

Nancy Foster - Cruise -

Update on Ocean Conditions

R. Arnone
B. Jones, I. Soto



(May 11 2017)



Temperature

Satellite Skin temperature is Warming – with Spring heating – Red Color - Slides 2,3

Temperature and Mixed layer Depth – areas of Upwelling at Station 001 = Slide 4

Currents - The location of the Strong currents of the Loop current are abnormal !! - Slide 5

Water Clarity – Light Penetration

Areas clearer than two months ago - Slide 4

NOWCAST

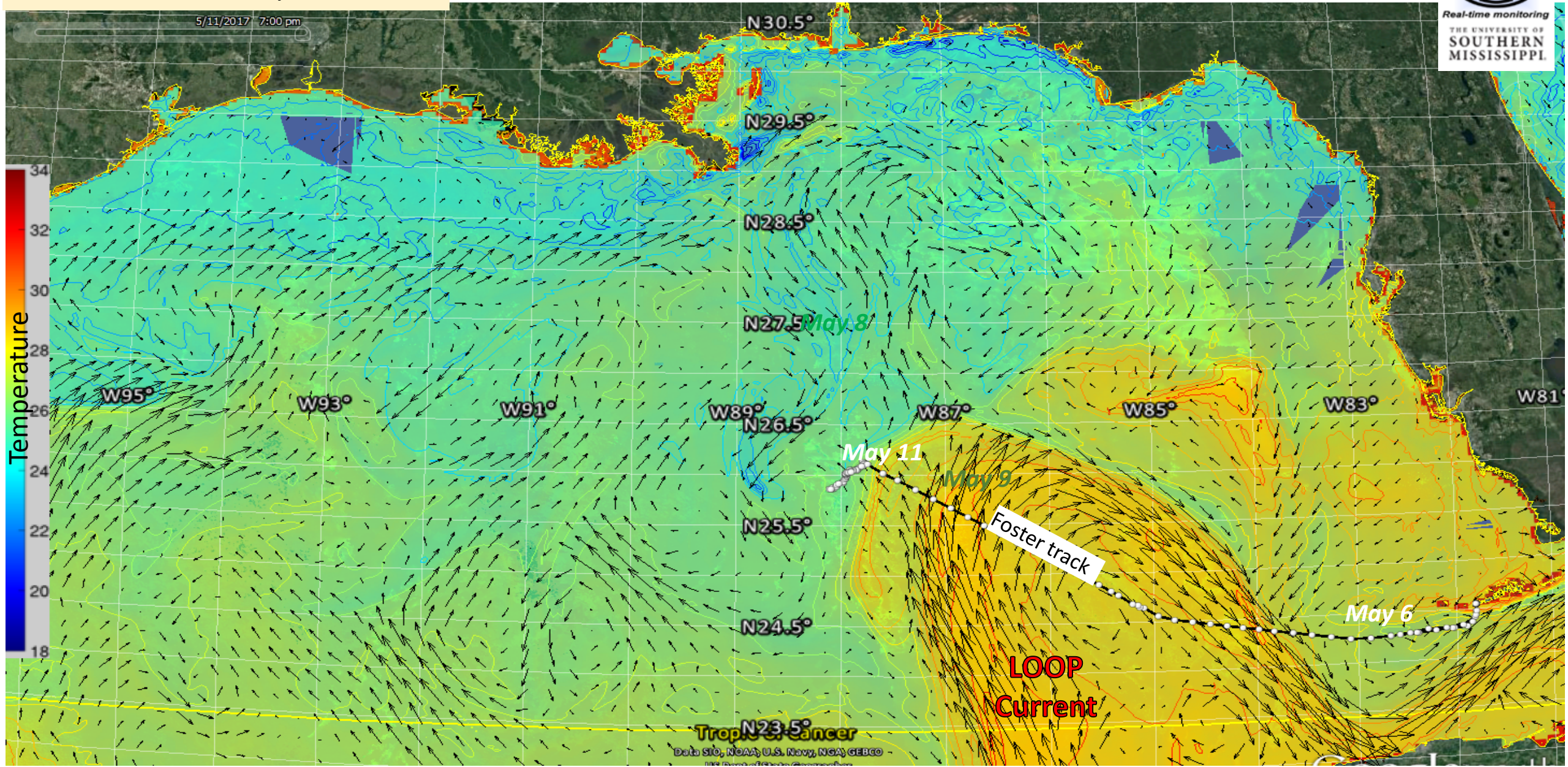
Foster May 11 2017)

