

# Sarah Bordelon Cruise 07 Daily Report

Period covered: 0000 to 2359, 6 December 2010

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## Vessel science party:

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## General Location Descriptions:

Station SB07-005, Lat 28.145 Lon -88.785, Filename = Station Skipped  
Station SB07-006, Lat 28.185 Lon -88.725, Filename = COOP7\_SB\_006\_16061210  
Station SB07-007, Lat 28.221 Lon -88.669, Filename = COOP7\_SB\_007\_21061210

## Station numbers/Transect Numbers:

## 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:

There were significant AquaTracka signals between 1000 to 1400 m depth (0.05 µg/L above background), similar to what we observed on the previous stations on this cruise. Both stations investigated today have a secondary AquaTracka signal that was approximately 100m in thickness centered at 1620m. Very minimal to no DO sags were associated with these AquaTracka signals.

## Operational / Logistical issues:

The stop operations order from the previous day due to rough seas was reevaluated several times during the morning and around noon. At 1320, the stop operations order was lifted and we sampled two stations. The seas were rough all day and even when operations began, we progressed at a slower more cautious pace.

Station SB007-005 was skipped as it was in close proximity to the previous 4 stations, the previous 4 stations all displayed consistent features in AquaTracka and DO, and our goal is to finish the board survey of stations before the Arctic starts providing us new coordinates in approximately 36 hours.

## Daily Log:

0630: Check ability to hold DP and sample. Results: seas to rough to sample

0900: Check ability to hold DP and sample. Results: seas to rough to sample

1320: Check ability to hold DP and sample. Results: clear to sample.

1440: Cast SB07-006, CTD equilibrating in the water

1932: Cast SB07-007, CTD equilibrating in the water

## Planned Activities for next 24 hours:

Proposed	SB07-008	28.39595888	-88.61181364
Proposed	SB07-009	28.51009034	-88.53004538
Proposed	SB07-010	28.61175231	-88.63667392
Proposed	SB07-011	28.7348	-88.4716
Proposed	SB07-012	28.7143	-88.4209