



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



15th April 00:00 – 16th April 24:00 JST Japan Standard Time (UTC+9)

1. Location

Position 36° 08.58' N, 142° 47.4' E
IODP-MSP borehole N/A
Prospectus borehole N/A
Water Depth: N/A

2. Operations Report

The ship arrived at Site JTPS-02A at 0500 hrs. Deployment of XBT probe was conducted soon after DPS setting while monitoring sea surface current. MBES/SBP started at 0630 hrs along the same survey line captured by the previous Sonne cruise to confirm sea floor basin characteristics had not changed since the previous survey. At 0800 hrs, an attempt was made to keep ship position at Site JTPC-02A. Despite running thrusters at 60% of maximum power the ship was carried to northwest due to strong Kuroshio current (~2.6 knot) from south-southwest in combination with a strong southeasterly wind (~12 m/s). The captain and Co-Chief Ken Ikehara decided no GPC operation was possible and the time on site would be better spent conducting additional surveys.

Three lines parallel to the trench axis were selected and survey commenced at 0815 hrs, and ended at 1530 hrs. Kaimei then set sail to hold position off Inubo-saki cape to wait out weather.

In the laboratories, preparations for each sample request were continued, labelling vials, making sampling check sheets and vial stands/boxes to prevent confusing or missing samples, and the GPC operation team manufactured various tool/consumables to enable easier handling.

3. Science Report

No science to report.

4. Core Recovery Details

Hole	N/A
Cores recovered	N/A
Drilled length (Coring, m)	N/A
Drilled length (Open hole, m)	N/A
Recovered length (m)	N/A
Recovery (%)	N/A
Depth at midnight (mbsf)	N/A

5. Time Breakdown

00:00 Continue to sail
05:00 Arrive at area of JTPS-01A/02A, and set DPS
05:15 Deploy XBT at 36° 01.5790' N, 142° 40.9964' E
05:30 Set up MBES/SBP
06:30 Conduct MBES/SBP survey
From Lat: 36°03.5274' N, Long: 142°43.4694' E to Lat: 36°07.6642' N, Long: 142°46.8876' E
08:00 Attempt to keep ship position but moved downstream
08:15 Conduct MBES/SBP survey on 3 survey lines
#1(N-S): From Lat: 36°09.0042' N, Long: 142°49.3157' E to Lat: 36°01.7069' N, Long: 142°42.2744' E
#2(N-S): From Lat: 36°01.7031' N, Long: 142°40.7080' E to Lat: 36°08.6107' N, Long: 142°47.4483' E
#3(N-S): From Lat: 36°07.0915' N, Long: 142°45.0560' E to Lat: 36°03.7459' N, Long: 142°41.7666' E
15:30 Sail to off Inubo-saki cape for WOW
17:00 ESO MarE3 Daily Meeting
22:45 Arrive at off Inubo-saki cap and WOW

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

In port	10.0
Transiting	16.15

Operating	8.0
Technical downtime	0.0
Weather downtime	59.15
Other downtime (specify)	0.0

7. Weather

Cloudy and relatively cool (< 14 degC) with winds ~12 m/s from south east, and the sea surface current ran to northeast with ~2.6 knot around Sites JTPS-01A and JTPS-02A.

8. Planned Activity for the next 24 hours

WOW off Inubo-saki Cape

9. Health and Safety and Environmental

N/A

10. Photo of the day



ECORD/IODP/JAMSTEC

Monitoring MBES/SBP data at No. 1 Laboratory (photo by TKanamatsu@ECORD/IODP/JAMSTEC)



ECORD/IODP/JAMSTEC

Making rounded foam as sediment stopper (photo by LMaeda@ECORD/IODP/JAMSTEC)