

SLAM Orientation Accuracy Report

Project Overview:

Project Name:	Cappella_10
Device Name:	X70GO
Base Ellipsoid:	WGS 84
Coordinate System:	UTM zone 32N
Orientation Type:	Non-rigid orientation
Orientation Data Source:	GCP orientation

PointCloud Overview Map:



Relative Accuracy:

No.	Distance in Real World		Distance on Map		Distance Diff
1	CG100->CG101:	7.155	GC100->CG101:	7.180	-0.025
2	CG100->M010:	4.020	GC100->M010:	4.029	-0.009
3	CG100->M012:	13.201	GC100->M012:	13.218	-0.017
4	CG101->M010:	5.562	CG101->M010:	5.588	-0.026
5	CG101->M012:	19.812	CG101->M012:	19.849	-0.037
6	M010->M012:	14.741	M010->M012:	14.747	-0.006
Mean Distance Error		0.020			
Distance RMSE		0.023			

Ground Control Point Accuracy:

Control Point(m)				Measurement Coordinates(m)			Residual Error(m)			
GCP Name	East X	North Y	Up Z	Measure x	Measure y	Measure z	DX	DY	DX Y	DZ
CG100	442807.695	4993806.455	424.914	442807.694	4993806.436	424.924	0.001	0.018	0.018	-0.010
CG101	442802.351	4993811.198	424.537	442802.336	4993811.201	424.545	0.016	-0.003	0.016	-0.008
M010	442807.844	4993810.403	424.171	442807.851	4993810.391	424.167	-0.007	0.012	0.015	0.004
M012	442819.563	4993801.929	421.317	442819.581	4993801.918	421.319	-0.018	0.011	0.021	-0.002
Mean Error							-0.002	0.010	0.018	-0.004
RMSE							0.013	0.013	0.018	0.007