

Surface tar distribution in Eastern Gulf of Mexico 2010-2011

Charles Kovach, FDEP

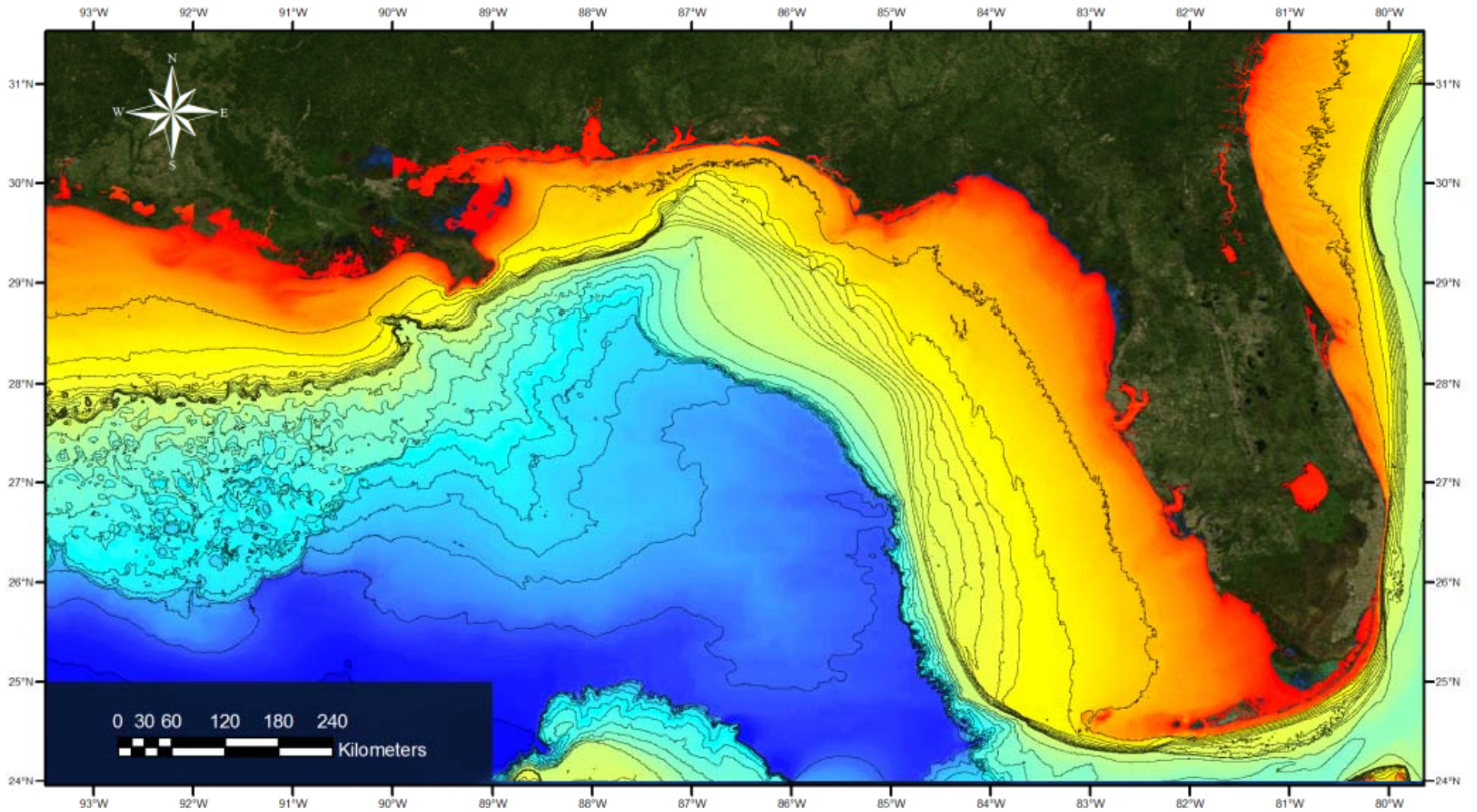


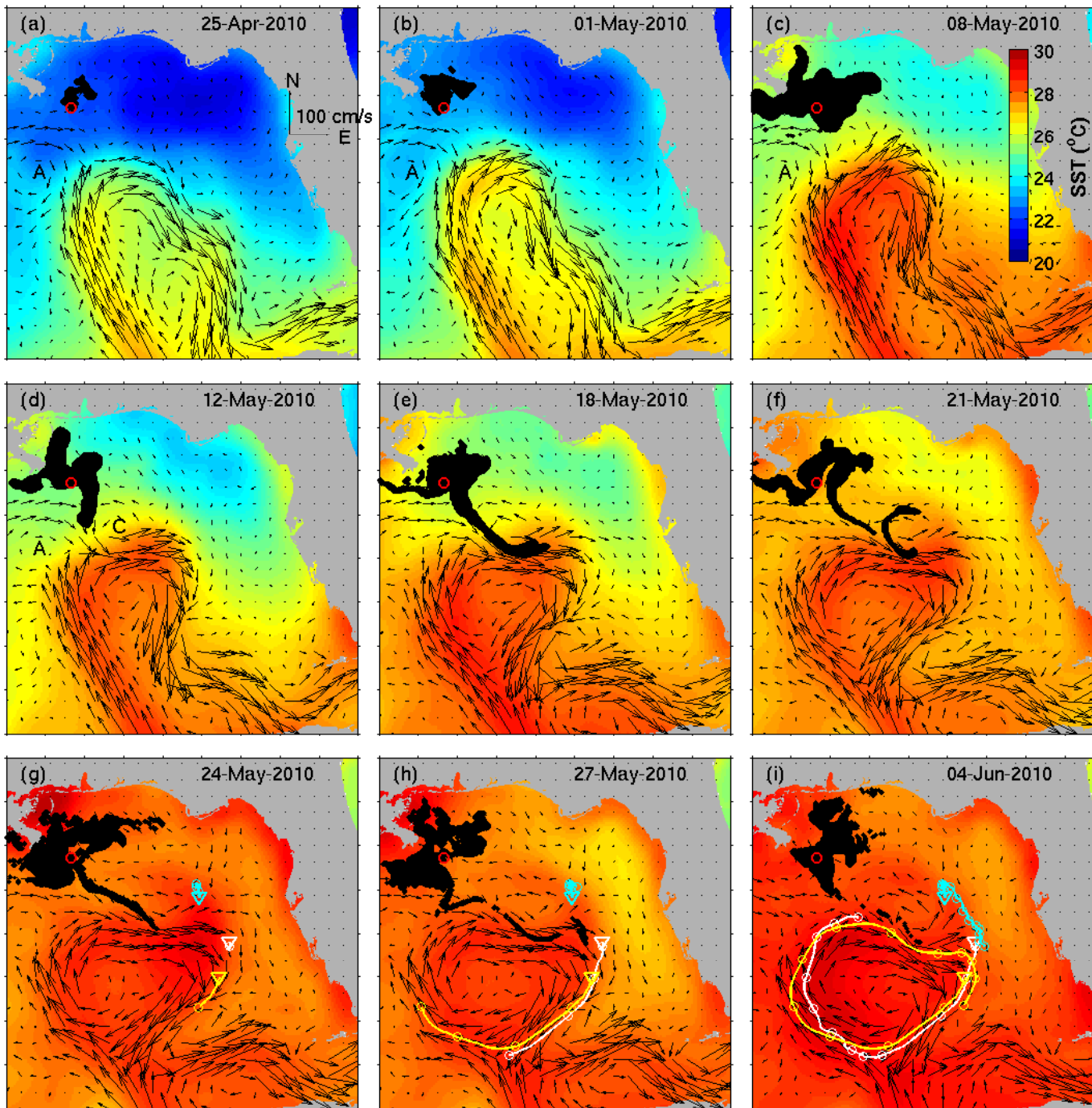
2010

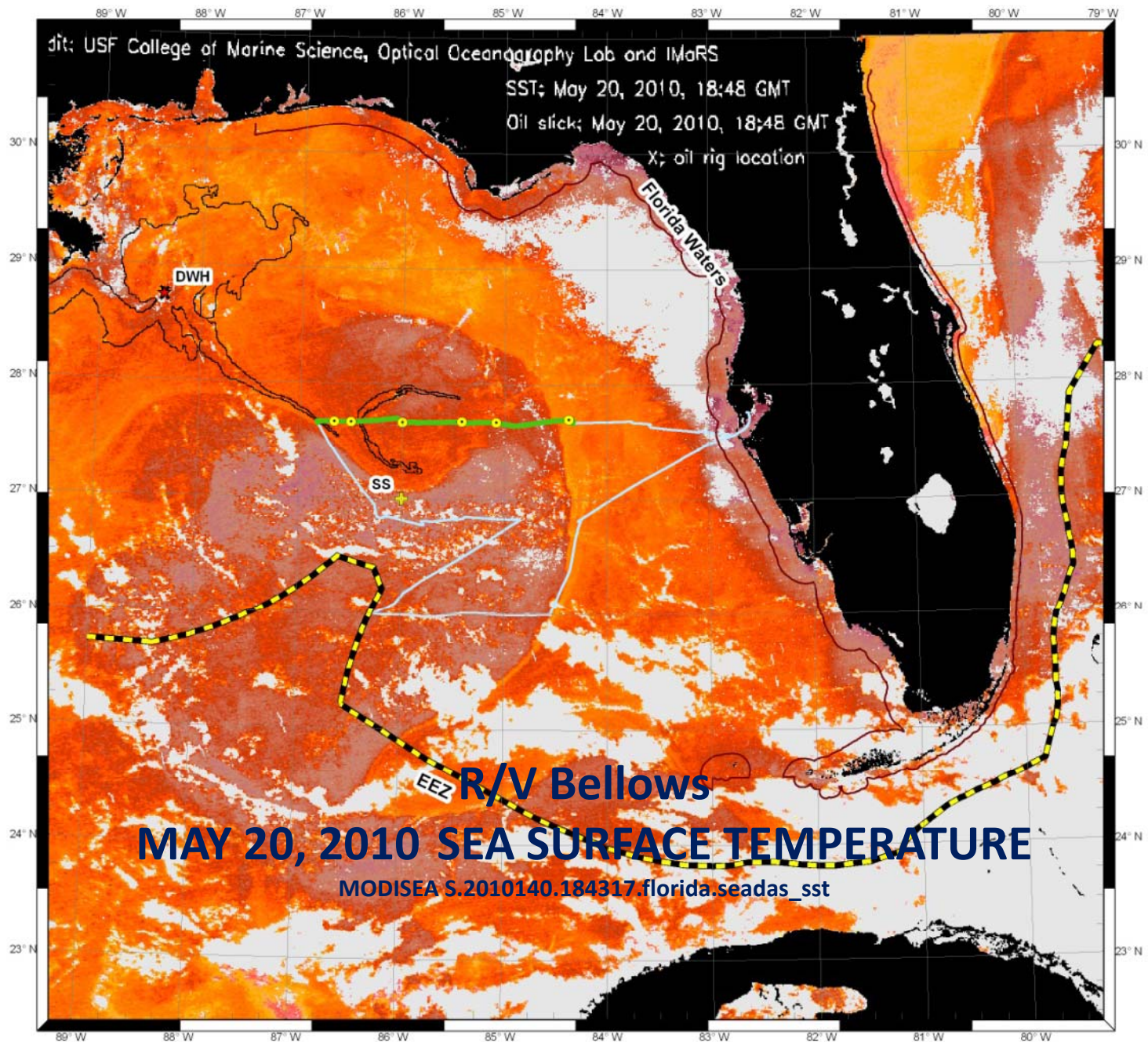
05-19 – 05-23	R/V Bellows
06-13 – 06-20	M/V Richard L. Becker
06-27 – 07-02	M/V Ocean Star
07-10 – 07-20	R/V Weatherbird II
08-06 – 08-11	R/V Weatherbird II
09-03 – 09-10	R/V Weatherbird II
12-10 – 12-20	R/V Weatherbird II

2011

01-04 – 01-11	R/V Weatherbird II
02-17 – 02-23	R/V Weatherbird II
03-21 – 03-28	R/V Weatherbird II
05-03 – 05-09	R/V Weatherbird II
06-25 – 06-29	R/V Weatherbird II
08-08 – 08-15	R/V Weatherbird II
09-20 – 09-28	R/V Weatherbird II









