



### 25th May 00:00 - 25th May 24:00 East Daylight Time (UTC -4)

#### 1. Location

Position 40.8746°N, 70.2697°W @12:00 EDT 25th of May IODP-MSP borehole M0111B Prospectus borehole MV-03C Water Depth: 42m

### 2. Operations Report

Hole M0111B was washed down until depth objective 62 mbsf was reached at 05:00. Coring commenced using the HPC and the first core on deck for Hole M0111B was received at 05:58. Coring continued with the HPC until a depth of 72.76 mbsf when it was decided to switch to Extended Nose Corer (EXN) at 10:30. However, no core was recovered, so rotary coring was continued from 11:00 until 22:40 when it was decided to switch back to the HPC. At 24:00 Hole M0111B had reached a depth of 98.76 mbsf and 21 cores retrieved, with a total recovered length of 25.34m.

### 3. Science Report

55 samples were taken on the 25<sup>th</sup> of May from the cores for interstitial water geochemistry, micropaleontology, physical properties, noble gas analyses and microbiology. All sample details were recorded in the mdis system. The first squeezed sample to analyse noble gas in porewater was collected and preserved in copper tubing from Core 15. 13.2m of core was run through the MSCL and photographed.

## 4. Core Recovery

Hole	M0111B
Cores recovered	21
Drilled length (Coring, m)	35.96
Drilled length (Open hole, m)	27.4
Recovered length (m)	25.34
Recovery (%)	70%
Depth at midnight (mbsf)	97.76

#### 5. Time Breakdown

00:00 X501 team crossover meeting

00:00 Washing down M0111B, 34.6 mbsf

05:00 Washing down M0111B, 62 mbsf objective reached

05:00 Coring commences with HPC

05:58 First core on deck for Hole M0111B, Core 1H

10:30 Switch to EXN coring

11:05 Switch to rotary coring

11:00 Ship meeting with CC, Ops manager, EPM, Matrix and Captain

12:00 X501 team crossover meeting.

11:05 to 22:40 continued rotatory coring

22:40 switch to HPC

24:00 coring reached 98.7 mbsf

## 6. Hours (inc. cumulative total) - no contractual implications can be made from these figures

In port	n/a
Transiting	n/a
Operating	24
Technical downtime	n/a
Weather downtime	n/a
Other downtime (specify)	n/a

#### 7. Weather

Wind 13 mph from WWN 1200h. Wave heights 1.05 to 2m. Visibility good to horizon with clear skies.

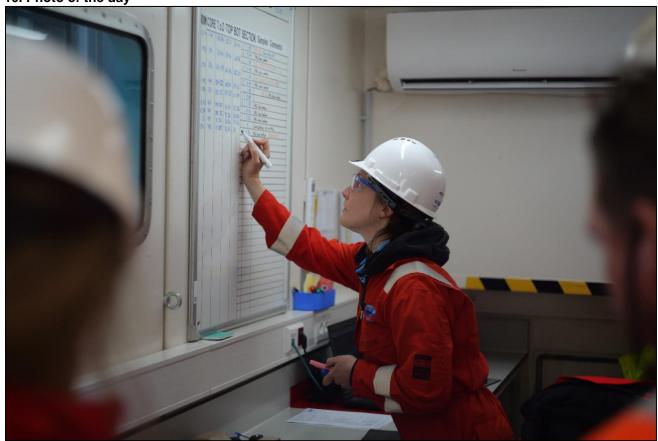
## 8. Planned Activity for the next 24 hours

Continue coring Hole M0111B
Continued sampling and MSCL protocol

# 9. Health and Safety and Environmental

Notice to captain of strapping loose near to working containers Reminder to all team to wear hard hats in working area

# 10. Photo of the day



Curator Patrizia Geprägs noting core details in the Curation container. LEBER@ECORD\_IODP3\_NSF\_curation