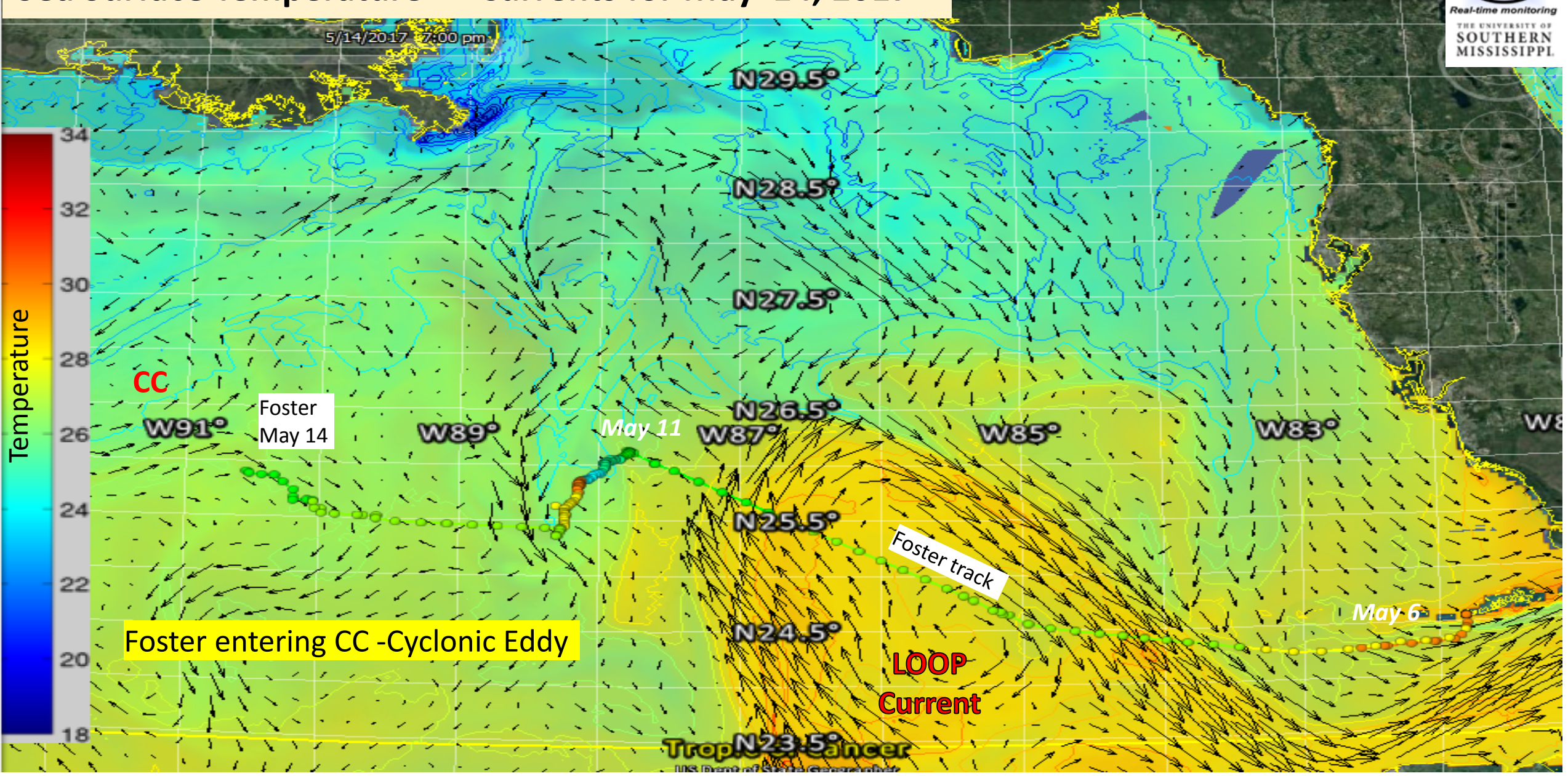




Sea Surface Temperature – Currents for May 14, 2017

Cruise Track



Foster entering CC -Cyclonic Eddy

