

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

15<sup>th</sup> October 00:00 - 24:00 HST Hawaii Standard Time (UTC -10)



### 1. Location at 24:00

Position: 19°52.035'N, 154°58.328'W

Water Depth: ~ 347 m

### 2. Operations Report

A full 24 hours coring on borehole M104A. There was good penetration from the mudline which is unusual on this Expedition 389. By midnight, 22.58 m had been advanced with 29.25 m of casing set.

### 3. Science Report

Lithological descriptions were completed for Hole M103A.

### 4. Core Recovery Details

Hole	M104A
Cores recovered	N/A
Drilled length (Coring, m)	22.58
Drilled length (Open hole, m)	N/A
Recovered length (m)	N/A
Recovery (%)	N/A
Depth at midnight (mbsf)	43.64



### 5. Time Breakdown

00:00 – 24:00 Advancing M104A by rotary coring, setting casing where and when necessary.

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

In port	0.0
Transiting	0.0
Operating	24.0
Technical downtime	0.0
Weather downtime	0.0
Mobilisation	0.0

### 7. Weather

Partially sunny. Wave heights of 0.1 – 0.2 m and swell 0.9 – 1.4 m; wind direction ENE to S at 4 – 7 kts, gusting 4 - 9 kts; Temperature 24 - 25°C.

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

- Continue coring operations at M104A.
- Transit to location HIL-03A.

### 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 attended by science party and ESO personnel.

10. Photo(s) of the day



A good view of [Mauna Kea](#) for Coral Specialist Marc Humblet.  
Photo by MarisaRydz@ECORD\_IODP.