052110 1643.10



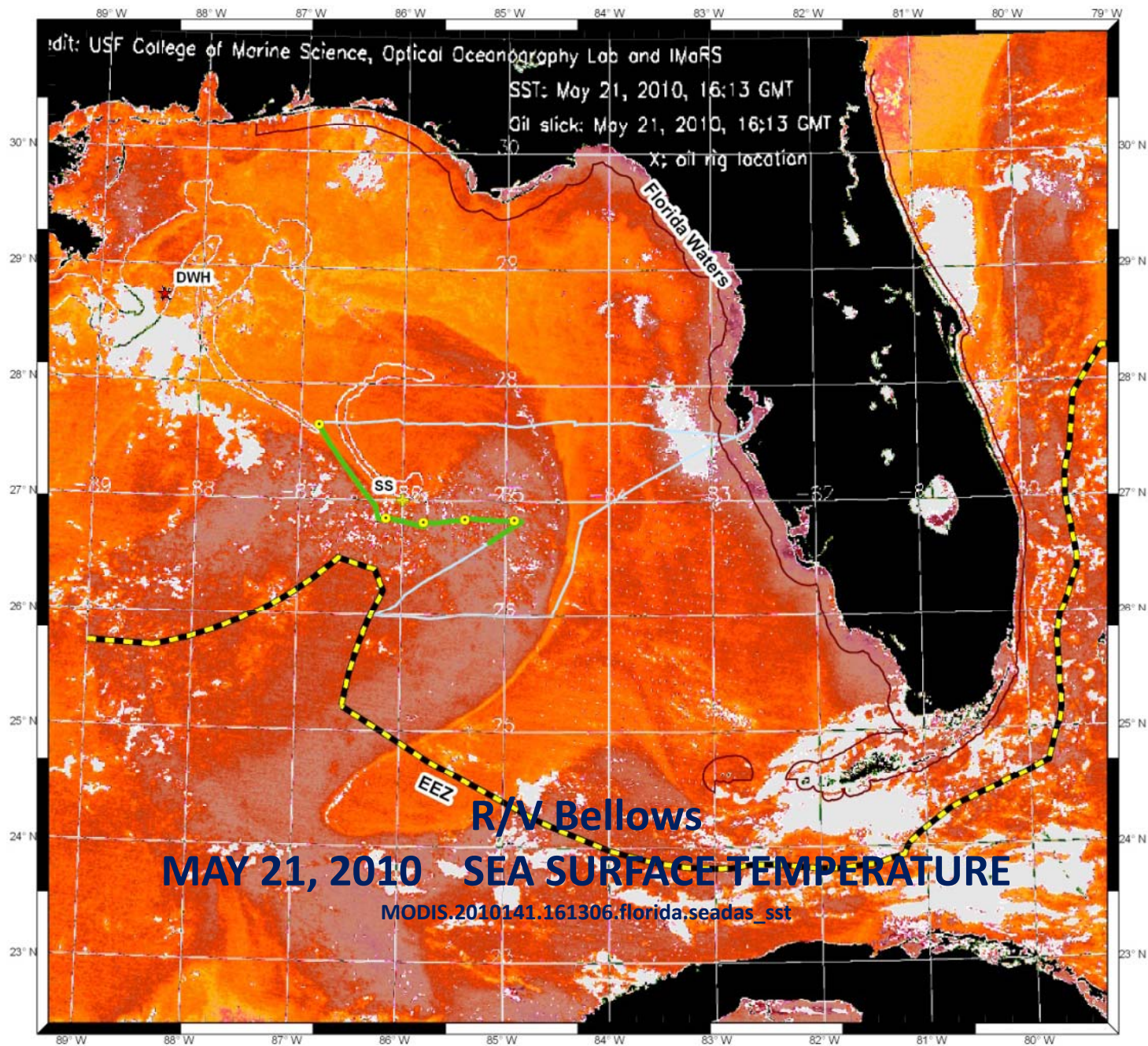
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052110 1645.54

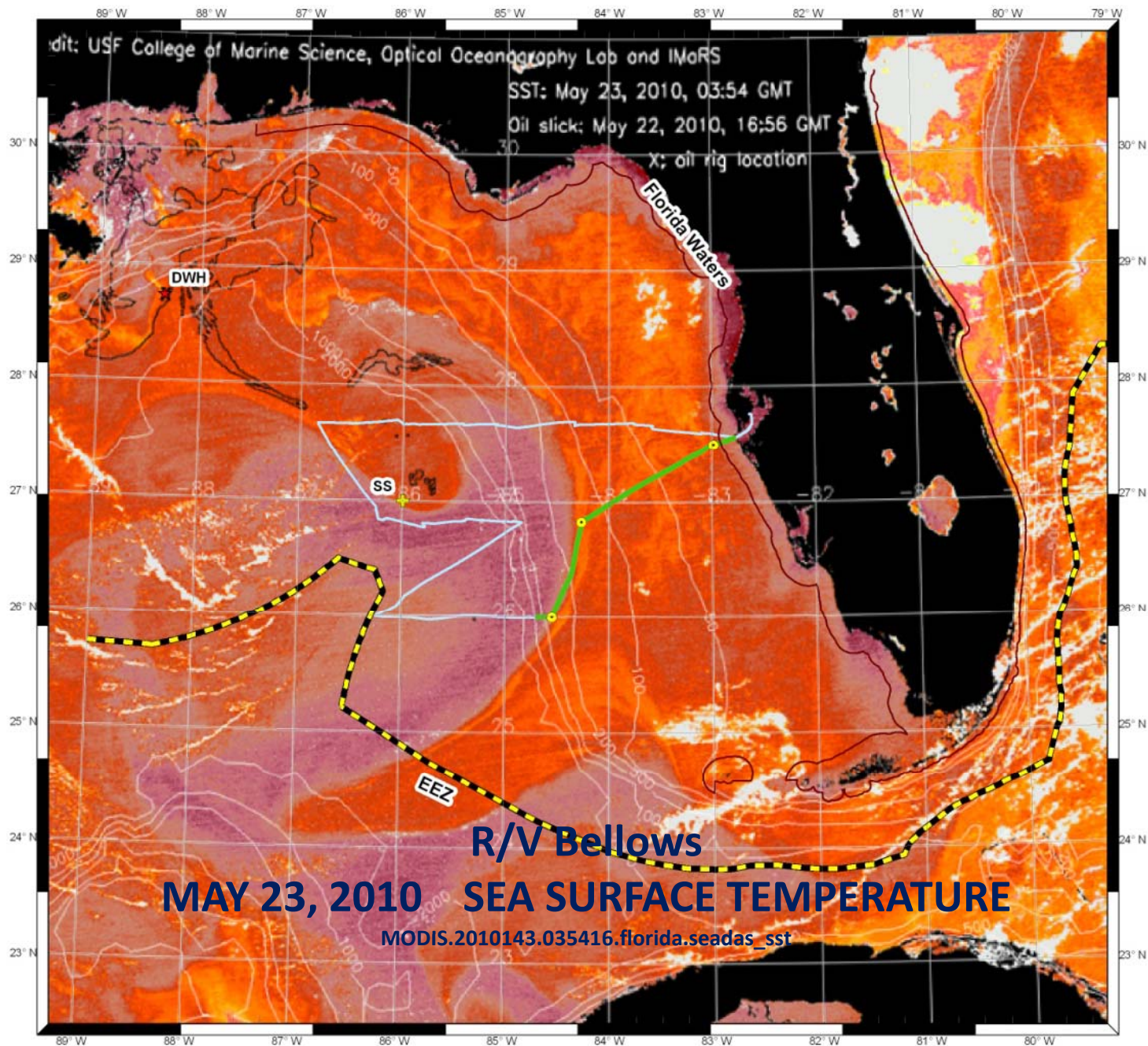


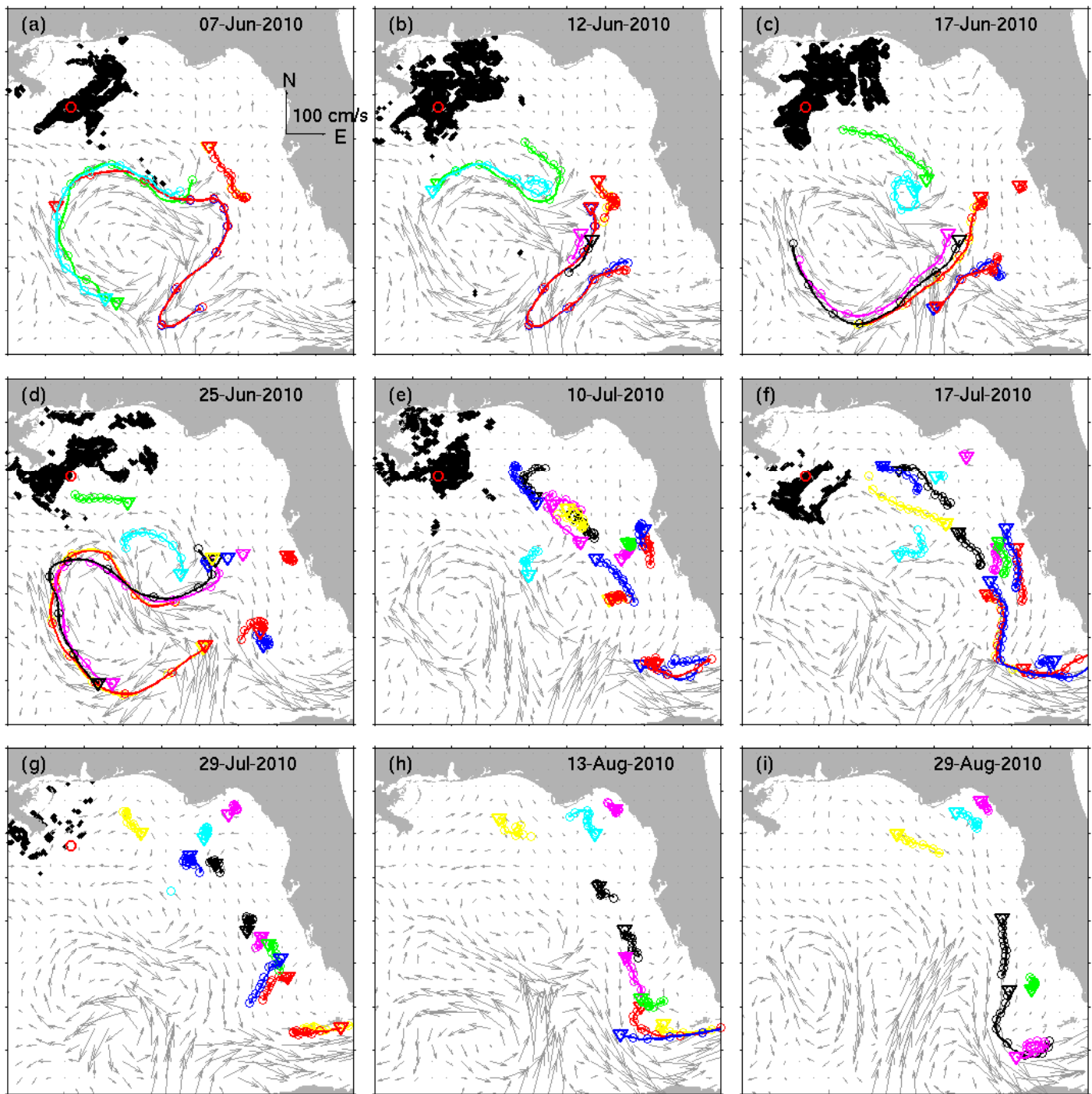
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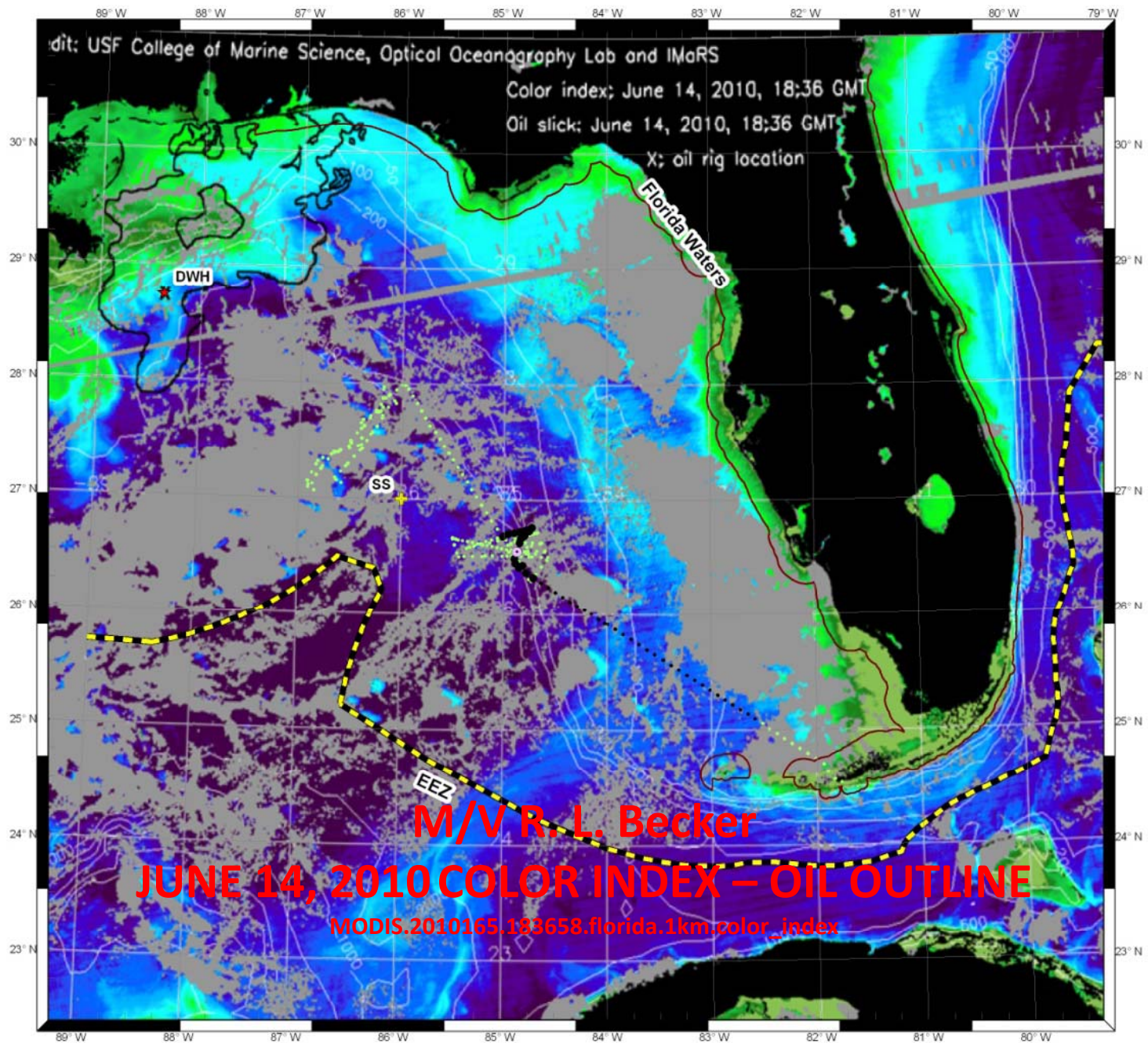




