

24th Oct 00:00 – 24th 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 section from the upper part of M0078A sampled the most recent lacustrine-marine transition within the Gulf of Corinth based on onboard micropaleontological and sedimentological characterization. Alternating lacustrine and marine intervals in the Gulf are caused by sea level fluctuations between glacial and interglacial periods with respect to sills at the boundaries of the Gulf.

3. Core Recovery Details

Hole	M0078A
Cores recovered	17
Drilled length (Coring, m)	43.79
Drilled length (Open hole, m)	0
Recovered length (m)	36.51
Recovery (%)	83%
Depth at midnight (mbsf)	43.79

4. Time Breakdown

02:30 Core on deck.
04:10 Core on deck.
06:05 Core on deck.
07:40 Core on deck.
09:15 Core on deck.
10:45 Core on deck.
12:15 Core on deck.
13:45 Core on deck.
14:55 Core on deck.
16:25 Core on deck.
17:55 Core on deck.
19:15 Core on deck.
20:25 Core on deck.
21:35 Core on deck.
23:20 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

Overcast, with highs of 18°C. Approx. 1.0 m high waves, with 14 km/h winds from the NE. Thunderstorms and light rain showers in the late evening.

7. Planned Activity for the next 24 hours

Continue coring at M0078A.

8. Health and Safety and Environmental
N/A

9. Photos of the day



Scientist Abah Omale (foreground) working with ESO Petrophysicist Laurence Phillpot (background) in the MSCL laboratory (ELeBer©ECORD_IODP).