

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

22nd October 00:00 - 24:00 HST Hawaii Standard Time (UTC -10)



1. Location at 24:00

Position: 19°50.106'N, 156°05.5566'W

Water Depth: ~ 146 m

2. Operations Report

A tough day of coring with the borehole proving difficult with lost circulation at different levels and short runs. As with the day before, a significant part of the day was spent on borehole management, casing was set to 54.25 mbsf and coring continued to 59.67 mbsf at midnight.

3. Science Report

N/A

4. Core Recovery Details

| | |
|-------------------------------|-------|
| Hole | M99G |
| Cores recovered | N/A |
| Drilled length (Coring, m) | 6.45 |
| Drilled length (Open hole, m) | 0.0 |
| Recovered length (m) | N/A |
| Recovery (%) | N/A |
| Depth at midnight (mbsf) | 59.67 |

5. Time Breakdown

00:00 – 06:50 Advance borehole to 44.61 mbsf

06:50 – 16:55 Wash bore, set casing to 40.5 mbsf and clean the borehole.

16:55 – 24:00 Advance borehole to 53.22 mbsf

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

| | |
|------------------|------|
| In port | 0.0 |
| Transiting | 0.0 |
| Operating | 24.0 |
| Downtime | 0.0 |
| Weather downtime | 0.0 |
| Mobilisation | 0.0 |

7. Weather

Partially sunny, calm and good visibility. Wave heights of 0.1 – 0.3 m and swell 0.2 – 0.5 m; wind direction SW to WNW at 4 – 7 kts, gusting 5 - 10 kts; Temperature 24 - 25°C.

8. Planned Activity for the next 24 hours

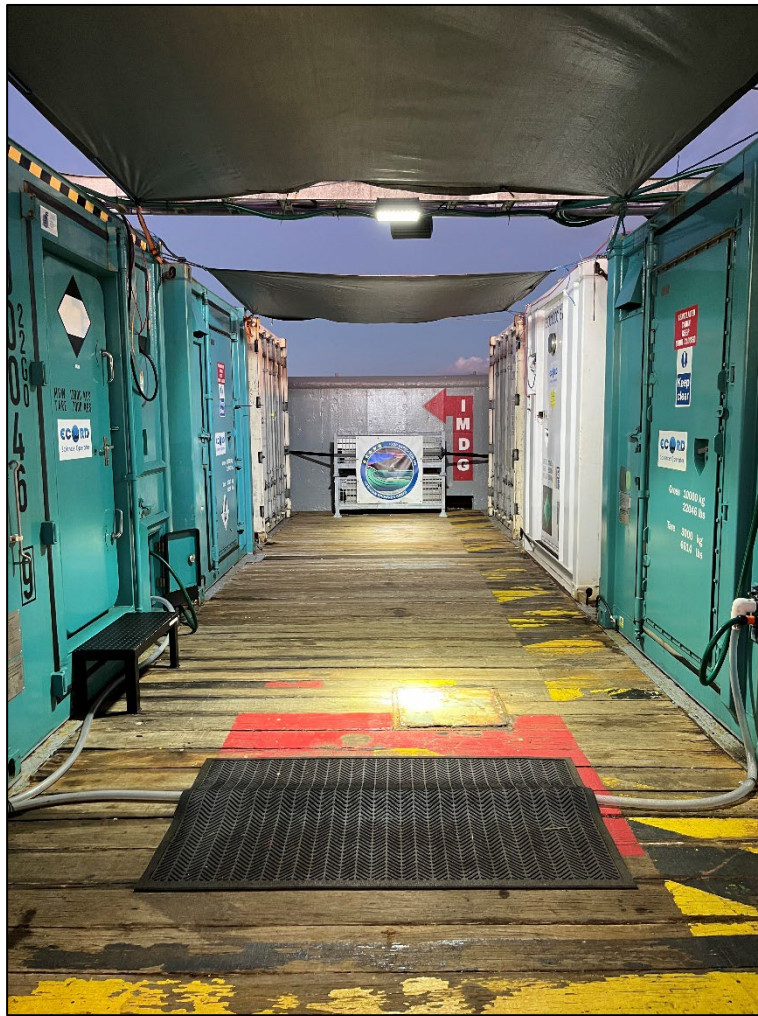
- Continue coring operations at M99G.

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.
- Weekly safety meeting for all personnel.



10. Photo(s) of the day



A quiet dawn on ESO Main Street with a continuous spell of coring in Hole M99G into a fourth day.
Photo by HannahGrant@ECORD_IODP.