LOOP Current

Foster May 14

May 11

May 6

Foster track

Trop N23.5° Cancer

Anomaly

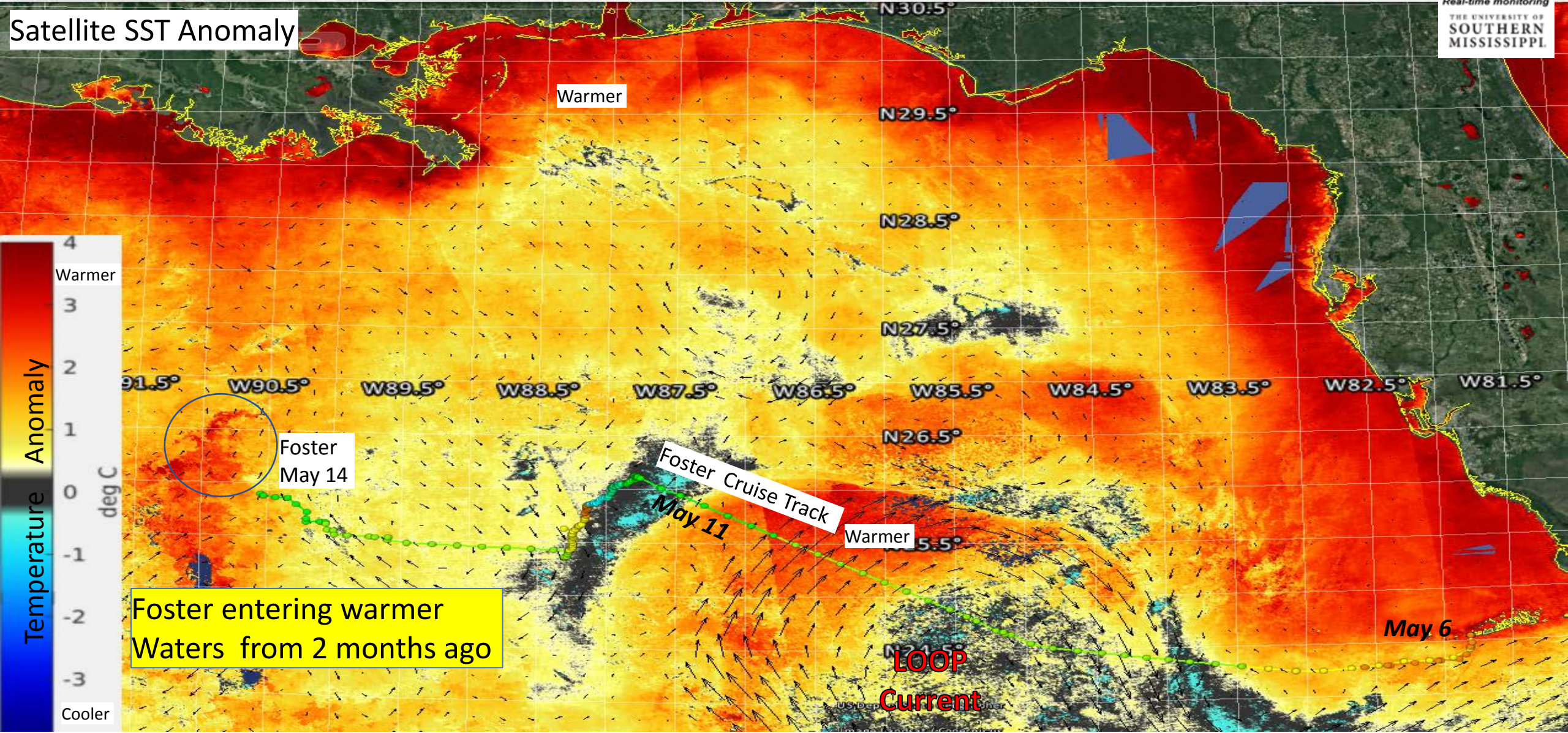
Foster (April 28 – May 14 2017)



