

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

9th September 00:00 - 24:00 HST Hawaii Standard Time (UTC -10)



1. Location at 24:00

Position 19° 56.5494 N, 156° 03.7995 W

Water Depth: approximately 414 m

2. Operations Report

Rotary coring from 19.8 m to 35.2 mbsf. The driller felt the bit may have debris behind it causing torqueing. The seafloor corer may also have moved causing a misalignment between the top drive and borehole. The decision to end the hole early was taken and the extraction of the barrels and rods commenced.

3. Science Report

N/A

4. Core Recovery Details

Hole	M97A
Cores recovered	N/A
Drilled length (Coring, m)	15.4
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 – 16:40 Advance M97A by rotary coring 19.8 to 35.2 m

16:40 – 24:00 Commence pulling rods; lower rods sticky and so commence slow back reaming whilst flushing.

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

In port	0.0
Transiting	0.0
Operating	24
Technical downtime	0.0
Weather downtime	0.0
Mobilisation	0.0

7. Weather

Fair, partially sunny, good visibility, wave heights of 0.7 – 1.1 m and swell 0.5 – 0.7 m; wind direction NE at 3 – 11 kts, gusting 9 - 18 kts; Temperature 24 - 26°C.

8. Planned Activity for the next 24 hours

- Process M97A core.
- Recover beacon in daylight.
- Proceed to Hole M97B location and attempt coring.

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



Photograph by Marley Parker © ECORD_IODP. Geochemists Kenna Rubin (L) and Ana Prohaska (R) working in the Geochemistry container.