

## **Ryan Chouest daily data transmission and report**

***Period covered: 14.00 06/08/2010 – 11.34 06/09/2010***

***165.9 Nautical miles covered***

### **Vessel science party:**

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### **Contact details:**

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### **Cruise notes:**

Update in full daily report

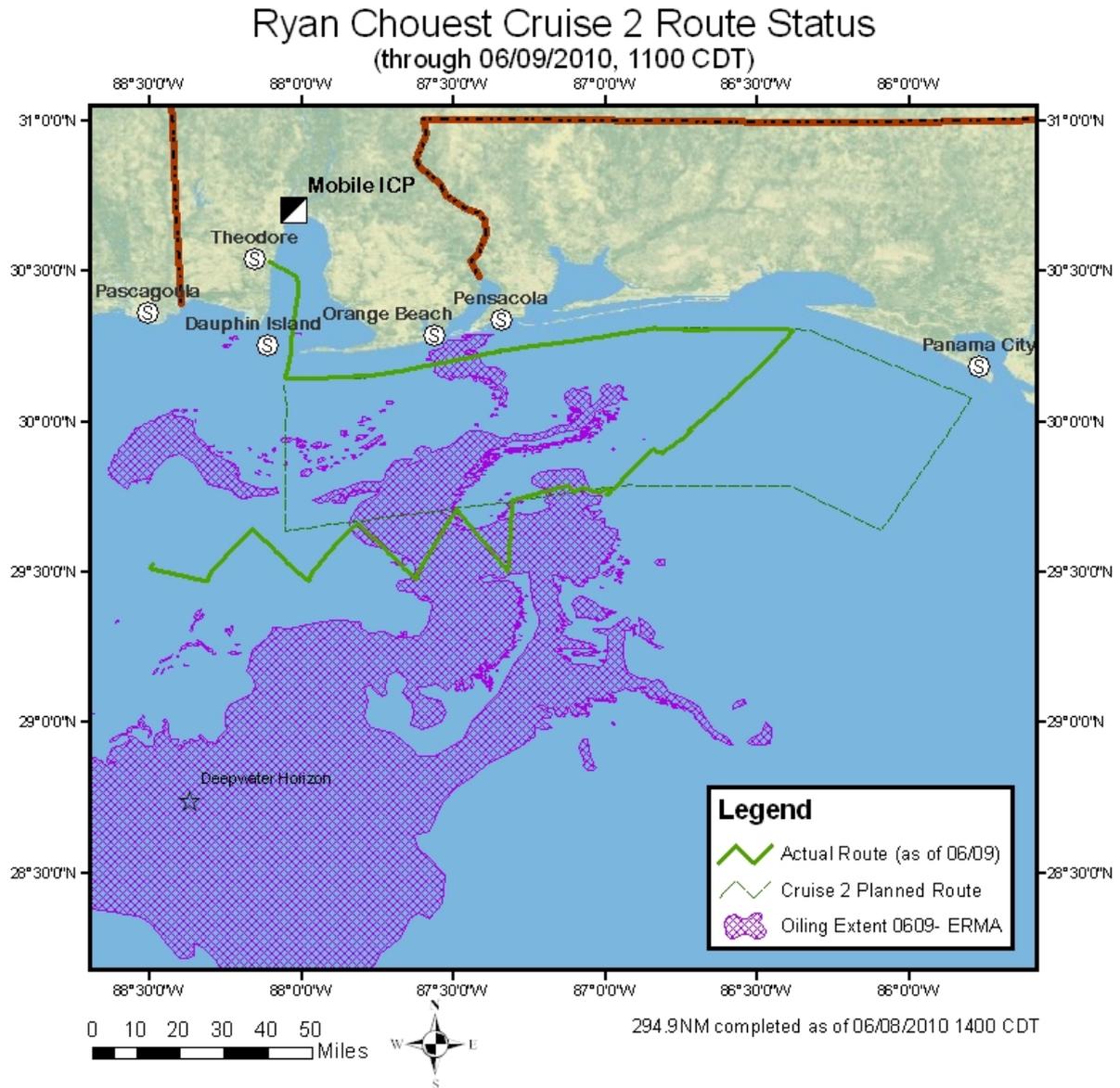
### **Science results and preliminary interpretation:**

