

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

19th September 00:00 - 24:00 HST Hawaii Standard Time (UTC -10)



1. Location at 24:00

Position 20°02.2172 N, 156°03.9353 W

Water Depth: approximately 740 m

2. Operations Report

The seafloor corer was launched in the mid-afternoon following repairs. Unfortunately, during routine wet tests a further fault was discovered and the corer recovered to deck. An early evening launch was successful and the borehole M96E commenced by washing to 0.50 m above the depth of the previous attempt at this location. The borehole was abandoned in the late evening following a manifold error.



3. Science Report

A new blog post titled 'The magic of the first look' was uploaded to the expedition blog site at <https://expedition389.wordpress.com/>

4. Core Recovery Details

Hole	M96E
Cores recovered	N/A
Drilled length (Coring, m)	N/A
Drilled length (Open hole, m)	6.9
Recovered length (m)	N/A
Recovery (%)	N/A
Depth at midnight (mbsf)	N/A

5. Time Breakdown

00:00 – 19:00 Downtime – seabed corer

19:00 – 21:31 Seabed corer deployment to seafloor, Hole M96E

21:31 – 23:10 Wash bore M96E to 6.9 m

23:10 – 00:00 Abandon M96E. Fault on seabed corer + winch, prepare for recovery

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

In port	0.0
Transiting	0.0
Operating	4.2
Technical downtime	19.8
Weather downtime	0.0
Mobilisation	0.0

7. Weather

Mostly sunny, good visibility. Wave heights of 0.7 – 0.8 m and swell 0.6 – 0.7 m; wind direction E to SSE at 1 – 13 kts, gusting 8 - 17 kts; Temperature 25 - 26°C.

8. Planned Activity for the next 24 hours

- Seafloor corer maintenance and re-commence coring operations at KAW-06A.

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



ESO Assistant Lab Manager and Curator Patrizia Gepraegs transferring core samples cored in an aluminium liner to a plastic liner during on-deck core curation. Photo by MarleyParker@ECORD_IODP.