Daily Drilling and Scientific Report for IODP Expedition 381
Corinth Active Rift Development 2017

28th Oct 00:00 – 28th 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 science party are starting to integrate their results over the 200 m of cored section sampled so far. Some of the cores recovered are gas rich, resulting in core expansion, due likely, to moderate organic matter content, potentially terrestrial, found within many of the cores.

3. Core Recovery Details

<table>
<thead>
<tr>
<th>Hole</th>
<th>M0078A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cores recovered</td>
<td>17</td>
</tr>
<tr>
<td>Drilled length (Coring, m)</td>
<td>37.0</td>
</tr>
<tr>
<td>Drilled length (Open hole, m)</td>
<td>0</td>
</tr>
<tr>
<td>Recovered length (m)</td>
<td>30.12</td>
</tr>
<tr>
<td>Recovery (%)</td>
<td>81%</td>
</tr>
<tr>
<td>Depth at midnight (mbsf)</td>
<td>199.14</td>
</tr>
</tbody>
</table>

4. Time Breakdown
00:05  Core on deck
01:40  Core on deck
02:55  Core on deck
04:45  Core on deck
06:20  Core on deck
07:20  Core on deck
08:40  Core on deck (no recovery)
09:40  Core on deck (no recovery)
11:30  Core on deck
13:00  Core on deck (no recovery)
14:15  Core on deck
15:45  Core on deck
17:15  Core on deck
18:40  Core on deck
20:15  Core on deck
21:25  Core on deck
22:45  Core on deck

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

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<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>In port</td>
<td>0.0</td>
</tr>
<tr>
<td>Transiting</td>
<td>0.0</td>
</tr>
<tr>
<td>Operating</td>
<td>24.0</td>
</tr>
<tr>
<td>Technical downtime</td>
<td>0.0</td>
</tr>
<tr>
<td>Weather downtime</td>
<td>0.0</td>
</tr>
<tr>
<td>Other downtime (specify)</td>
<td>0.0</td>
</tr>
</tbody>
</table>

6. Weather
Cloudy with highs of 23°C and scattered showers. Winds up to 20 km/h, with gusts of up to 26 km/h from a westerly direction throughout the morning, switching to an easterly in the afternoon. Waves of <0.5 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

Our first day time visit from the dolphins! ELeBer@ECORD_IODP