052110 2118.00









061410 1019.5



061410 1635



061410 1857



061410 1902.5



061410 1929.0



061410 2043.7



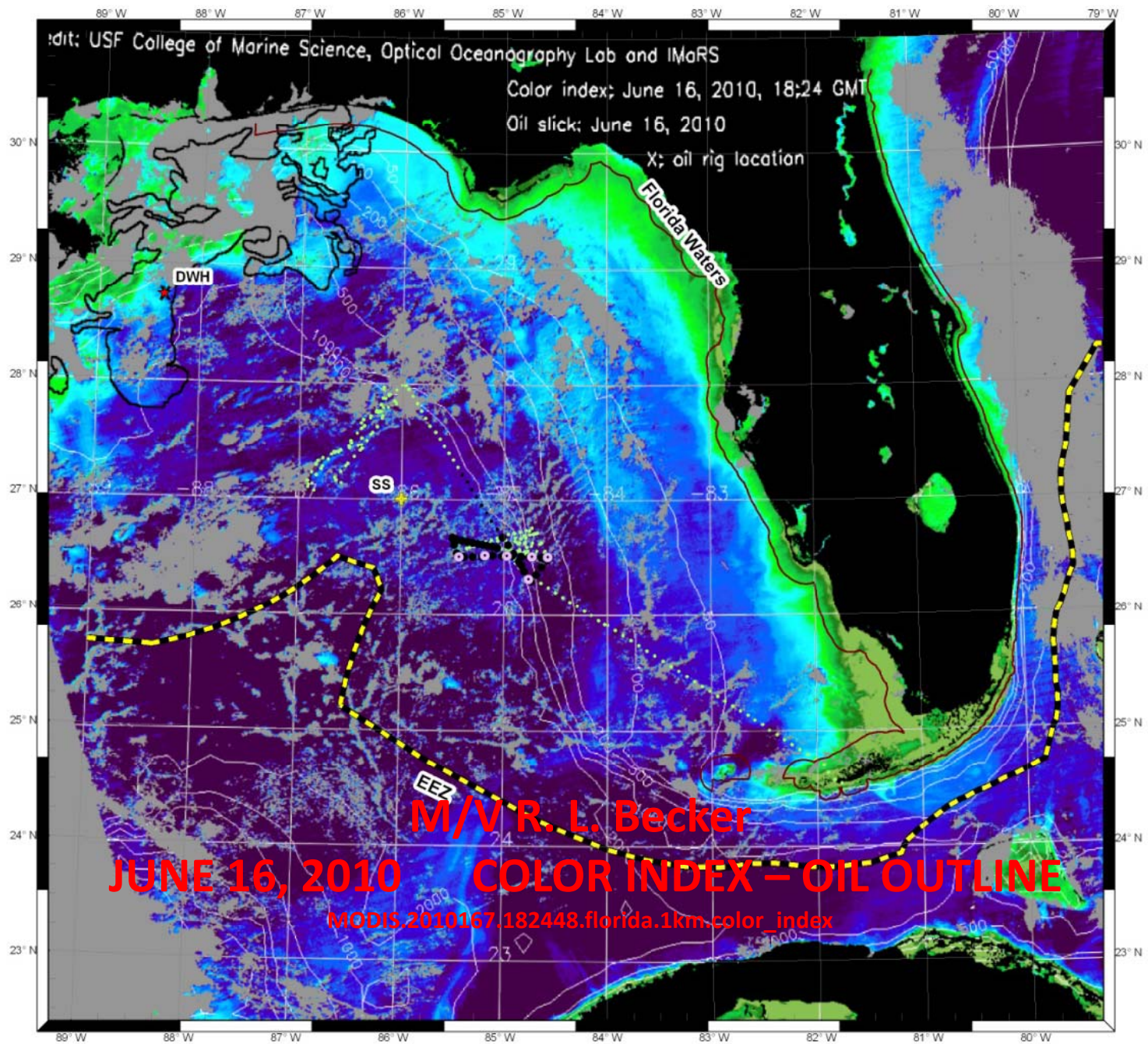
061410 2044.3



061510 0919.3



061510 0919.7





061610 1021



061610 1136



061610 1321



061610 1807



061710 0702.7



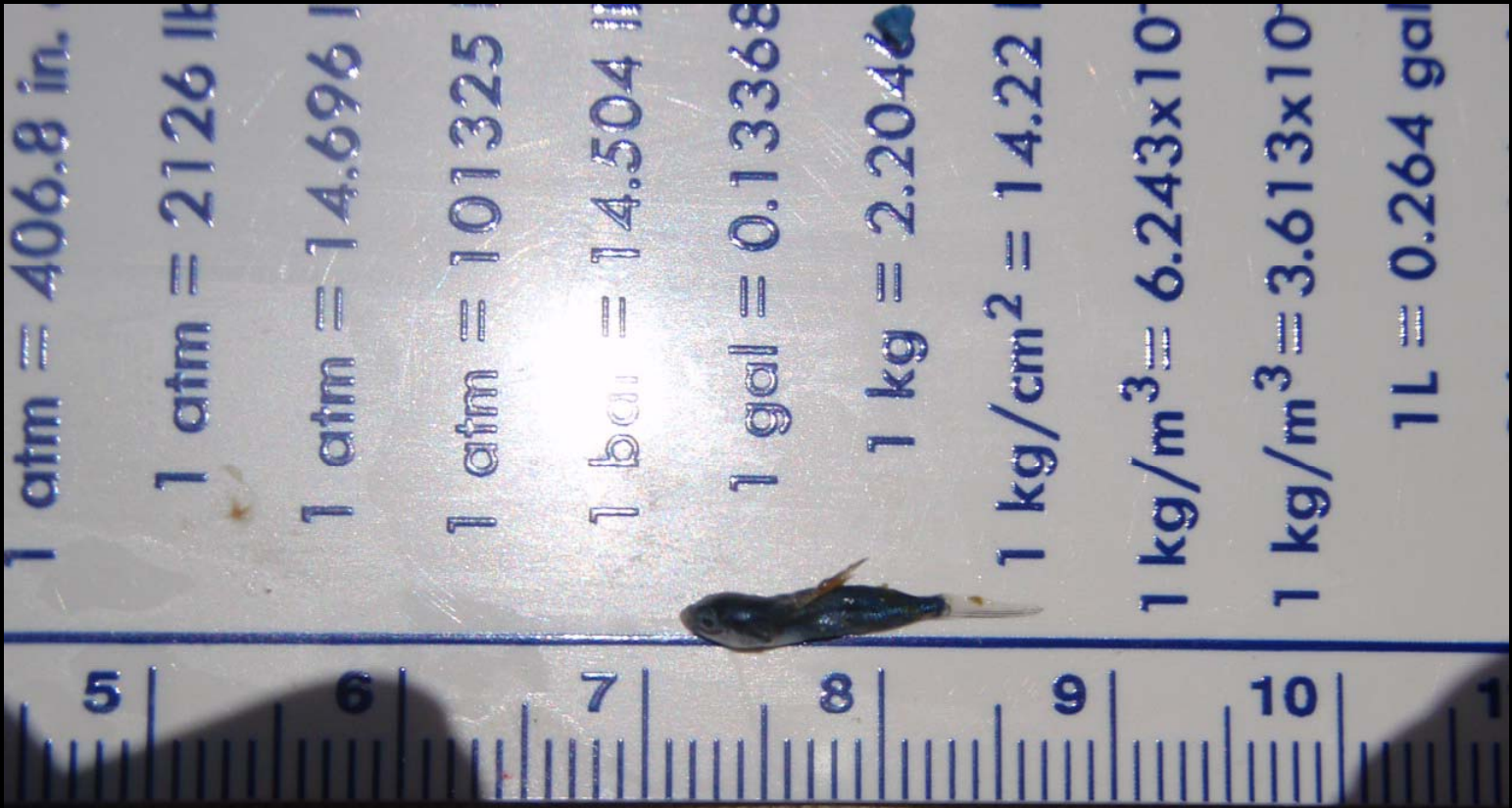
061710 0829.3



061710 1207



061710 1219.0



061710 1241

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Applications for over 30 years

Useful Conversion Factors

1 atm = 406.8 in. of H₂O

1 atm = 2126 lb/ft²

1 atm = 14.696 lb/in²

1 atm = 101325 N/m²

1 bar = 14.504 lb/in²

1 gal = 0.13368 ft³

1 kg = 2.2046 lb

1 kg/cm² = 14.22 lb/in²

1 kg/m³ = 6.243x10⁻² lb/f

1 kg/m³ = 3.613x10⁻⁵ lb/f

1L = 0.264 gal



061710 1254



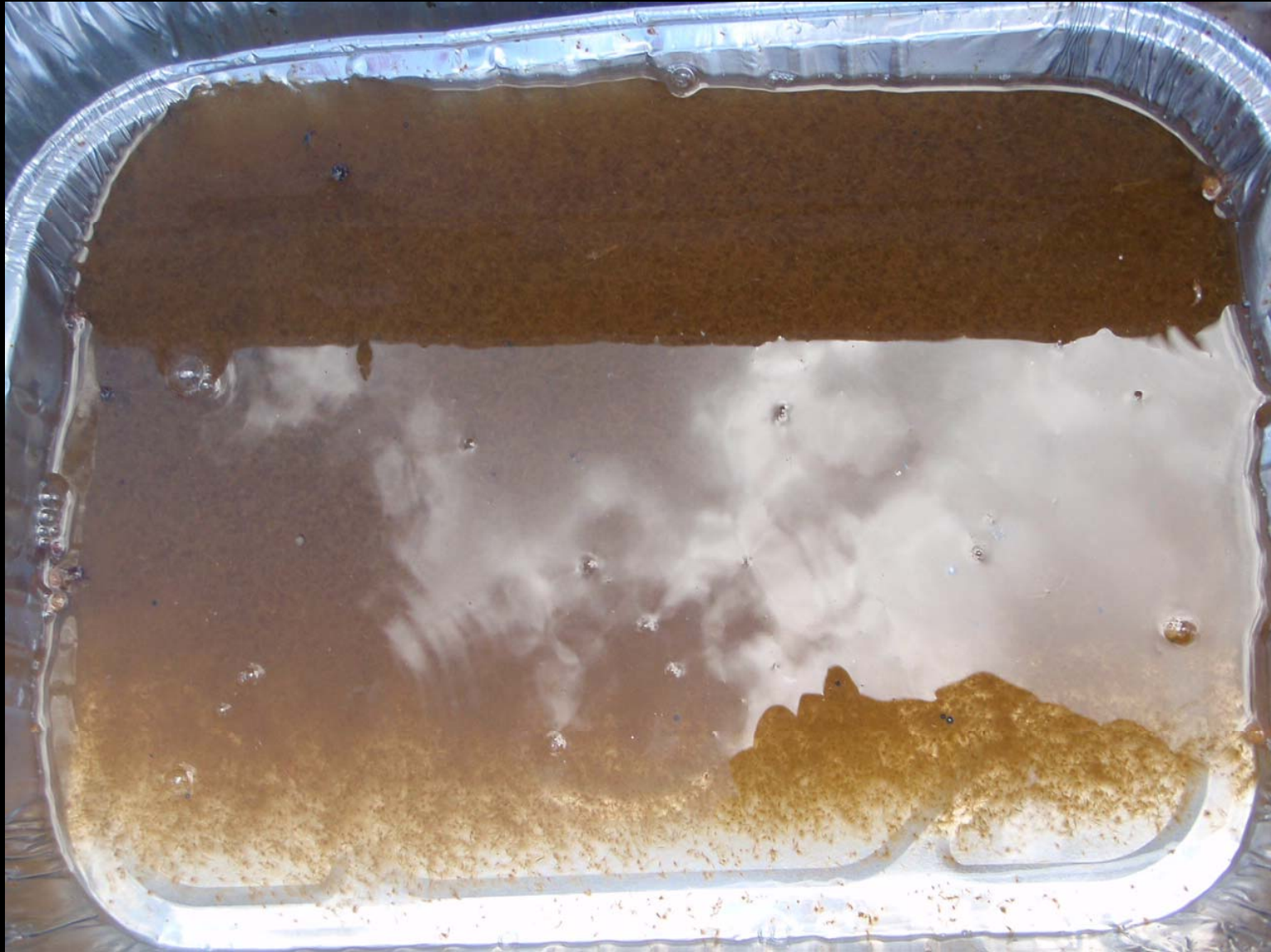
061710 1338



061710 1343



061710 1511



061710 1513



061710 1552.4

061710 1952.0



061710 1952.9





061710 2048.0



061710 2054



061710 2107



Recreational Vessels
 Rev. 9/00
EMERGENCY RADIO CALL PROCEDURES
16
 VHF-FM
 1. MAKE SURE RADIO IS ON
 2. SELECT CHANNEL 16
 3. PRESS HOLD THE TRANSMIT BUTT
 4. CLEARLY SAY: **MAYDAY MAYDAY MAYDAY**
 5. ALSO GIVE:
 VESSEL NAME AND/OR DESCRIPTION
 POSITION AND/OR LOCATION
 NATURE OF EMERGENCY
 NUMBER OF PEOPLE ON BOARD
 6. RELEASE TRANSMIT BUTTON
 7. WAIT FOR 10 SECONDS - IF NO RESP
 REPEAT "MAYDAY" CALL.
HAVE ALL PERSONS PUT
* Intentional hoax calls are a crime and subject to pr
 U.S. Coast Guard will not be held responsible for respond to p
 Selective Calling (SC) distress Channel 70
 U.S. Coast Guard Hotline (800) 368-5647

PLEASE REPORT CHEMICAL AND PETR
 STATE WARNING POINT (S)
1-800-320-0519
 FOR COASTAL AND WATERBORNE
 NATIONAL RESPONSE CENTER (C
1-800-424-8802
 ENVIRONMENTAL CRIMES, ILLEGAL DUMP
 *DEP (*337)



