



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



30th April 00:00 – 24:00 JST Japan Standard Time (UTC+9)

1. Location

Position 39° 39.46' N, 141° 59.78' E

IODP-MSP borehole: N/A

Prospectus borehole: N/A

Water Depth: N/A

2. Operations Report

Withdrawing and cutting core M0085 D (Site JTPN-10A) into 5 m sections began at 0800 hrs and was completed by 1000 hrs. No notable gas expansion was observed in this core, which enabled quicker withdrawing and cutting. Cutting core into 1 m sections was started after the whole science party was assembled at 1130 hrs, and was completed by 1600 hrs with a 30-minute lunch break. The GPC operation team took the Trigger system apart for maintenance, then made up the 40 m GPC assembly for the next run. All deck work was completed by 17:00, and the ship began sailing to Site M0083 (JTPC-05A) at 2300 hrs.

3. Science Report

N/A

4. Core Recovery Details

Core retrieved on Apr 29 (Site M0085)

Hole	C (Trigger core)	D (GPC main)
Barrel length (m)	1.5	40
Cored length (m)	0.33	33.69
Curated length (m)	0.33	33.69
Recovery (%)	100	100
Number of sections	2	34

5. Time Breakdown

00:00 Continue WOW at off Miyako

08:00 Withdraw and cut core into 5 m sections.

11:30 Cut core into 1 m sections while collecting sediment samples from each section bottom end.

13:00 Maintenance of GPC parts and preparation of 40 m GPC assembly for the next run.

16:00 Complete section cutting and sampling.

17:00 Complete making up 40 m GPC assembly.

23:00 Move to Site M0083.

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

In port	10.0
Transiting	30.4
Operating	180.0
Technical downtime	0.0
Weather downtime	199.9
Other downtime (specify)	0.0

7. Weather

Fine but cloudy all day with warm temperature (~15 degC). Moderate westerly winds (~12 m/s), and ~3 m wave heights observed.

8. Planned Activity for the next 24 hours

40 m GPC at Site M0083 (Site JTPC-05A).

9. Health and Safety and Environmental

N/A

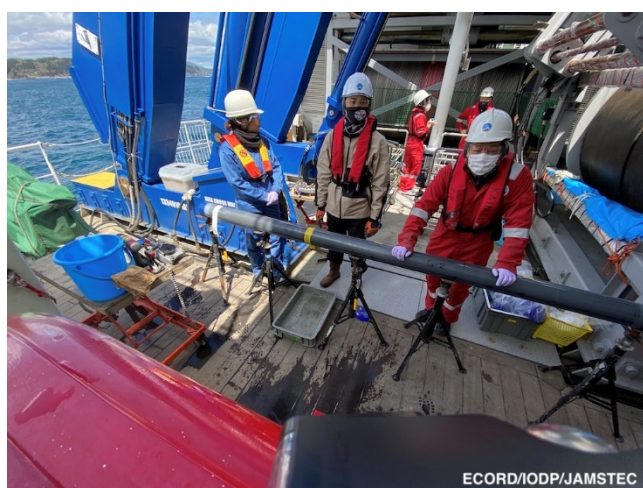
10. Photo of the day



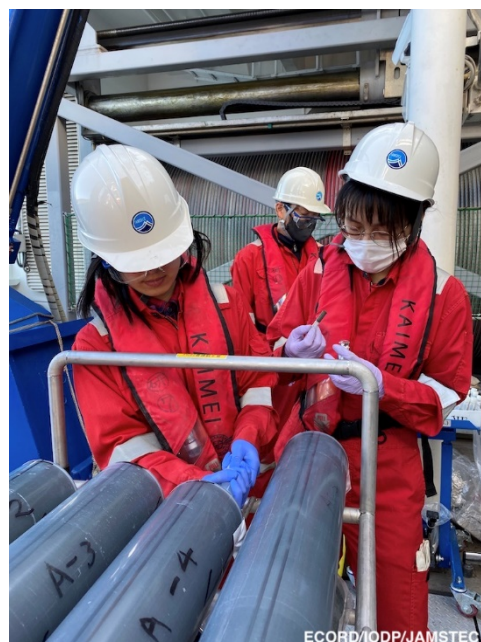
1) On the Bridge in the morning, off Miyako (photo by NOKutsu@ECORD/IODP/JAMSTEC)



2) 5 m segments waiting for cutting into sections under UV-cut sheet (photo by LMaeda@ECORD/IODP/JAMSTEC)



3) A short break before cutting (photo by NOKutsu@ECORD/IODP/JAMSTEC)



4) Taking turns to sample from the bottom of a section (photo by NOKutsu@ECORD/IODP/JAMSTEC)



5) Sample tubes for microbiological study in the sampling area (photo by LMaeda@ECORD/IODP/JAMSTEC)



6) GPC operation team washing the mud off the assembly (photo by LMaeda@ECORD/IODP/JAMSTEC)



7) MSCL scanning completed (photo by LMeda@ECORD/IODP/JAMSTEC)