

August 9th | 2010

Ryan Chouest daily data transmission and report

Period covered: 0947hrs 08/08/2010 - 1016hrs 08/09/2010

180.582 - Nautical miles covered

Vessel science party:

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Cruise notes:

At 1200 hrs, the crew onboard the *Ryan Chouest* conducted an anchor drill followed by man overboard and fire drills. In addition there was a general safety briefing and the captain reiterated BP guidelines and safety requirements to the crew. The *Ryan Chouest* continued cruising west following the cruise 2 course, departing the coast off Panama City at 1430 hrs, with the echo sounder and underway pump system working alongside (Figure 1).

Science results and preliminary interpretation:

Fluorometry results

The Chelsea and Trios sensors indicate minimal inferred hydrocarbons levels through the track travelled in figures 2 and 3, respectively. The Contros maintained Mid-high levels with relative increase on the western segment of the track (Figure 4) from off the coast of Pensacola to the zigzag track, about 40 nautical miles SSE, off Dauphin Island.

Surface Observations

Dolphins, Sea turtle, occasional sargassum and Jelly fish sightings were made during the period travelled in Figure 1.

EK-60 Echosounder results

No echo sounder contacts were made over the period covered.

Science Operations:

Fluorometer measurements were logged for the majority of the period and observations of sea-surface conditions were made throughout. The EK-60 echo sounder is continuously collecting data to evaluate the seabed and water column for possible seeps.

Planned route for cruise 11:

