

May 29, 2017

R. Arnone
B. Jones, I. Soto

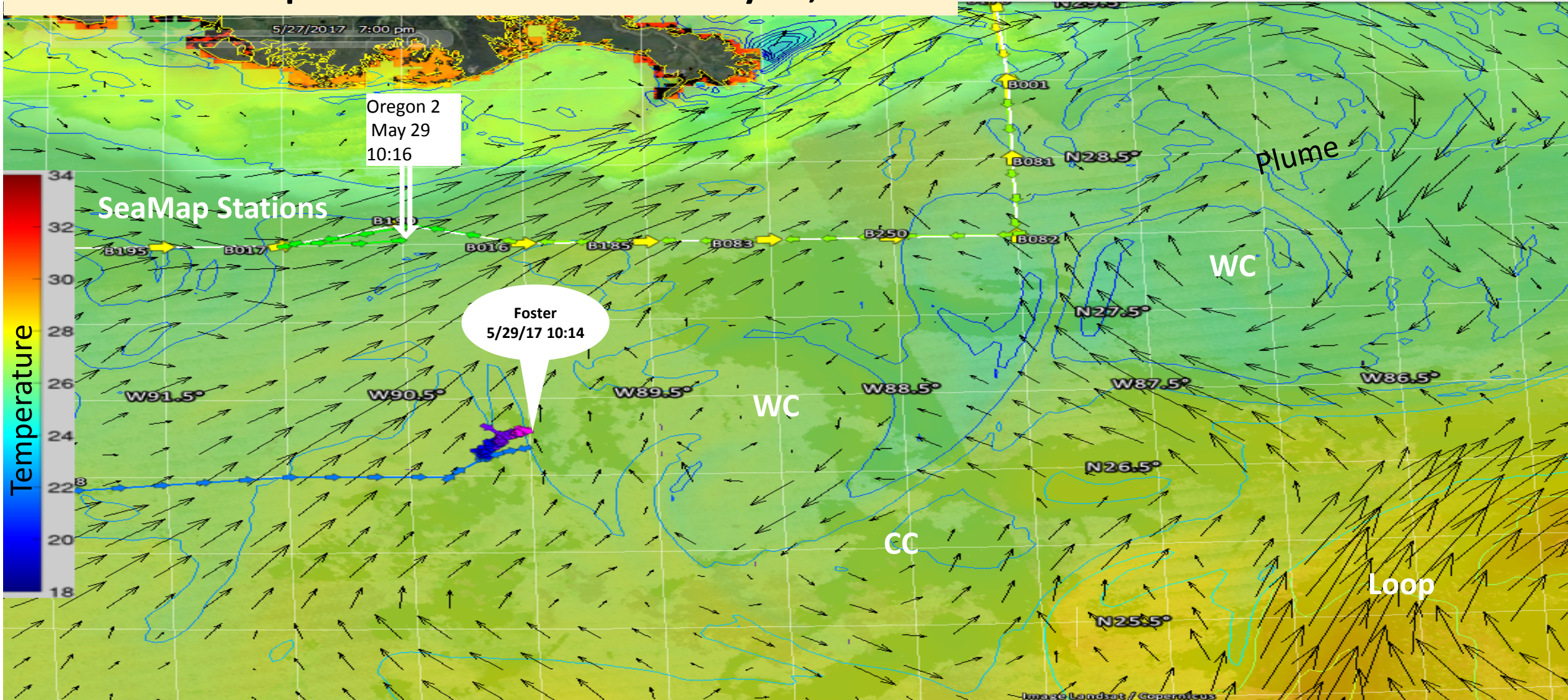


Real-time monitoring
THE UNIVERSITY OF
SOUTHERN
MISSISSIPPI

NOWCAST

