

**Week 1 Drilling and Scientific Report for IODP
Expedition 357 Atlantis Massif Serpentinization
and Life**



26th October 2013 – 1st November 2015

1. Operations

The pilot joined the vessel at 09:50 GMT on October 26th. The RRS James Cook slipped lines at 10:06 GMT, leaving the quayside at 10:21 GMT. The pilot departed the vessel at 11:41 GMT. The vessel began the transit to the Atlantis Massif site, continuing on transit until midnight on November 1st.

The vessel encountered large oceanic swells up to 8m due to strong weather systems to the west, resulting in reduced transit speed. The speed was increased on November 1st when the swell reduced to 2.5 – 3m average wave height. The estimated time of arrival onto the first site is now predicted as being November 5th,

Whilst on transit, both drill teams have continued to prepare the drills and sensor packages for deployment. The offshore science party have participated in a number of “sessions” including:

- Health and Safety and risk assessments
- Laboratory familiarisation and setting up of equipment / third party tools
- Training on use of hard rock sampling equipment
- Evaluation of possible rock types and sub-sampling strategies
- Core flow walk-through and timings
- Use of the Drilling Information System (DIS)
- Introduction to both drills and a walk round the drill floor and control containers
- Scientific aims and objectives

2. Hole summary

N/A

3. Science

N/A

4. HSE Activities

A vessel familiarisation was conducted for all joining staff on October 26th at 08:00. This was followed by an emergency drill at 16:15.

5. Figures and Photographs

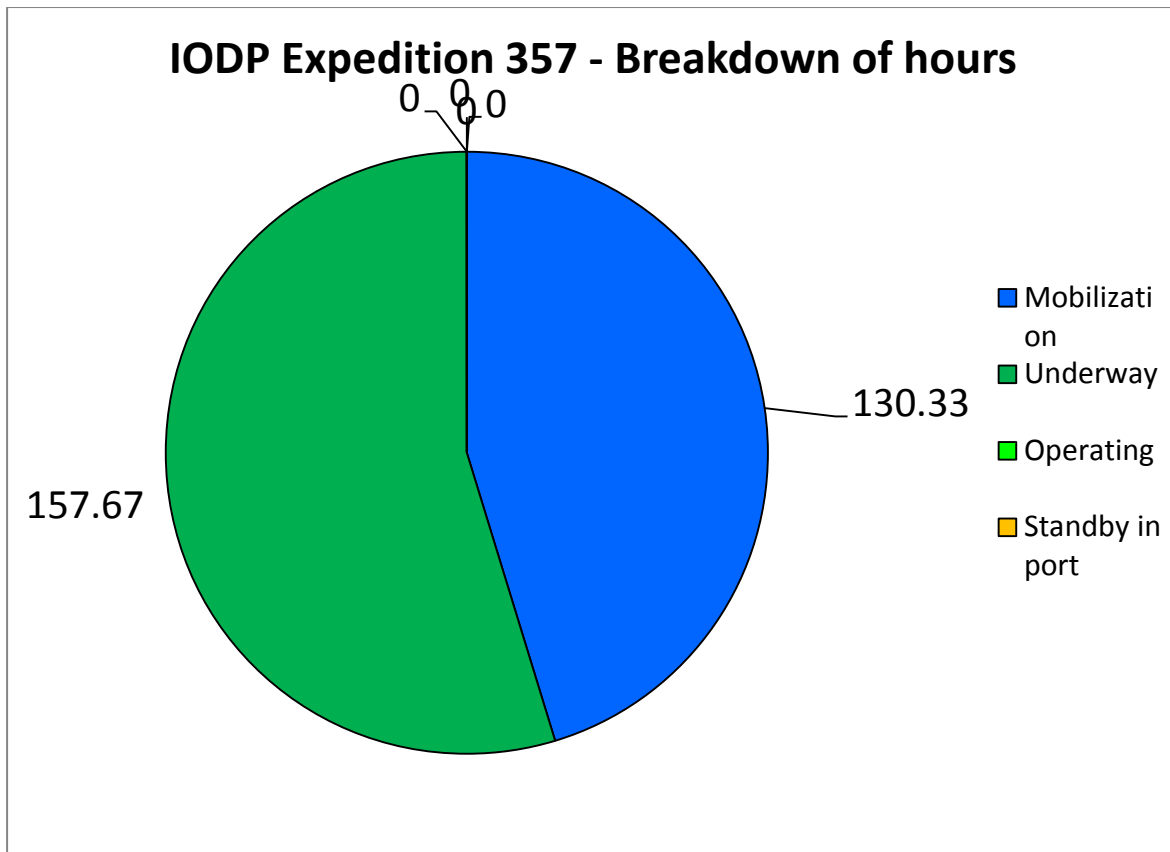


Figure 1: Breakdown of hours from the start of mobilisation on October 16th to midnight on November 1st.



Figure 2: Offshore Science Party and ESO staff in the Deck Lab.
YukiMorono@ECORD_IODP

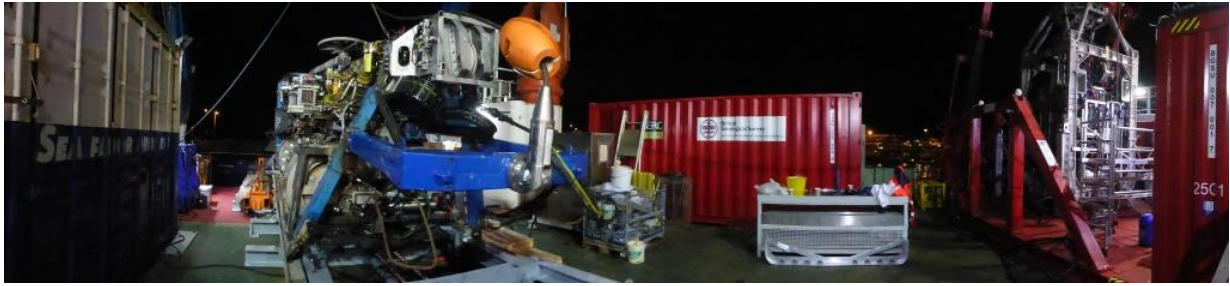


Figure 3: Panoramic of the drill floor showing the Marum MeBo and BGS RD2 drills in position. CarolCotterill@ECORD_IODP



Figure 4: Some of the offshore Science Party during a tour around the drill floor. CarolCotterill@ECORD_IODP