

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



12th September 00:00 - 24:00 HST Hawaii Standard Time (UTC -10)

1. Location at 24:00

Position 20° 03.3018 N, 156° 11.3849 W

Water Depth: approximately 1100 m

2. Operations Report

Coring on M97B finished at 22:35 at a depth of 59.35 mbsf. The seafloor drill was recovered to deck, sea fastened and the vessel moved to location MAH-01A.

3. Science Report

Co-Chief Jody Webster gave a science summary presentation to the MMA vessel crew about Expedition 389.

4. Core Recovery Details

Hole	M97B
Cores recovered	N/A
Drilled length (Coring, m)	22.35
Drilled length (Open hole, m)	37.0
Recovered length (m)	N/A
Recovery (%)	N/A
Depth at midnight (mbsf)	N/A



5. Time Breakdown

00:00 – 22:35 Continued rotary coring of Hole M97B, 37.0 to 59.35 mbsf.

22:35 – 23:10 Recover seafloor drill to deck and sea fasten. Remove and replace samplers.

23:10 – 00:00 Transit to Site MAH-01A.

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

In port	0.0
Transiting	0.9
Operating	23.1
Technical downtime	0.0
Weather downtime	0.0
Mobilisation	0.0

7. Weather

Partially sunny, some low cloud and haze with limited visibility. Wave heights of 0.6 – 1.4 m and swell 0.4 – 0.5 m; wind direction variable at 2 – 8 kts, gusting 6 - 15 kts; Temperature 25 - 26°C.

8. Planned Activity for the next 24 hours

- Core curation, sampling, MSCL logging and lithological description for M97B.
- Begin coring at Site MAH-01A.

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 Stephan Jorry © ECORD_IODP. View from the ESO Main Street towards the MMA *Valour* superstructure.

