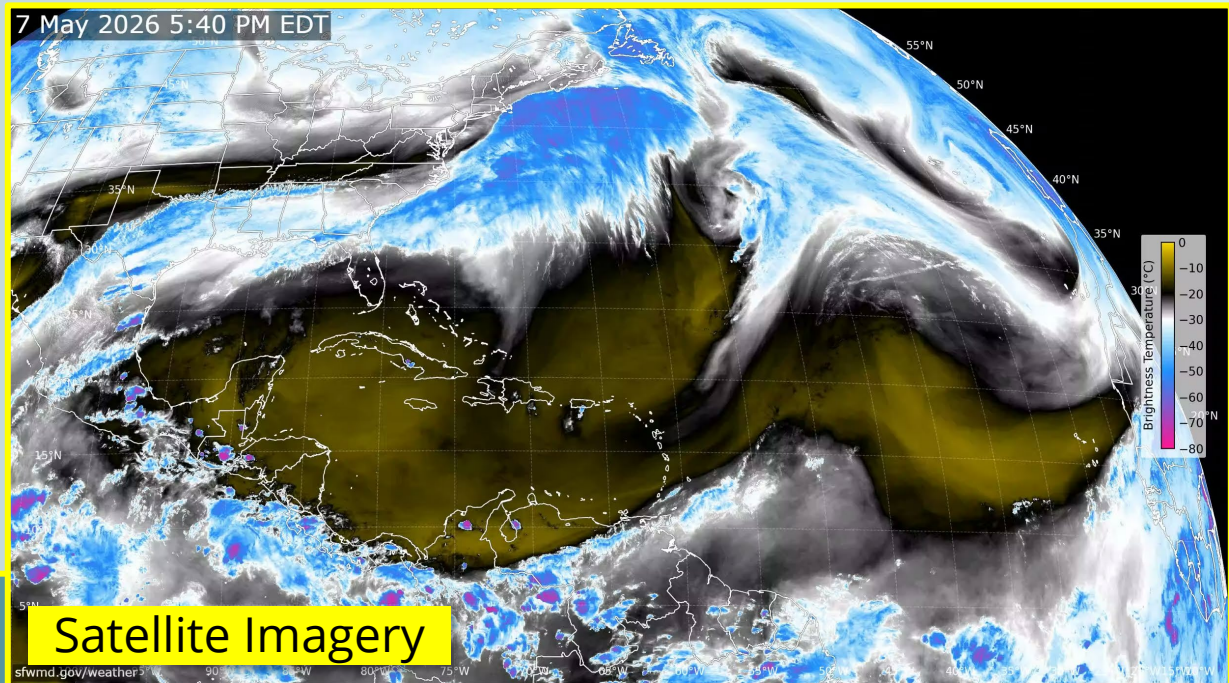
# Meteorology Products



Super Composite (Radar + Rain Gauge)