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SST – Currents for May 11, 2017

Cruise Track



Anomaly

Leg 1 - Foster (April 28 – May 11 2017)

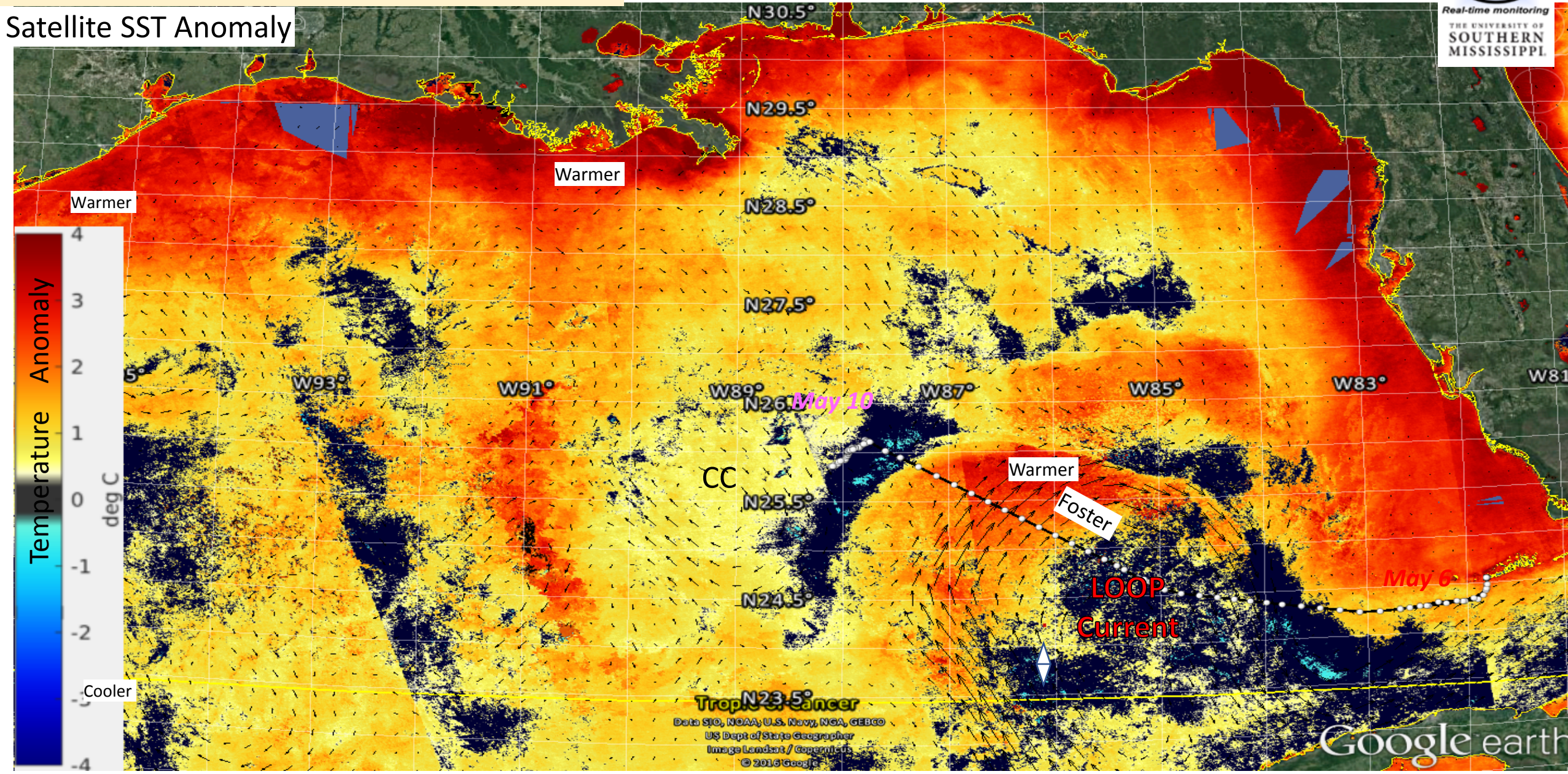
SS Temperature – Avg. Currents for May 1, 2017

