



## 9th July 00:00 - 9th July 24:00 East Daylight Time (UTC -4)

#### 1. Location

Position 40.99783°N, 70.33337°W @12:00 EDT 9th July IODP-MSP borehole M0112B Prospectus borehole MV-08AB

Water Depth: 41m

## 2. Operations Report

A day of drilling and coring to take spot cores at predetermined depths and locate the clays in which to set the packer for pump test #3. Expected mixed recoveries in differing lithologies, however the clays and sands were found approximately where expected. We also said farewell to some of our colleagues and welcome back to others with a transfer of X501 team members and drillers at 20:00.

#### 3. Science Report

20 samples were taken for microbiology, geochemistry, noble gas and micropaleontology. 0.8 m of core were run through the MSCL.

#### 4. Core Recovery

Hole	M0112B
Cores recovered	13
Drilled length (Coring, m)	21.32
Drilled length (Open hole, m)	25.5
Recovered length (m)	10.88
Recovery (%)	51
Depth at midnight (mbsf)	246.82

#### 5. Time Breakdown

00:00 – 08:50 Non coring assembly used to drill to 200mbsf.

08:50 – 11:15 Coring at 200mbsf.

11:15 – 13:40 Non coring assembly used to drill to the top of expected clay above the aquifer

13:40 – 24:00 Coring from 230mbsf to identify clay/sand interfaces.

### 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	0
Weather downtime	0
Other downtime (specify)	0

#### 7. Weather

Winds at 11 kts WSW at 11:00. Wave height 1 to 1.5 m. Visibility generally poor at 0 to 0.75 nm and extensive fog.

## 8. Planned Activity for the next 24 hours

Complete coring programme at this depth interval, condition the borehole and set the packer in preparation for water extraction.

# 9. Health and Safety and Environmental

Operations were paused at 04:00 due to lightning in the vicinity.

X501 members were reminded of basket transfer procedures.

The vessel was searched for stranded seabirds at sunrise. None were found.

10. Photo of the day



Figure 1 X501 team members being transferred onto the LB Robert by Billy Pugh basket after a foggy transit. STEWART@ECORD\_IODP3\_NSF\_transfer.