- Foster - Oregon 2 Cruise track

Sea Surface Temperature – Currents for May 27, 2017



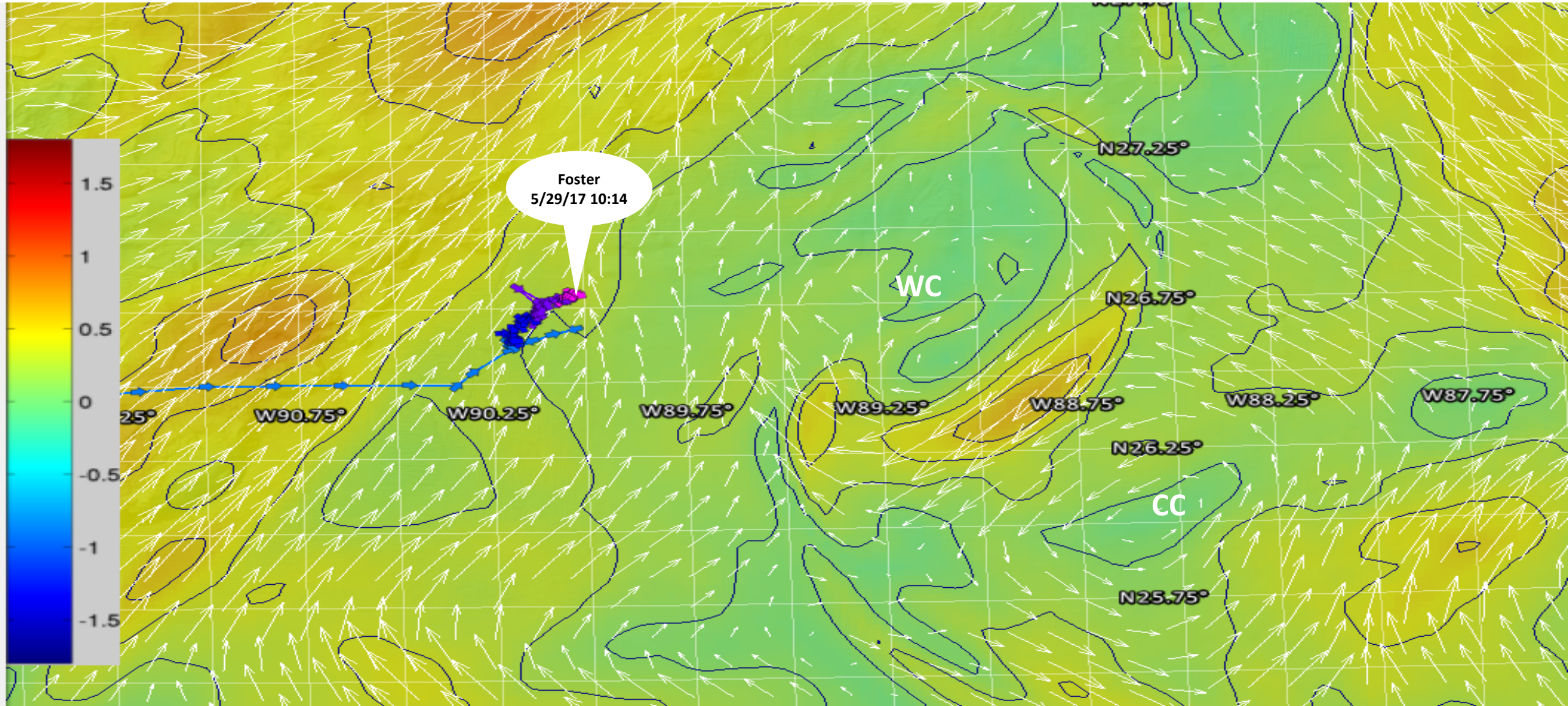
May 29, 2017

- Foster - Cruise track

Complex Eddies –
