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

20th September 00:00 - 24:00 HST Hawaii Standard Time (UTC -10)

1. Location at 24:00
Position 19°50.0919 N, 156°05.4486 W
Water Depth: approximately 130 m

2. Operations Report
Abandoned Hole M96F, recovered seabed corer for maintenance.
Moved to Site M99 (KAW-02C) and started drilling M99A.

3. Science Report
Core curation and MSCL measurements completed for Hole M96F.

4. Core Recovery Details

Hole	M96F
Cores recovered	5
Drilled length (Coring, m)	6.72
Drilled length (Open hole, m)	5.52
Recovered length (m)	4.75
Recovery (%)	86.23
Depth at midnight (mbsf)	N/A

5. Time Breakdown
00:00 – 00:45 (continued) Fault on seabed corer + winch, lifted to 10 m above seabed prepare for recovery
00:45 – 01:20 Start seabed corer recovery and recovery of M96F core to deck.
01:20 – 04:15 Downtime
04:15 – 06:05 Seabed corer deployment to seafloor, begin Hole M96F
06:05 – 11:35 Wash bore from 0.0 m to 6.7 m
11:35 – 19:20 Advance M96F by rotary coring and casing to 12.2 m
19:20 – 20.10 Recover seabed corer due to drill head valve fault
20:10 – 21:40 Downtime
21:40 – 23:05 Transit to Site KAW-02C
23:05 – 00:00 Downtime

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

In port	0.0
Transiting	1.4
Operating	11.1
Technical downtime	11.5
Weather downtime	0.0
Mobilisation	0.0

7. Weather
Partially cloudy, good visibility. Wave heights of 1.3 – 2.0 m and swell 0.3 – 0.6 m; wind direction SE to S at 7– 19 kts, gusting to 25 kts; Temperature 24 - 26°C.

8. Planned Activity for the next 24 hours
- Commence drilling 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.

10. Photo(s) of the day

Coral Specialist Marc Humblet (L) and Sedimentologist Pankaj Khanna (R) examining new core on deck. This core was recovered in an aluminum liner and after an initial description by the science team, the core is transferred by the ESO curator to a polycarbonate liner. Photo by ELB@ECORD_IODP.