

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

28th October 00:00 - 24:00 HST Hawaii Standard Time (UTC -10)



1. Location at 24:00

Position: 19° 47.580'N, 156° 06.3584'W
Water Depth: ~156 m

2. Operations Report

A day with the most operational downtime we have had for 3 weeks. The start of the day closed out repairs from yesterday followed by an unexpected repair to the fibre optic line carrying the telemetry for the corer. Successful deployment in the late afternoon allowed us to spud in and core to 6.91 mbsf by midnight.

3. Science Report

MSCL logging and lithological descriptions of M109A were complete.

4. Core Recovery Details

Hole	M109A	M110A
Cores recovered	12	N/A
Drilled length (Coring, m)	4.62	6.91
Drilled length (Open hole, m)	4.62	0.0
Recovered length (m)	4.21	N/A
Recovery (%)	91.13	N/A
Depth at midnight (mbsf)	N/A	6.91



5. Time Breakdown

00:00 – 01:32 Complete maintenance of seafloor corer.

01:32 – 04:30 Transit to KAW-03C offset 2

04:30 – 16:43 Deployment of corer resulting in loss of telemetry. Recovery to deck to troubleshoot and repair.

16:43 – 24:00 Deployment of seafloor corer, spud in and core to 6.91 mbsf on M110A

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

In port	0.0
Transiting	2.97
Operating	7.28
Downtime	13.75
Weather downtime	0.0
Mobilisation	0.0

7. Weather

Partially sunny with good visibility. Wave heights of 0.2 – 0.6 m and swell 0.2 - 0.7 m; wind direction E to SE at 7 – 12 kts, gusting 9 - 16 kts; Temperature 25 - 27°C.

8. Planned Activity for the next 24 hours

- Continue coring operations at KAW-03C offset 2.
- Transit and coring KAW-03C offset 1

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



Co-Chief Scientist Jody Webster (L) and Sedimentologist Yuri Hamon (R) taking an initial look at cores on deck. Photo by MarisaRydzy@ECORD_IODP.