



**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

Hole	C (trigger corer)	D (GPC main)
Barrel length (m)	1.5	40
Cored length (m)	1.07	35.47
Curated length (m)	1.07	35.47
Recovery (%)	100	100
Number of sections	2	37

**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**

In port	10.0
Transiting	22.65
Operating	73.5
Technical downtime	0.0
Weather downtime	147.65
Other downtime (specify)	0.0

**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.

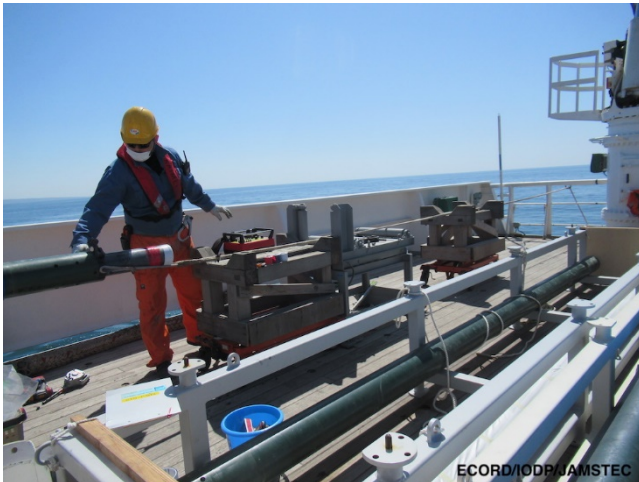
**8. Planned Activity for the next 24 hours**

Sail to Site JTPC-05A, site survey, conduct 20 m GPC.

**9. Health and Safety and Environmental**

N/A

## 10. Photo of the day



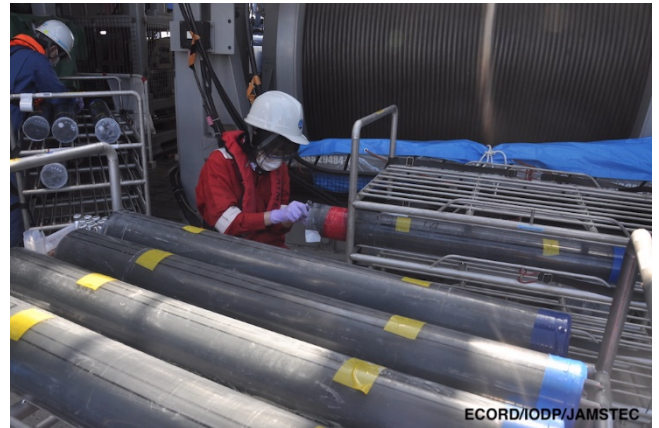
1) Deck crew setting core liner clamp to withdraw a core at the bottom end of a 40 m barrel string (photo by NSakurai@ECORD/IODP/JAMSTEC)



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)



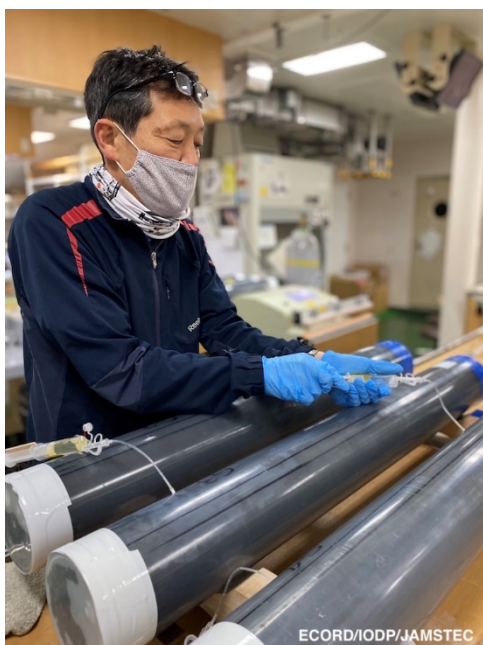
4) Scientist Kan-His Hsiung surrounded by 1 m sections while collecting sediment samples (photo by LMaeda@ECORD/IODP/JAMSTEC)



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)