

## PROD POSITIONING REPORT

Revision 0 Approved by Sahril Husin  
Date 19/10/2023

### Project Details

Position Fix Date	19/10/2023	Project	IODP Exp. 389: Hawaiian Drowned Reefs
Vessel	MMA Valour	MMA Project ID	13415
Client	Benthic USA LLC	Location ID	KAW-02Cg

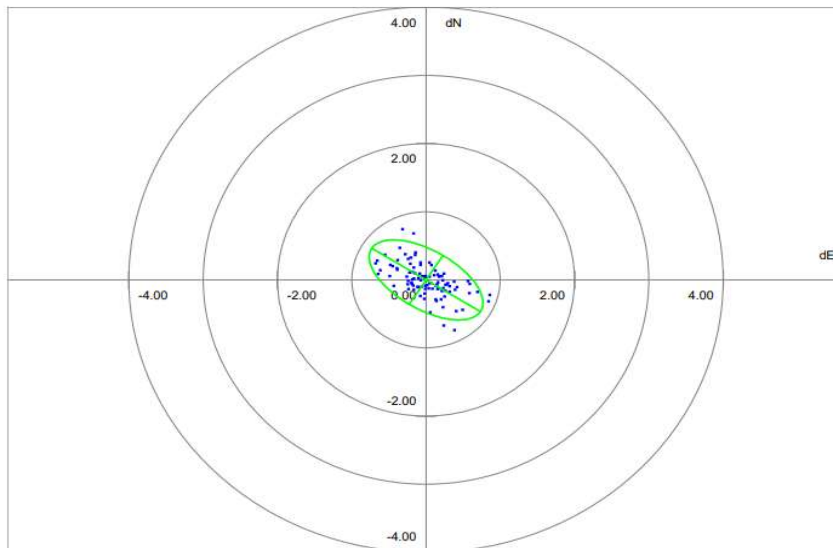
### Geodetic Parameters

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)	KAW-02Ce	Surveyed Position (S)	
Latitude	19° 50' 06.864" N	Latitude	19° 50' 07.062" N
Longitude	156° 05' 32.787" W	Longitude	156° 05' 32.883" W
Easting (m)	176057.40	Easting (m)	176054.72 SD 0.31
Northing (m)	2196217.51	Northing (m)	2196223.66 SD 0.24
Water Depth (MSL) (m)	144.6	Water Depth (MSL) (m)	146.3 ± 0.66
		Water Depth (LAT) (m)	145.7 ± 0.66
Difference (From Proposed to Surveyed)			
Easting (m)	-2.680	Range (m)	6.71
Northing (m)	6.150	Grid bearing °	336.45
Water Depth (m)	1.700		

Scatter Plot of PROD Fixes



### Observational Summary

No of Position Processed	100	Start Logging (Local)	19:42:54
No of Position Accepted	100	End Logging (Local)	19:44:37
Percentage of Accepted	100%	Logging Duration	0:01:43

### Comments

Position acquired at 1 USBL update intervals. Depth from SVX2 pressure sensor.

MMA Surveyor

W.Smith/M.Long

Benthic Rep

Barbara Azevedo