Update in full daily report

### **Vessel science operations:**

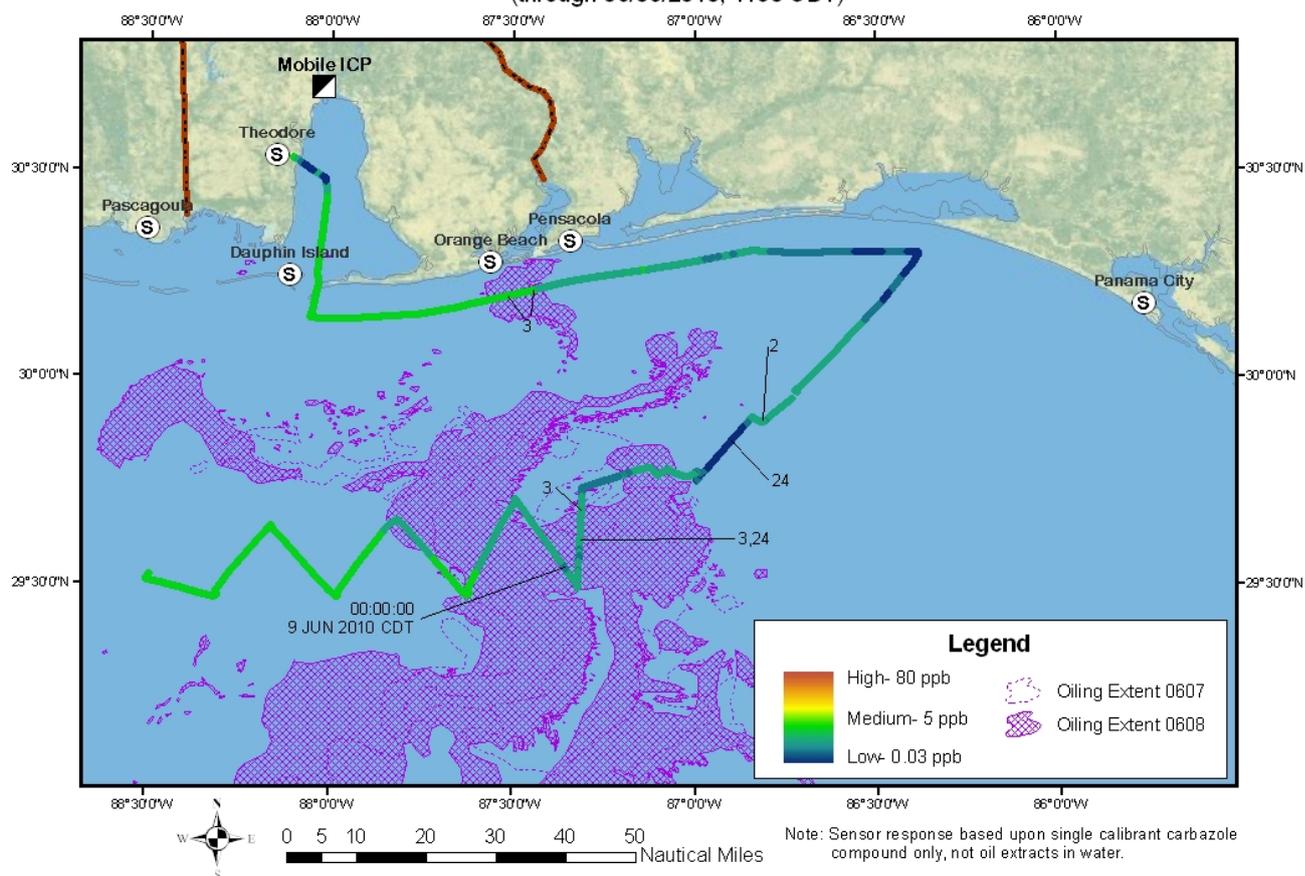
Work continues to occur to enhance the data interpretation, integration and reporting. Also we are working on the calibration and validation of the EPA validated solid phase extraction method for the separation of hydrocarbons from seawater. These tests will allow us process water samples and present the gas chromatograph mass spectroscopy (GCMS) data on the next cruise and will help us with the calibration of the sensor instrumentation.

