

**Daily Drilling and Scientific Report for IODP Expedition 357
Atlantis Massif Serpentinization and Life, 2015**



14th Nov 00:00 - 24:00 Local Time (-2 GMT)

1. Location

30° 7.88' N 42° 10.96' W
IODP-MSP M0073A
Prospectus borehole AM-05A
Water Depth: 1440m

2. Science Report

Two cast's of the ship's CTD were conducted over proposal site AM-03 and a reference site over the junction of the Atlantis Fracture Zone with the Mid-Atlantic Ridge, to collect samples for microbiology and geochemistry. Drilling terminated early after penetrating 1.3m; no logging was performed. A 38cm core of mylonitic serpentinite rubble was recovered in the one core (still in the bottom hole assembly), and one whole round core sample was collected for ephemeral microbiology, geochemistry, and contamination tracer testing.

4. Core Recovery Details

Hole	M0070B
Cores recovered	1
Drilled length (Coring, m)	1.3
Drilled length (Open hole, m)	0
Recovered length (m)	0.38
Recovery (%)	29.23

4. Weather

Wind SW to variable, 20knots becoming light airs. WNW'ly swell 3m decreasing to 2m, with slight seas. Scattered rain showers, and 7/8 cloud cover decreasing to patchy cloud by the afternoon. Maximum temperature of 24.5°C.

Next 24 hours: Expecting swell and winds to die down further.

5. Planned Activity for the next 24 hours

Start coring operations at AM-05A (M0073A)

6. Health and Safety and Environmental

Waiting on weather for part of the day

7. Photo of the day



Sometimes the weather just doesn't help operations! CarolCotterill@ECORD_IODP