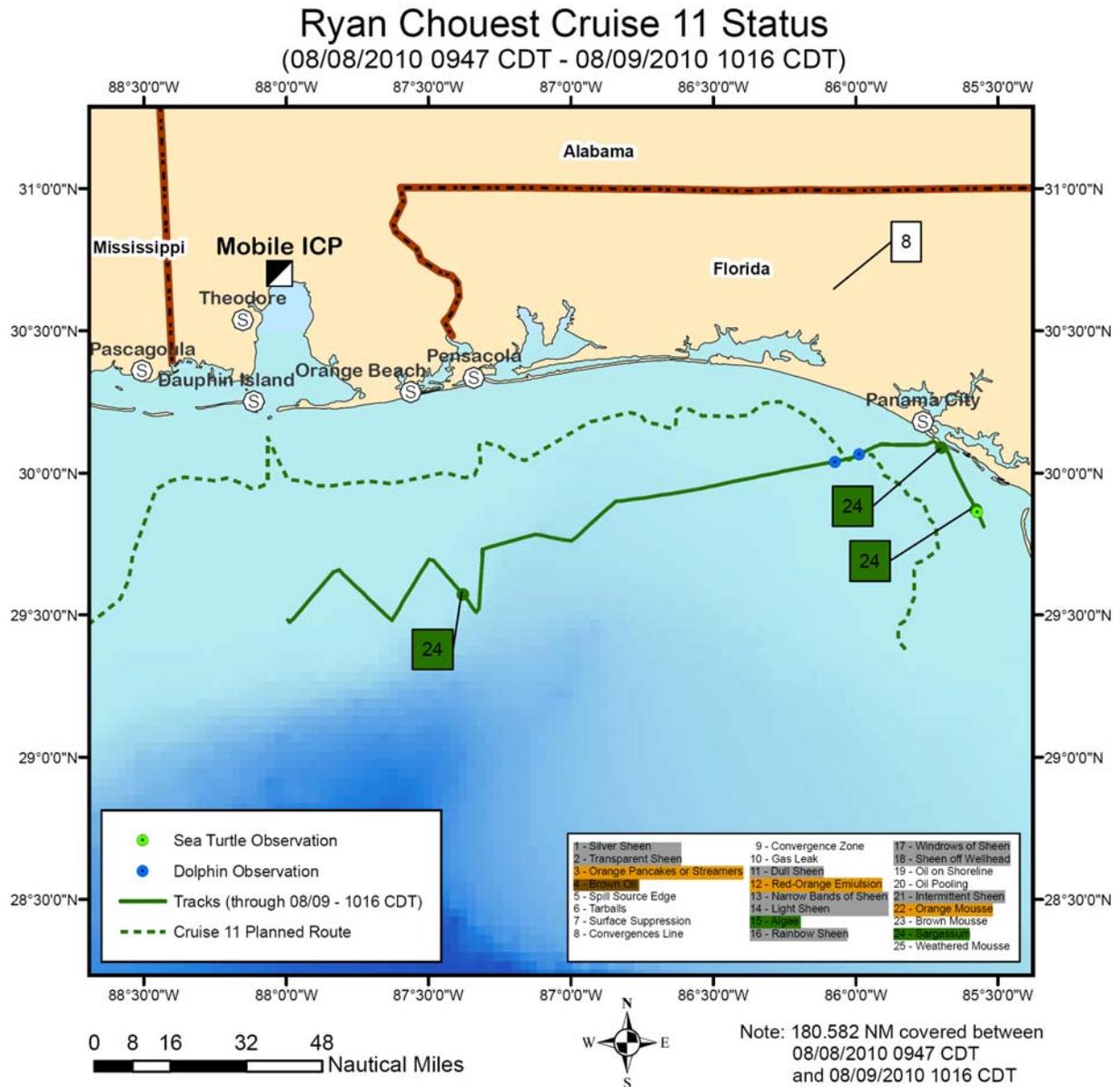


Figure 1: Planned route for cruise 11 versus the actual route plotted between 08/08/2010 – 08/09/2010.

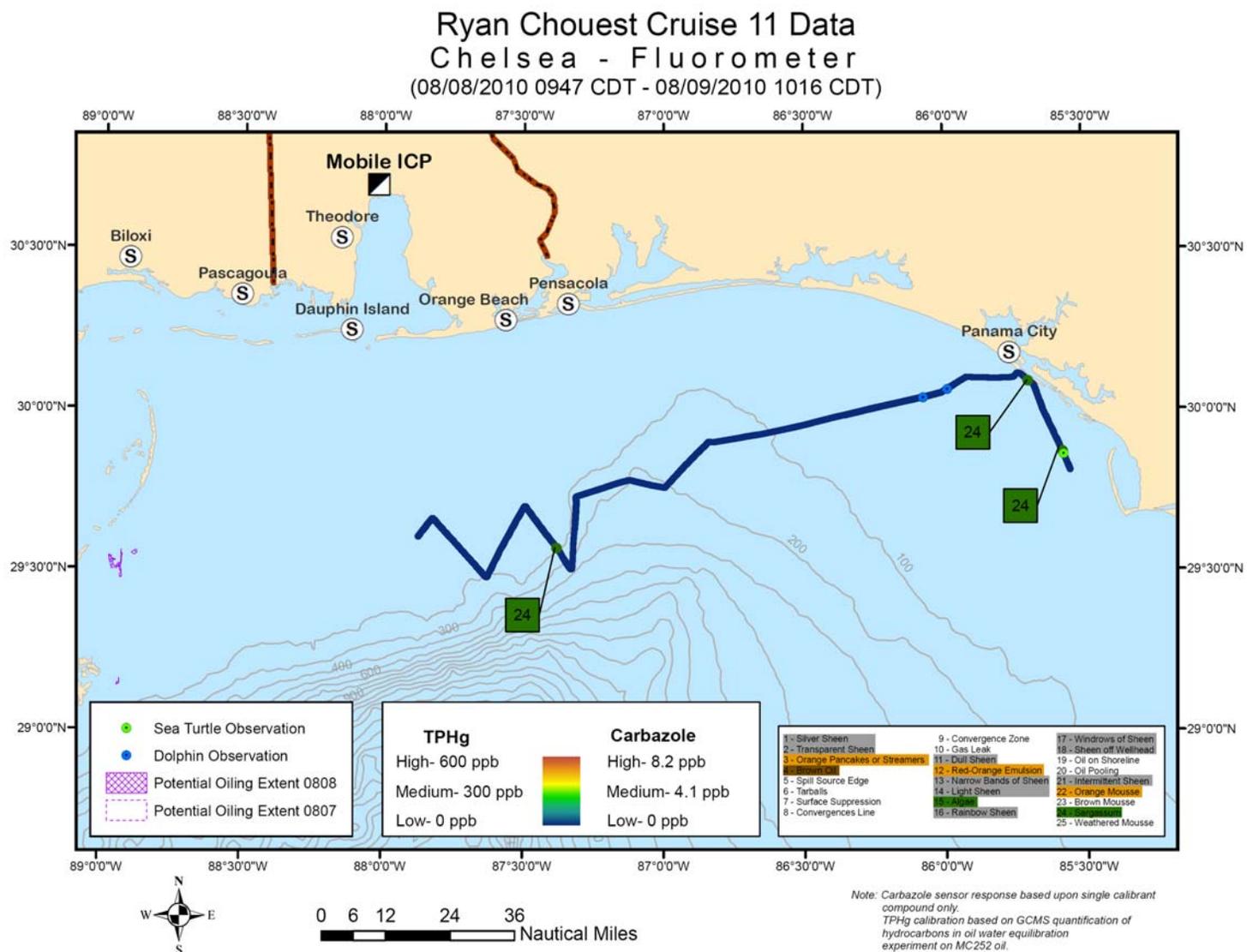


Figure 2. Chelsea fluorometer results plotted with location on cruise track 11. Breaks in data occur when either data quality is poor or the systems were turned off due to pump problems. Purple lines represent depth contours of 100 m intervals.