**Planned versus actual route taken cruise 2:**



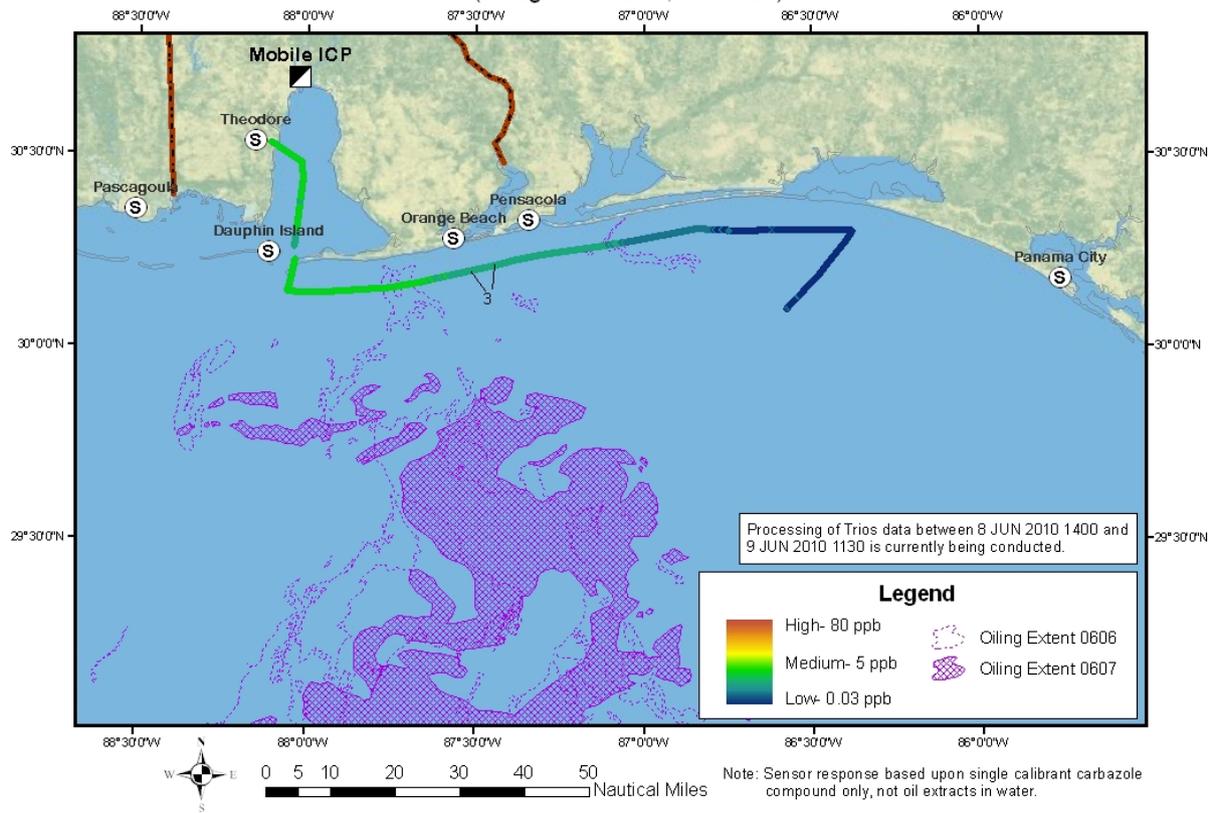
**Figure 1:** Actual route course plotted between 20:00 06/07 – 14:00 06/08. Purple shaded area represents outline extent of the slick from 06/08 ERMA composite.

