

Sarah Bordelon Cruise 07 Daily Report

Period covered: 0000 to 2359, 15 December 2010

Vessel science party:

Role	Name	Email
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General Location Descriptions:

Gulf of Mexico. 185km southwest of MC252.

Station numbers/Transect Numbers:

Station SB07-034, Lat 27.1179 Lon -89.2870, Filename = COOP7_SB_034_13151210
Station SB07-035, Lat 27.2314 Lon -89.3949, Filename = COOP7_SB_035_15151210

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:

Stations SB07-034 and SB07-035. Interestingly, these stations did not have noticeable AquaTracka signals or DO sags, despite having a significant AquaTracka signals reported in a similar area by the Arctic.

Operational / Logistical issues:

WEATHER: Due to the sea state, all on deck operations have ceased. We anticipate returning to sampling when the weather clears in approximately 24 hours.

CTD/WINCH: The CTD is continuing to have intermittent communications issues which appear to be associated with wire connections in the winch.

Daily Log:

2200: (14 December 2010) CTD communication issues

1100: CTD fixed and beginning downcast for station SB07-034

1354: Station SB07-035, beginning CTD downcast

1800: CTD communication malfunction on Station SB07-036. Currently fixing.

Planned Activities for next 24 hours:

Heading to Port Fouchon to transfer samples. Currently the weather is too rough for an at sea transfer and we are currently 5 hours from Port Fouchon. Also, we will have a better chance for a successful CTD/Winch fix at port than in rough seas.



Figure 1. Sampling locations for the M/V Sarah Bordelon. (Triangles) Arctic transit waypoints. (Blue Circles) Sampled Stations. (Pink Circles) Skipped Stations. (Yellow Circles) Future Stations.