Station locations



Real-time monitoring
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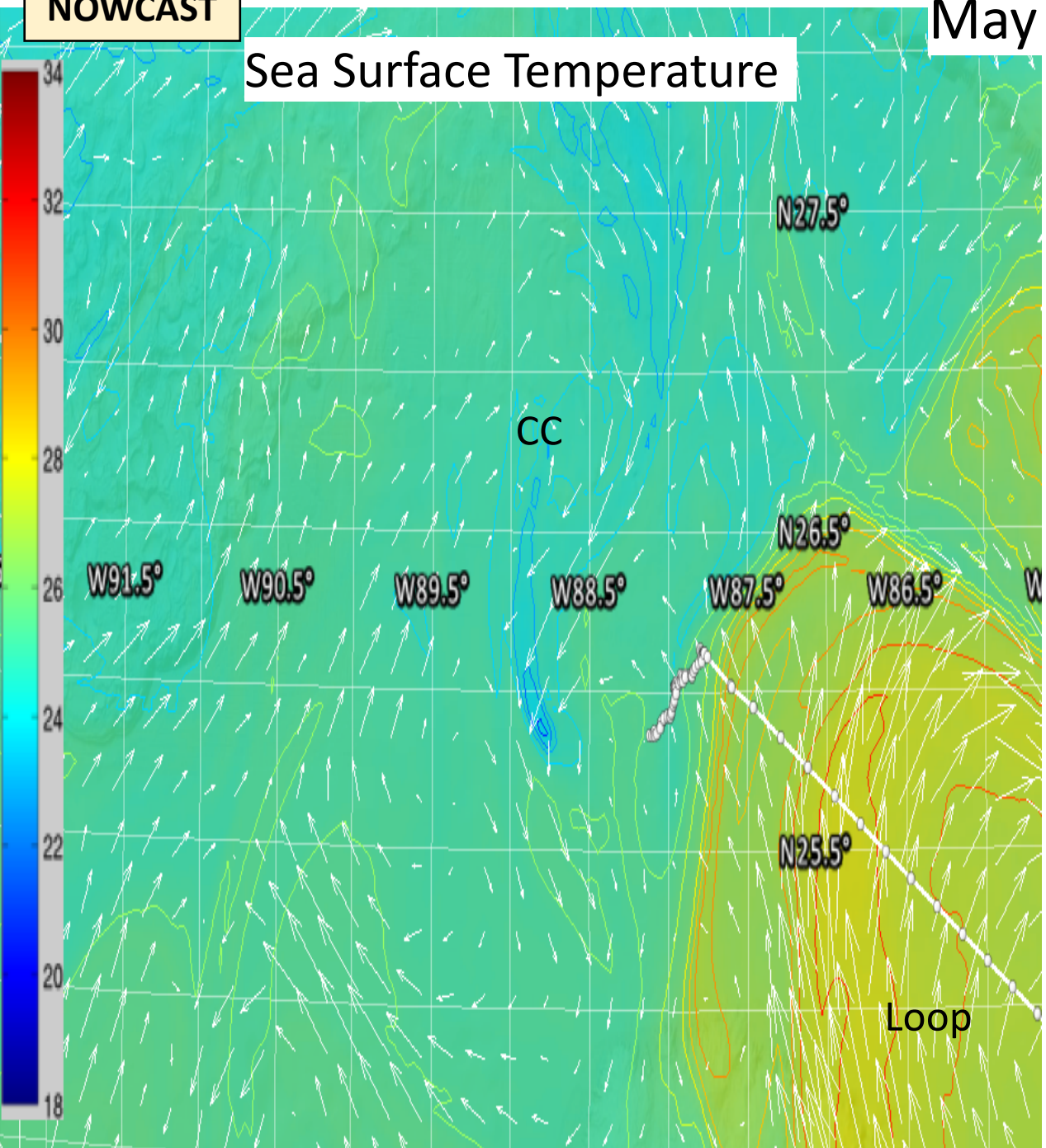
Satellite SST Anomaly



