

9<sup>th</sup> Nov 00:00 –9<sup>th</sup> 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

Cores from the lower seismic unit exhibit substantial variations in stiffness based on hand-held penetrometer measurements taken every 20 m, particularly in the last 100 m. In some cases, stiffness variations correlate with apparent changes in the core sediment color. Additional strength measurements will be taken once the cores are split in Bremen to further evaluate sediment strength variation and any correlations with lithology.

#### 3. Core Recovery Details

Hole	M0078A
Cores recovered	6
Drilled length (Coring, m)	24.0
Drilled length (Open hole, m)	0
Recovered length (m)	14.47
Recovery (%)	60
Depth at midnight (mbsf)	595.5

#### 4. Time Breakdown

01:10 Core on deck  
04:25 Core on deck  
04:35 Coring tool difficulties  
05:25 Drill floor maintenance  
09:25 Core on deck  
12:25 Core on deck  
12:30 Coring tool difficulties  
18:55 Core on deck  
21:45 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	20.35
Technical downtime	3.65
Weather downtime	0.0
Other downtime (specify)	0.0

#### 6. Weather

Sunny with highs of 24°C. Winds up to 15 km/h from a SE direction, switching to westerly through the evening, and waves of <0.5 m high.

#### 7. Planned Activity for the next 24 hours

Continue with coring at site M0078A and begin preparations for downhole logging.

#### 8. Health and Safety and Environmental

N/A

#### 9. Photo of the day



*An artistic shot of a core catcher (VBender@ECORD\_IODP)*