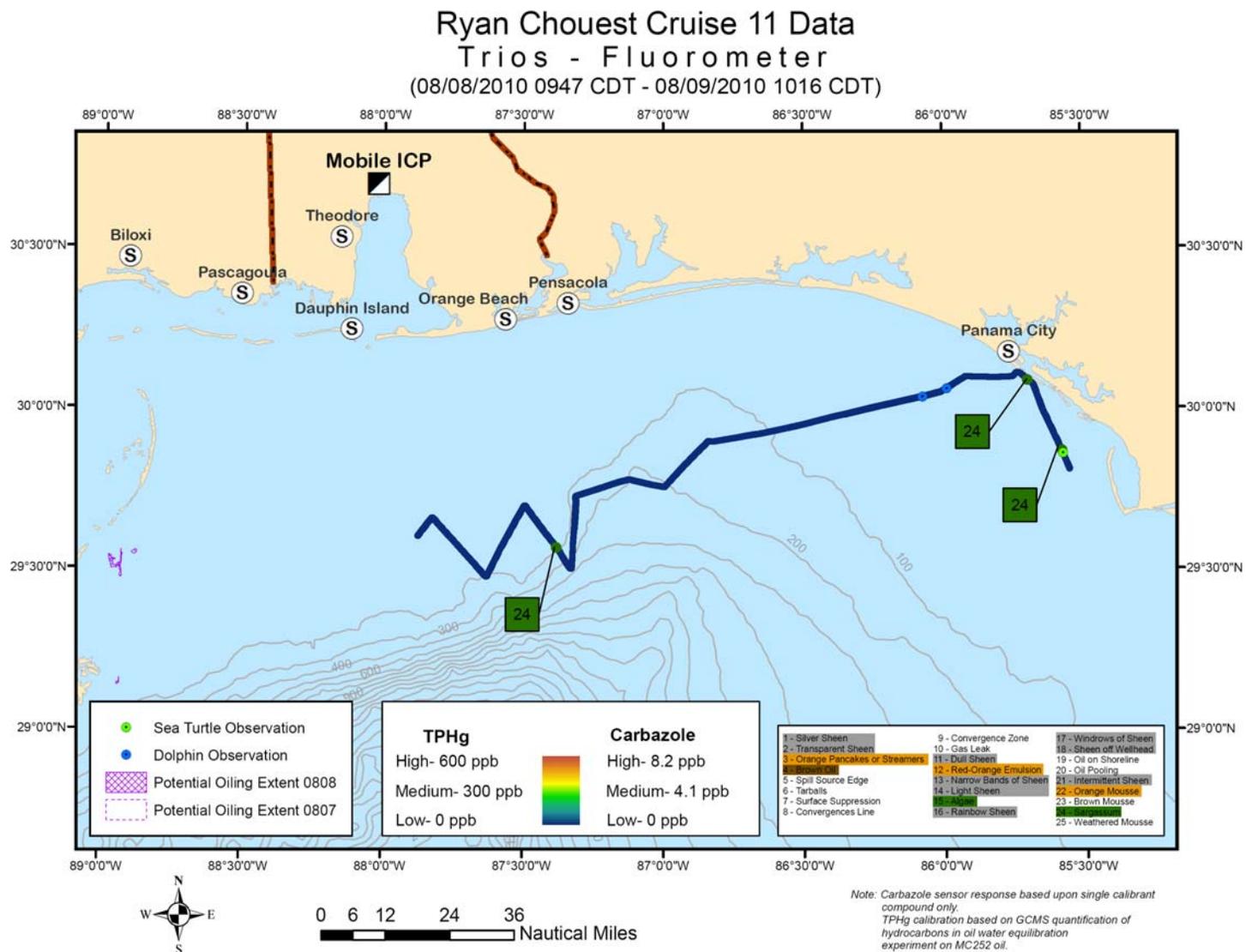


Figure 3. Trios fluorometer results plotted with location on cruise track 11. Breaks in data occur when either data quality is poor or the systems were turned off due to pump problems. Purple lines represent depth contours of 100 m intervals.

