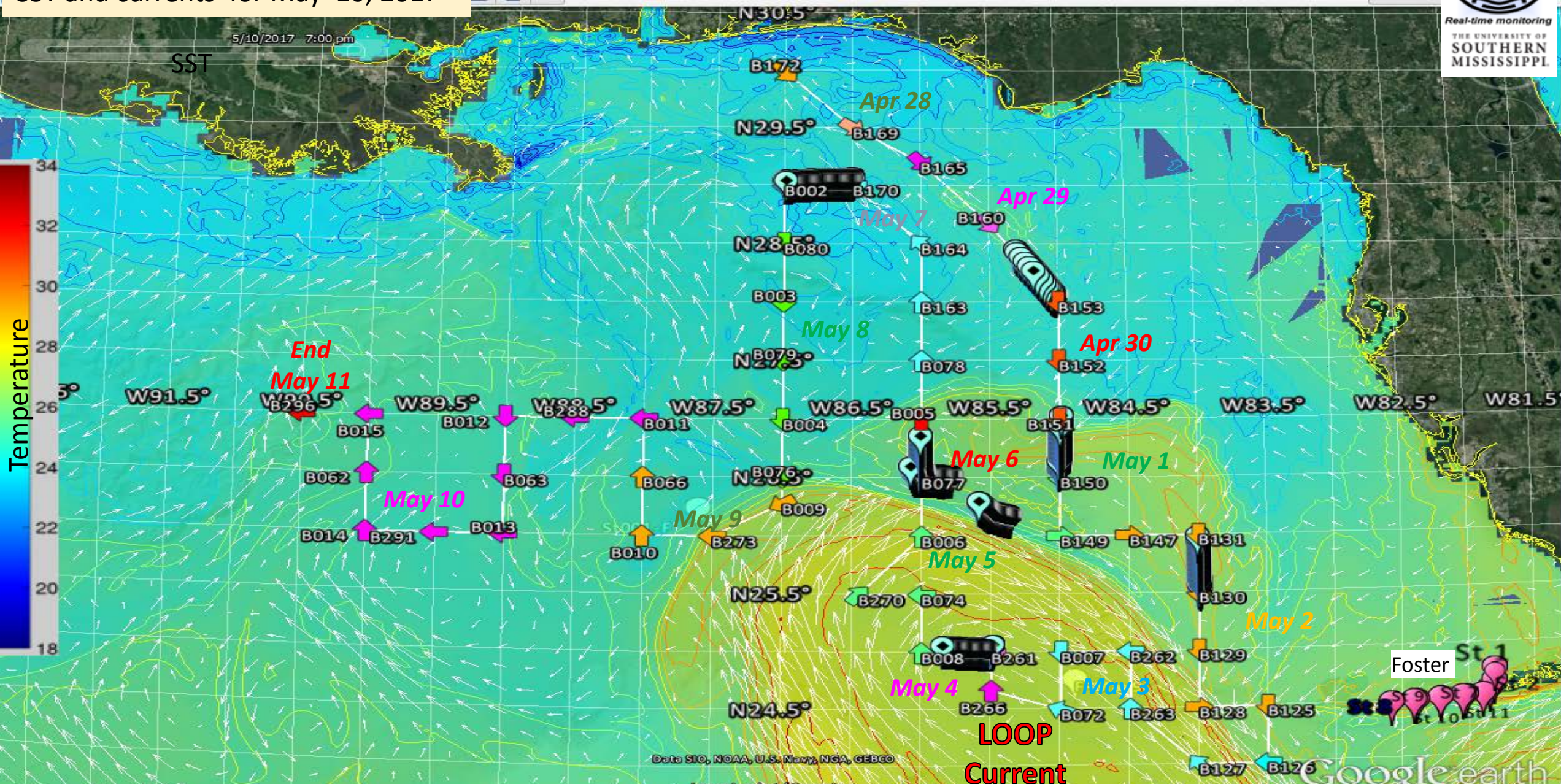




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SST and currents for May 10, 2017

