

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

23th September 00:00 - 24:00 HST Hawaii Standard Time (UTC -10)



1. Location at 24:00

Position 19°50.0618'N, 156°05.4737'W

Water Depth: approximately 130 m

2. Operations Report

Coring progressed steadily from yesterday with runs of between 1 and two hours long until another water ingress to a manifold became obvious. Unfortunately this required a recovery to deck as it could have resulted in an equipment failure on the sea bed. Recovery to deck was completed and the coring team removed 27 core barrels from the corer and the extraction process was started. By midnight 14 cores had been partially curated.

3. Science Report

On deck extraction and curation of cores from Hole M99C was ongoing at midnight.

Science Party member Pankaj Khanna from IIT Gandhinagar gave an outreach webinar about Expedition 389 to approximately 60 students. Participants were primarily from three institutes in India: IIT Gandhinagar, KJ Soumya (Mumbai) and AMU (Aligarh). The webinar also included a live tour of the back deck ESO containers and inside the MMA Valour.



4. Core Recovery Details

Hole	M99C
Cores recovered	N/A
Drilled length (Coring, m)	18.64
Drilled length (Open hole, m)	N/A
Recovered length (m)	N/A
Recovery (%)	N/A
Depth at midnight (mbsf)	0.00

5. Time Breakdown

00:00 – 17:25 (continued) coring operations at M99C.

17:25 – 17:45 Recover seafloor corer to deck.

17:45 – 24:00 Extract cores from seafloor corer and commence curation. Seafloor corer maintenance.

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

In port	0.0
Transiting	0.0
Operating	17.42
Technical downtime	6.58
Weather downtime	0.0
Mobilisation	0.0

7. Weather

Partially cloudy, reasonable visibility. Wave heights of 0.8 – 0.9 m and swell 0.5 – 0.6 m; wind direction W to NNW at 3 – 8 kts, gusting 9 - 13 kts; Temperature 25 - 26°C.

8. Planned Activity for the next 24 hours

- Resume coring operations at KAW-02C.

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.
- Weekly safety meeting at 11:00 for oncoming day shift and 13:00 for the night shift.

10. Photo(s) of the day



Sedimentologist Youri Hamon transcribing an initial on-deck visual description of core from Hole M99C. Photo by MarleyParker@ECORD_IODP.