

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

16th September 00:00 - 24:00 HST Hawaii Standard Time (UTC -10)



1. Location at 24:00

Position 19°56.5425 N, 156°03.8506 W

Water Depth: approximately 417 m

2. Operations Report

Coring from sea bed very hard and slow again. Casing set at opportune depths to reduce caving of upper sections. The decision was made to wash bore as little progress between 6.031 and 6.57 mbsf. Reasonable progress was made following this although bit blocking did continue. Casing was set at 7.5 mbsf and faster penetration was then noted. A polycarbonate liner was used and 1.6 m advanced.

3. Science Report

Curation, MSCL logging, and core descriptions were completed for Hole M98A.

A new blog post titled 'A Conversation with Pankaj Khanna' was uploaded to the expedition blog site at <https://expedition389.wordpress.com/>



4. Core Recovery Details

Hole	M97C
Cores recovered	N/A
Drilled length (Coring, m)	11.3 m
Drilled length (Open hole, m)	0.54 m
Recovered length (m)	N/A
Recovery (%)	N/A
Depth at midnight (mbsf)	13.6 m

5. Time Breakdown

00:00 – 24:00 Progressing in M97C by coring and casing

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

Mostly cloudy, low cloud and haze with limited visibility and high humidity. Wave heights of 0.5 – 1.4 m and swell 0.4 – 0.6 m; wind direction S to ESE at 5 – 11 kts, gusting 6 - 14 kts; Temperature 24 - 25°C.

8. Planned Activity for the next 24 hours

- Continue coring Hole M97C.
- Weekly safety meeting.

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



Expedition 389 offshore Science Party participants from France. Sedimentologist Youri Hamon (L) and Physical Properties Specialist Stephan Jorry (R). Photo by MRydzy@ECORD_IODP.