061710 2230



061710 2346



061810 0017



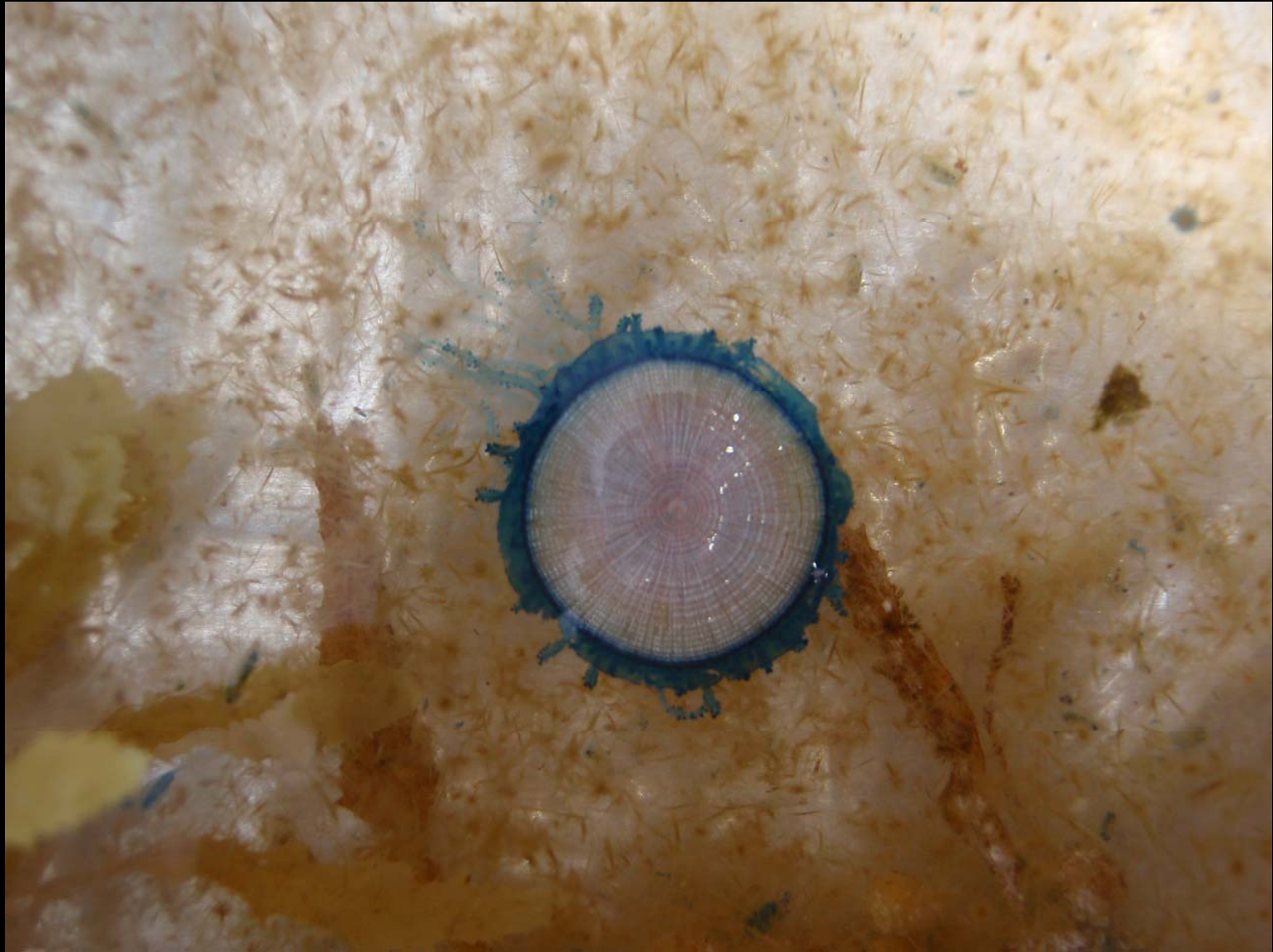
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061810 1213



061810 1539



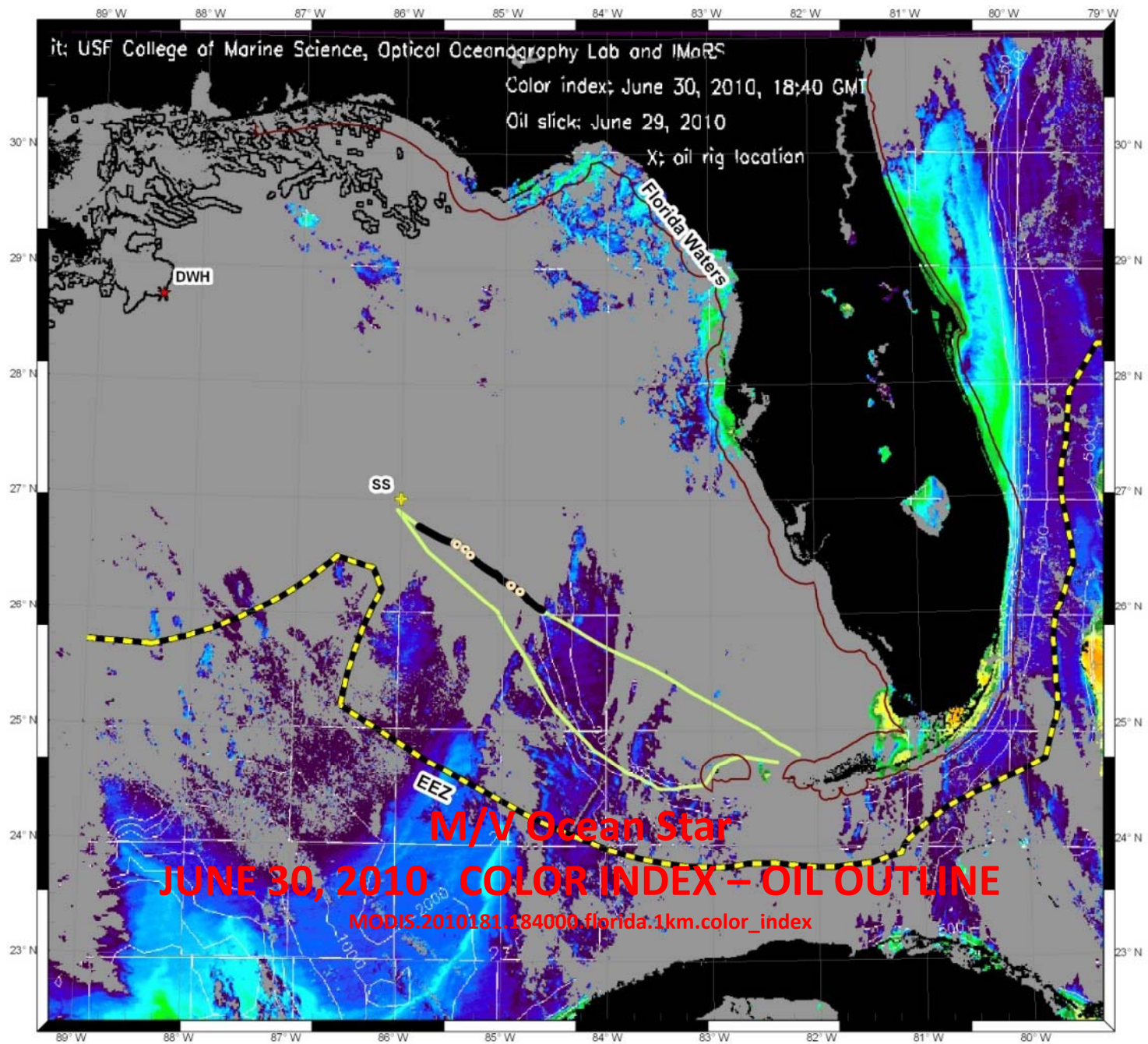
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061910 1101.2



062910 0847.3





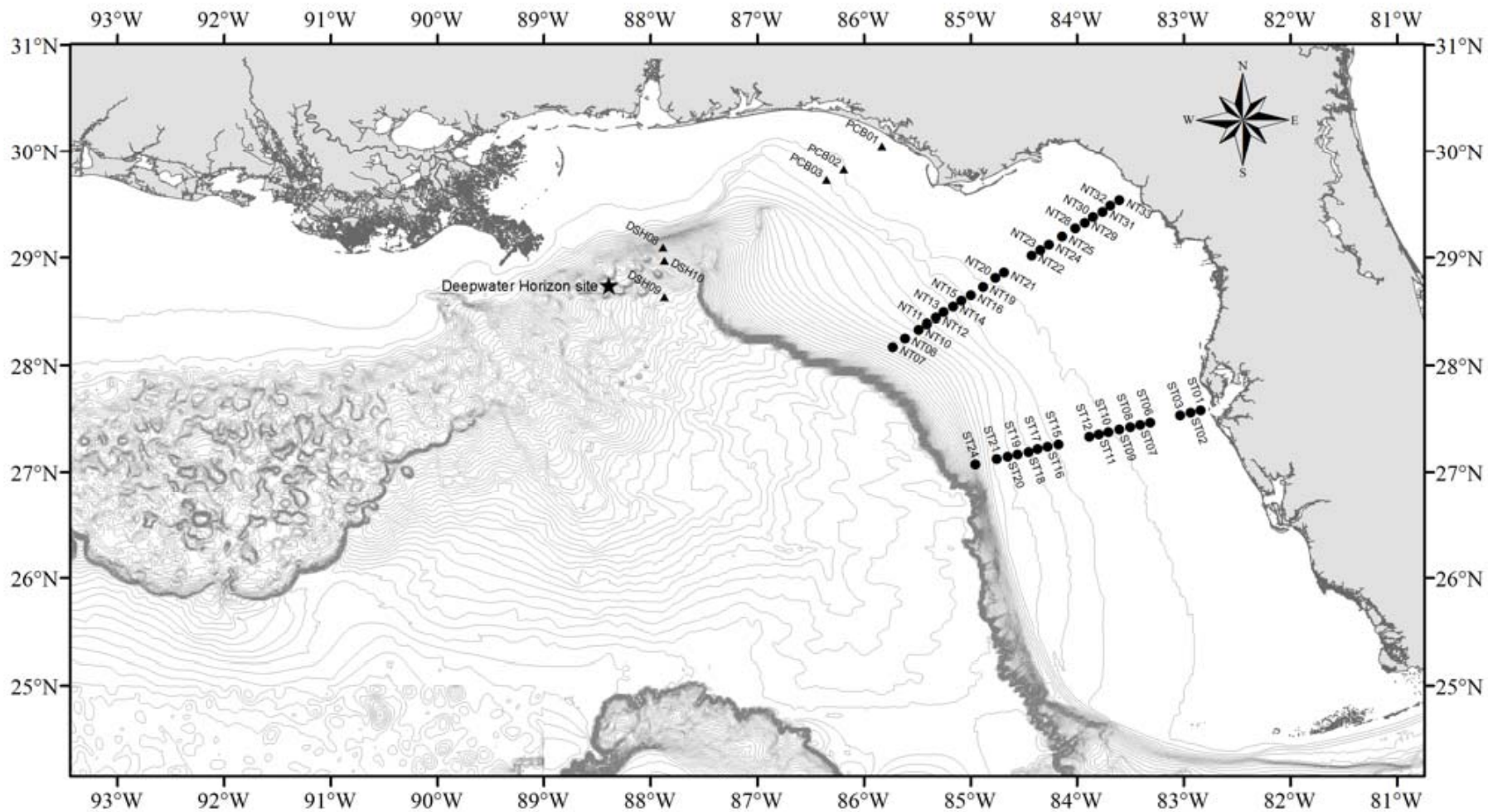
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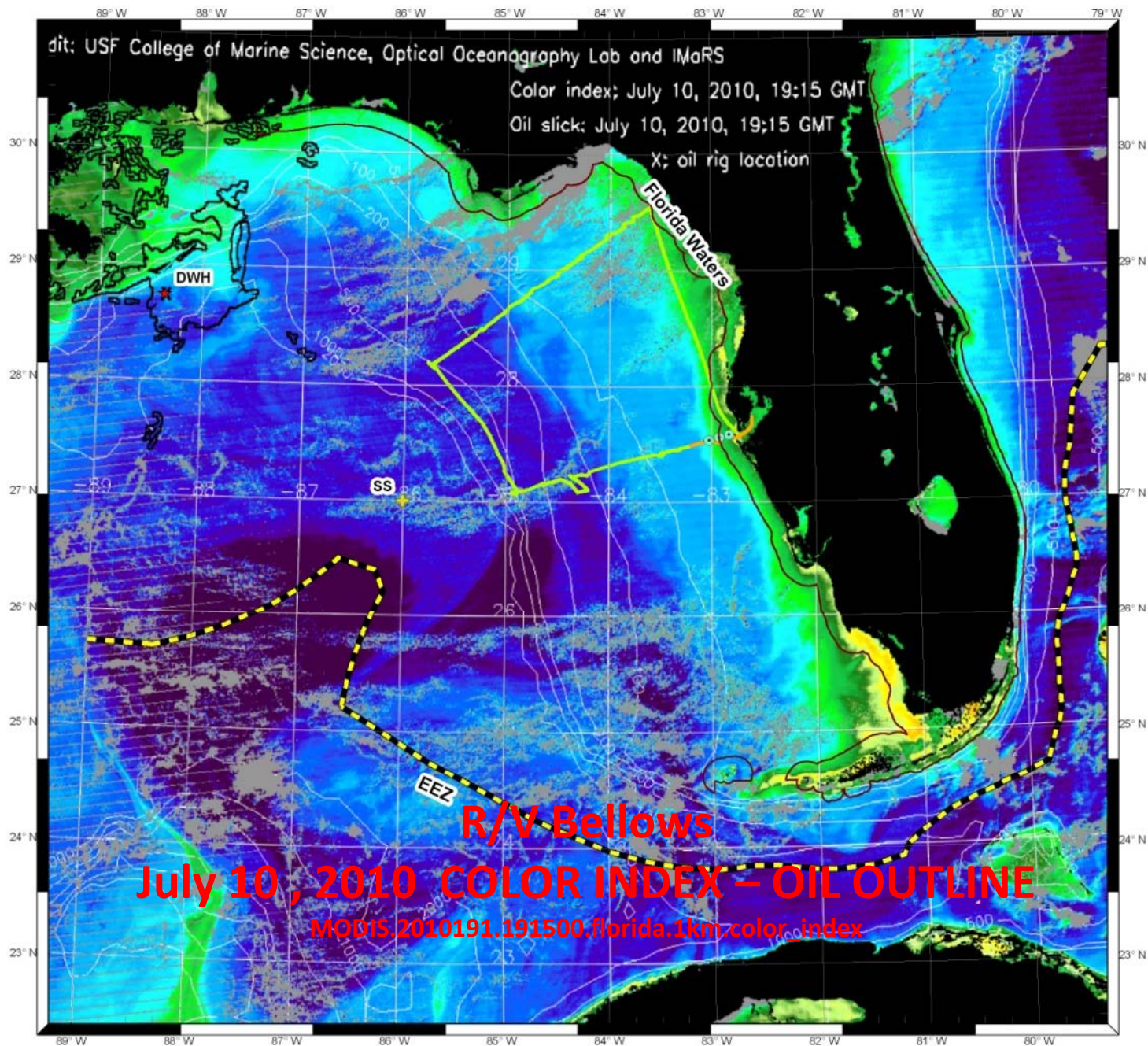


