Daily Drilling and Scientific Report for IODP Expedition 386
Japan Trench Paleoseismology, 2021

23rd April 00:00 – 24:00 JST Japan Standard Time (UTC+9)

1. Location
Position 38° 15.97’ N, 141° 18.30’ E
IODP-MSP borehole: N/A
Prospectus borehole: N/A
Water Depth: N/A

2. Operations Report
After passing through rough seas, the ship arrived at a safe stand-by point off Ishinomaki by 0830 hrs. Deck crews and GPC operation team started withdrawing core from site JTPS-01 and cutting into 5 m segments from the bottom of a core barrel. This first 40 m GPC operation yielded >35 m core. After lunch, Sediment sampling continued at each section end while cutting into 1 m sections commenced. Meanwhile deck crew and GPC operation team prepared 20 m GPC assembly for the next run. All deck work was completed by 1700 hrs and the ship start sailing to Site JTPC-05A at 1800 hrs.

3. Science Report
N/A

4. Core Recovery Details
Cores retrieved on Apr 22 at M0081 Holes C and D

<table>
<thead>
<tr>
<th>Hole</th>
<th>C (trigger corer)</th>
<th>D (GPC main)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barrel length (m)</td>
<td>1.5</td>
<td>40</td>
</tr>
<tr>
<td>Cored length (m)</td>
<td>1.07</td>
<td>35.47</td>
</tr>
<tr>
<td>Curated length (m)</td>
<td>1.07</td>
<td>35.47</td>
</tr>
<tr>
<td>Recovery (%)</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>Number of sections</td>
<td>2</td>
<td>37</td>
</tr>
</tbody>
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5. Time Breakdown
00:00 Continue to sail off Ishinomaki for WOW
08:30 Arrive at stand-by point off Ishinomaki
     Start withdrawing and cutting core into 5 m segments while preparing 20 m GPC for the next run
11:00 Start cutting core into 1 m sections while collecting sediment samples
16:00 Complete to make up GPC assembly and cutting core sections
18:00 Move to Site JTPC-05A

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

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<table>
<thead>
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<tbody>
<tr>
<td>In port</td>
<td>10.0</td>
</tr>
<tr>
<td>Transiting</td>
<td>22.65</td>
</tr>
<tr>
<td>Operating</td>
<td>73.5</td>
</tr>
<tr>
<td>Technical downtime</td>
<td>0.0</td>
</tr>
<tr>
<td>Weather downtime</td>
<td>147.65</td>
</tr>
<tr>
<td>Other downtime (specify)</td>
<td>0.0</td>
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</tbody>
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7. Weather
Fine but cloudy and cool temperature of ~10 degC, with gentle northerly winds (< 5 m/s). Calm sea surface conditions at the stand-by point.

8. Planned Activity for the next 24 hours
Sail to Site JTPC-05A, site survey, conduct 20 m GPC.

9. Health and Safety and Environmental
N/A
10. Photo of the day

1) Deck crew setting core liner clamp to withdraw a core at the bottom end of a 40 m barrel string (photo by NSakurai@ECORD/IODP/JAMSTEC)

2) 5 m core segments waiting for cutting into 1 m sections (photo by NOkutsu@ECORD/IODP/JAMSTEC)

3) Automatic liner cutter set on a core (photo by LMaeda@ECORD/IODP/JAMSTEC)

4) Scientist Kan-His Hsiung surrounded by 1 m sections while collecting sediment samples (photo by LMaeda@ECORD/IODP/JAMSTEC)

5) The bottom end of a core after sampling (photo by LMaeda@ECORD/IODP/JAMSTEC)

6) All 1 m sections in No. 3 Laboratory (photo by LMaeda@ECORD/IODP/JAMSTEC)
7) Scientist Toshiya Kanamatsu collecting IW using Rhizon sampler (photo by NOkutsu@ECORD/IODP/JAMSTEC)

8) Lab tech checking crimp condition of each headspace vial (photo by NOkutsu@ECORD/IODP/JAMSTEC)