

PROD POSITIONING REPORT

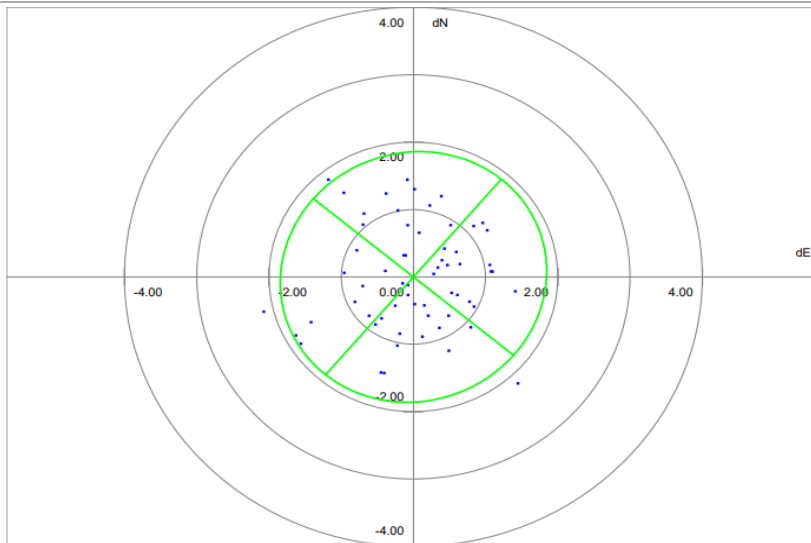
Revision 3 Approved by Sahril Hasin
 Date 9/09/2023

Project Details			
Position Fix Date	5/09/2023	Project	IODP Exp. 389: Hawaiian Drowned Reefs
Vessel	MMA Valour	MMA Project ID	13415
Client	Benthic USA LLC	Location ID	KAW-06Ab

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;02;11.101N	Latitude	20;02;10.996N
Longitude	156;03;56.506W	Longitude	156;03;56.592 W
Easting (m)	179268.070	Easting (m)	179265.510 SD 0.75
Northing (m)	2218453.058	Northing (m)	2218449.870 SD 0.76
Water Depth (MSL) (m)	737.0	Water Depth (MSL) (m)	740.8 ± 0.66
		Water Depth (LAT) (m)	740.2 ± 0.66
Difference (From Proposed to Surveyed)			
Easting (m)	-2.560	Range (m)	4.089
Northing (m)	-3.188	Grid bearing	218°
Water Depth (m)	3.800		

Scatter Plot of PROD Fixes



Observational Summary			
No of Position Processed	62	Start Logging (Local)	14:15:35 PM
No of Position Accepted	62	End Logging (Local)	14:16:36 PM
Percentage of Accepted	100%	Logging Duration	0:00:55

Comments
 Position acquired at 1 sec interval.