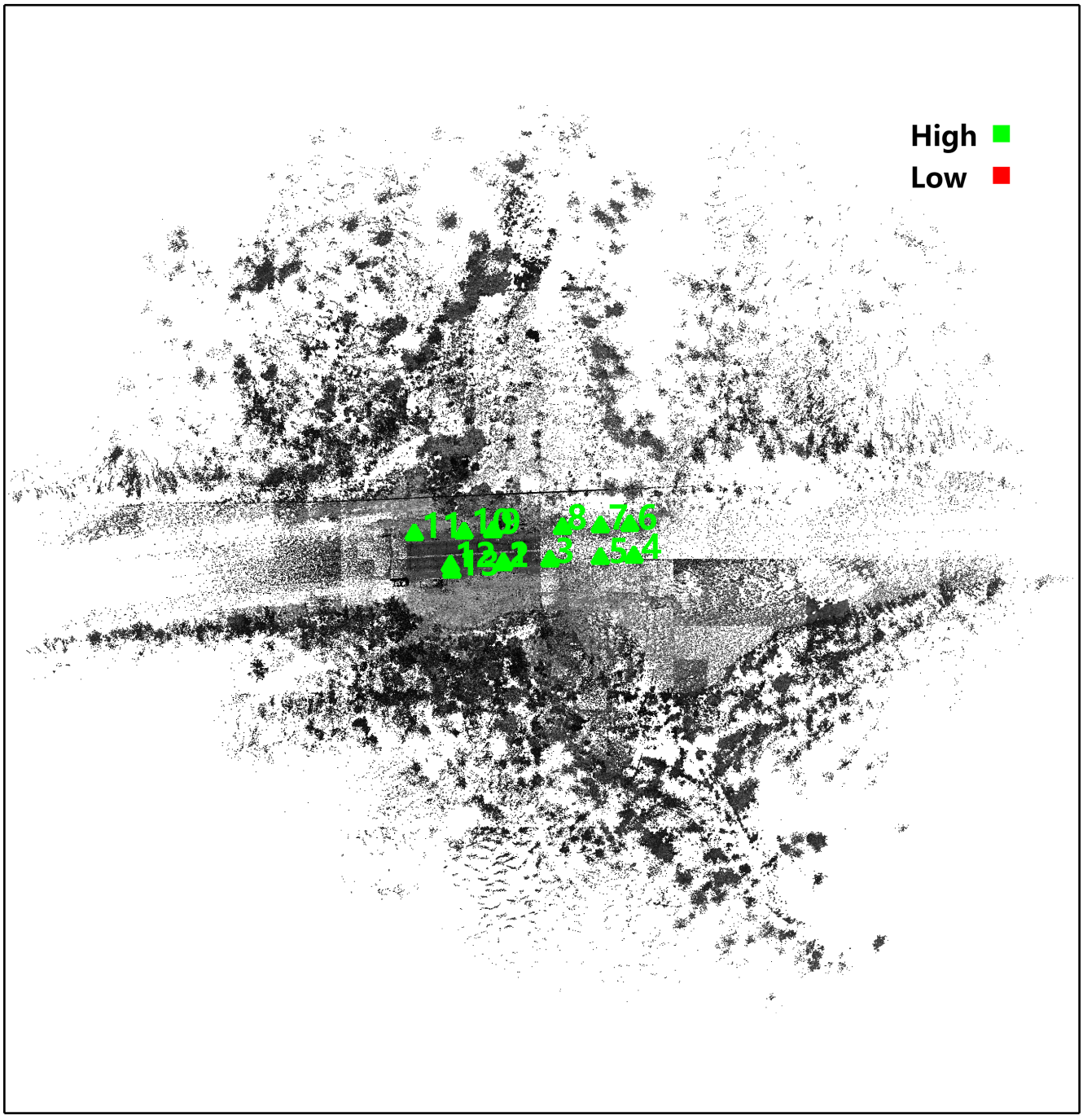
SLAM Orientation Accuracy Report

Project Overview:

Project Name:	GoodLow-MOTI-Culvert
Device Name:	SLAM200E
Base Ellipsoid:	
Coordinate System:	Local coordinate system
Orientation Type:	Non-rigid orientation
Orientation Data Source:	RTK + GCP orientation
Acquisition Time:	21.8128 minutes

PointCloud Overview Map:



Relative Accuracy:

No.	Distance in Real World		Distance on Map		Distance Diff
1	1->2:	0.698	P1->P2:	0.674	0.024
2	1->3:	11.386	P1->P3:	11.423	-0.037
3	1->4:	31.677	P1->P4:	31.715	-0.038
4	1->5:	23.564	P1->P5:	23.623	-0.059
5	1->6:	32.050	P1->P6:	32.089	-0.039
6	1->7:	25.224	P1->P7:	25.276	-0.052
7	1->8:	16.794	P1->P8:	16.841	-0.047
8	1->9:	8.295	P1->P9:	8.300	-0.005
9	1->10:	12.166	P1->P10:	12.143	0.023
10	1->11:	22.690	P1->P11:	22.658	0.032
11	1->12:	12.755	P1->P12:	12.706	0.049
12	1->13:	12.536	P1->P13:	12.488	0.048
13	2->3:	11.286	P2->P3:	11.299	-0.013
14	2->4:	31.610	P2->P4:	31.622	-0.012
15	2->5:	23.490	P2->P5:	23.524	-0.034
16	2->6:	31.908	P2->P6:	31.918	-0.010
17	2->7:	25.057	P2->P7:	25.080	-0.023
18	2->8:	16.572	P2->P8:	16.591	-0.019
19	2->9:	7.983	P2->P9:	7.984	-0.001
20	2->10:	11.998	P2->P10:	11.989	0.009
21	2->11:	22.641	P2->P11:	22.630	0.011
22	2->12:	12.817	P2->P12:	12.797	0.020
23	2->13:	12.630	P2->P13:	12.611	0.019
24	3->4:	20.332	P3->P4:	20.330	0.002
25	3->5:	12.209	P3->P5:	12.230	-0.021
26	3->6:	21.101	P3->P6:	21.090	0.011
27	3->7:	14.684	P3->P7:	14.684	0.000
28	3->8:	8.323	P3->P8:	8.308	0.015
29	3->9:	15.482	P3->P9:	15.480	0.002
30	3->10:	21.835	P3->P10:	21.826	0.009
31	3->11:	33.423	P3->P11:	33.419	0.004
32	3->12:	24.103	P3->P12:	24.095	0.008
33	3->13:	23.880	P3->P13:	23.876	0.004
34	4->5:	8.123	P4->P5:	8.102	0.021
35	4->6:	7.658	P4->P6:	7.627	0.031
36	4->7:	10.896	P4->P7:	10.879	0.017

