

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

21<sup>st</sup> 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 borehole difficulties with lost circulation at multiple Levels within the hole. A large part of the morning was spent on borehole management, casing was set to 40.5 mbsf and coring was advanced to 53.22 mbsf at midnight.

### 3. Science Report

N/A

### 4. Core Recovery Details

Hole	M99G
Cores recovered	N/A
Drilled length (Coring, m)	16.03
Drilled length (Open hole, m)	0.0
Recovered length (m)	N/A
Recovery (%)	N/A
Depth at midnight (mbsf)	53.22



### 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 cloudy with rain showers, visibility poor at times. Wave heights of 0.6 – 0.7 m and swell 0.5 – 0.6 m; wind direction SW to NE at 1 – 5 kts, gusting 7 - 10 kts; Temperature 24 - 26°C.

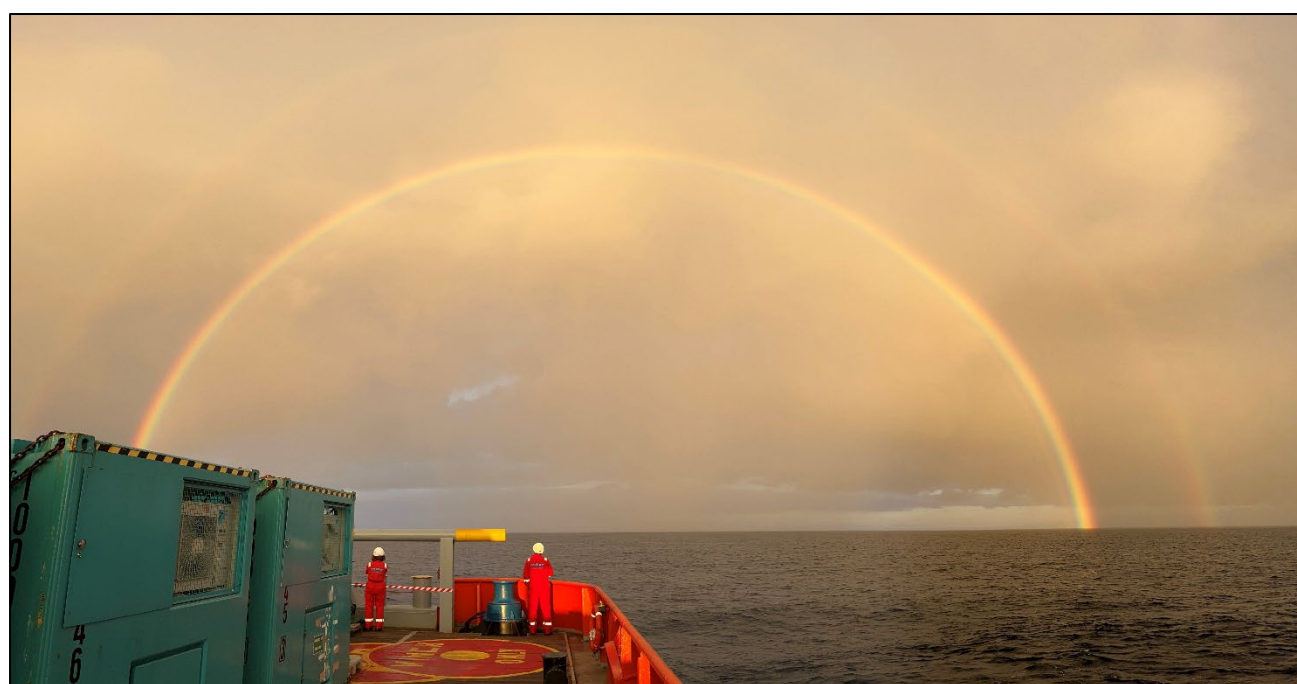
### 8. Planned Activity for the next 24 hours

- 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.

## 10. Photo(s) of the day



A complete double ānuenuē (rainbow) right after sunrise west of the island of Hawaii. As one of our science party members states, Hawaii has a lot of rainbows, but few are as spectacular as a complete double rainbow in front of the horizon. Top photo: [KennaRubin@ECORD\\_IODP](mailto:KennaRubin@ECORD_IODP), bottom photo [MarcHumblet@ECORD\\_IODP](mailto:MarcHumblet@ECORD_IODP).