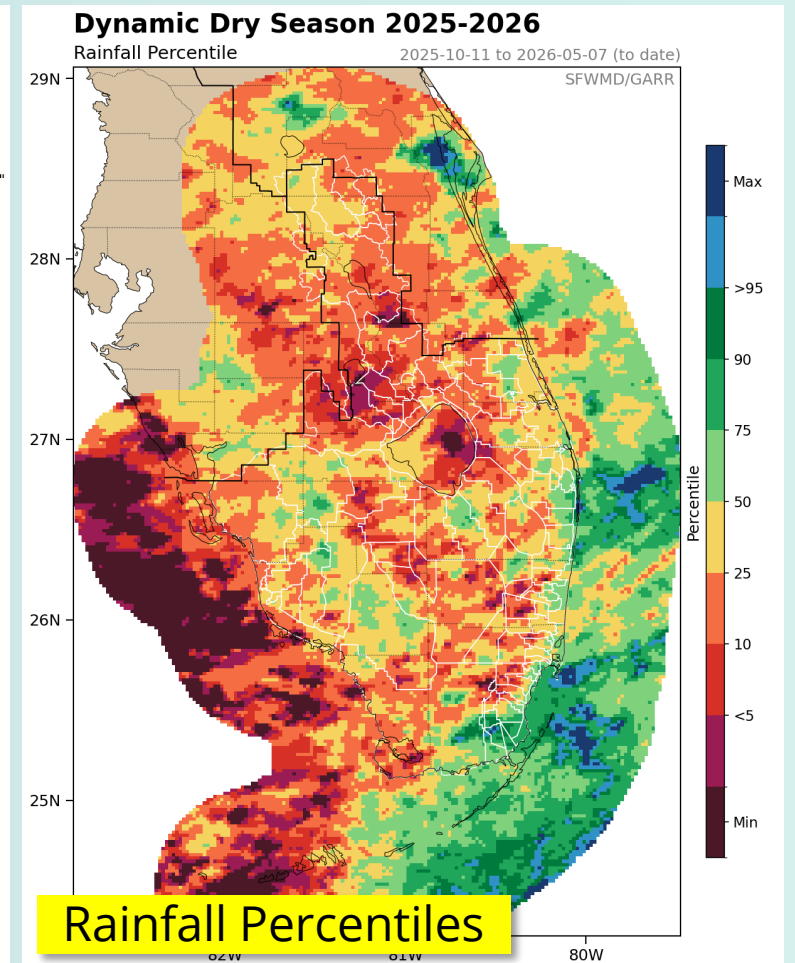
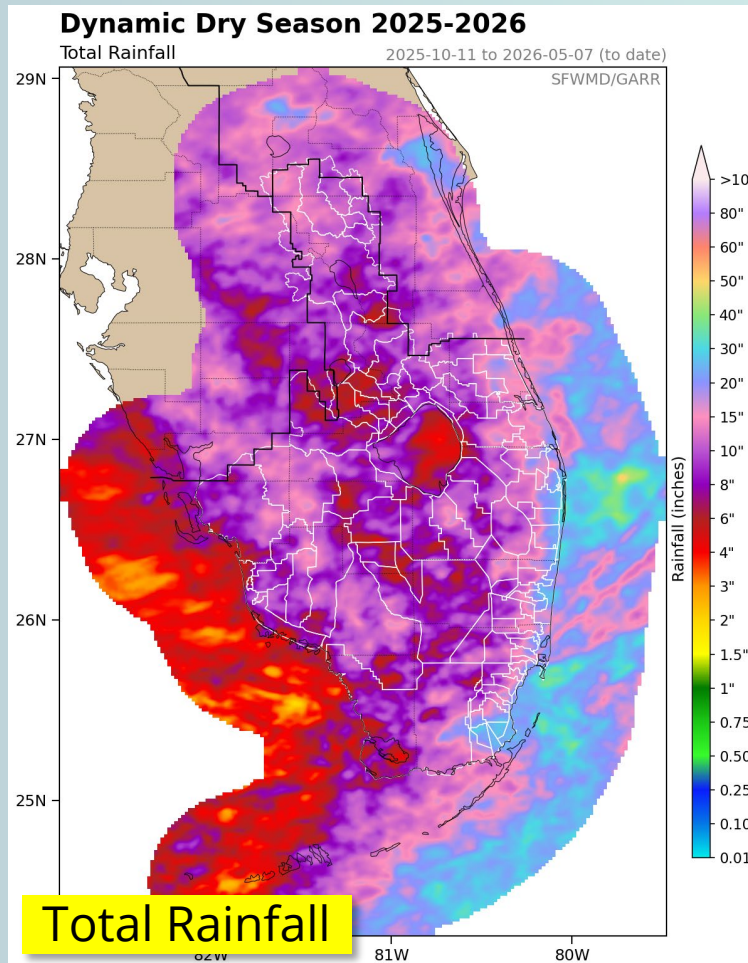