Warm Core -
Cold Core -

Current Magnitude May 27

May 27 Currents



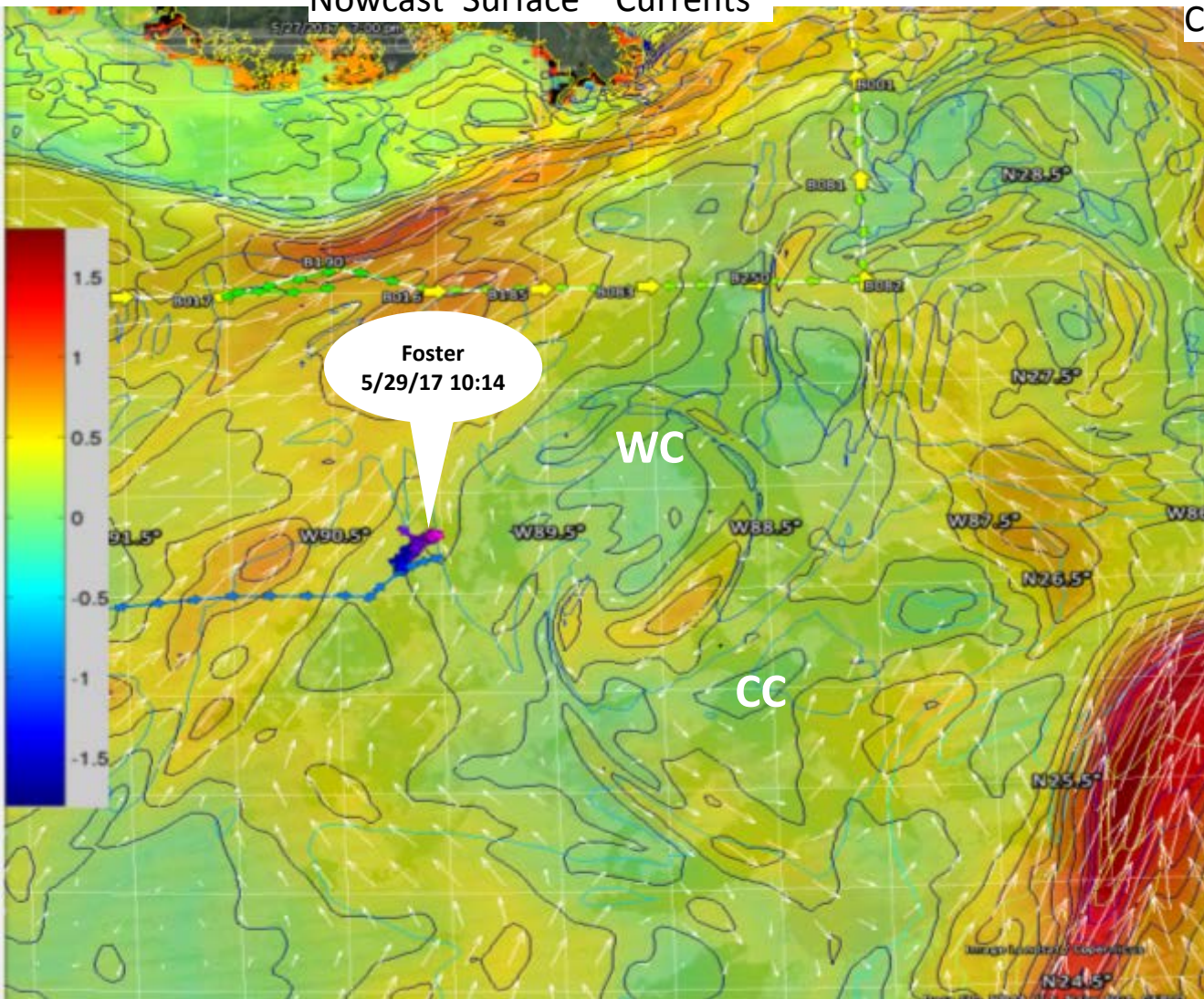
Foster Cruise May 29 , 2017

Currents

NOWCAST

Current Magnitude May 27

