

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

6th October 00:00 - 24:00 HST Hawaii Standard Time (UTC -10)



1. Location at 24:00

Position: 20°16.383'N, 155°29.35'W

Water Depth: ~931 m

2. Operations Report

Coring continued smoothly, if unspectacularly, from yesterday. Core runs continued to be short and time-consuming which sparked conversation on possible strategies to complete the hole. The risk was that we would have to take another dive to complete the borehole to the required depth. A strategy of wash boring for 2 metres followed by one or two core runs, depending on penetration and possible lithology cored was agreed. This was done for two runs of washing before coring penetration improved to proceed with continuous coring. By midnight a depth of 34.6 mbsf had been achieved.



3. Science Report

A new blog post titled 'A Piece of Time' about why we study paleoclimate was published on the expedition blog site at <https://expedition389.wordpress.com/>.

4. Core Recovery Details

Hole	M101B
Cores recovered	N/A
Drilled length (Coring, m)	10.19
Drilled length (Open hole, m)	5.18
Recovered length (m)	N/A
Recovery (%)	N/A
Depth at midnight (mbsf)	34.6

5. Time Breakdown

00:00 – 24:00 Advancing borehole M101B by coring and wash boring whilst setting casing at appropriate levels.

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, good visibility. Wave heights of 1.7 – 2.0 m and swell 1.4 – 1.6 m; wind direction E to SE at 10 – 17 kts, gusting 13 - 22 kts; Temperature 25 - 26°C.

8. Planned Activity for the next 24 hours

- Continue coring operations at location KOH-02A.

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



Just before sunrise, a view highlighting a benefit of the night shift!
Photo by HannahGrant@ECORD_IODP.