



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



5th June 00:00 – 5th June 24:00 East Daylight Time (UTC -4)

1. Location

Position 40.8746°N, 70.2697°W @12:00 EDT 28th of May
IODP-MSP borehole M0111B
Prospectus borehole MV-03C
Water Depth: 42m

2. Operations Report

Washing down to the bottom of the hole was concluded at 04:00. After latching the wireline tool to recover the core barrel, the wireline was found to be stuck. Attempts to release the tools were made until 05:30, when the wireline parted. It was then decided to trip out of the hole, cutting the wireline as the rods were being removed. The trip was concluded at 09:30 and preparations for logging in through pipe started. From 09:30 to 17:00 the BHA was made and run down the hole. GR logging through pipe operations lasted from 17:00 to 24:00.

3. Science Report

One sample was taken for physical properties measurements. With no new cores recovered to deck during this period 5 QAQC cores were run on the MSCL.

4. Core Recovery

Hole	M0111B
Cores recovered	0
Drilled length (Coring, m)	0
Drilled length (Open hole, m)	0
Recovered length (m)	0
Recovery (%)	0
Depth at midnight (mbsf)	392.93 m

5. Time Breakdown

00:00 - 04:00 Washing down to bottom of the hole
04:00 - 05:30 Attempting to retrieve core barrel / release latch with overshot
15:30 - 09:30 Pulling HQ BHA out of the hole with wire inside
09:30 - 17:00 Running HQ BHA in hole, washing down every stand
17:00 - 24:00 Rigging up for and GR logging through pipe

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

WSW winds remained constant throughout the day at 12-14 kt, with 0.5 m swell from the SE. Visibility remained good throughout the day.

8. Planned Activity for the next 24 hours

Pull HQ BHA out of the hole and run PVC for full logging

9. Health and Safety and Environmental

A fire drill was conducted for the entire ship's complement at 23:00hrs.

10. Photo of the day

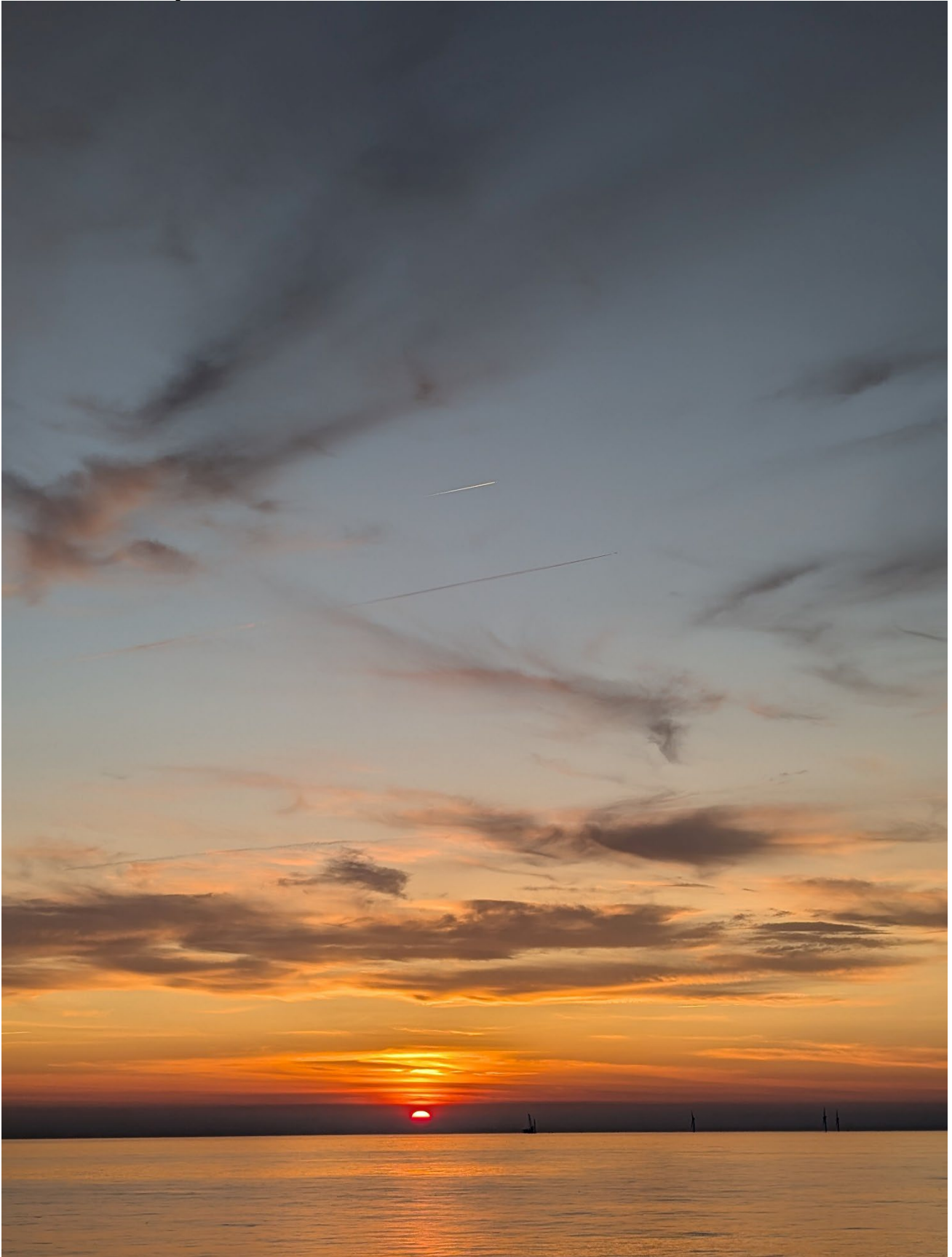


Figure 1: Sunset from the port side of the L/B Robert. The nearby windfarm installations can be seen on the horizon (photo Mowat@ECORD_IODP3_NSF_PXL_20250604_000424928).