



Daily Drilling and Scientific Report for IODP Expedition 325, Great Barrier Reef Environmental Change

23rd March 2010 (0000 - 2400 local time)

1. Location

RIB_02A Hole 3 (M0051A) and transit to Noggin Pass

Time zone: Brisbane Australia Time, UTC +10

Position at midnight (in transit to Noggin Pass):

Latitude: 16° 11.2 S

Longitude: 146° 11.4 E

2. Activity summary

Coring operations at M0051A ceased after a problem with the hydraulics supply to the elevator. The pipe was tripped using manual elevators and work on fixing the hydraulic powerpack commenced. The GBRMPA Environmental Site Supervisor arrived at 13:00. However, deteriorating weather conditions prevented her boarding the Greatship Maya, and at 14:00 the transfer boat began the transit back to Cooktown. Operations were put onto weather downtime at 15:00. Following this decision, the co-chiefs requested a move to Noggin Pass. The transit began at 17:05.

3. Science report

Cores 1R and 2R advanced 2.5 mbsf and recovered coralline algal dominated nodules (rhodolith) consistent with the sea floor images viewed through the downhole camera.

4. Core recovery details

Hole	M0051A
LAT water depth	78.13m
Cores recovered	1R-2R
Drilled length	2.5m
Recovery length	0.15m
Recovery	6%
Depth at midnight	2.5mbsf (final depth)

5. Weather

Sea state: slight (3) with a swell of <1.25m becoming rough (5) with a swell of 2.5 – 4m; wind direction SE force 6 (22 – 27 knots) increasing to force 7 (28-33 knots) by midnight; overcast with continuous periods of rain; 28°C.

Next 24 hrs: Sea state rough with swell of 3 m in open waters; wind direction SE 20 – 30 knots; scattered showers.