



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

20th February 2010 (0000 - 2400 local time)

1. Location

Site HYD_01C Site 3 (Hole M0034A).

Time zone: Brisbane Australia Time, UTC +10

Position at midnight:

Latitude: 19° 41.535 S

Longitude: 150° 13.815 E

2. Activity summary

The broken HQ pipe was stabbed early in the morning, and recovered onto deck. The API was reamed down to 18.6mbsf, and coring recommenced. A problem with the GPS signal mid-afternoon resulted in bending of the API pipe. The decision was taken to abandon the hole and the API pipe was tripped.

3. Science report

Core 13R advanced to 20.1mbsf and recovered broken corals. Some carbonate gravel, composed mainly of Halimeda plates was recovered in the base of Core 14R. This might indicate the termination of the upper coral framestone unit.

4. Core recovery details

Hole	M0034A
Cores recovered	4
Drilled length	4.5m
Recovered length	0.5m
Recovery	11.11%
Depth at midnight	23.1mbsf

5. Weather

Sea state: moderate (4) with swell of 1.25 – 2m; wind direction E becoming SE force 4 (11-16 knots); partly cloudy with sunny intervals becoming overcast in the evening; periodic heavy showers in the evening: 29°C.

Next 24 hrs: Sea state moderate with swell of ~1.7m; wind direction SE 15-20 knots; scattered showers.