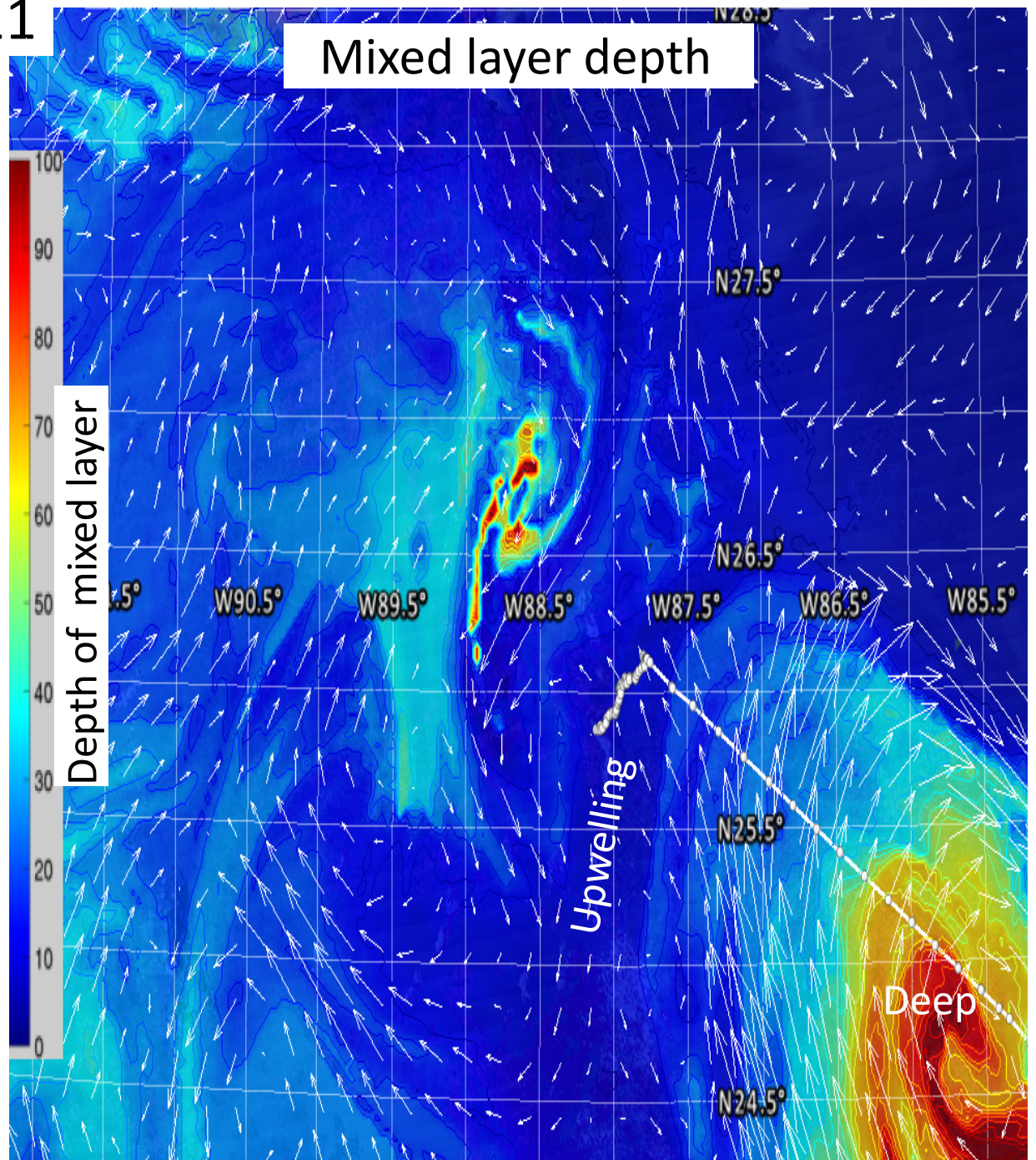
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May 11

