



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

1st April 2010 (0000 - 2400 local time)

1. Location

NOG_01B Site 5

Time zone: Brisbane Australia Time, UTC +10

Position at midnight (on station M0055):

Latitude: 17° 06.11325 S

Longitude: 146° 34.48198 E

2. Activity summary

Wireline logging operations continued until the early morning. Following tripping of the HQ string, and partial tripping of the API, the vessel moved to site NOG_01B Site 5 M0055A and coring operations began, again using HQ.

3. Science report

Core 1R consisted of silty sand (incl. planktonic forams, radiolarians, ostracods and small benthic forams) with a massive Favid at the bottom of the core. Core 2R was framestone which contained coral, coralline crust and microbialite. Framestone with microbialite continued in Cores 3R and 4R.

4. Core recovery details

Hole	M0055A
LAT water depth	87.33m
Cores recovered	1R – 4R
Drilled length	10m
Recovered length	6.22m
Recovery	62.2%
Depth at midnight	13.29mbsf

5. Weather

Sea state: moderate (4) with a swell of 1.25 – 2.5m; wind direction ESE becoming E by early morning swinging back to ESE by midnight, force 5 (17 – 21 kts); partly cloudy becoming overcast by midday; periodic heavy showers; 29°C.

Next 24 hrs: Sea state moderate with swell of 1.7 m in open waters; wind direction E/SE 15 – 20 kts; scattered showers.