

PROD POSITIONING REPORT

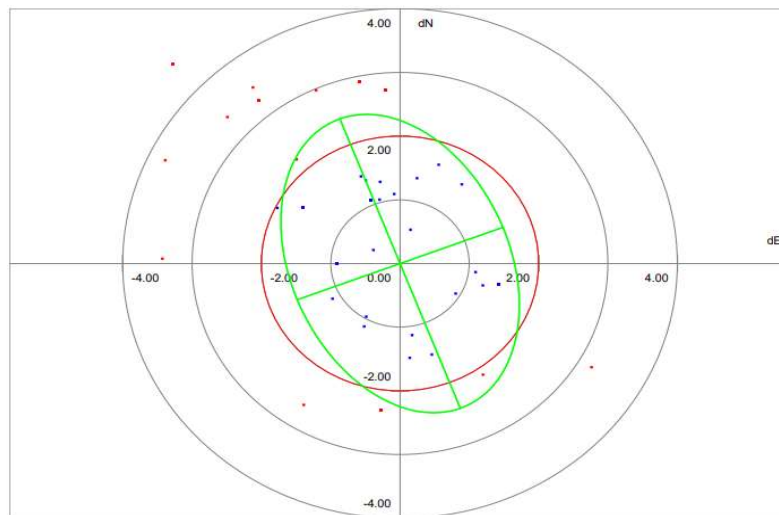
Revision 0 Approved by Sahril Husin
 Date 24/10/2023

Project Details			
Position Fix Date	24/10/2023	Project	IODP Exp. 389: Hawaiian Drowned Reefs
Vessel	MMA Valour	MMA Project ID	13415
Client	Benthic USA LLC	Location ID	MAH-02Bb

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)	MAH-02B	Surveyed Position (S)	
Latitude	20° 02' 54.1824" N	Latitude	20° 02' 54.044" N
Longitude	156° 11' 31.7472" W	Longitude	156° 11' 31.657" W
Easting (m)	166053.29	Easting (m)	166055.83 SD 0.70
Northing (m)	2220026.89	Northing (m)	2220022.58 SD 0.96
Water Depth (MSL) (m)	1168.5	Water Depth (MSL) (m)	1177.2 ± 0.66
		Water Depth (LAT) (m)	1176.6 ± 0.66
Difference (From Proposed to Surveyed)			
Easting (m)	2.540	Range (m)	5.00
Northing (m)	-4.310	Grid bearing °	149.49
Water Depth (m)	8.700		

Scatter Plot of PROD Fixes



Observational Summary			
No of Position Processed	100	Start Logging (Local)	19:04:27
No of Position Accepted	73	End Logging (Local)	19:08:20
Percentage of Accepted	73%	Logging Duration	0:03:53

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

MMA Surveyor W.Smith/M.Long Benthic Rep Barbara Azevedo