

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

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



### 1. Location at 24:00

Position 19°50.0523'N, 156°05.476'W

Water Depth: approximately 130 m

### 2. Operations Report

The day started with work on deck to recover the core barrel and rods that could not be placed in the magazine due to the tight joint which caused the termination of borehole M99B. A quick turnaround and deployment of the corer to the sea bed 5 m from the previous location. Borehole M99C was cored from the sea bed and successfully cored to 19.76 m by midnight.

### 3. Science Report

Core curation, MSCL logging and lithological descriptions were completed for Hole M99B. Processing of M99B samples for geochronological analysis are ongoing.

A new blog post titled 'A Conversation with Stephan Jorry' was published on the expedition blog site <https://expedition389.wordpress.com/>



### 4. Core Recovery Details

Hole	M99B	M99C
Cores recovered	5	N/A
Drilled length (Coring, m)	6.4	19.76
Drilled length (Open hole, m)	N/A	N/A
Recovered length (m)	4.35	N/A
Recovery (%)	67.97	N/A
Depth at midnight (mbsf)	N/A	19.76

### 5. Time Breakdown

00:00 – 01:26 (continued), recover seabed corer

01:26 – 03:40 Carry out maintenance and unload core barrels from Hole M99B

03:40 – 05:45 Extract cores from core barrels, prepare seabed corer for deployment for location KAW-02Cc

05:45 – 06:20 Seabed corer launch and landing, Hole M99C

06:20 – 24:00 Coring and operations, depth at 24:00: ~20 mbsf.

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

In port	0.0
Transiting	0.0
Operating	17.5
Technical downtime	6.5
Weather downtime	0.0
Mobilisation	0.0

### 7. Weather

Partially cloudy, reasonable visibility and high humidity. Wave heights of 0.8 – 0.9 m and swell 0.5 – 0.6 m; wind direction NE to W at 2 – 8 kts, gusting 8 - 13 kts; Temperature 25 - 26°C.

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

- Continue coring operations in Hole M99C.
- Weekly safety meeting

### 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.
- Weekly deck safety walk completed by ESO Operations Manager Graham Tulloch with contractor and ship personnel.

### 10. Photo(s) of the day



Core on deck! A first view of core in core barrels prior to curation.  
Photo by JodyWebster@ECORD\_IODP.