Nowcast Surface Currents



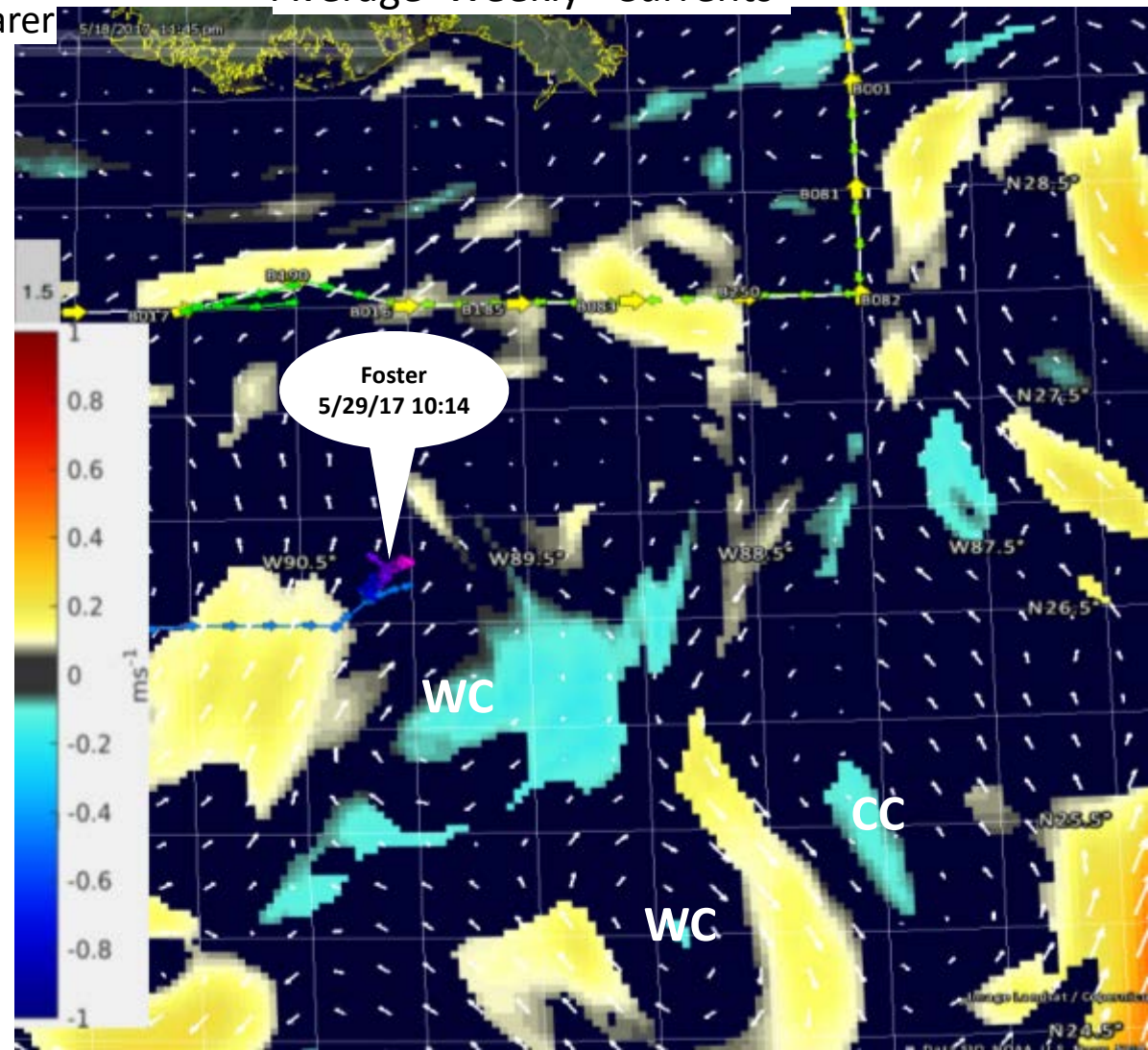
CHANGING currents in last 2 months

Currents – Nowcast and Weekly – Different

Current Anomaly May 17-24 SD MSK1

