



20th May 00:00 - 20th May 24:00 EDT (UTC -4)

### 1. Location

Position 40.8746°N, 70.2697°W @12:00hrs EDST 20<sup>th</sup> of May 2025 IODP-MSP borehole N/A Prospectus borehole MV-03C Water Depth: 42m

## 2. Operations Report

At 00:00h all crew and the X501 Science Team were onboard the LB Robert at position 41.254283°N, 72.6171°W in transit to site MV-03C. The LB Robert continued transit to site M003V location and turned to face into the prevailing northerly winds.

The vessel legs were lowered and reached seabed at 09:11h at location 40.8746°N, 70.2697°W. This is the designated set location for site MV-03C. The vessel then took on seawater as part of the pre-load sequence until 18:20h. The vessel was raised to account for wave height at 21:00h and pre-loading continued until 24:00h.

## 3. Science Report

3 samples of 1L of surface seawater taken.

## 4. Core Recovery Details

Hole	N/A
Cores recovered	N/A
Drilled length (Coring, m)	N/A
Drilled length (Open hole, m)	N/A
Recovered length (m)	N/A
Recovery (%)	N/A
Depth at midnight (mbsf)	N/A

### 5. Time Breakdown

00:00 In transit to Site MV-03C

09:11 Vessel legs on seabed. On site.

11:00 Captain, contractor, ESO and CC meeting

11.45 Taking on water for pre-load.

12:00 Start of shifts for science team

12:00 Brief meetings for ESO and science teams to update on shifts and plan for beginning of operations

18:20 Completion taking on water. Lift above wave height. Start hold time for stabilization.

21:00 Adjustment of platform height and continued waiting for stabilization

24.00 Continued preload

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

In port	n/a
Transiting	09h 11m
Operating	0.0
Technical downtime	0.0
Weather downtime	0.0
Other downtime (specify)	14.49m
	(preload)

#### 7. Weather

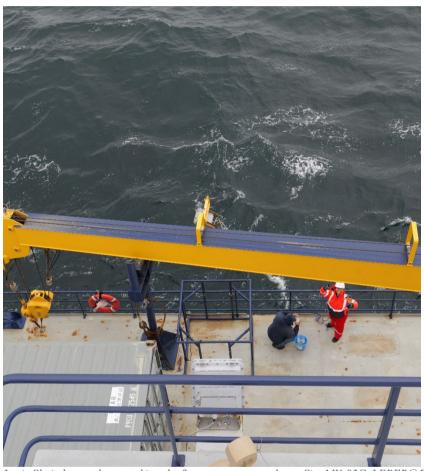
Wind 23mph (with gusts of 28mph) from the north at 12:00h. Wave height around 1m. Visibility good to horizon. Overcast.

## 8. Planned Activity for the next 24 hours

Continue preload
Dump water
Jack up to operational height (~10m air gap)
Operations to begin – run casing, mix mud
Preparation of ESO containers and labs
Commence coring operations

# 9. Health and Safety and Environmental N/A

# 10. Photo of the day



Luzie Shnieders and crew taking the first seawater samples at Site MV-03C. LEBER@ECORD\_IODP3\_NSF\_first\_sample