063010 1028.0



070110 0745.0







071010

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**Useful
 Conversion
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1 atm = 406.8 in. of H₂O
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 1 kg/m³ = 3.613x10⁻⁵ lb/in³
 1L = 0.264 gal
 1 m³/hr = 4.4 gal/min
 1 m³ = 35.31 ft³
 1 Nm³/hr = 0.589 scfm
 1 Pa = 1.4504x10⁻⁴ lb/in

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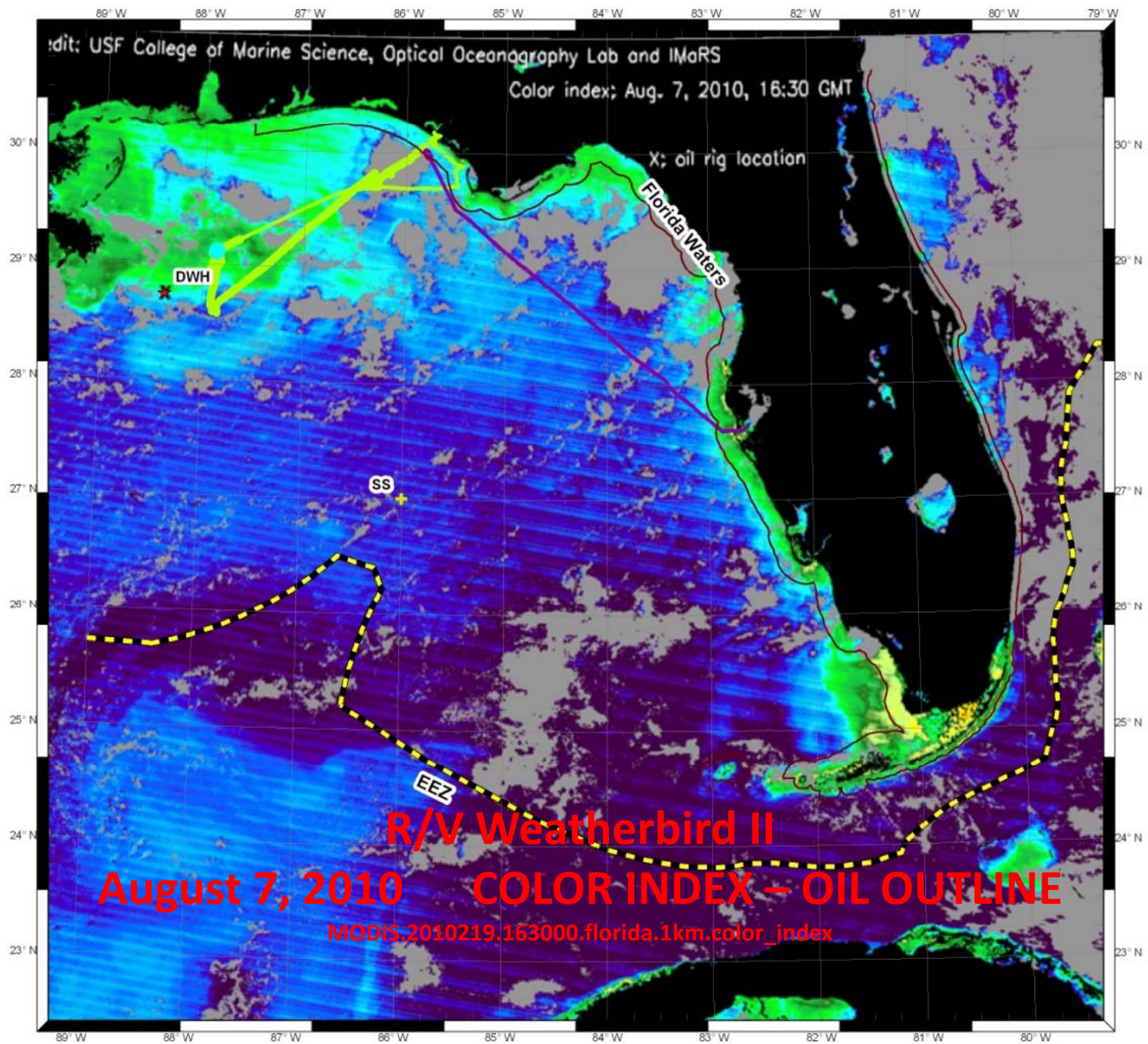
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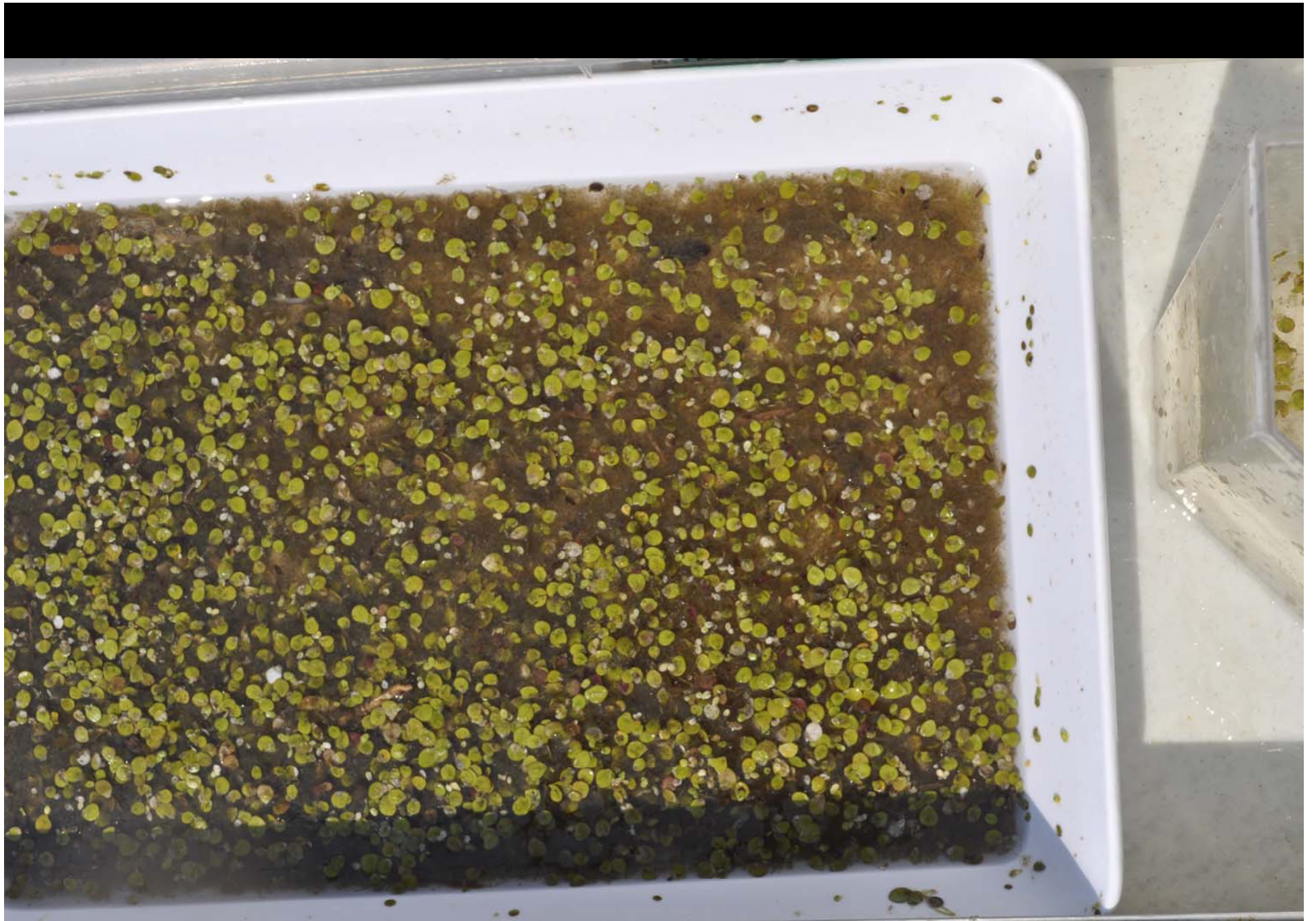


071510





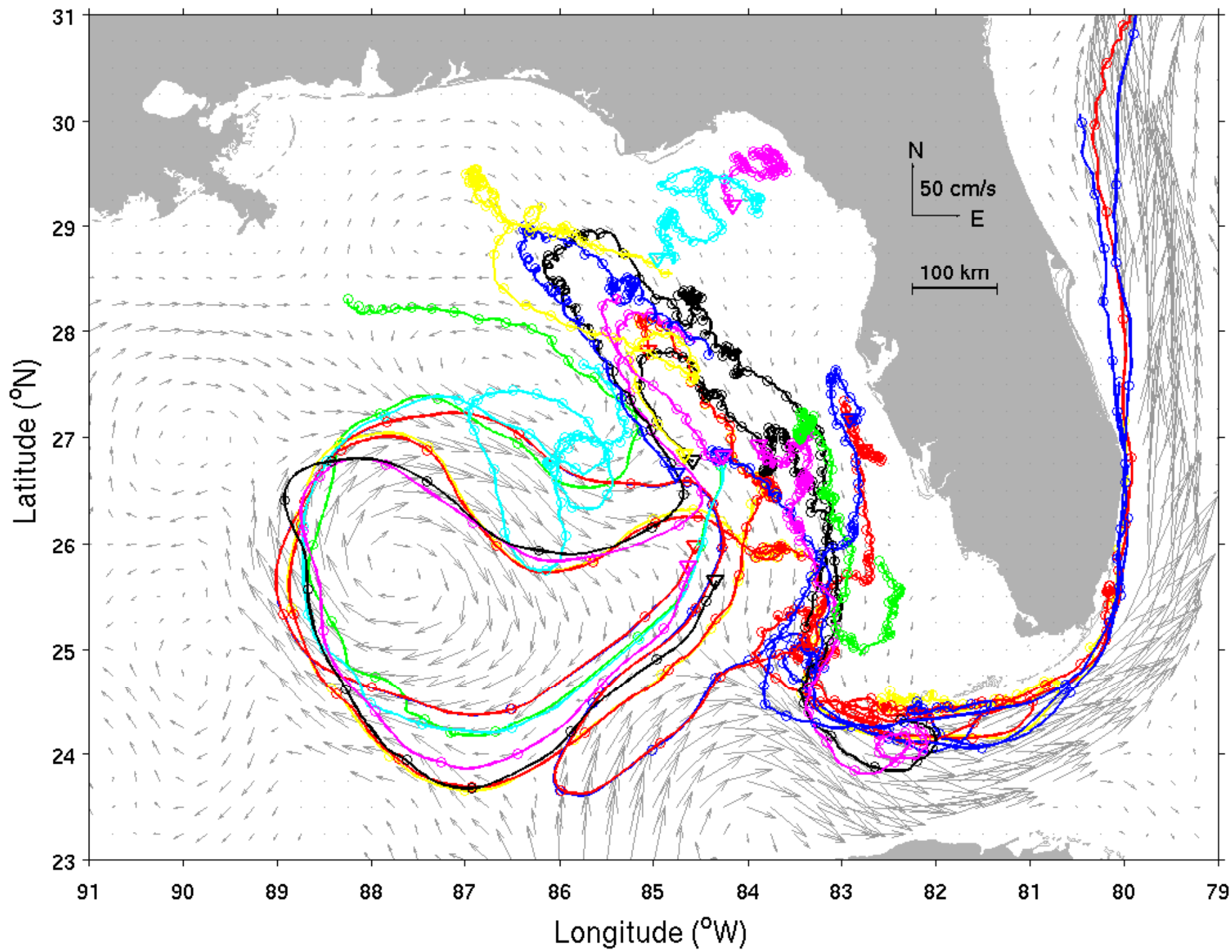
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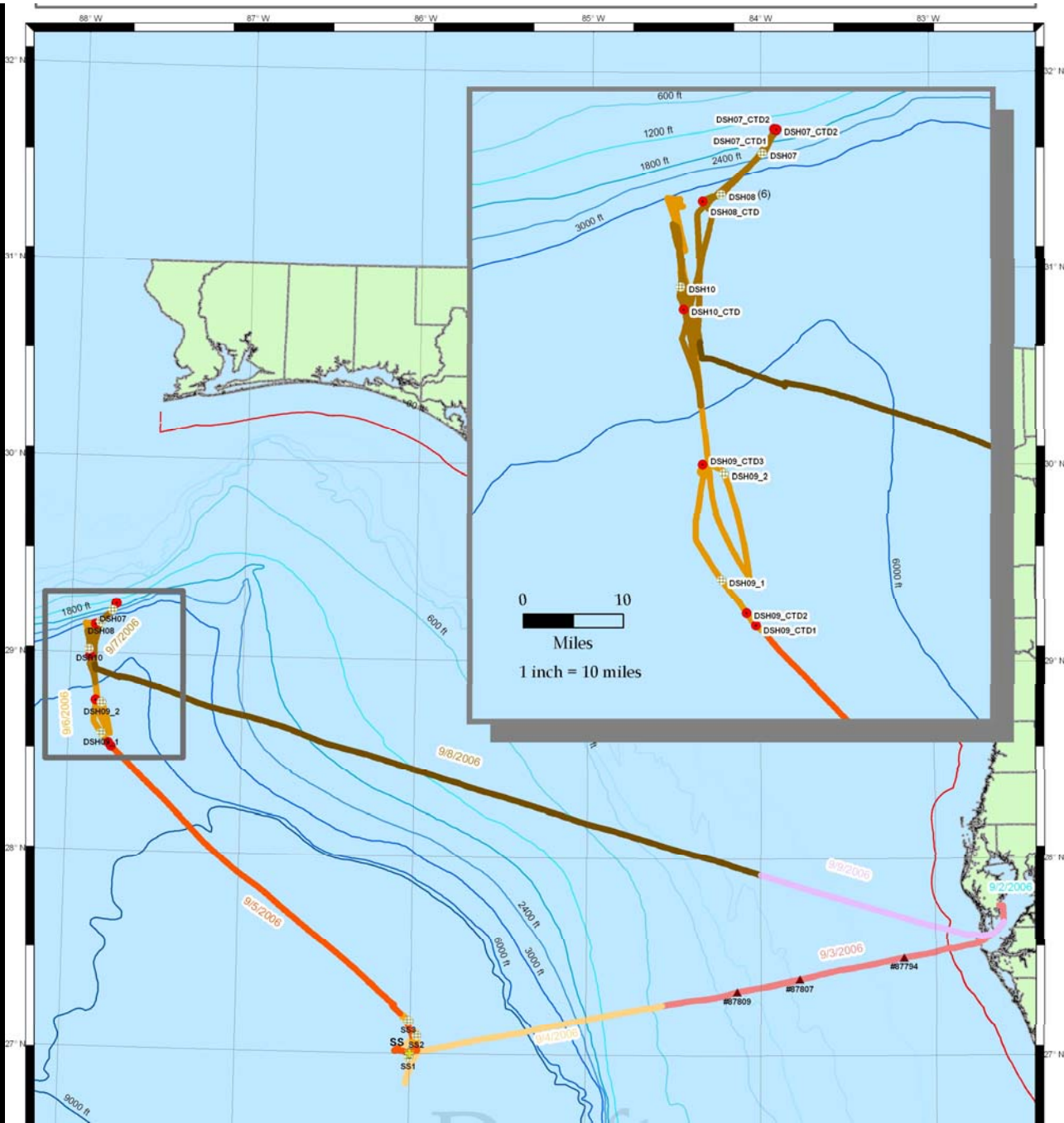


