

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



**29<sup>th</sup> Nov 00:00 - 24:00 Local Time (-2 GMT)**

**1. Location**

30° 7.670' N 42° 3.980' W  
IODP-MSP: M0075B  
Prospectus borehole: AM-03A  
Water Depth: 1568m

**2. Science Report**

The RD2 rock drill was deployed at Hole M0075B (proposal site AM-03) in the evening after undergoing repair, penetrating 4.0m by the end of the day. While drilling, the sensor package on the rock drill recorded an increase in methane and dissolved oxygen and a decrease in temperature at about 3.5m. The science party continued with preliminary visual core descriptions, multi-sensor core logging, and shipboard analyses of tracer and gas concentrations in cores recovered from Hole M0071C and M0075A.

**3. Core Recovery Details**

N/A

**4. Weather**

Wind ESE 15 decreasing to 9. Slight seas with low swell. Fine and clear with good visibility. Cloud cover 7/8 decreasing to 2/8. Maximum temperature 25.5<sup>o</sup>C.  
Next 24 hours: Winds staying light, swell and seas forecast to be low.

**5. Planned Activity for the next 24 hours**

Continue coring operations at AM-03A, M0075B

**6. Health and Safety and Environmental**

N/A

**7. Photos of the day**



Marv and his trusty GC. SusanLang@ECORD\_IODP.



Katrina and John the CPOS taking surface water samples right after a coring operation.  
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