

27th Oct 00:00 – 27th Oct 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

The onboard scientists continue describing and analysing the cores, investigating the past environmental and sedimentological conditions. A summary of the observations and scientific results so far was prepared and sent to the whole science party, including those not onboard, in order to keep everyone up to speed. A synthetic seismogram is starting to be developed using MSCL data and existing velocity information to correlate the cores with the seismic reflection data, and shows good correspondence to key horizons in the shallow section.

3. Core Recovery Details

Hole	M0078A
Cores recovered	16
Drilled length (Coring, m)	53.1
Drilled length (Open hole, m)	0
Recovered length (m)	51.99
Recovery (%)	98%
Depth at midnight (mbsf)	162.14

4. Time Breakdown

00:00 Core on deck
02:40 Core on deck
04:02 Core on deck
05:20 Core on deck
07:10 Core on deck
09:05 Core on deck
10:20 Core on deck
11:55 Core on deck
13:25 Core on deck
14:45 Core on deck
16:00 Core on deck
17:25 Core on deck
18:55 Core on deck
20:00 Core on deck
21:20 Core on deck
22:35 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

Sunny with clear skies and highs of 27°C. Winds typically 6 km/h, but with gusts of up to 17 km/h from an easterly direction, switching to a southwesterly in the late evening. Calm, flat seas throughout the day.

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



Hand-held penetrometer testing (LMcNeill@ECORD_IODP).