



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



**4<sup>th</sup> May 00:00 – 24:00 JST Japan Standard Time (UTC+9)**

**1. Location**

Position 39° 3.584' N, 144° 12.934' E  
IODP-MSP borehole: N/A  
Prospectus borehole: JN/A  
Water Depth: N/A

**2. Operations Report**

The ship was stood-by at Site JTPC-09A for 20 m GPC operation. However, strong winds with high waves were observed throughout the day and so at 1300 hrs the decision was made to postpone the GPC operation. WOW was continued until 1530 hrs when wind speed decreased <15 m/s. MBES/SBP survey was conducted above the GPC operation point, then the ship moved to Site JTPN-07A. XBT was deployed around Site JTPN-07A, and MBES/SBP survey was started from 2045 hrs. Meanwhile, cores M0086A/B (Site JTPN-05A) and M0087A/B (Site JTPN-02A) were transported to a core container. In the laboratory, all cores so far retrieved have completed MSCL logging and pmH/Alk IW measurement. Salinity index and NH<sub>4</sub> measurement continued for M0087A and B cores.

**3. Science Report**

N/A

**4. Core Recovery Details**

No core recovered

<b>Hole</b>		
<b>Barrel length (m)</b>		
<b>Cored length (m)</b>		
<b>Curated length (m)</b>		
<b>Recovery (%)</b>		
<b>Number of sections</b>		

**5. Time Breakdown**

00:00 Continue WOW at Site JTPC-09A.  
13:00 Decision to postpone 20 m GPC at Site JTPC-09A due to rough weather.  
15:30 Conduct MBES/SBP survey  
On GPC site: From Lat: 39°03.8926' N, Long: 144°12.9406' E to Lat: 39°06.0062' N, Long: 144°13.0196' E  
16:16 Move to Site JTPN-07A  
20:30 Deploy XBT  
20:45 Start MBES/SBP survey  
On GPC site: From Lat: 40°02.9334' N, Long: 144°18.9591' E to Lat: 40°07.5054' N, Long: 144°19.9944' E  
#4(W-E): From Lat: 40°07.3891' N, Long: 144°18.9016' E to Lat: 40°07.9182' N, Long: 144°22.0237' E  
#3(W-E): From Lat: 40°08.6548' N, Long: 144°22.5015' E to Lat: 40°07.7961' N, Long: 144°18.8949' E

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

<b>In port</b>	10.0
<b>Transiting</b>	30.4
<b>Operating</b>	249.0
<b>Technical downtime</b>	0.0
<b>Weather downtime</b>	226.9
<b>Other downtime (specify)</b>	0.0

**7. Weather**

Fine but cloudy and relatively warm (~15 degC). Strong winds from west – northwest (>16 m/s) blowing until 1500 hrs, lessening in the evening. Wave heights were ~3 m by 1500 hrs while surface current was slow (<1 knot flowing northwest).

## 8. Planned Activity for the next 24 hours

Conduct 20 m GPC at Site JTPN-07A.

## 9. Health and Safety and Environmental

General safety meeting

## 10. Photo of the day



1) Lab tech preparing box pallets in a core container (photo by LMaeda@ECORD/IODP/JAMSTEC)



3) Cores stored in a box pallet (photo by LMaeda@ECORD/IODP/JAMSTEC)



2) Lab tech packing a core in a box pallet (photo by TKanamatsu@ECORD/IODP/JAMSTEC)



4) The GPC winch cable (photo by LMaeda@ECORD/IODP/JAMSTEC)