

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

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

1. Location at 24:00

Position: 20°17.392'N, 155°39.059'W

Water Depth: ~ 412 m

2. Operations Report

Another full day of coring with several runs of full, or near full, penetration. Visual inspection of core in the bit provided confirmation of carbonate material at the base of many runs.

3. Science Report

N/A

4. Core Recovery Details

Hole	M102C
Cores recovered	N/A
Drilled length (Coring, m)	23.65
Drilled length (Open hole, m)	0.00
Recovered length (m)	N/A
Recovery (%)	N/A
Depth at midnight (mbsf)	66.42

5. Time Breakdown

00:00 – 24:00 Advancing the borehole by rotary coring from 42.77 mbsf to 66.42 mbsf at midnight.

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

In port	0.0
Transiting	0.0
Operating	24.0
Technical downtime	0.0
Weather downtime	0.0
Mobilisation	0.0

7. Weather

Partially cloudy with fair visibility. Wave heights of 0.4 – 0.7 m and swell 0.5 – 0.9 m; wind direction E to ESE at 12 – 14 kts, gusting 13 - 18 kts; Temperature 24 - 26°C.

8. Planned Activity for the next 24 hours

- Complete coring operations at M102C and transit to HIL-05A.

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



It's been a very good day of coring! From left to right: Jody Webster and Mary Mowat.
Photo by MarisaRydzy@ECORD_IODP.