

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

13th September 00:00 - 24:00 HST Hawaii Standard Time (UTC -10)



1. Location at 24:00

Position 20° 3.3067 N, 156° 11.3543 W

Water Depth: approximately 1100 m

2. Operations Report

The curation of cores from Hole M97B continued as the vessel transited to location MAH-01A. The seafloor corer tool magazine was filled with new core barrels and the drill deployed. Successful coring to 7.38 mbsf at Site M98 was achieved.

3. Science Report

Curation of cores from Hole M97B completed. MSCL logging for M97B completed and lithological descriptions are ongoing by science party.



4. Core Recovery Details

Hole	M97B	M98A
Cores recovered	12	N/A
Drilled length (Coring, m)	24.98	7.38
Drilled length (Open hole, m)	34.36	N/A
Recovered length (m)	23.17	N/A
Recovery (%)	92.75	N/A
Depth at midnight (mbsf)	N/A	7.38

5. Time Breakdown

00:00 – 02:20 Core barrels from Hole M97B extracted from seabed corer and seafloor corer deck operations.

02:20 – 04:40 Seafloor corer deployment at Site MAH-01A (M98A), landed at 04:20.

04:40 – 24:00 Advancement of M98A by rotary core and casing from 0.0 to 7.38 m.

6. Hours – 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

Sunny, some low cloud and haze with limited visibility. Wave heights of 1.4 – 1.8 m and swell 0.2 – 0.8 m; wind direction variable at 7 – 14 kts, gusting 9 - 18 kts; Temperature 24 - 26°C.

8. Planned Activity for the next 24 hours

- Continue coring Hole M98A.

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. Core in the curation container from Hole M97A.