

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

5^h September 00:00 - 24:00 HST Hawaii Standard Time (UTC -10)



1. Location at 24:00

Position 20° 02.1863 N, 156° 03.9432 W

Water Depth: approximately 739 m

2. Operations Report

The seafloor corer was deployed and recovered twice to the sea bed. A successful dive recovered a core of 1.62m before the seafloor corer was recovered to deck for adjustment.

3. Science Report

Jody Webster (Co-Chief) gave a presentation about Exp. 389 to the off-shift contractor crew about the science background and objectives.

4. Core Recovery Details

Hole	M96A
Cores recovered	2
Drilled length (Coring, m)	1.77m
Drilled length (Open hole, m)	N/A
Recovered length (m)	1.62m
Recovery (%)	91.53
Depth at midnight (mbsf)	1.77m



5. Time Breakdown

00:00 – 02:55 Preparation for seafloor corer deployment

02:55 – 07:00 Deployment of seafloor corer

07:00 – 09:40 Recovery of seafloor corer to deck

09:40 – 12:50 Preparation for deployment of seafloor corer

12:50 – 14:30 Deployment of seafloor corer

14:30 – 18:15 Coring operations

18:15 – 19:45 Recovery of seafloor corer to deck

19:45 – 24:00 Align clamps, inspect and tighten all magazine fasteners

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

In port	0.0
Transiting	0.0
Operating	11.5
Technical downtime	12.5
Weather downtime	0.0
Mobilisation	0.0

7. Weather

Fair, mostly sunny, good visibility, wave heights of 1.0 – 1.1 m and swell 0.8 – 1.0; wind direction NW-SW at 1 – 5 kts, gusting 8 - 10 kts; Temperature 24 - 27°C.

8. Planned Activity for the next 24 hours

- Resume coring operations.

10. 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.
- Night shift back deck HSE introduction by ESO Operations Manager.

11. Photo(s) of the day



Photograph by MParker© ECORD_IODP. Co-Chief Jody Webster examining the first Expedition 389 core.