

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



1st December 00:00 - 24:00 Local Time (-2 GMT)

1. Location

30° 18.02' N 42° 03.75' W

IODP-MSP: Conducting multibeam survey

Prospectus borehole: Conducting multibeam survey

Water Depth: ~2560m

2. Science Report

With both rock drills out of commission, preventing further drilling operations, multibeam surveys over the eastern conjugate of the Atlantis Massif continued through the morning, followed by in-water maintenance of the RD2 drill winch and then a cast of the ship's CTD to the east of the Lost City hydrothermal vent field. Multibeam surveys resumed until the vessel left site for port.

3. Core Recovery Details

N/A

4. Weather

Wind SW becoming NNE varying throughout the day between 11 – 16 knots. Slight seas and low swell. Cloud 6/8 cover. Fine and clear initially with moderate showers from late morning until evening. Maximum temperature 24°C.

Next 24 hours: Fresh from N easing off late evening.

5. Planned Activity for the next 24 hours

Continue running multibeam over the Atlantis Massif area, with the transit back to Southampton beginning approximately 02:00 on December 2nd. The vessel will then be on transit until December 11th.

6. Health and Safety and Environmental

N/A

7. Photo of the day



Farewell to the Atlantis Massif site. SusanLang@ECORD_IODP