

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

30th September 00:00 - 24:00 HST Hawaii Standard Time (UTC -10)



1. Location at 24:00

Position: 20°08.2617'N, 156°04.7204'W

Water Depth: ~1000 m

2. Operations Report

Completed transit from port call and arrived on site in the early hours. Seafloor corer was deployed shortly after but following wet tests and video examination of landing site it was decided to recover the corer to deck for repairs. These were carried out quickly and a redeployment was carried out quickly and a successful launch and landing took place. Coring on site M100A commenced and 10.95 mbsf achieved by midnight.



3. Science Report

N/A

4. Core Recovery Details

Hole	M100A
Cores recovered	N/A
Drilled length (Coring, m)	10.95
Drilled length (Open hole, m)	N/A
Recovered length (m)	N/A
Recovery (%)	N/A
Depth at midnight (mbsf)	10.95



5. Time Breakdown

00:00 – 02:30 Arrive on site KAW-07Aa.
02:30 – 02:46 Dynamic positioning set up
02:46 - 06:25 Function testing of seafloor corer.
06:25 - 10:43 launch seafloor corer, examine landing site and recover.
10:43 – 11:35 Complete repairs
11:35 – 1300 Deployment at KAW-07Ab
13:00 – 24:00 Core on M100A to 10.95 mbsf

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

In port	0.0
Transiting	2.77
Operating	12.42
Technical downtime	8.81
Weather downtime	0.0
Mobilisation	0.0

7. Weather

Partly cloudy, good visibility. Wave heights of 1.0 – 2.8 m and swell 0.6 – 0.7 m; wind direction SW to NW at 12 – 27 kts, gusting 28 - 40 kts; Temperature 25 - 26°C.

8. Planned Activity for the next 24 hours

- Continue coring on site M100A.

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



Clockwise from top left. 1) Day shift ESO Staff celebrating MSP Site M100! From left to right: Marisa Rydzy, Alex Wuelbers, Graham Tulloch and Mary Mowat. Photo by LuzieSchnieders @ECORD_IODP. 2) The three members of ESO sailing on Expedition 389 who were also present for Site M0001 on Expedition 302. From left to right: Alex Wuelbers, Graham Tulloch and Luzie Schnieders. Photo by MarisaRydzy @ECORD_IODP. 3) Night shift ESO staff celebrating MSP Site M100! From left to right: Patrizia Gepraegs, Hannah Grant and Andrew McIntyre. Photo MaryMowat@ECORD_IODP.



Science Party members celebrating Site M100 during Expedition 389! From left to right: Nancy Prouty, Stephan Jorry, Pankaj Khanna, Kenna Rubin, Marc Humblet, Ana Prohaska, Brian Boston, Christina Ravelo, Jody Webster and Youri Hamon.