Station locations



Anomaly

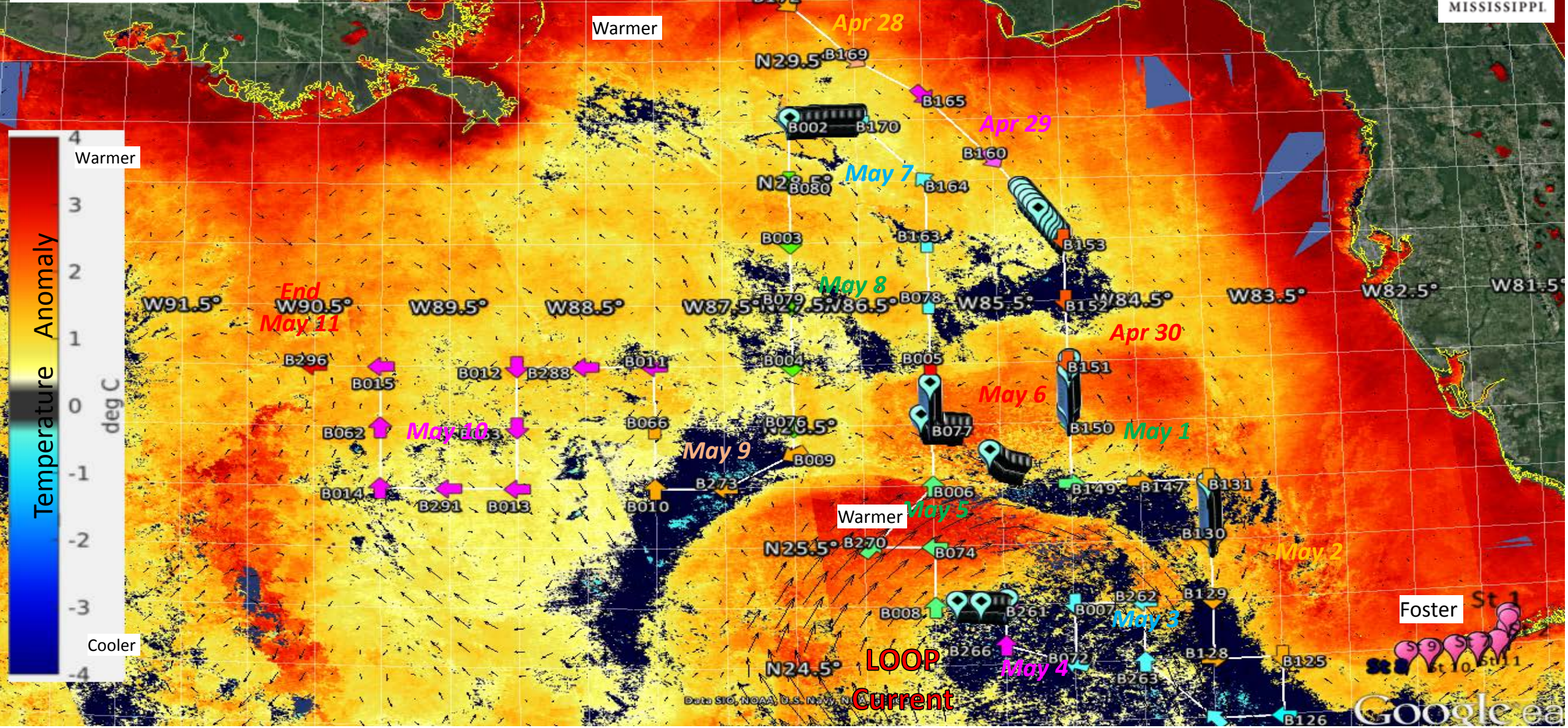
# Leg 1 - SeaMap Spring Cruise - Oregon 2 (April 28 – May 11 2017)