Real-time monitoring
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Sea Surface Temperature – Avg. Currents for May 1, 2017

Satellite SST Anomaly



Warmer

Foster
May 14

Foster entering warmer
Waters from 2 months ago

Foster Cruise Track
May 11

Warmer

LOOP
Current

May 6

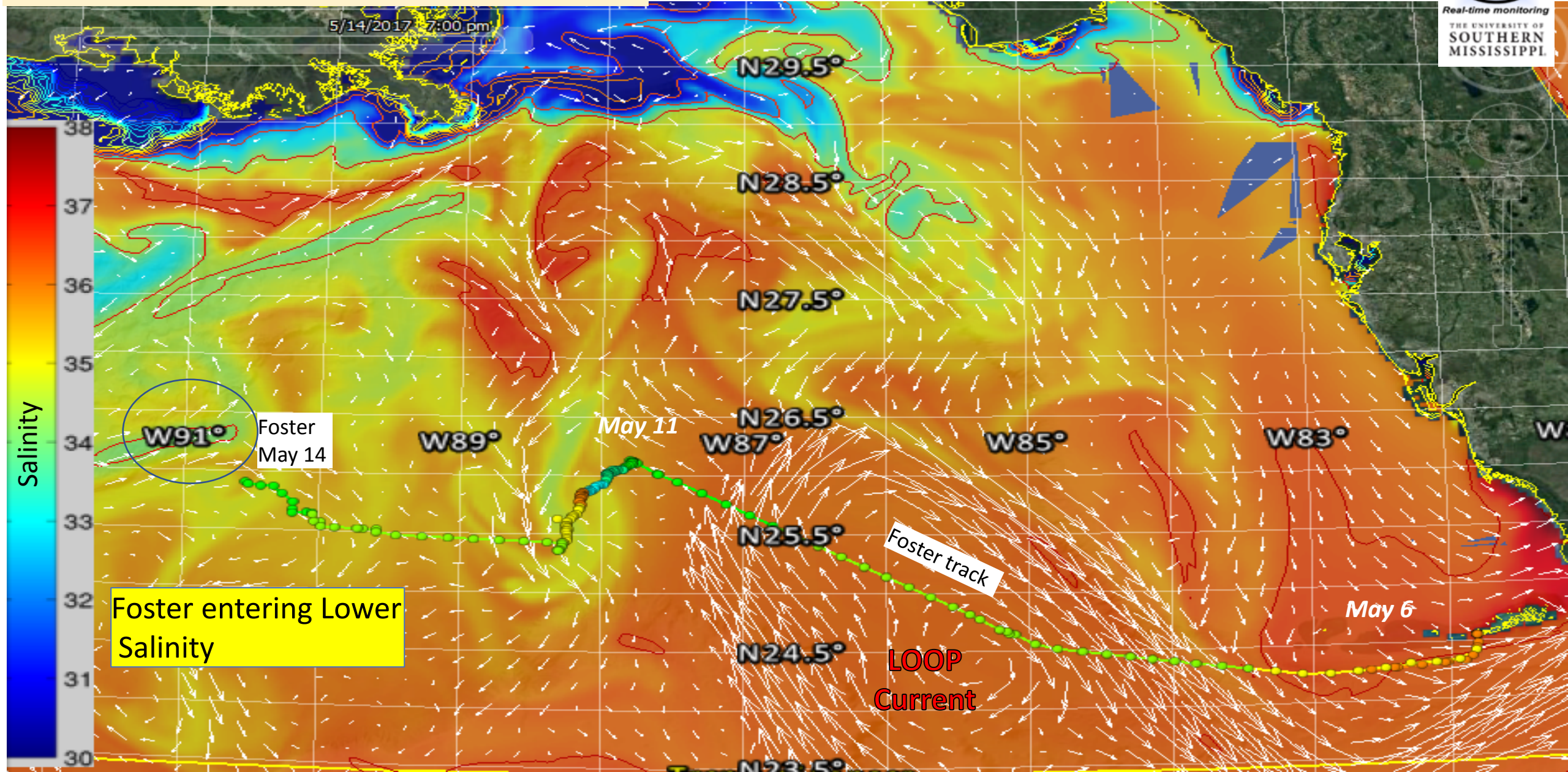
Temperature Anomaly
deg C
Warmer
Cooler



Real-time monitoring
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Sea Surface Salinity – Currents for May 14, 2017