081010 1127.2



081010 1127.3





090310 - 091010



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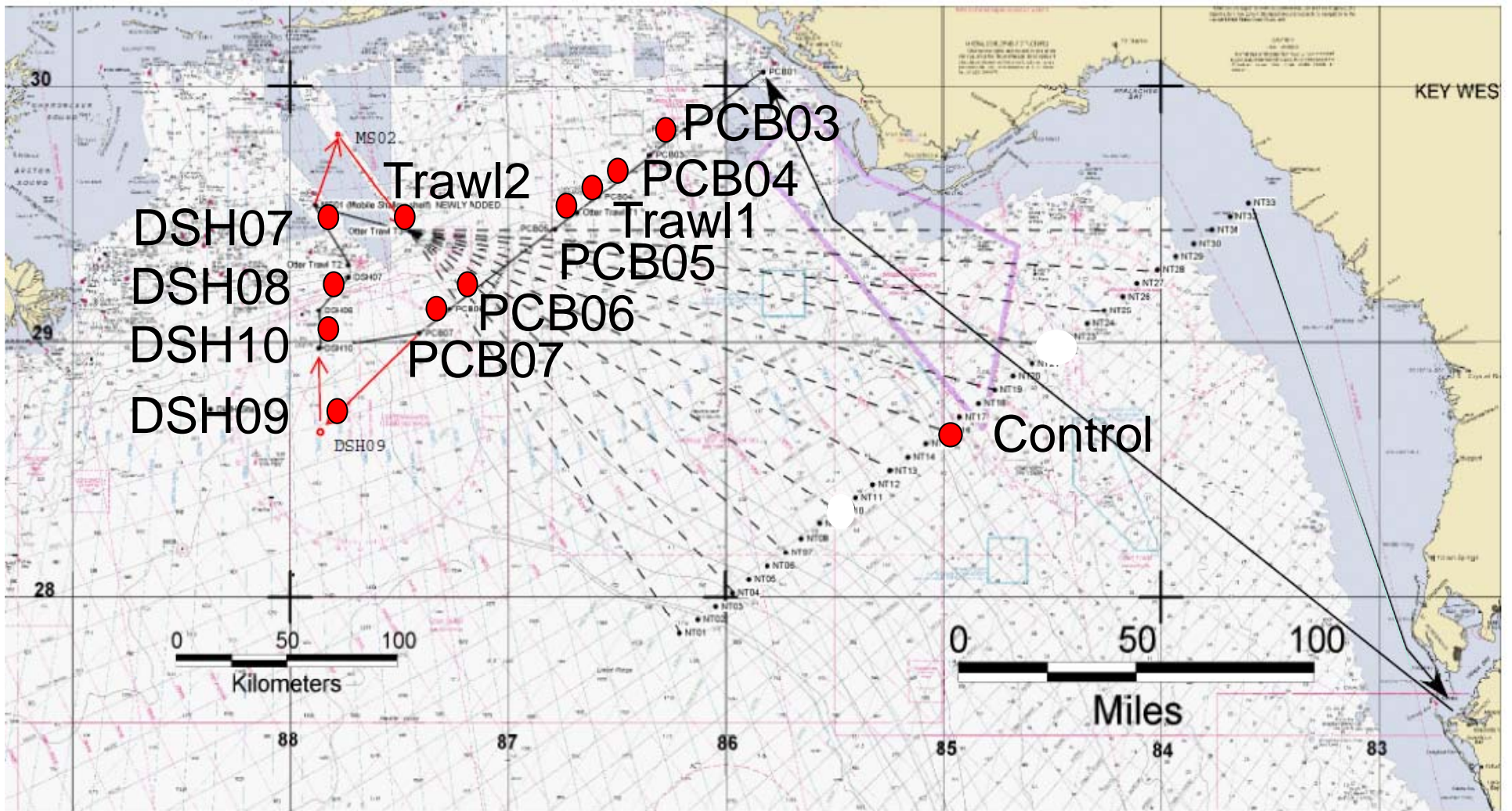
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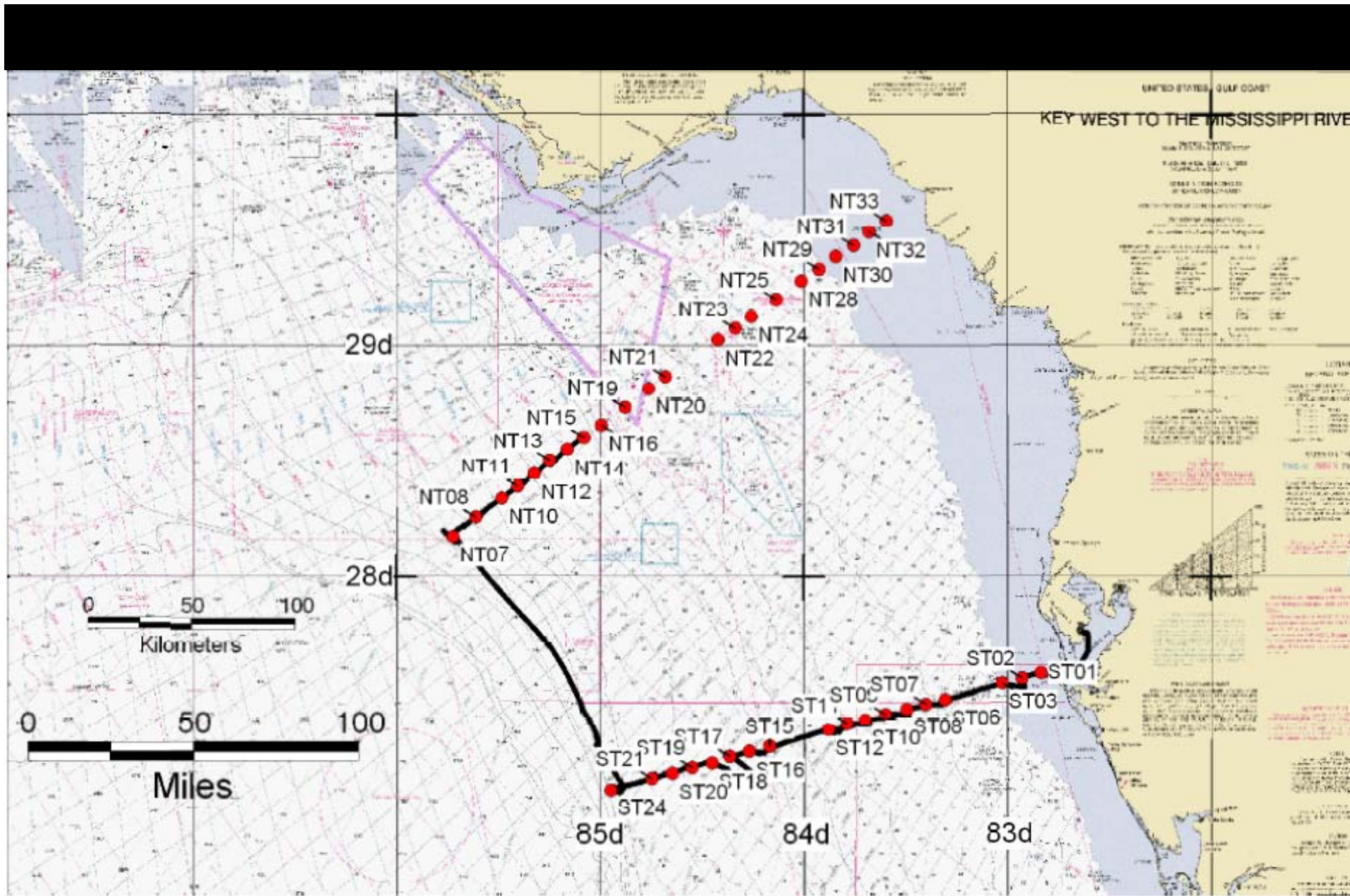
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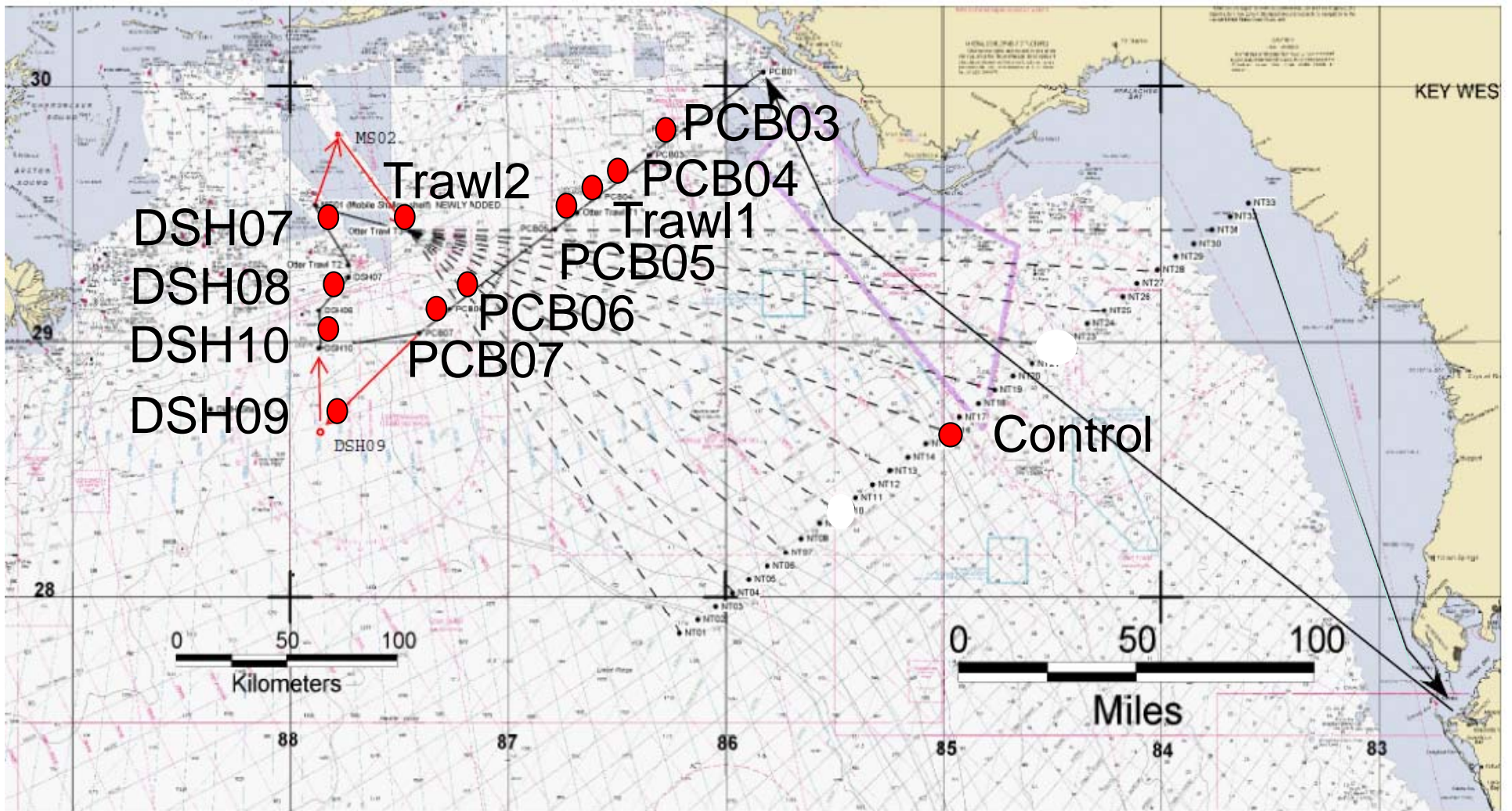
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113010 - 120810