Sea Surface Temperature

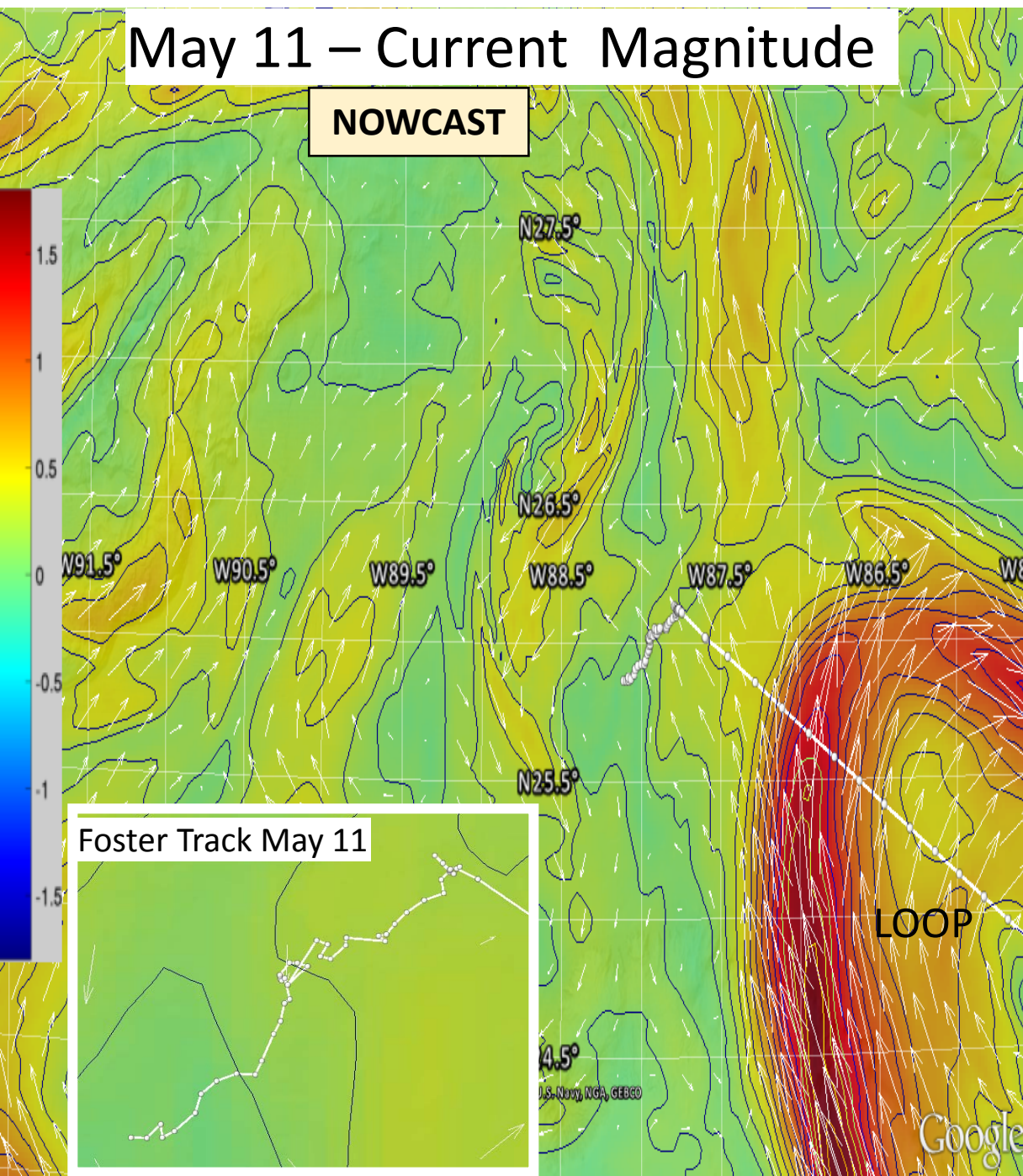


Mixed layer depth

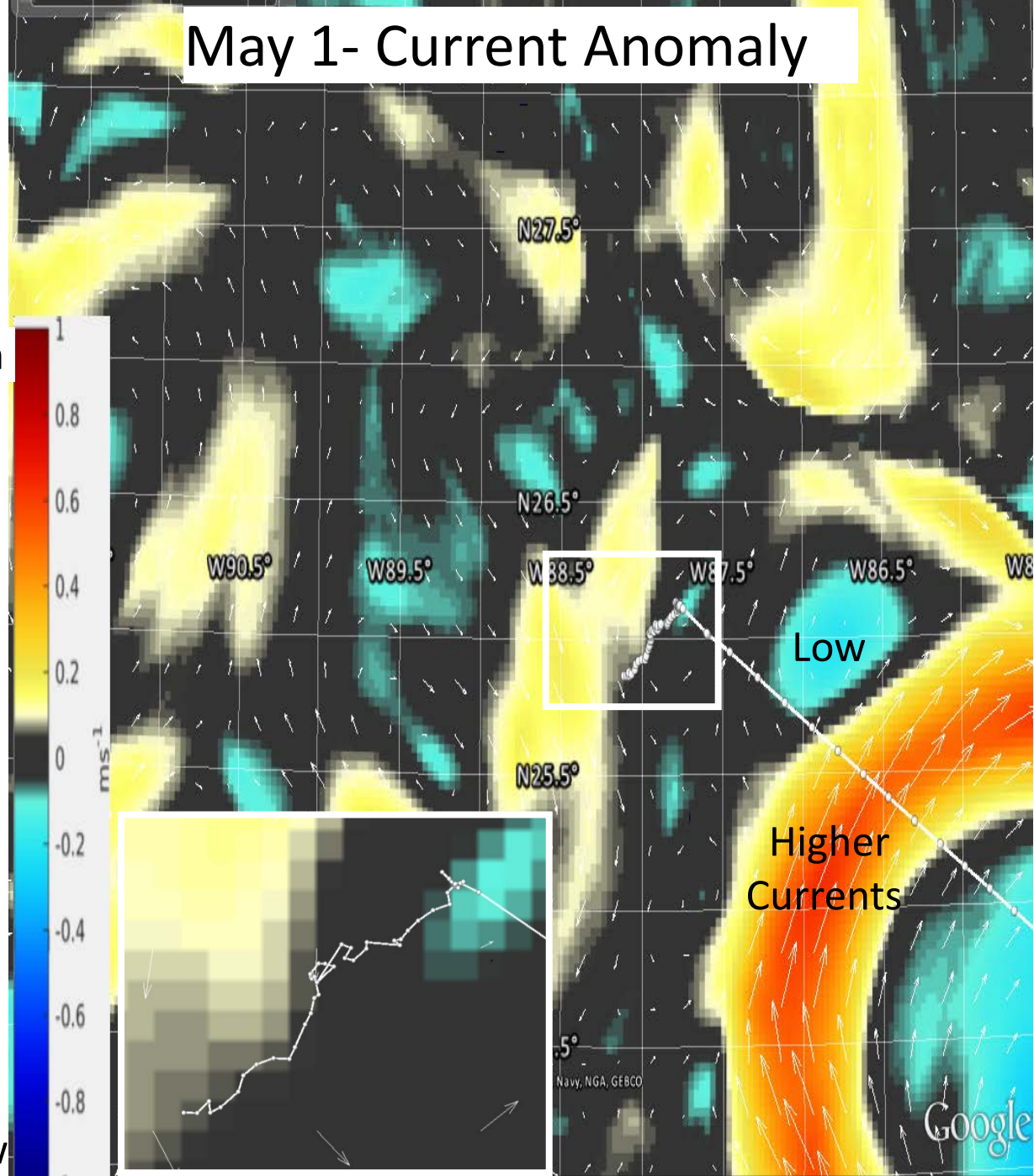


May 11 – Current Magnitude

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May 1- Current Anomaly



High

Low

Higher Currents

Low

Water Clarity May 11

Waters are clearer from 2 month ago

May 11, Euphotic Depth

Anomaly Euphotic Depth

