# Daily Coring and Scientific Report for IODP Expedition 389 Hawaiian Drowned Reefs



26<sup>th</sup> September 00:00 - 24:00 HST Hawaii Standard Time (UTC -10)

### 1. Location at 24:00

Position 19°50.1281'N, 156°5.0566'W Water Depth: approximately 140 m

### 2. Operations Report

Two boreholes were started today with the first, M99E, unfortunately finishing due to a technical fault at 31.8 mbsf. The corer was recovered to deck and the equipment repaired which allowed us to commence coring at a different location. All the cores were extracted from the barrels, curated and placed in the MSCL container. 13.45 mbsf had been achieved by midnight on site M99F.

# HAMAIAN DROWNED REEFS

### 3. Science Report

MSCL logging and lithological descriptions completed for M99E.

### 4. Core Recovery Details

Hole	M99E	M99F
Cores recovered	25	11
Drilled length (Coring, m)	16.47	13.45
Drilled length (Open hole, m)	N/A	N/A
Recovered length (m)	18.00	7.94
Recovery (%)	56.93	50.19
Depth at midnight (mbsf)	N/A	13.45

### 5. Time Breakdown

00:00 - 06:30	Hole M99E abandoned at 31.62 m due to a technical issue on seafloor corer
06:30 - 07:30	Seafloor corer recovery
07:30 - 09:30	Barrels unloaded from seafloor corer, seafloor corer maintenance
09:30 - 12:15	Extracting cores from core barrels for M99E & prepare for deployment for KAW-02Cf.
12:15 - 12:30	Launch and landing of seafloor corer
12:30 - 12:45	Start coring operations at Hole M99F, complete curation of cores from Hole M99E.
12:45 - 24:00	Continue coring operations in Hole M99F

### 6. Hours - no contractual implications can be made from these figures

In port	0.0
Transiting	0.0
Operating	21.92
Technical downtime	2.08
Weather downtime	0.0
Mobilisation	0.0

### 7. Weather

Most sunny in the morning, cloudy in the afternoon, good visibility. Wave heights of 0.7 - 0.8 m and swell 0.4 - 0.5 m; wind direction W to NNW at 2 - 7 kts, gusting 8 - 12 kts; Temperature 24 - 25°C.

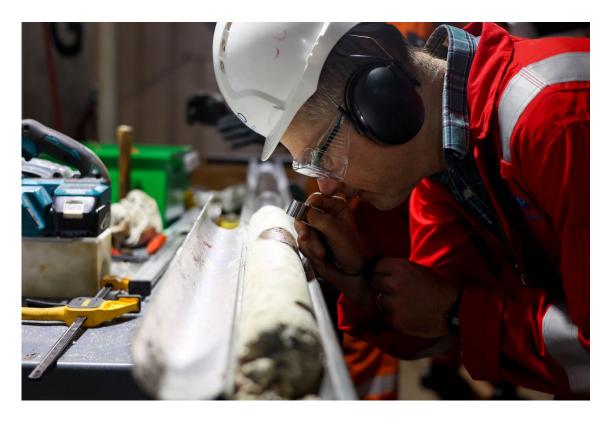
### 8. Planned Activity for the next 24 hours

- Continue coring operations at Site M99.
- Begin transit back to Barbers Point Harbor, Oahu for mid-expedition port call.

### 9. Health and Safety and Environmental

• Toolbox talks at 11:30 and 23:30 for all on shift. EPMs and Ops Manager attended Contractor Toolbox talk at 11.45 and EPMs at 23:50. Information disseminated to remainder of Science Party.

## 10. Photo(s) of the day



Co-Chief Scientist Jody Webster examining core on deck from M99E. Photo by MarleyParker@ECORD\_IODP.