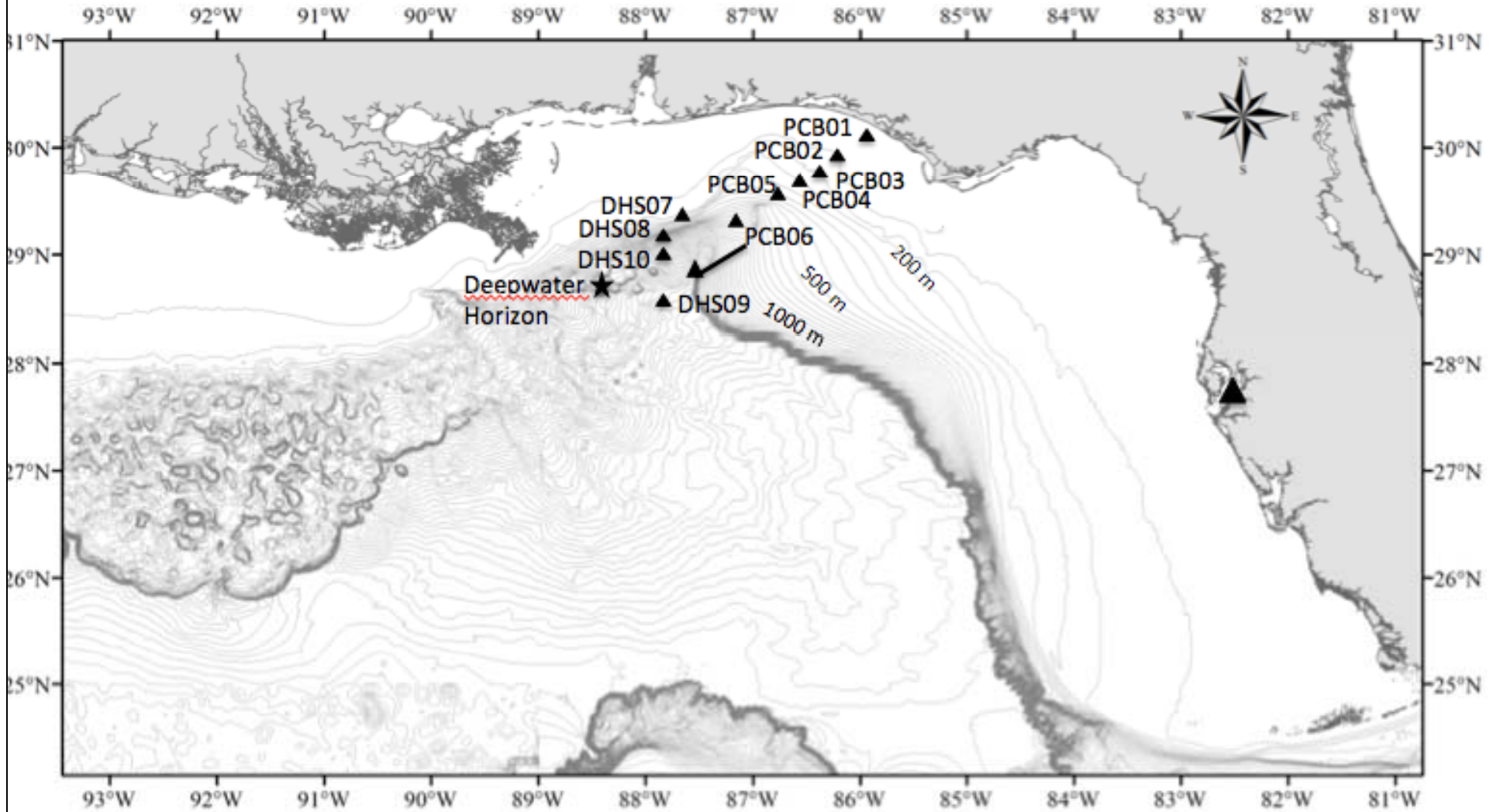
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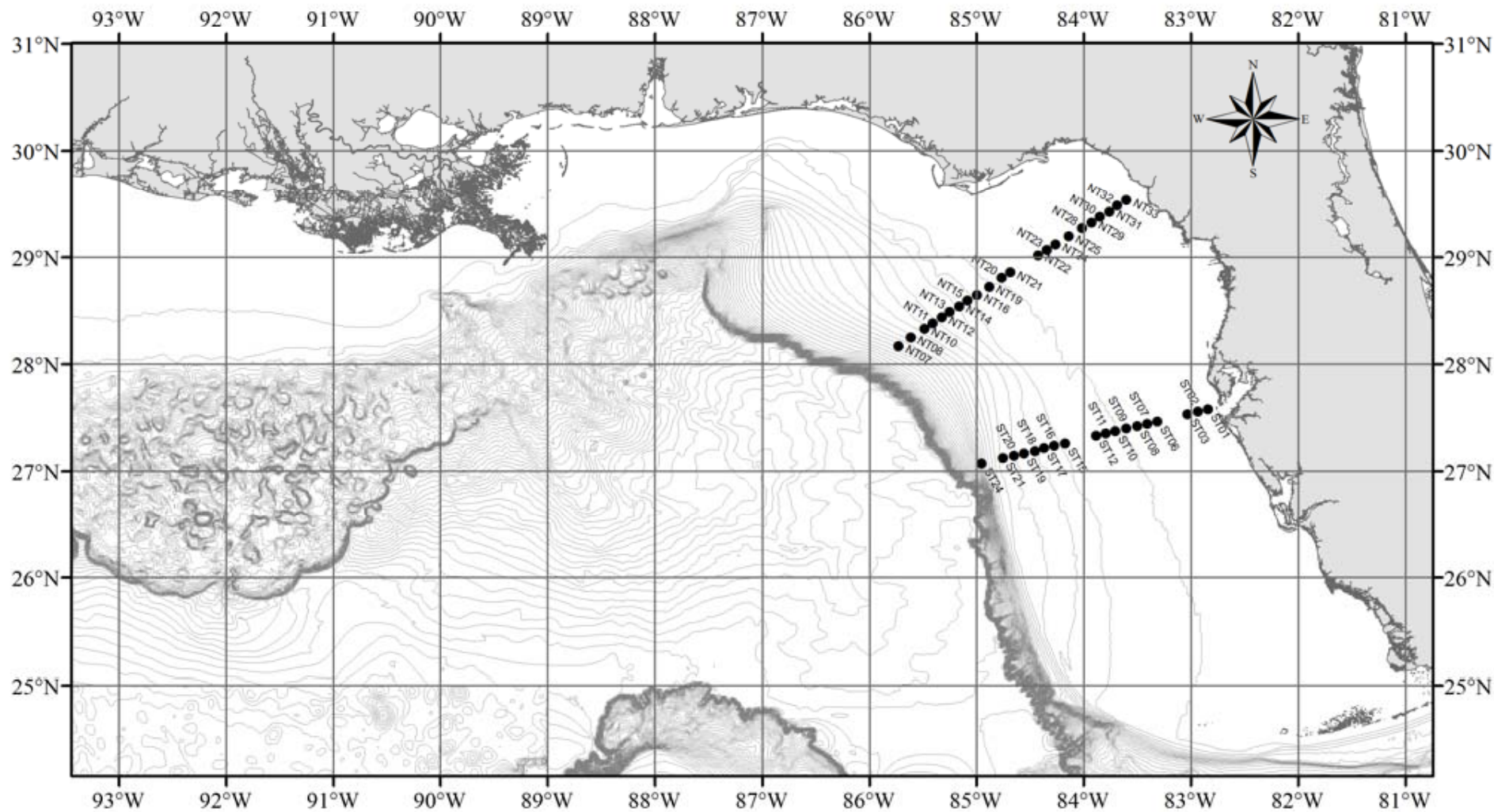
021711 - 022311



032111 - 032311



050311 - 050911



062511 - 062911



062911 1924

Nobeltec - [MAX Pro [<<399.497 nm>>] [Meters] - MAX Pro World Chart

File Edit View Tools Radar Sounder Window Help

M/Y Nobeltec
 Lat: 27 43.910 N
 Lon: 082 36.648 W
 SOG: 8.2 kts
 COG: 359 T

Cursor Position
 Lat: ---,---
 Lon: ---,---
 05:39:20 AM
 MULLET 26
 ETA: Never
 TTG: Never
 Rng: 7.776 nm
 RBC: ---
 Hdg: N/A
 Csr 3D Dpt: 49 m

Info MOB Weather Status Messages Active Mark T&C Targets Search GPS/Trip

GPS Com 8
 Lat: 27 43.910 N
 Lon: 082 36.648 W
 DGPS OK Accuracy: N/A Resolution: N/A

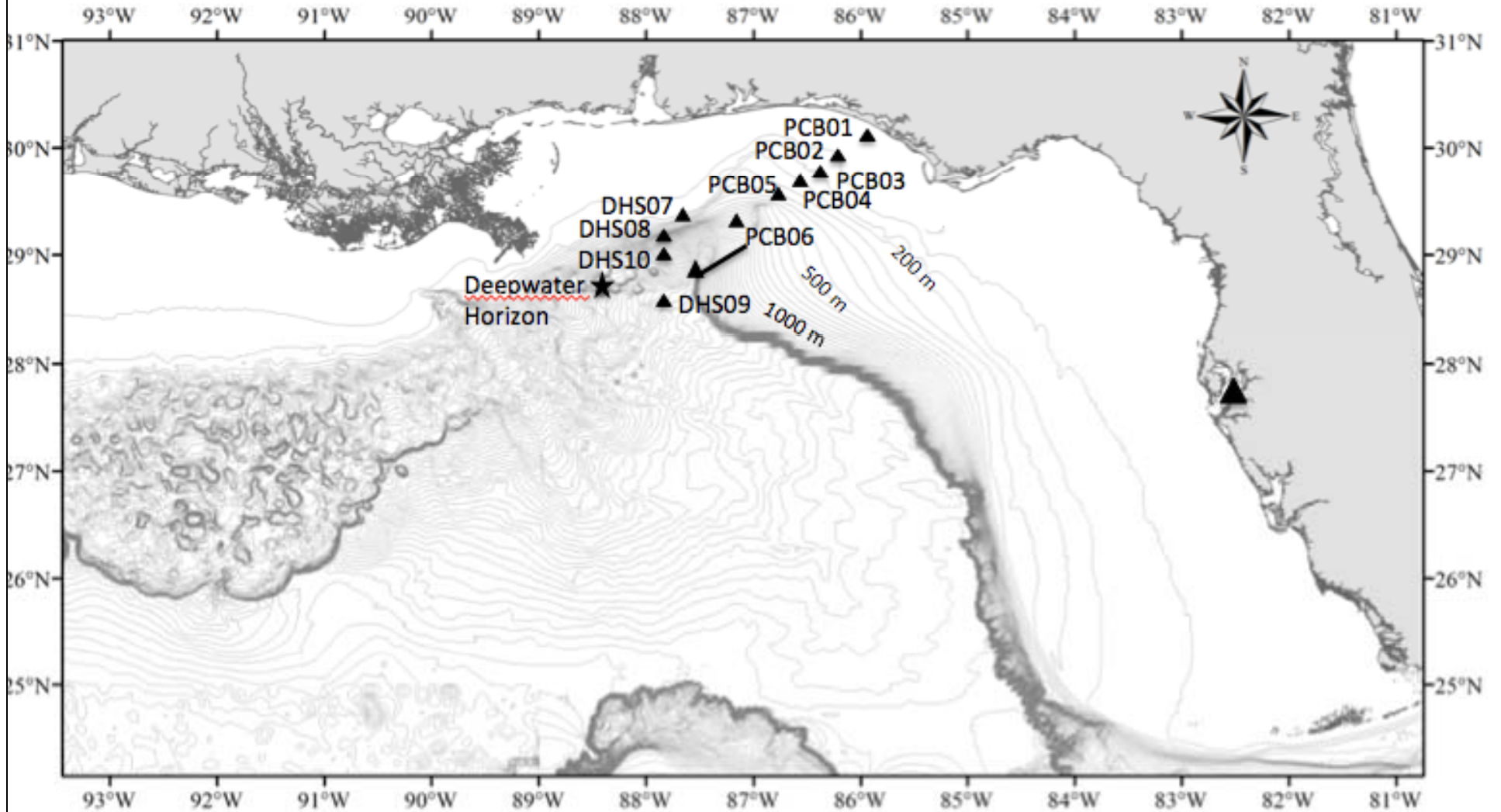
Trip Odometer
 7780.8 nm Reset

Odometer
 7780.8 nm

Trip #1	Speed
Time Set: 02/16/2011 8:14 AM	Avg. 4.0 kts
Duration: 1968:36:28	Min. 0.1 kts
	Max. 10.9 kts

