

Sarah Bordelon Cruise 07 Daily Report

Period covered: 0000 to 2359, 9 December 2010

Vessel science party:

Role	Name	Email
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Integral Scientist	Rene Trudeau	rene@gavityenv.com
Cardno ENTRIX Water Sampler	Nicholas Ellis	nicholas.ellis@cardno.com
Cardno ENTRIX Water Sampler	Kristin Morrison	kristin.morrison@cardno.com

General Location Descriptions:

Southwest of the wellhead 45 km and conducting a transect perpendicular to the plume.

Station numbers/Transect Numbers:

Station SB07-021, Lat 28.7348 Lon -88.4716, Filename = COOP7_SB_021_02081210
Station SB07-020, Lat 28.4629 Lon -88.7030, Filename = COOP7_SB_020_22091210

Daily Operations:

Data Collection	Collected (Y/N)?	File Names	Comment
CTD Casts	Y	See above in "General Descriptions"	
Fluorometry	Y		
LISST	Y		
Dissolved Oxygen	Y		
Sampling – TPH	Y		
Sampling – VOA	Y		
GCMS	N		
Acoustics	N		
MOCNESS	N		
Biota	N		
Other:	N		

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Today's Significant Findings:

We sampled 1 station with insignificant findings. The second station had minor AquaTracka signals, but due to CTD communication errors, we were not able to collect samples.

Operational / Logistical issues:

- 1) Sample transfer at sunrise was to occur at 28.939667°, -89.202083°. Instead, we arrived at 28.939667°, -88.202083° at sunrise. This issue stemmed from a miscommunication between the navigator and the bridge. By 1130, we were at the correct coordinates and the sample transfer was complete.
- 2) When we arrived at our first station, the CTD continued to malfunction. Numerous attempts were made to fix the communication issues with the CTD.
- 3) One station was sampled after the communications issues were resolved. The next station (SB07-020), again displayed the recurring CTD issues and no samples were collected.

Daily Log:

0600: Arrived at wrong rendezvous point for sample transfer

1130: Successfully finish the sample transfer at the correct point

1615: Station SB07-021, CTD in water but still having communication issues

1755: Station SB07-021, CTD issues resolved and beginning downcast, samples collected

2101: Station SB07-020, CTD in water. Communication errors. No samples collected

Planned Activities for next 24 hours:

				NOAA	Clean Sweep Grid
Proposed	SB07-019	28.3511	-88.5017	B195	R45
Proposed	SB07-018	28.3333	-88.3837	B180	R45
Proposed	SB07-017	28.3428	-88.2657	B165	R45
Proposed	SB07-022	28.1983	-88.3895	B180	R60
Proposed	SB07-023	28.222	-88.5468	B195	R60
Proposed	SB07-024	28.2818	-88.6934	B210	R60
Proposed	SB07-025	28.371	-88.815	B225	R60
Proposed	SB07-026	28.1662	-88.8419	T1	S2
Proposed	SB07-027	28.0544	-88.758	T1	S3
Proposed	SB07-028	27.9414	-88.6735	T1	S4

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