

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

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



1. Location at 24:00

Position: 19°52.620'N, 154°56.376'W

Water Depth: ~ 404 m

2. Operations Report

A full day of coring on M103A. Midnight to midnight 22.62 m was cored. Simultaneously, the cores from M102C were extracted from the barrels and curated. This task was completed at 19:00.

3. Science Report

Core curation of M102C was completed by the night shift and MSCL logging was completed on all but 7 sections. Lithological descriptions were completed up to section 28. All interstitial water sample splits were completed by midnight.

A new blog post titled 'A Conversation with Ana Prohaska' was published on the expedition blog site at <https://expedition389.wordpress.com/>.



4. Core Recovery Details

Hole	M103A
Cores recovered	N/A
Drilled length (Coring, m)	22.62
Drilled length (Open hole, m)	N/A
Recovered length (m)	N/A
Recovery (%)	N/A
Depth at midnight (mbsf)	23.83

5. Time Breakdown

00:00 – 24:00 Advancing M103A by rotary coring from 1.85 mbsf to 23.83 mbsf.

00:00 – 19:00 Curation of cores from borehole M102C

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

Overcast with occasional sunshine and isolated squally rain showers, high humidity and poor visibility. Wave heights of 1.2 – 1.3 m and swell 1.0 – 1.1 m; wind direction southwesterly at 1 – 8 kts, gusting 8 - 18 kts; Temperature 24 - 25°C.

8. Planned Activity for the next 24 hours

- Complete coring operations at M103A, transit to site HIL-04A.

9. Health and Safety and Environmental

- Toolbox talks at 11:30 and 23:30 for all on shift. EPM and Ops Manager attended Contractor Toolbox talk at 11.45 and EPM at 23:50. Information disseminated to remainder of Science Party.

10. Photo(s) of the day



All core barrels prior to on-deck curation for Hole M102C.
Photo by JodyWebster@ECORD_IODP.