

# PROD POSITIONING REPORT

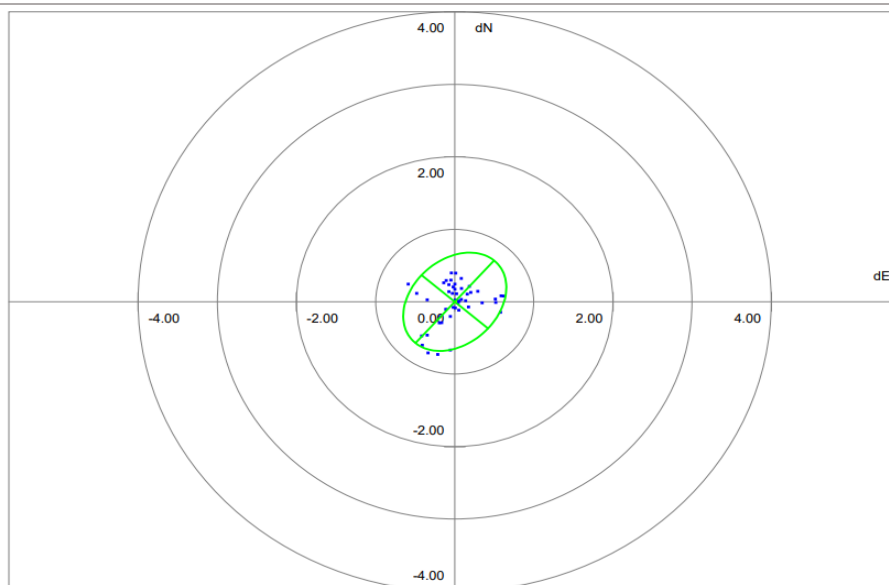
Revision 0 Approved by Sahril Husin  
Date 24/10/2023

Project Details			
Position Fix Date	23/10/2023	Project	IODP Exp. 389: Hawaiian
Vessel	MMA Valour	MMA Project ID	13415
Client	Benthic USA LLC	Location ID	KAW-04Cc

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-04C	Surveyed Position (S)	
Latitude	19° 56' 24.6046" N	Latitude	19° 56' 24.559" N
Longitude	156° 03' 30.2112" W	Longitude	156° 03' 29.316" W
Easting (m)	179838.03	Easting (m)	179864.05 SD 0.27
Northing (m)	2207776.42	Northing (m)	2207774.54 SD 0.28
Water Depth (MSL) (m)	405.0	*PROD Base Plate Depth (MSL) (m)	401.1 ± 1.64
		*PROD Base Plate Depth (LAT) (m)	400.6 ± 1.64
Difference (From Proposed to Surveyed)			
Easting (m)	26.020	Range (m)	26.09
Northing (m)	-1.880	Grid bearing °	94.13
Water Depth (m)	-3.900		

Scatter Plot of PROD Fixes



Observational Summary			
No of Position Processed	50	Start Logging (Local)	22:58:06
No of Position Accepted	50	End Logging (Local)	22:58:55
Percentage of Accepted	100%	Logging Duration	0:00:49

**Comments**  
Position acquired at 1 USBL update intervals. Depth from SVX2 pressure sensor. \*PROD approximately 5 m above seabed during fix and not stable.