Cruise Track



5/14/2017 7:00 pm

N29.5°

N28.5°

N27.5°

N26.5°

N25.5°

N24.5°

N23.5°

W89°

May 11

W87°

W85°

W83°

W81°

May 6

W91°

Foster
May 14

Foster track

LOOP
Current

Foster entering Lower
Salinity

Salinity

38
37
36
35
34
33
32
31
30

Abnormal

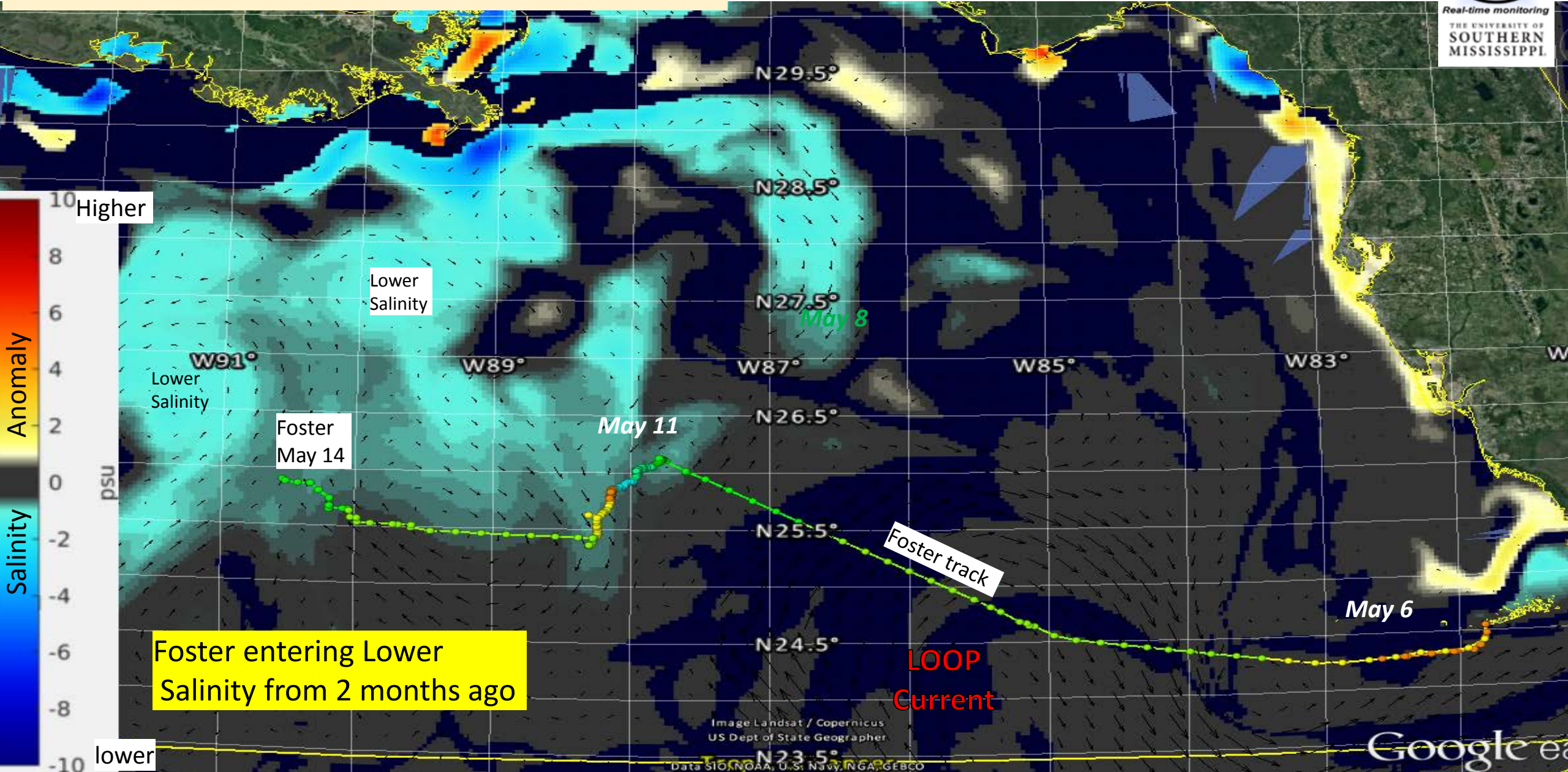
Foster Cruise Track May 14 2017



