

3rd Nov 00:00 – 3rd 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

Synthetic seismograms calculated using density measurements acquired by the Multi Sensor Core Logger provide preliminary links between seismic reflection data and the core. Systematic testing of end-member possible correlations between synthetic and real seismograms confirms that we are approaching the estimated depth of an unconformity separating the two main synrift sedimentary units in the Gulf of Corinth. We are also comparing the different chronostratigraphic models for the most recent sedimentary unit with our drilling results so far.

3. Core Recovery Details

Hole	M0078A
Cores recovered	10
Drilled length (Coring, m)	44.20
Drilled length (Open hole, m)	0
Recovered length (m)	32.60
Recovery (%)	74%
Depth at midnight (mbsf)	378.60

4. Time Breakdown

00:25 Core on deck
02:15 Core on deck
04:35 Core on deck
06:50 Core on deck
09:25 Core on deck
11:45 Core on deck
15:15 Core on deck
17:10 Core on deck
19:30 Core on deck
21:50 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 highs of 23°C. Winds of up to 23 km/h from a WNW direction, switching to a WSW towards the evening, and waves of 1.0 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



Core Curation – Day shift Curator Alex Wülbers curates the recovered material and enters into the database (ELeBer@ECORD_IODP)