SS Temperature (avg-currents) for May 1, 2017

Station locations

Satellite SST Anomaly



Data: SIC, NOAA, U.S. Navy, NCEP

Anomaly

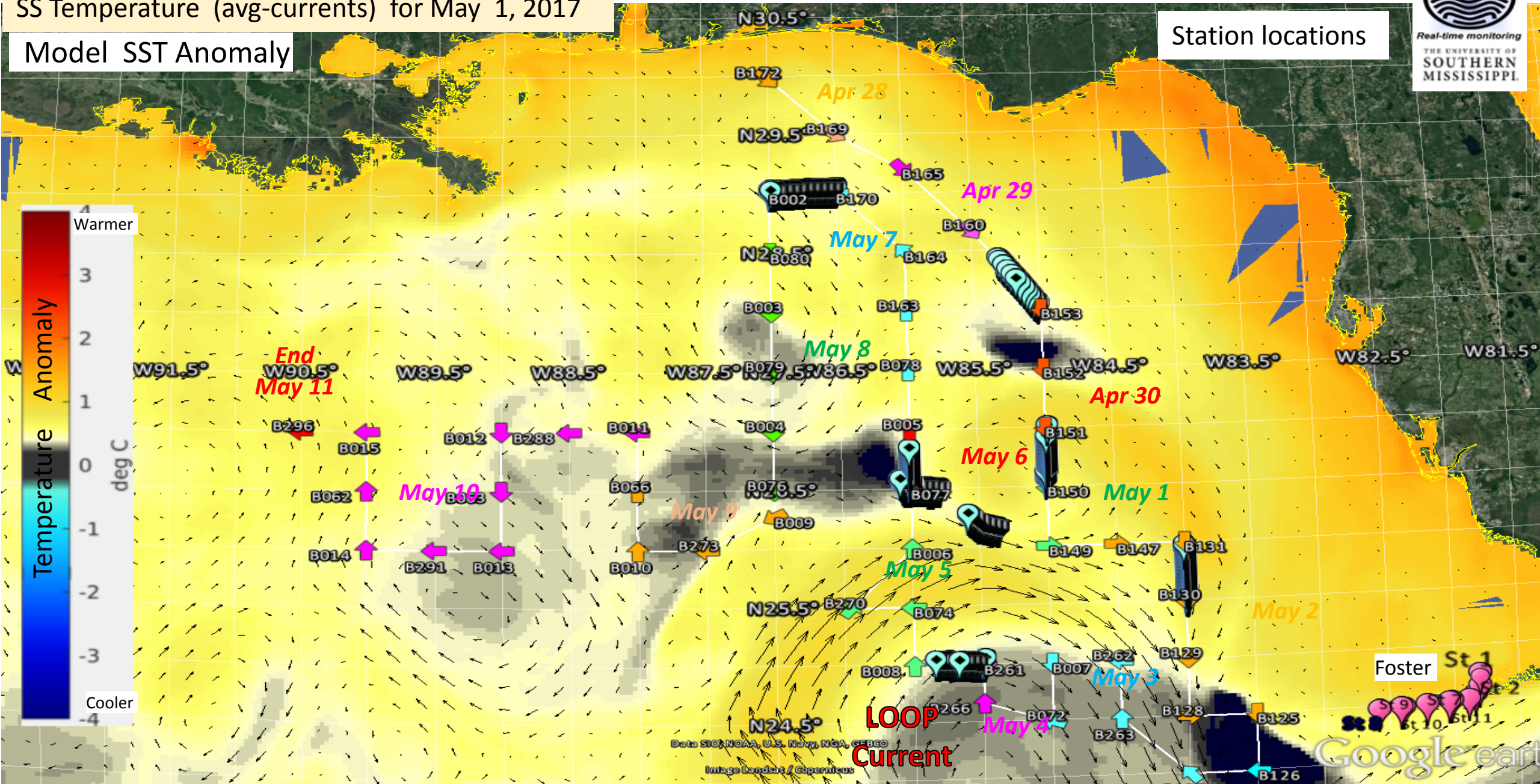
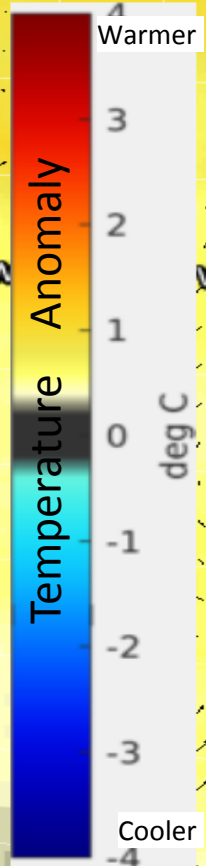
# Leg 1 - SeaMap Spring Cruise - Oregon 2 (April 28 – May 11 2017)