Real-time monitoring
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Sea Surface Salinity – Currents for May 14, 2017

Cruise Track



Higher

Anomaly

Lower Salinity

Lower Salinity

Foster May 14

May 11

May 8

Foster track

LOOP Current

May 6

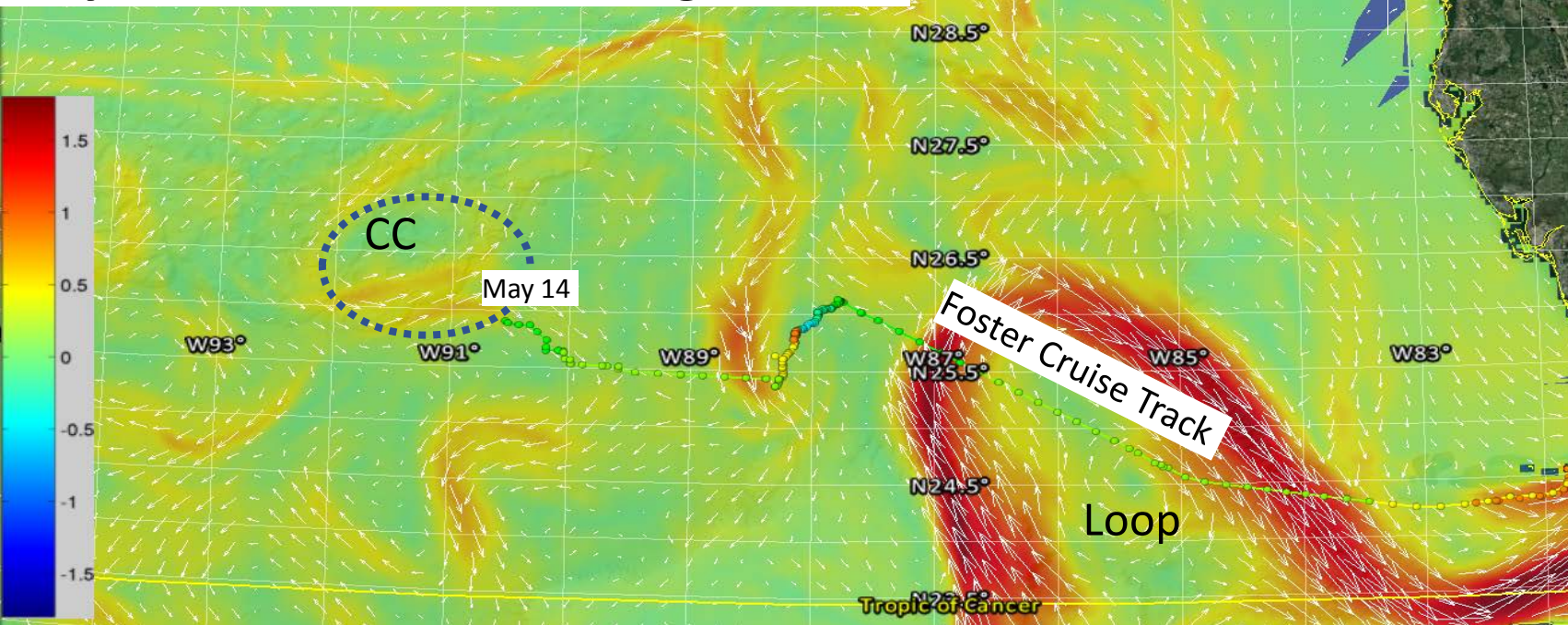
Foster entering Lower Salinity from 2 months ago

