

PROD POSITIONING REPORT

Revision 0 Approved by Sahril Husin
Date 5/10/2023

Project Details

Position Fix Date	5/10/2023	Project	IODP Exp. 389: Hawaiian Drowned Reefs
Vessel	MMA Valour	MMA Project ID	13415
Client	Benthic USA LLC	Location ID	KOH-02Ab

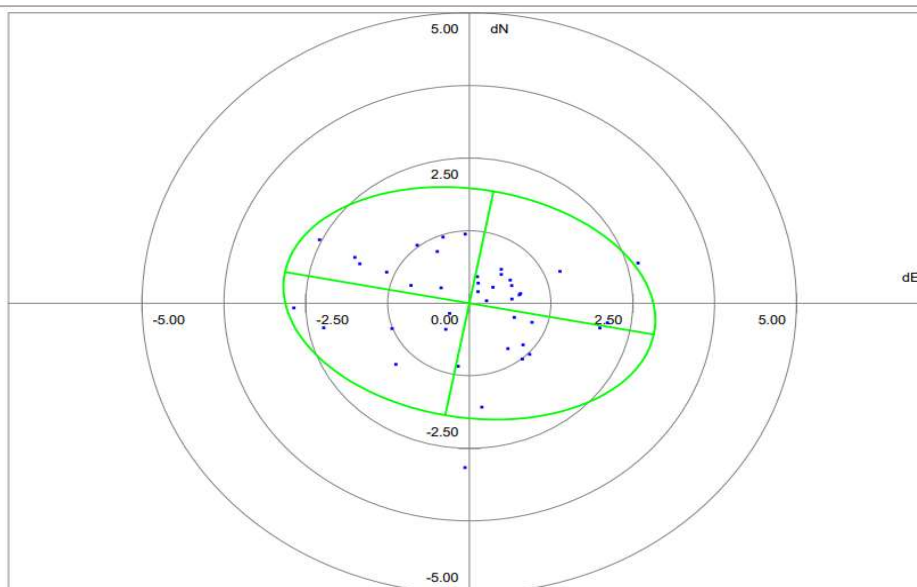
Geodetic Parameters

Datum	World Geodetic System 1984 (WGS84)	Projection	UTM Zone 5N
Spheroid	WGS84	Latitude of Origin	0°
Semi Major Axis	6378137 m	Longitude of Origin	153°W (-153°)
1/f	298.2572236	False Easting	500 000m
Units	Meter	False Northing	0m
		Scale Factor	0.9996

Position Summary

Proposed Position (P)		Surveyed Position (S)	
Latitude	20°16' 25.19013" N	Latitude	20°16' 25.588" N
Longitude	155°29' 23.72633" W	Longitude	155°29' 23.369" W
Easting (m)	239931.380	Easting (m)	239941.940 SD 1.16
Northing (m)	2243724.370	Northing (m)	2243736.440 SD 0.82
Water Depth (MSL) (m)	934.0	Water Depth (MSL) (m)	930.700 ± 0.66
		Water Depth (LAT) (m)	930.300 ± 0.66
Difference (From Proposed to Surveyed)		Range (m)	16.037
Easting (m)	10.560	Grid bearing	317.920
Northing (m)	12.070		
Water Depth (m)	-3.300		

Scatter Plot of PROD Fixes



Observational Summary

No of Position Processed	41	Start Logging (Local)	7:06:56
No of Position Accepted	41	End Logging (Local)	7:10:36
Percentage of Accepted	100%	Logging Duration	0:03:40

Comments

Position acquired at 1 USBL update intervals. Depth from SVX2 pressure sensor. Location aborted due to proximity to live coral.