SS Temperature (avg-currents) for May 1, 2017

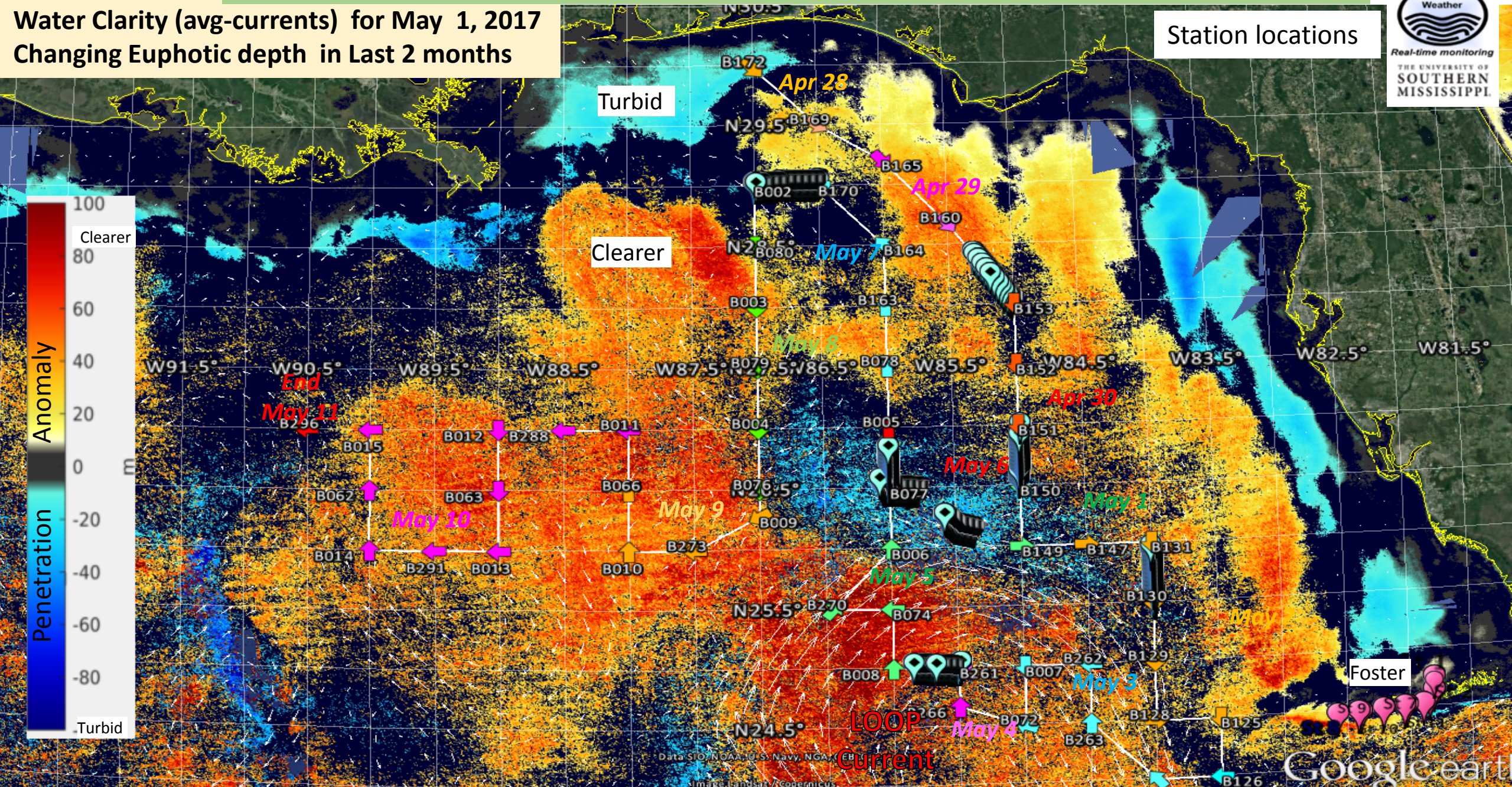
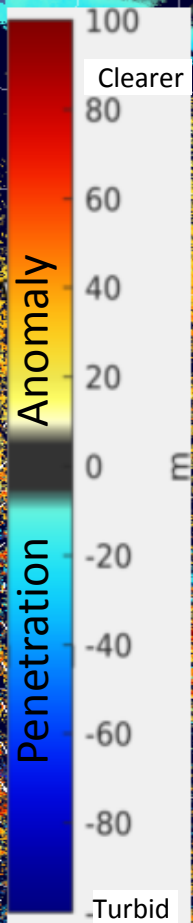
Model SST Anomaly

Station locations



Water Clarity (avg-currents) for May 1, 2017  
Changing Euphotic depth in Last 2 months

Station locations



Data SIO, NOAA, U.S. Navy, NGA, GEBCO  
Image Landsat/Copernicus

# **Anomalies (May 2017) Leg 1 – SeaMap cruise**

## **Temperature**

Satellite Skin temperature is Warming – with Spring heating – Red Color - Slide 2

Model Surface (Bulk Temperature ) Not as Warm - yellow - Slide 3

## **Water Clarity – Light Penetration**

Coastal areas are increasing in turbidity - less Light penetration -- Blue - Slide 4