lower

Image Landsat / Copernicus
US Dept of State Geographer
Data SIO, NOAA, U.S. Navy, NGA, GEBCO

Google earth

May 14, 2017 Current Magnitude



Nowcast

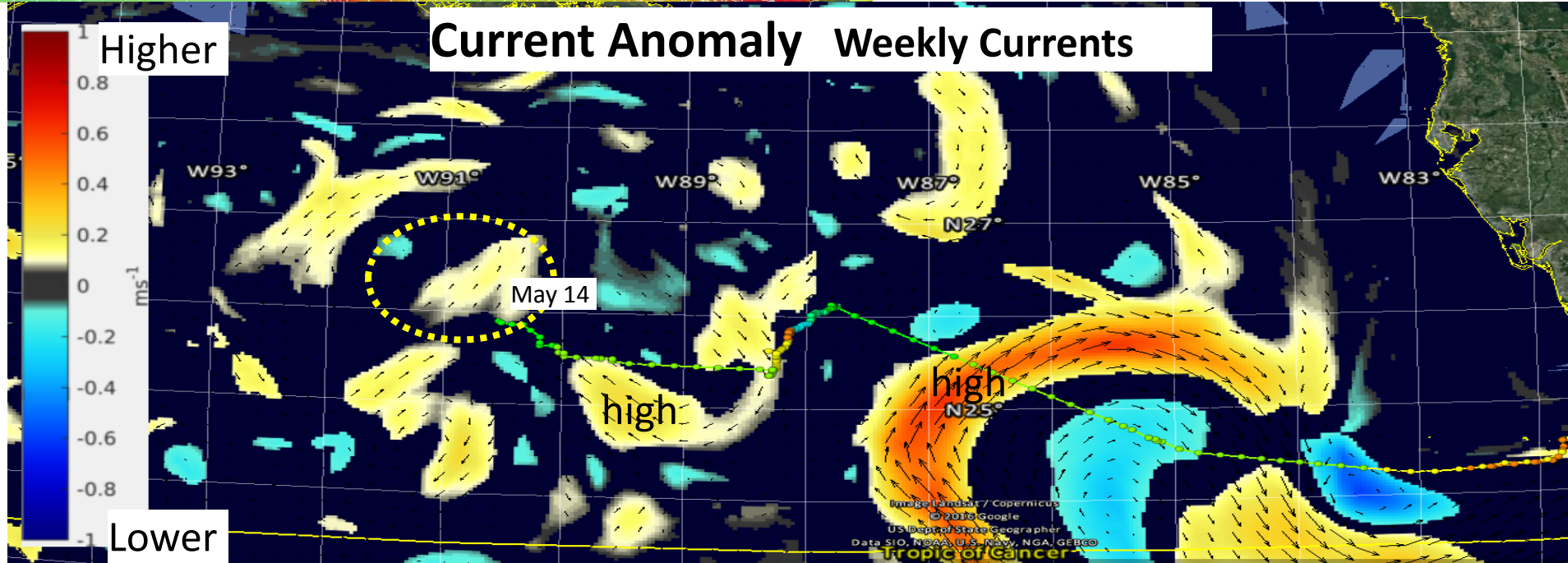
Foster Cruise Track - May 6- 14

CC= Cyclonic Eddy

Foster entering higher Current Region from 2 months ago

Current Anomaly
May 1

Abnormal Currents
StDev Mask 1



Current Anomaly Weekly Currents

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