37	4->8:	18.581	P4->P8:	18.566	0.015
38	4->9:	34.675	P4->P9:	34.678	-0.003
39	4->10:	41.492	P4->P10:	41.486	0.006
40	4->11:	53.393	P4->P11:	53.390	0.003
41	4->12:	44.422	P4->P12:	44.413	0.009
42	4->13:	44.175	P4->P13:	44.169	0.006
43	5->6:	10.690	P5->P6:	10.676	0.014
44	5->7:	7.656	P5->P7:	7.672	-0.016
45	5->8:	11.669	P5->P8:	11.687	-0.018
46	5->9:	26.814	P5->P9:	26.846	-0.032
47	5->10:	33.549	P5->P10:	33.570	-0.021
48	5->11:	45.383	P5->P11:	45.405	-0.022
49	5->12:	36.304	P5->P12:	36.317	-0.013
50	5->13:	36.063	P5->P13:	36.077	-0.014
51	6->7:	7.125	P6->P7:	7.116	0.009
52	6->8:	16.295	P6->P8:	16.288	0.007
53	6->9:	33.187	P6->P9:	33.196	-0.009
54	6->10:	40.132	P6->P10:	40.131	0.001
55	6->11:	52.169	P6->P11:	52.170	-0.001
56	6->12:	44.458	P6->P12:	44.448	0.010
57	6->13:	44.464	P6->P13:	44.456	0.008
58	7->8:	9.170	P7->P8:	9.172	-0.002
59	7->9:	26.064	P7->P9:	26.082	-0.018
60	7->10:	33.011	P7->P10:	33.018	-0.007
61	7->11:	45.049	P7->P11:	45.059	-0.010
62	7->12:	37.469	P7->P12:	37.471	-0.002
63	7->13:	37.527	P7->P13:	37.532	-0.005
64	8->9:	16.895	P8->P9:	16.912	-0.017
65	8->10:	23.843	P8->P10:	23.849	-0.006
66	8->11:	35.883	P8->P11:	35.890	-0.007
67	8->12:	28.563	P8->P12:	28.562	0.001
68	8->13:	28.726	P8->P13:	28.727	-0.001
69	9->10:	6.949	P9->P10:	6.938	0.011
70	9->11:	18.990	P9->P11:	18.981	0.009
71	9->12:	13.111	P9->P12:	13.096	0.015
72	9->13:	13.800	P9->P13:	13.788	0.012
73	10->11:	12.041	P10->P11:	12.044	-0.003
74	10->12:	8.604	P10->P12:	8.598	0.006

75	10->13:	9.830	P10->P13:	9.826	0.004
76	11->12:	11.578	P11->P12:	11.581	-0.003
77	11->13:	12.800	P11->P13:	12.802	-0.002
78	12->13:	1.471	P12->P13:	1.472	-0.001
Mean Distance Error		0.015			
Distance RMSE		0.020			

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	DXY	DZ
1	673825.912	6246769.899	665.725	673825.868	6246769.876	665.667	0.044	0.023	0.050	0.058
2	673825.938	6246770.230	665.111	673825.921	6246770.223	665.092	0.017	0.007	0.018	0.019
3	673837.189	6246770.862	664.485	673837.185	6246770.876	664.488	0.004	-0.014	0.014	-0.003
4	673857.499	6246771.774	664.258	673857.494	6246771.783	664.255	0.005	-0.009	0.011	0.003
5	673849.385	6246771.388	664.283	673849.403	6246771.369	664.279	-0.018	0.019	0.026	0.004
6	673856.500	6246779.366	664.332	673856.499	6246779.345	664.336	0.001	0.021	0.021	-0.004
7	673849.383	6246779.043	664.398	673849.390	6246779.040	664.396	-0.007	0.003	0.007	0.002
8	673840.225	6246778.611	664.592	673840.230	6246778.605	664.592	-0.005	0.006	0.008	-0.000
9	673823.366	6246777.784	665.326	673823.355	6246777.779	665.322	0.011	0.005	0.012	0.004
10	673816.435	6246777.527	665.750	673816.434	6246777.523	665.748	0.001	0.004	0.004	0.002
11	673804.424	6246777.142	666.514	673804.421	6246777.139	666.513	0.003	0.003	0.004	0.001
12	673813.163	6246769.571	665.915	673813.167	6246769.571	665.911	-0.004	-0.000	0.004	0.004
13	673813.499	6246768.146	665.770	673813.501	6246768.145	665.768	-0.002	0.001	0.002	0.002
Mean Error							0.004	0.005	0.014	0.007
RMSE							0.015	0.012	0.019	0.017