Average Weekly Currents

Clearer

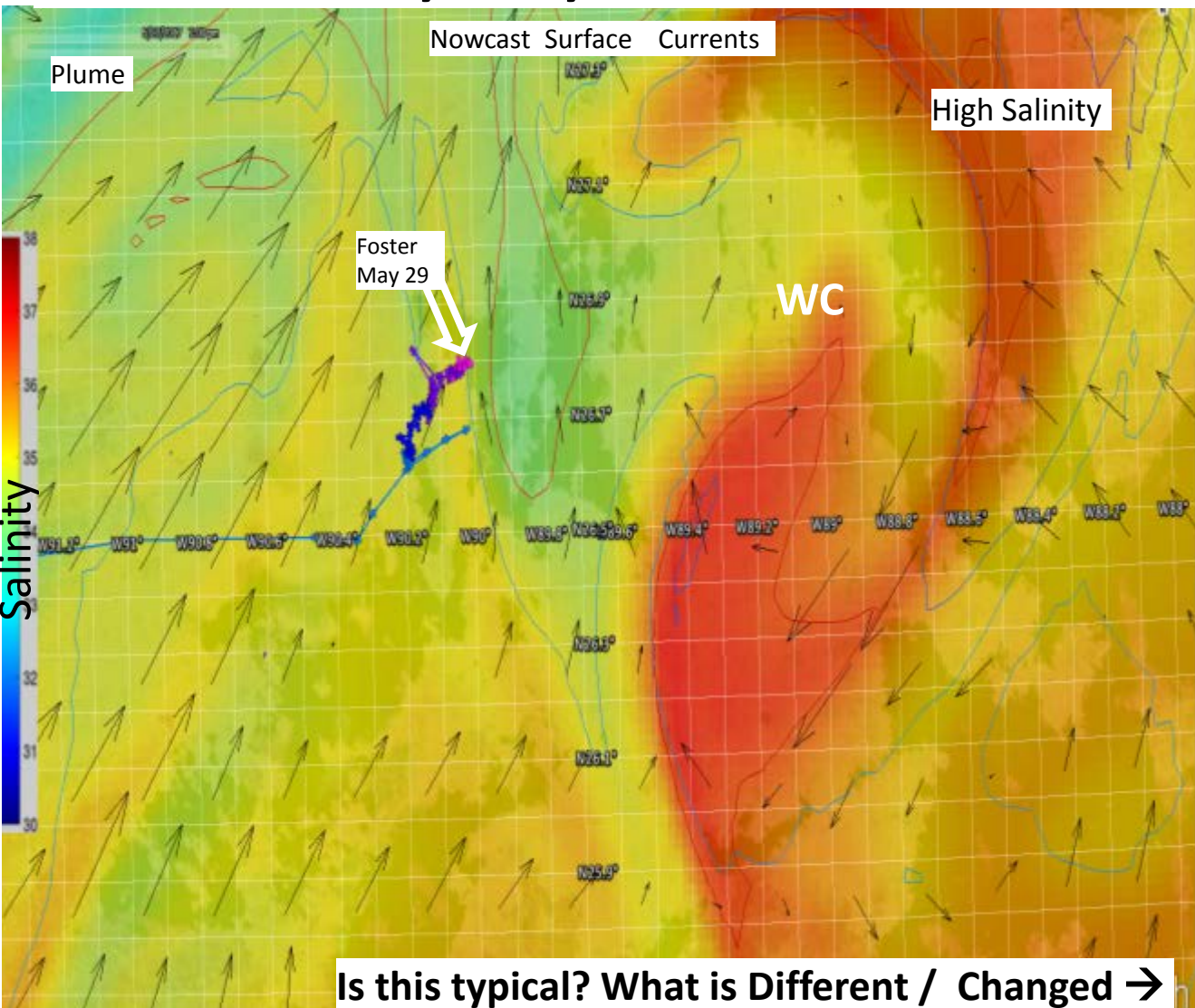


Foster Cruise May 29 , 2017

Salinity

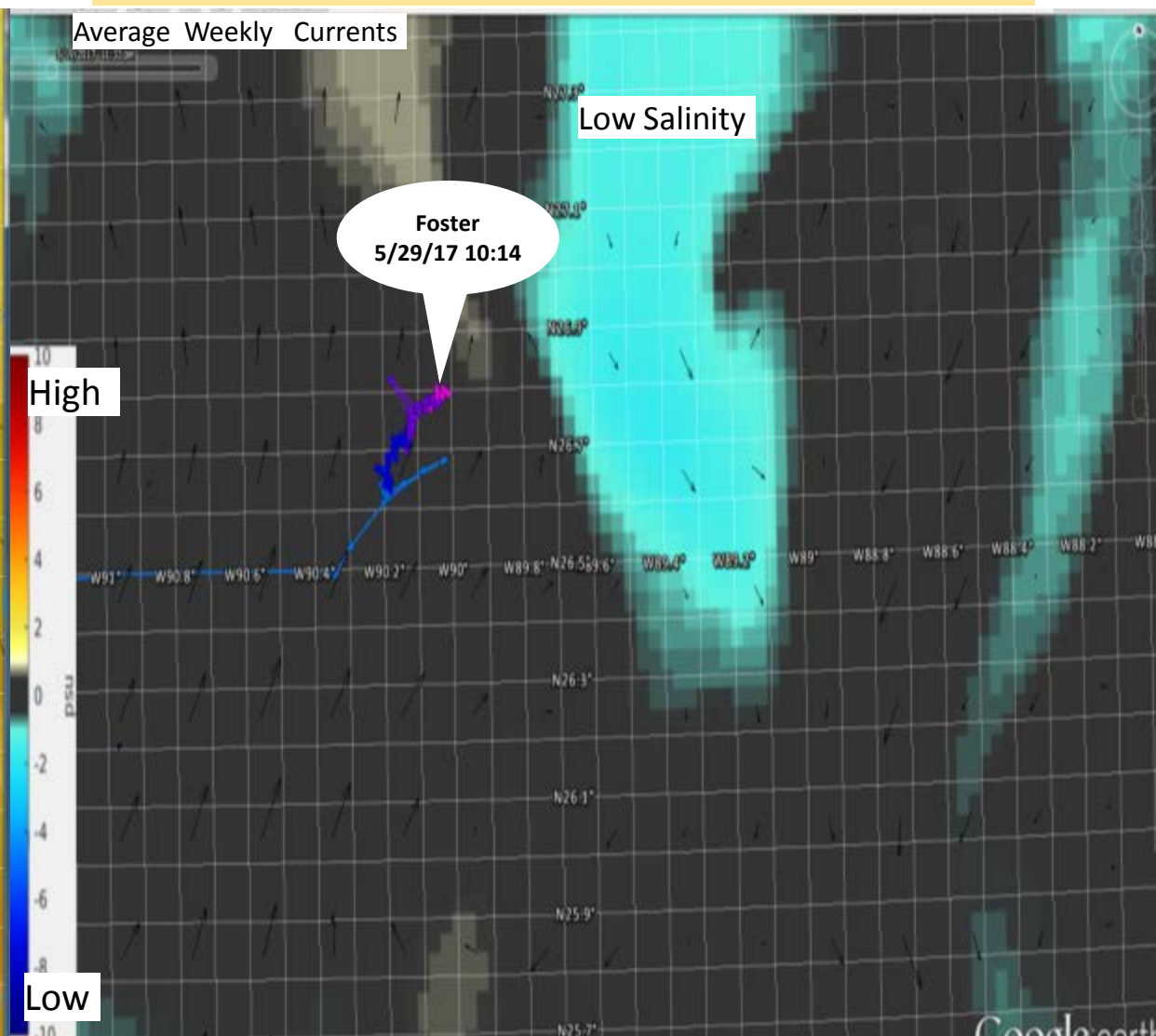
