

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

7th September 00:00 - 24:00 HST Hawaii Standard Time (UTC -10)



1. Location at 24:00

Position 20° 56.5472 N, 156° 03.7998 W

Water Depth: approximately 415 m

2. Operations Report

The seafloor corer was deployed and rotary coring progressed to 7.4m. The ship transited to a new location, KAW-04B, where the tool load was changed to run primarily with aluminium liners to compare the efficacy of these against polycarbonate.

3. Science Report

Recovered core described by sedimentology team. MSCL completed for M96A.



4. Core Recovery Details (to 24:00)

Hole	M96D	M97A
Cores recovered	4	N/A
Drilled length (Coring, m)	7.4	1.1
Drilled length (Open hole, m)	N/A	N/A
Recovered length (m)	2.24	N/A
Recovery (%)	30.27	N/A
Depth at midnight (mbsf)	N/A	1.1

5. Time Breakdown

00:00 – 01:50 Preparation for seafloor corer deployment
01:50 – 04:30 Deployment and seafloor landing of seafloor corer
04:30 – 15:05 Rotary coring operations and casing at M96D
15:05 – 15:50 Recovery of seafloor corer to deck
15:50 – 16:30 Deck operations, remove sample barrels and extract core liners
16:30 – 20:30 Transit to site KAW-04B
20:30 – 22:05 Preparation for seafloor corer deployment
22:05 – 23:10 Deployment and seafloor landing of seafloor corer
23:10 – 24:00 Advance M97A by rotary coring from 0.0 m to 1.1 m

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

In port	0.0
Transiting	0.0
Operating	16.7
Technical downtime	7.3
Weather downtime	0.0
Mobilisation	0.0

7. Weather

Fair, partially cloudy, good visibility, wave heights of 0.8 – 1.2 m and swell 0.8 – 1.0 m; wind direction easterly at 8 – 19 kts; Temperature 26-28°C.

8. Planned Activity for the next 24 hours

- Continue coring at site M97A

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 Pankaj Khanna©ECORD_IODP. Co-Chief Scientist Christina Ravelo, Sedimentologist Pankaj Khanna and Coral Specialist Marc Humblet on night shift in the ESO Science container.