



**Daily Drilling and Scientific Report for
IODP3-NSF Expedition 501
New England Shelf Hydrogeology, 2025**



21st July 00:00 – 21st July 24:00 East Daylight Time (UTC -4)

1. Location

Position 40.618333°N, 70.136972°W @12:00 EDT 18th July
IODP-MSP borehole M0113A
Prospectus borehole MV-04C-A
Water Depth: 53.9m

2. Operations Report

A full day of coring with a wiper trip to condition the borehole. The BHA was also tripped to the deck for inspection and parts were replaced to improve recovery quantity and quality.

3. Science Report

50 sets of samples were taken for micropaleontology, sedimentology, microbiology, physical properties noble gas analysis and geochemistry. 56 core sections were run on the MSCL with a total length of 39.94 m.

4. Core Recovery

Hole	M0113A
Cores recovered	15
Drilled length (Coring, m)	30.2 m
Drilled length (Open hole, m)	0
Recovered length (m)	17.24 m
Recovery (%)	57.1 %
Depth at midnight (mbsf)	168.99 m

5. Time Breakdown

00:00 – 08:15 Advancing the borehole using ALN corer.
08:15 – 10:35 Wiper trip.
10:35 – 17:35 Trip string to deck for inspection and refurbishment.
17:35 – 24:00 Advancing the borehole using ALN corer.

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	
Weather downtime	
Other downtime (specify)	

7. Weather

A clear and sunny day with light winds of 4 to 8 kt from the NNW and low southerly swells of 1 to 1.5 m. Visibility remained clear to the horizon through most of the day.

8. Planned Activity for the next 24 hours

Continue coring with HPC/ALN barrels.

9. Health and Safety and Environmental

A search for stranded seabirds was conducted. None were found.
The team were reminded to take precautions to avoid sunburn.

10. Photo of the day



Figure 1: Shaun Wilson of IMDEX celebrating his birthday with a gift from ESO's Jack Brickell. A taste of home (photo BRICKELL@ECORD_IODP3_NSF_Birthday_Tunnocks_21.07).