NOWCAST

Surface Salinity May 27



CHANGING SALINITY Lower

Salinity Anomaly May 17-24 SD MSK1

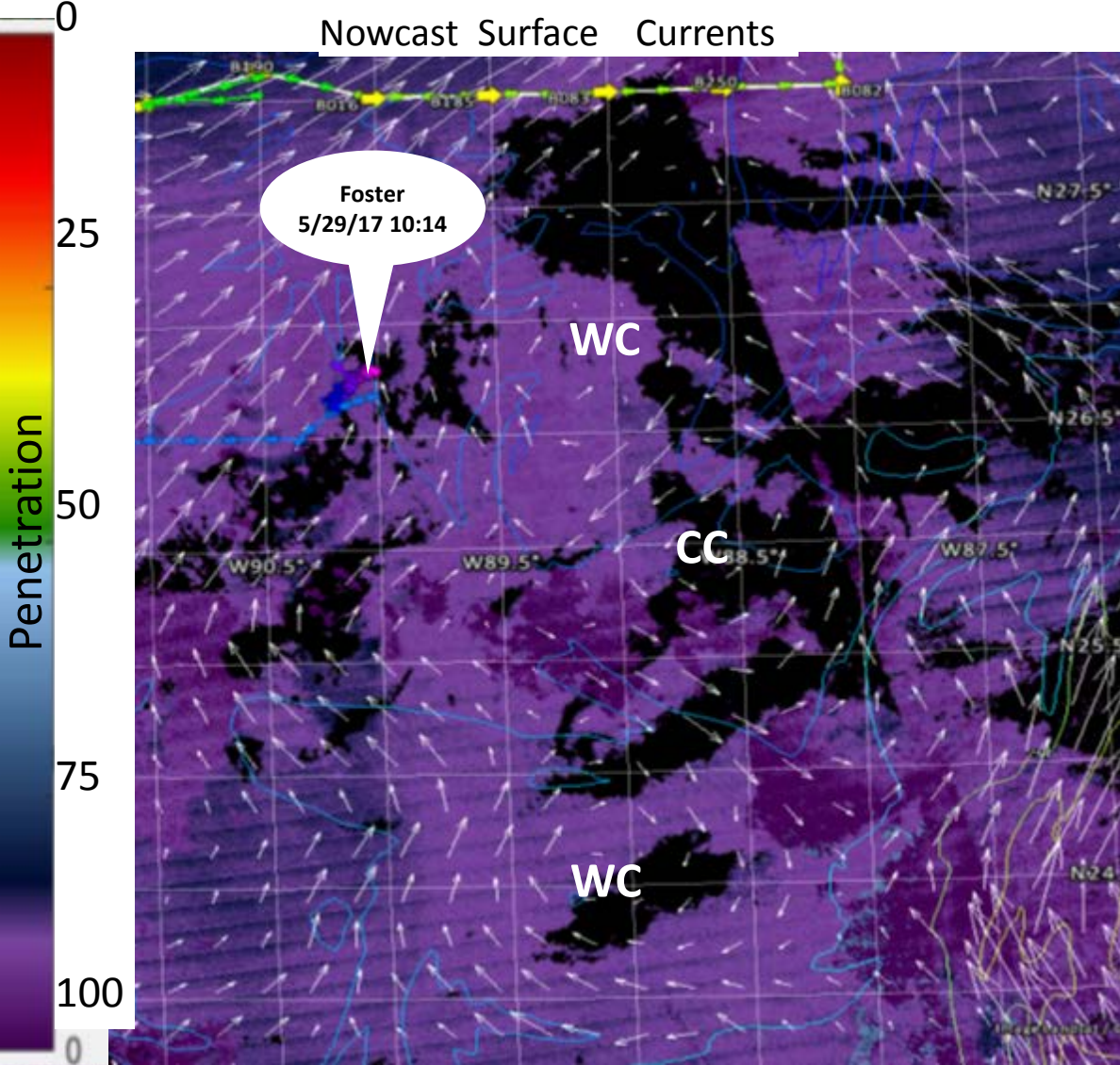


Foster Cruise May 29 , 2017

Water Clarity