Ryan Chouest Cruise 2 Data  
 Chelsea- Fluorometer  
 (through 06/09/2010, 1130 CDT)



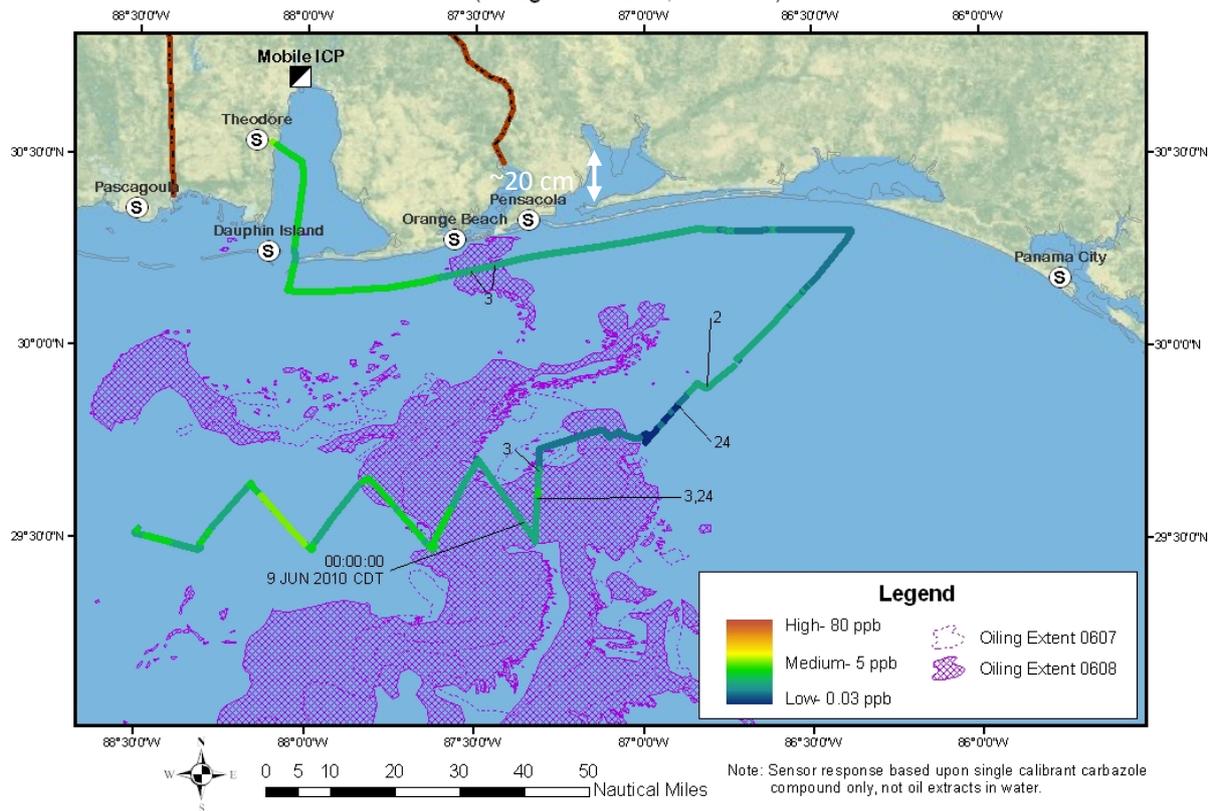
**Figure 2:** Chelsea fluorometer results plotted with location on cruise 2 track. Breaks in data occur when either data quality is poor or the systems were turned off due to pump problems. The Slick observations and their type are marked by the pointers.

Ryan Chouest Cruise 2 Data  
 Trios- Fluorometer  
 (through 06/08/2010, 1400 CDT)



**Figure 3:** Trios fluorometer results plotted with location on cruise 2 track. Breaks in data occur when either data quality is poor or the systems were turned off due to pump problems. The Slick observations and their type are marked by the pointers.

Ryan Chouest Cruise 2 Data  
 Contros- Fluorometer  
 (through 06/09/2010, 1130 CDT)



**Figure 3:** Contros fluorometer results plotted with location on cruise 2 track. Breaks in data occur when either data quality is poor or the systems were turned off due to pump problems. The Slick observations and their type are marked by the pointers.

**Problems/operational issues:**

Update in full daily report

**Planned activities for next 24 hours:**

Update in full daily report