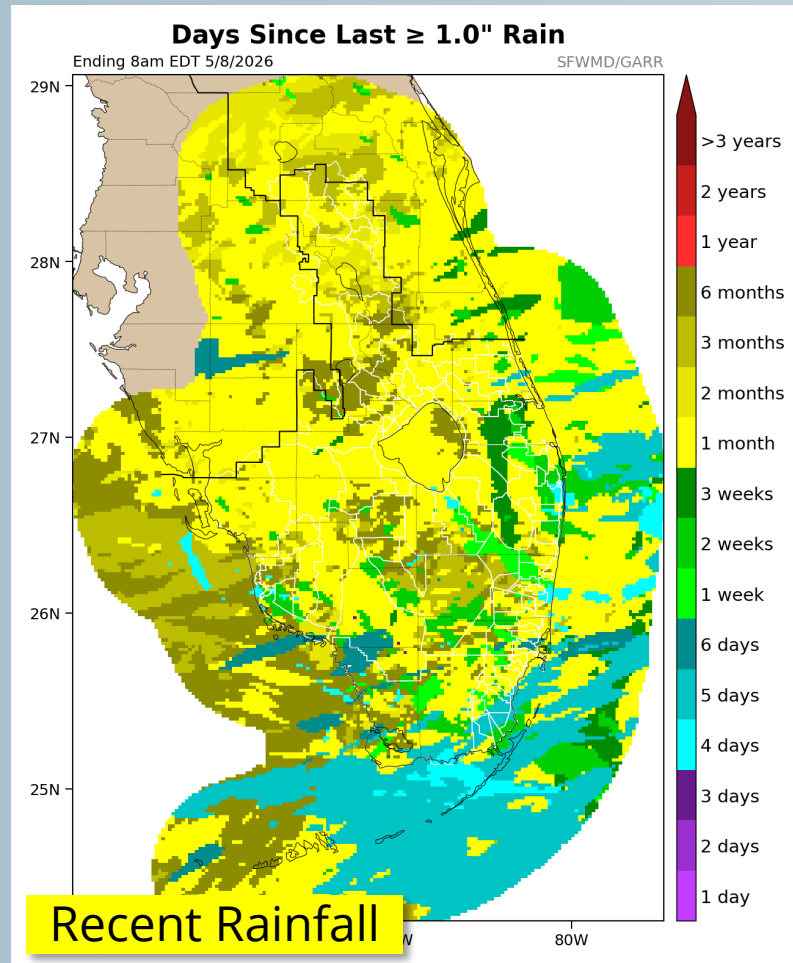
Radar Imagery