NOWCAST

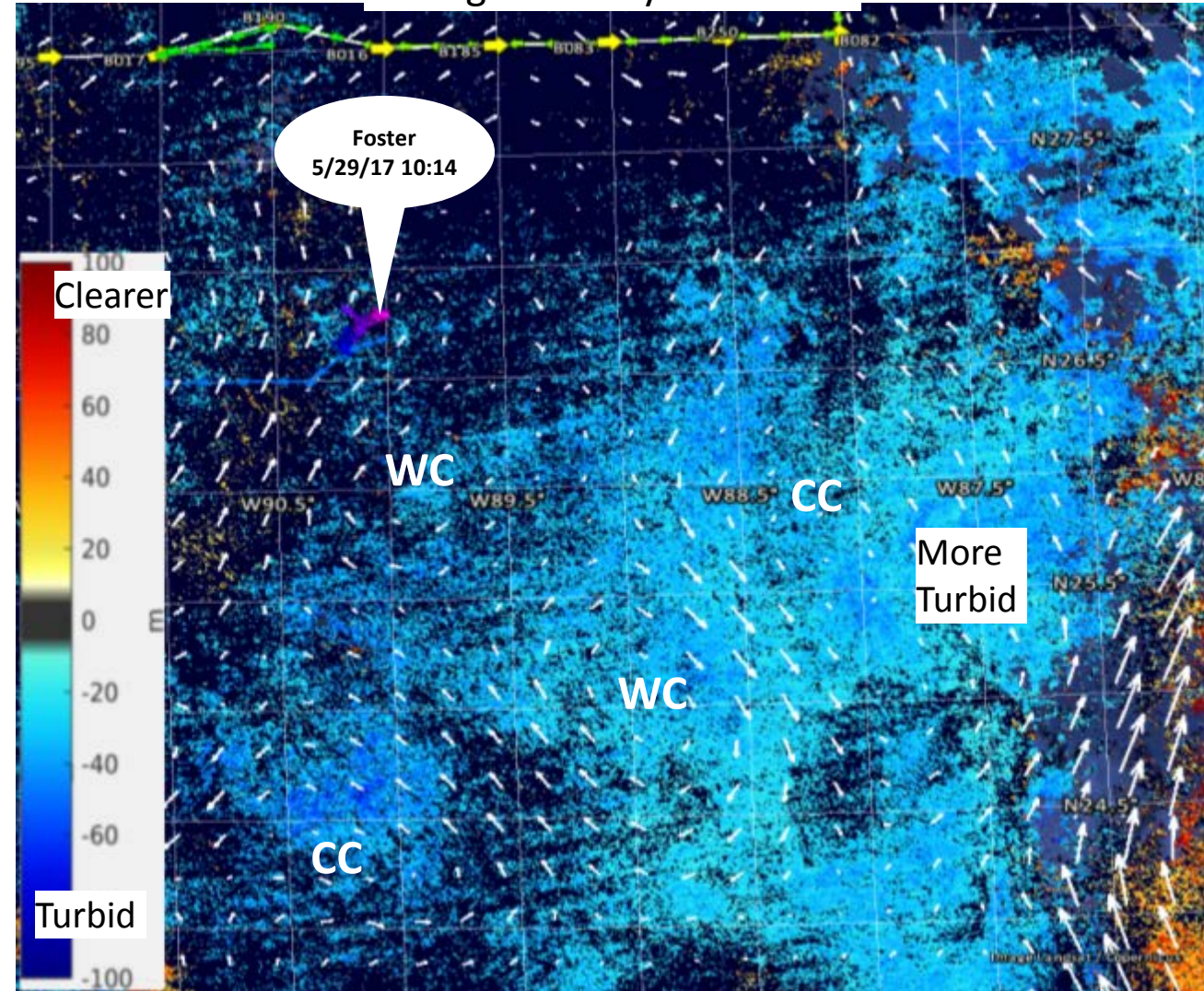
Water Clarity May 27



CHANGING Clarity Increased turbidity in last 2 month
Currents – Nowcast and Weekly

Water Clarity Anomaly May 17-24 SD MSK1

Average Weekly Currents



Foster Cruise May 27, 2017

Mixed Layer Depth

Foster Track WRT SeaMap Stations

NOWCAST

Shallow Deep Mixed Layer –