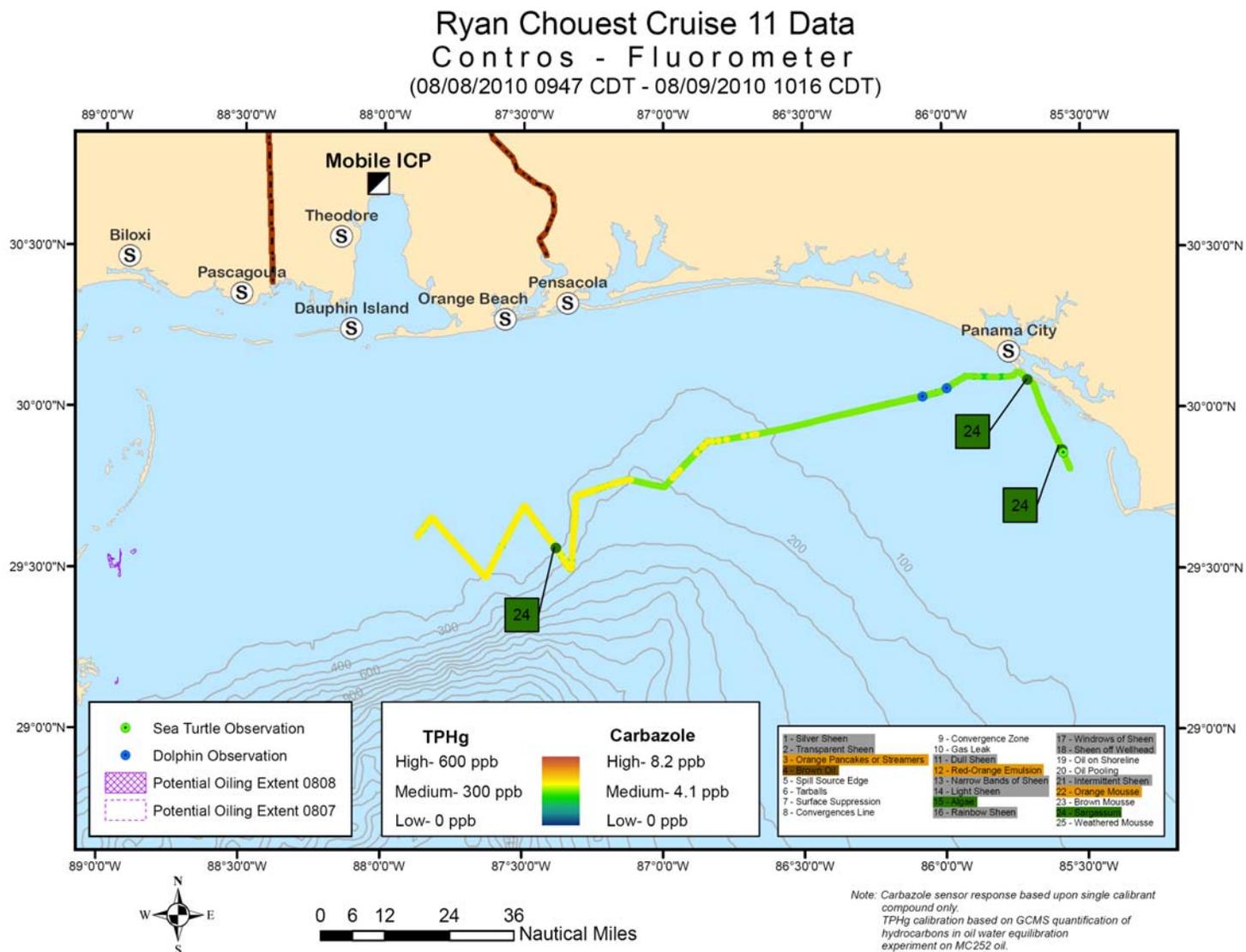


Figure 4. Contros fluorometer results plotted with location on cruise track 11. Breaks in data occur when either data quality is poor or the systems were turned off due to pump problems. Purple lines represent depth contours of 100 m intervals.

Problems/operational issues:

Possible malfunction of fridge compressor unit in the Ryan Chouest which will be investigated on arrival in port Theodore.

Selected Photographs:

No photographs taken during the reporting period.

Planned activities for next 24 hours:

The *Ryan Chouest* will head north towards the Mobile bay entry, expecting arrival at the Port of Theodore the night of 09/08 we will stay in port for reprovisioning and a crew change we anticipate leaving port on Wednesday evening (11/08).

Full Crew List:

William A. Smith	MASTER	Brian Corley	Mate
Craig Lyons	ENG	Patrick Cousin	A/B
Mark Harmon	A/B	Arthur Triggs	O/S
Elijah Benjamin	O/S	Patrick Anderson	QMED
Kile Blunt	OS/Cook	Roderick Baker	OS/Cook
Tosin Majekodunmi	BP	Curtis Walker	Entrix
Andrew Ross	CSIRO	David Fuentes	CSIRO
Emma Crooke	CSIRO	Asrar Talukder	CSIRO
Quinn Guidrey	C&C	Kelly Bates	C&C
Jen Carlsen	C&C	Mathew Baham	C&C
Joseph Watson	C&C	Jay Ridgeway	C&C
Josh Chauffe	C-Port	Larry Luke	C-Port