Satellite Imagery

...and more!

# Meteorology Products

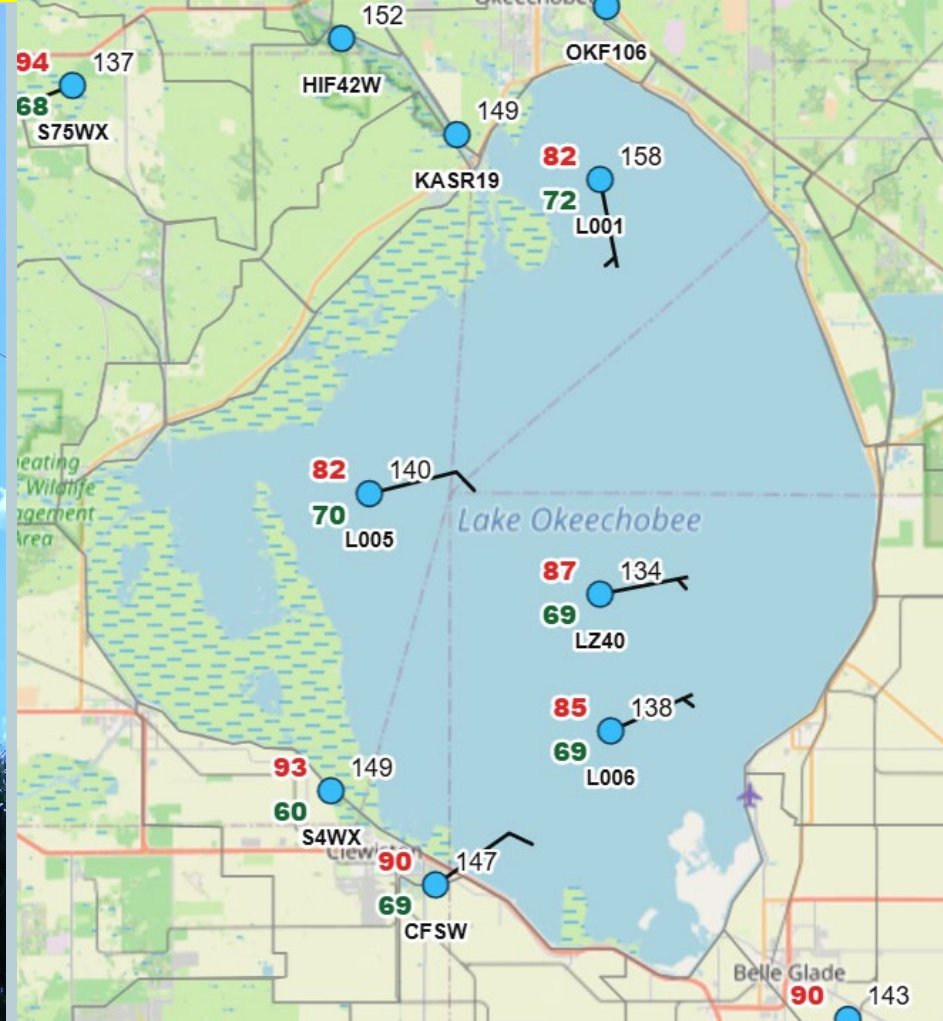


...and more!

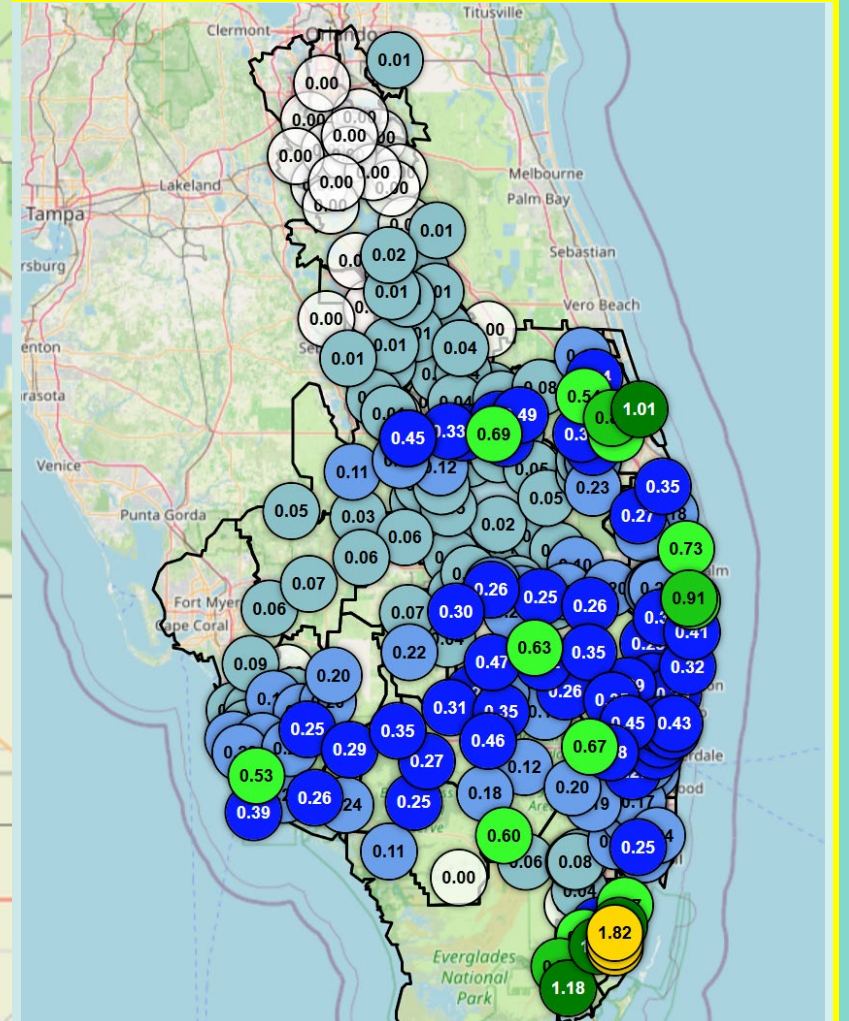
# Data Driven



Weather Station SVWX



22 Weather Stations



201 Rain Gauges

# Tipping Bucket Rain Gauge Demonstration

- How it works: A funnel collects rain, directing it into a small see-saw container that tips and empties, triggering a count.
- 1 tip = 0.01" of rain
- Question: A WeatherSTEM tipping bucket gauge at Fort Lauderdale measured **25.91"** of rain on 12 April 2023.  
How many tips did it complete?

A) 259.1 tips

B) 2,591 tips

C) 25,610 tips



The End

Question & Answer