



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



31st July 00:00 – 31st July 24:00 East Daylight Time (UTC -4)

FINAL DAILY REPORT FROM EXPEDITION 501

1. Location

Position 40.9944°N, 70.6229°W @ 2359hrs 31st July
En route to Bridgeport CT, USA

2. Operations Report

The day was spent dismantling and making safe all ESO and Science Team equipment, packing containers, labelling (and finding) packing trunks and readying everything for departure. The drilling team did likewise, only with heavier kit.

The L/B Robert jacked down and was floating free of the seabed at 1740 hrs. The L/B Robert, with full complement comprising Expedition 501 Science Team members, the ESO team, project contractors from Matrix Offshore Services, drilling crew from Boart Longyear, mud engineering team from IMDEX, and the ship's crew from Seacor Marine, departed Site M0113 for Bridgeport, Connecticut.

3. Science Report

There was no science to report

4. Core Recovery

Hole	M0113A
Cores recovered	0
Drilled length (Coring, m)	0
Drilled length (Open hole, m)	0
Recovered length (m)	0
Recovery (%)	0
Depth at midnight (mbsf)	325 m

5. Time Breakdown

00:00 – 17:40 Prepared containers and equipment for transit

17:40 - 24:00 Commence transit to Bridgeport

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

In port	n/a
Transiting	6.33
Operating	17.66
Technical downtime	0
Weather downtime	0
Other downtime (specify)	0

7. Weather

The weather continued to be hot and humid to accompany our lifting and packing activities on deck, with a north easterly light breeze during most of the day of 3 to 4 kt, with no swell. The minute we jacked down, winds increased to 20 kt from the NE and waves continued to build in size throughout the evening to c. 1.8 m.

8. Planned Activity for the next 24 hours

Transit to Bridgeport.

9. Health and Safety and Environmental

The whole team were reminded of the need for hydration and sun protection. Special mention was made of the hazards of working during demobilization, with increased and varied activity on deck.

10. Photo of the day



Figure 1: Homes to go to (photo HEUER@ECORD_IODP3_NSF_HOMES).