

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

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



### 1. Location at 24:00

Position: 20°17.403'N, 155°39.054'W

Water Depth: ~ 412 m

### 2. Operations Report

Following repairs to the seafloor corer and a false start during an initial dive, the corer was deployed to the sea bed on site KOH-01Ac and commenced wash boring M102C to 20 mbsf. This was completed and casing set to 18.5 mbsf, coring progressed to 24.74 mbsf by midnight with additional casing to 24 mbsf.

### 3. Science Report

Core curation, MSCL logging, geochemical sampling and lithological descriptions completed for Hole M102B.



### 4. Core Recovery Details

Hole	M102B
Cores recovered	0
Drilled length (Coring, m)	4.74
Drilled length (Open hole, m)	20.00
Recovered length (m)	N/A
Recovery (%)	N/A
Depth at midnight (mbsf)	24.74

### 5. Time Breakdown

00:00 – 01:49 Commence wash boring on M102B; fault in manifold noted. Hole terminated.

01:49 – 07:44 Recover seafloor corer to deck and complete repairs and preventative maintenance.

07:44 – 17:47 Deploy corer to sea bed and advance borehole M102C by wash boring & casing to 20 mbsf.

17:47 – 24:00 Continue advancing borehole by rotary coring to 20 mbsf to 24.74 mbsf at midnight.

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

In port	0.0
Transiting	0.0
Operating	6.22
Technical downtime	17.78
Weather downtime	0.0
Mobilisation	0.0

### 7. Weather

Mostly cloudy, isolated rain showers, moderate visibility. Wave heights of 0.9 – 1.0 m and swell 0.5– 0.9 m; wind direction easterly at 10 – 15 kts, gusting 13 - 20 kts; Temperature 24 - 26°C.

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

- Continue coring operations at M101C.

### 9. Health and Safety and Environmental

- Toolbox talks at 11:30 and 23:30 for all on shift. EPM and Ops Manager attended Contractor Toolbox talk at 11.45 and EPM at 23:50. Information disseminated to remainder of Science Party.
- Weekly safety meeting.

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



A first look at the core on deck! From left to right: Stephan Jorry, Nancy Prouty and Jody Webster.  
Photo by MarisaRydzynski@ECORD\_IODP.