start Nobeltec - [MAX Pro [...]] Removable Disk (E:) 36 5:39 AM

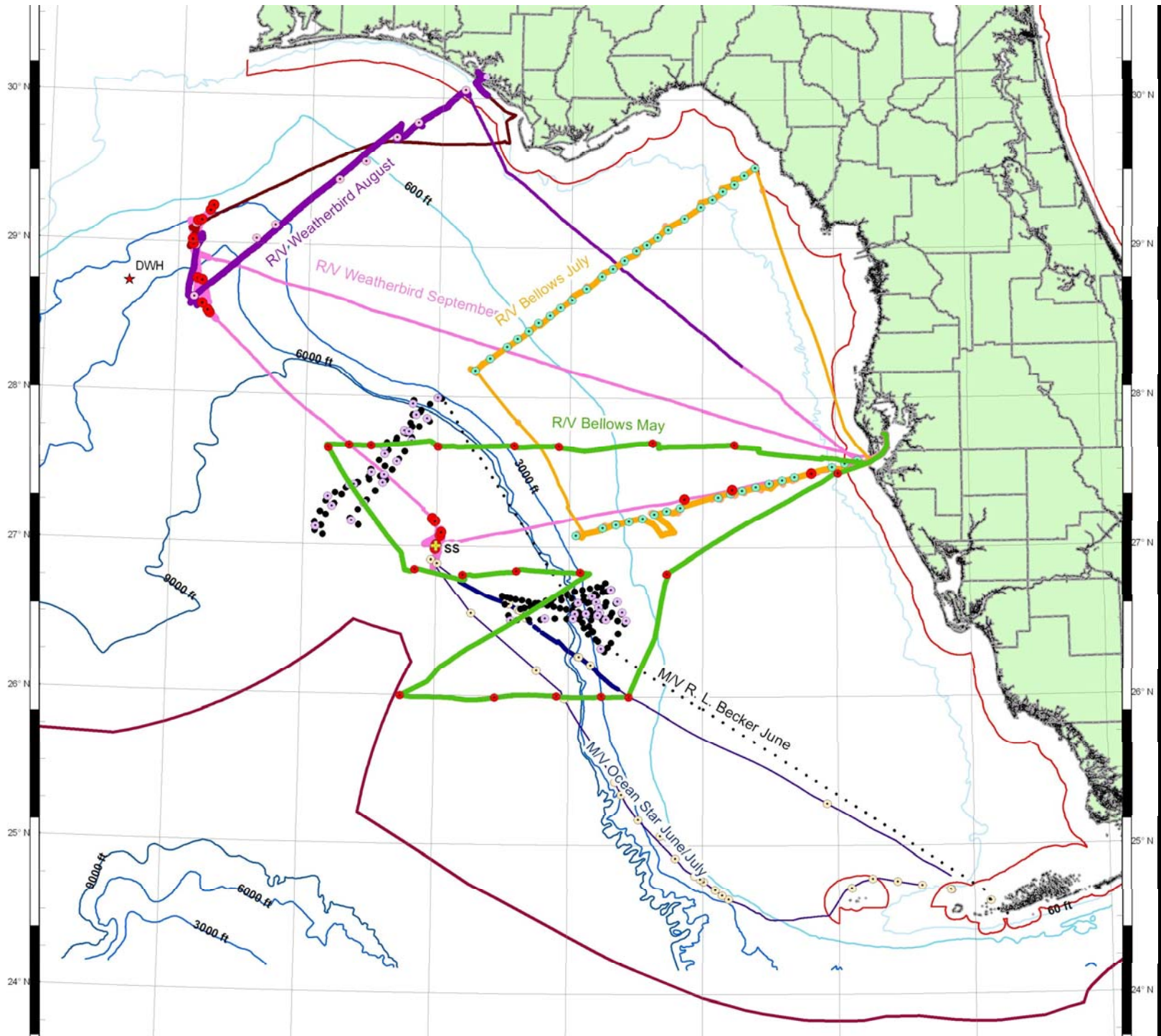
091211 - 091711

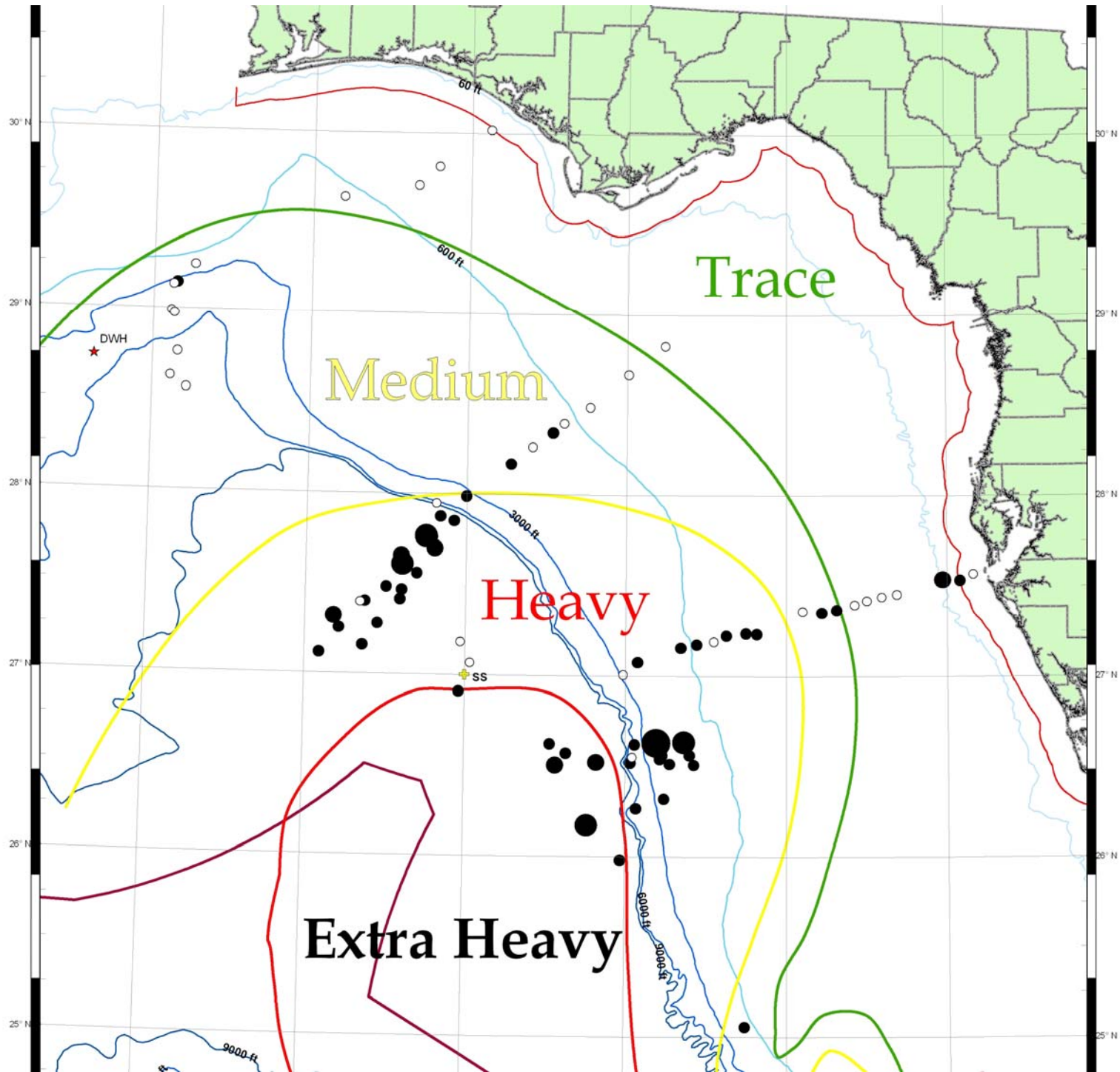


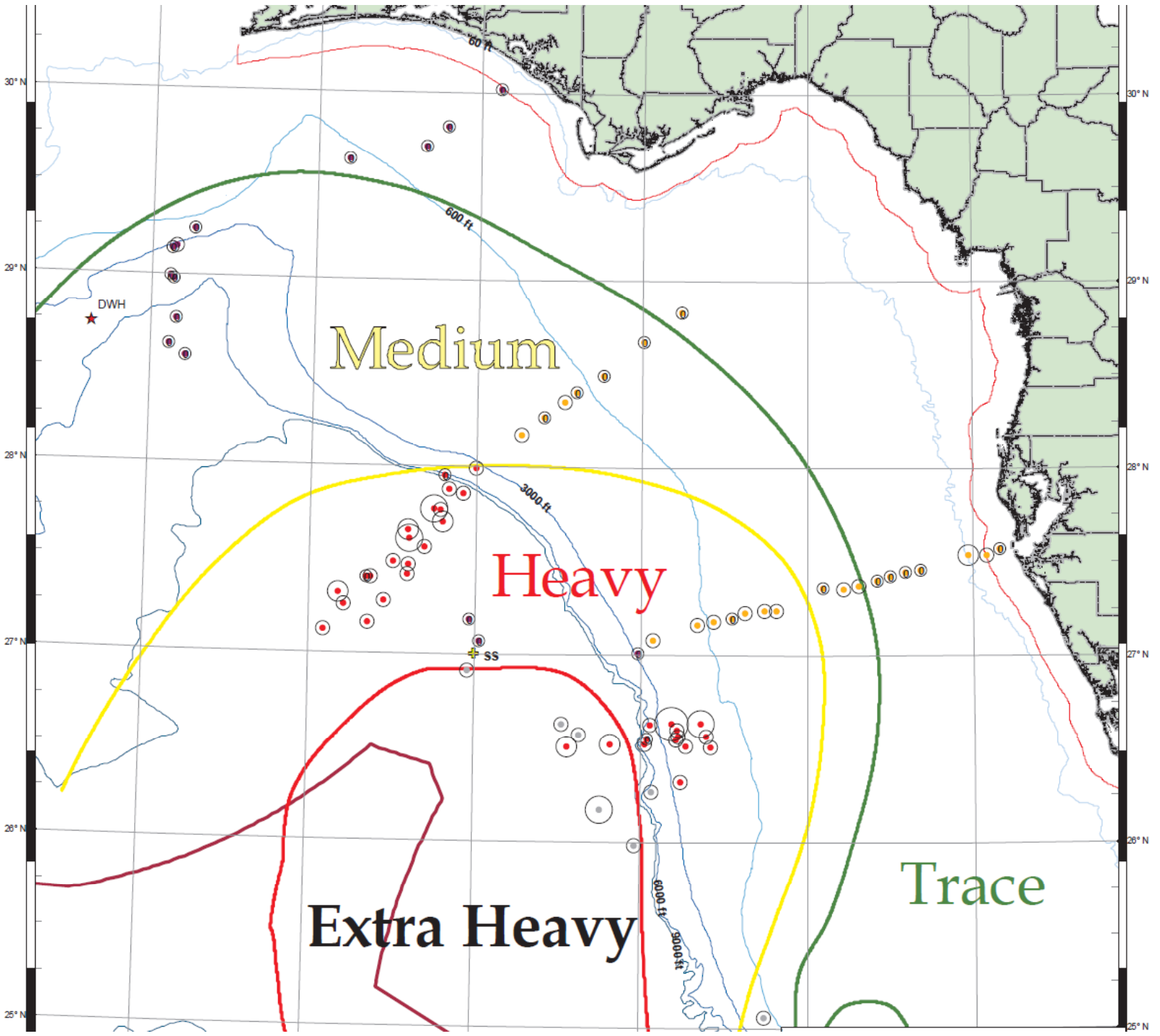
092011 - 092811



092711 1851

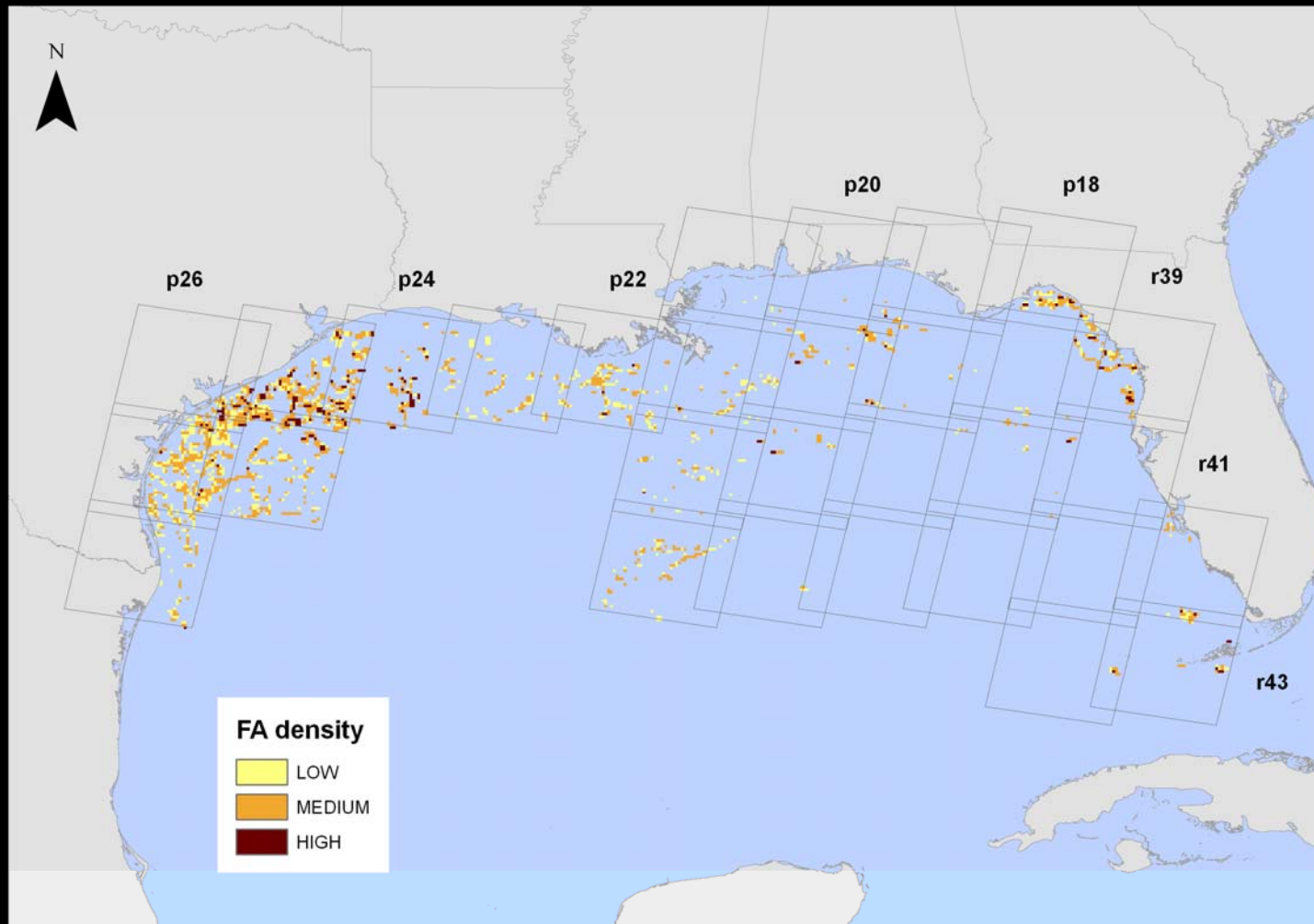






Sargassum Distribution for 2010

Robert Hardy, FWRI/USF



~ 500 images, 200 GB data, Visualization

Can We Distinguish Sargassum from oil?

They Appear Similar on Color Photos



Aircraft photo 86°52'35 27°15'20"); 05/20/2010

(Credit: Paul Carlson, Florida Fish and Wildlife Conservation Commission)



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