Areas north of Loop Current – Increase in turbidity (Blue) –  
comes from the clear Loop Current has moved South

## **Nowcast May 10**

Sea Surface Temperature (Model )

Slide 1

Mixed Layer depth

Slide 6

SeaSurface Height

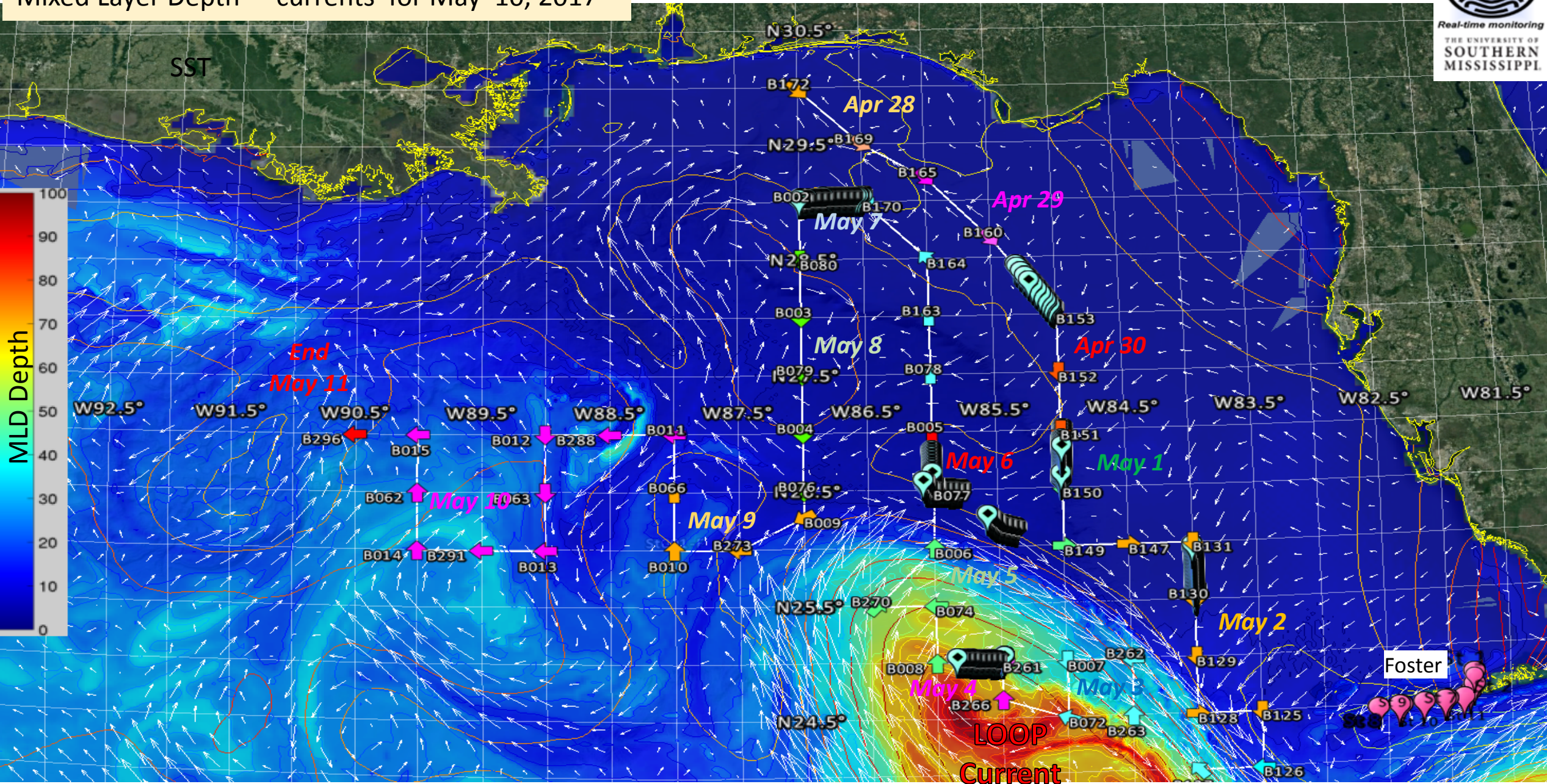
Slide 7



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Mixed Layer Depth - currents for May 10, 2017

Station locations





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Sea Surface Height - currents for May 10, 2017

Station locations

