

4th Nov 00:00 – 4th Nov 24:00 EET Eastern European Time (UTC+2)

1. Location

Position 38° 8' 41.802" N, 22° 45' 30.251" E
IODP-MSP borehole M0078A
Prospectus borehole COR-02A
Water Depth: 859.50 m

2. Science Report

Recent coring suggests that we have moved from the upper seismic unit (SU2) into the lower seismic unit (SU1), representing a significant tectonic shift in the position of the overall rift system and estimated before drilling to occur at about 600 ka. The science party onboard have been integrating results from sedimentology, paleontology, physical properties and seismic-core integration in order to place this boundary more precisely.

3. Core Recovery Details

Hole	M0078A
Cores recovered	10
Drilled length (Coring, m)	46.00
Drilled length (Open hole, m)	0
Recovered length (m)	42.56
Recovery (%)	93%
Depth at midnight (mbsf)	424.60

4. Time Breakdown

00:50 Core on deck
03:10 Core on deck
05:40 Core on deck
08:20 Core on deck
11:05 Core on deck
14:20 Core on deck
16:30 Core on deck
19:10 Core on deck
21:10 Core on deck
23:30 Core on deck

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

In port	0.0
Transiting	0.0
Operating	24.0
Technical downtime	0.0
Weather downtime	0.0
Other downtime (specify)	0.0

6. Weather

Cloudy with scattered showers throughout the morning, sunny with highs of 16°C through the afternoon and evening. Winds up to 14 km/h from a WSW direction, switching to a SSW in the afternoon, and waves of <0.3 m high.

7. Planned Activity for the next 24 hours

Continue with coring at site M0078A.

8. Health and Safety and Environmental

N/A

9. Photo of the day



Clouds at sunset. LMcNeill@ECORD_IODP