

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



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

1. Location

30° 7.51' N 42° 5.747' W

IODP-MSP: M0068B

Prospectus borehole: AM-02A

Water Depth: 1110m

2. Science Report

RD2 coring at Hole M0068B continued, penetrating 8.73 m by the end of the day. As at other sites, minor excursions in methane, temperature and oxidation-reduction potential signals recorded by the sensors packages mounted on the rock drill were observed during drilling.

The science party continued with shipboard analyses of tracer and gas concentrations in samples recovered from Hole M0070C, and completed preliminary visual core descriptions.

3. Core Recovery Details

N/A

4. Weather

Wind SSW to S before swinging to SSE, 28 knots dropping to 14 but with gusts up to 40 knots in the early morning. Squalls with heavy rain in the early morning, becoming fine and clear with good visibility. Sea state slight with low swell. Maximum temperature 23°C.

Next 24 hours: Winds and sea state due to remain low.

5. Planned Activity for the next 24 hours

Continue coring operations at AM-02A (M0068B)

6. Health and Safety and Environmental

N/A

7. Photos of the day



Previous water sampling. YukiMorono@ECORD_IODP



Discussing microbiology sub-sampling. YukiMorono@ECORD_IODP