

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

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



### 1. Location at 24:00

Position: 19°.57.187'N, 156°04.5939'W

Water Depth: ~700 m

### 2. Operations Report

Today signalled the end of the coring phase of the expedition. Borehole M97D was cored to a depth of 23.69 mbsf when we ran out of time to progress any further. The casing was extracted from the borehole and the seafloor corer recovered to the deck. The corer was tied down, removal of the core barrels commenced and the ship underway well before midnight, our deadline for operations.



### 3. Science Report

MSCL logging and lithological descriptions of M110B were completed.

On deck curation of M97D was underway.

### 4. Core Recovery Details

Hole	M110B	M97D
Cores recovered	13	N/A
Drilled length (Coring, m)	17.22	23.66
Drilled length (Open hole, m)	0.0	0.03
Recovered length (m)	12.9	N/A
Recovery (%)	74.91	N/A
Depth at midnight (mbsf)	N/A	N/A

### 5. Time Breakdown

00:00 – 21:33 Advance borehole M97D to 23.69 mbsf before terminating to allow removal of casing and recovery of the corer before our midnight deadline.

21:33 – 22:43 Recover casing and seafloor corer to the deck.

22:43 – 23:45 Deck operations including core barrel removal and sea fastening corer

23:45 – 24:00 Transit to Barbers Point Pilot Station.

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

In port	0.0
Transiting	0.0
Operating	23.75
Downtime	0.0
Weather downtime	0.0
Demobilisation	0.25

### 7. Weather

Partially sunny to cloudy with good visibility. Wave heights of 0.1 – 0.6 m and swell 0.2 - 0.7 m; wind direction variable at 3 – 13 kts, gusting 4 - 12 kts; Temperature 25 - 27°C.

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

- Transit to Barbers Point pilot station

### 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**



The Exp. 389 offshore participants minus an EPM (sleeping) and colleagues from the first leg.  
Photo MMAValourBridge@ECORD\_IODP.