

Registration Report

Project	Gloucester
Cluster	Scans
Recording Period	1/1/2002, 12:24:57 AM - 7/14/2017, 5:02:45 PM
Location	
Report Date	8/2/2021, 3:42:03 PM

Color Coding

Point Error	 < 8 mm	 > 20 mm
Overlap	 > 25.0 %	 < 10.0 %

Overview

Scan Point Statistics

Maximum Point Error	8.6 mm
Mean Point Error	2.0 mm
Minimum Overlap	9.9 %

Scan Errors

Scan Point Statistics

Cluster/Scan	Connections	Max. Point Error [mm]	Mean Point Error [mm]	Min. Overlap
Tewk042	4	6.1	3.6	13.1 %
Tewk043	4	3.2	2.2	18.3 %
Tewk044	6	5.7	4.4	37.4 %
Tewk045	5	4.2	3.6	16.8 %
Tewk046	5	6.3	4.1	24.6 %
Tewk083	5	1.8	1.1	34.1 %
Tewk084	4	1.3	0.9	41.2 %
Tewk085	5	2.1	1.1	18.3 %
Tewk086	4	1.1	0.9	34.5 %
Tewk087	5	1.8	1.4	14.3 %
Tewk063	5	4.3	3.1	11.3 %
Tewk064	5	6.1	2.8	13.1 %
Tewk065	5	3.1	1.8	18.6 %
Tewk079	5	3.6	1.7	16.8 %
Tewk080	4	1.5	1.2	19.9 %
Tewk081	5	6.3	3.7	14.3 %
Tewk047	6	3.2	2.0	33.0 %
Tewk048	7	2.3	1.9	37.8 %
Tewk049	4	2.1	1.7	48.2 %
Tewk050	4	2.8	1.7	50.0 %
Tewk051	4	3.1	2.0	49.8 %
Tewk052	5	2.9	2.2	33.0 %
Tewk053	5	2.5	1.8	35.7 %
Tewk054	13	3.2	2.3	20.3 %
Tewk055	5	2.2	1.9	41.7 %
Tewk056	6	2.9	2.0	32.9 %
Tewk057	7	2.5	1.9	26.2 %
Tewk058	5	3.0	1.8	36.9 %
Tewk059	6	2.5	2.0	20.3 %
Tewk060	6	3.0	1.9	9.9 %
Tewk061	4	2.6	2.3	40.1 %
Tewk062	5	2.5	2.2	24.2 %
Tewk095	5	3.1	1.8	9.9 %
Tewk096	5	3.6	2.0	24.1 %
Tewk094	7	8.6	2.9	10.0 %
Tewk089	1	1.8	1.8	33.5 %
Tewk090	7	5.8	2.6	33.5 %
Tewk091	6	3.6	2.5	30.1 %
Tewk092	4	3.0	2.0	44.9 %

Tewk093	4	8.6	4.8	32.5 %
Tewk066	3	3.1	1.6	11.3 %
Tewk067	3	0.8	0.7	22.8 %
Tewk068	2	0.7	0.7	13.4 %
Tewk069	3	1.0	0.9	19.2 %
Tewk070	3	0.8	0.7	19.2 %
Tewk071	2	0.7	0.7	66.7 %
Tewk072	3	0.8	0.7	31.4 %
Tewk073	4	1.3	0.9	31.4 %
Tewk074	4	0.8	0.7	13.4 %
Tewk075	3	1.0	0.8	45.4 %
Tewk076	5	1.3	0.8	20.7 %
Tewk077	2	0.6	0.6	28.2 %
Tewk078	2	0.6	0.6	20.7 %

Detailed Errors

Scan Point Statistics

Cluster/Scan 1	Cluster/Scan 2	Point Error [mm]	Overlap
Tewk042	Tewk044	4.1	37.8 %
Tewk042	Tewk044	4.1	37.8 %
Tewk042	Tewk062	2.4	24.2 %
Tewk042	Tewk062	2.4	24.2 %
Tewk042	Tewk064	6.1	13.1 %
Tewk042	Tewk064	6.1	13.1 %
Tewk043	Tewk060	2.7	45.8 %
Tewk043	Tewk060	2.7	45.8 %
Tewk043	Tewk044	3.2	41.0 %
Tewk043	Tewk044	3.2	41.0 %
Tewk043	Tewk085	2.1	18.3 %
Tewk043	Tewk085	2.1	18.3 %
Tewk045	Tewk044	3.6	71.5 %
Tewk045	Tewk044	3.6	71.5 %
Tewk045	Tewk046	4.2	77.7 %
Tewk045	Tewk046	4.2	77.7 %
Tewk045	Tewk081	3.5	49.2 %
Tewk045	Tewk081	3.5	49.2 %
Tewk045	Tewk079	3.6	16.8 %
Tewk045	Tewk079	3.6	16.8 %
Tewk046	Tewk044	5.4	55.4 %
Tewk046	Tewk044	5.4	55.4 %
Tewk046	Tewk081	6.3	62.9 %
Tewk046	Tewk081	6.3	62.9 %
Tewk046	Tewk079	1.7	29.1 %
Tewk046	Tewk079	1.7	29.1 %
Tewk083	Tewk043	0.9	44.1 %
Tewk083	Tewk043	0.9	44.1 %
Tewk083	Tewk085	0.6	37.0 %
Tewk083	Tewk085	0.6	37.0 %
Tewk083	Tewk084	0.9	41.2 %
Tewk083	Tewk084	0.9	41.2 %
Tewk083	Tewk086	1.1	34.5 %
Tewk083	Tewk086	1.1	34.5 %
Tewk083	Tewk087	1.8	34.1 %
Tewk083	Tewk087	1.8	34.1 %
Tewk084	Tewk085	0.6	69.3 %
Tewk084	Tewk085	0.6	69.3 %
Tewk086	Tewk084	0.8	73.4 %

Tewk086	Tewk084	0.8	73.4 %
Tewk086	Tewk085	0.8	68.7 %
Tewk086	Tewk085	0.8	68.7 %
Tewk087	Tewk084	1.3	58.0 %
Tewk087	Tewk084	1.3	58.0 %
Tewk087	Tewk085	1.4	46.8 %
Tewk087	Tewk085	1.4	46.8 %
Tewk087	Tewk086	0.8	68.9 %
Tewk087	Tewk086	0.8	68.9 %
Tewk087	Tewk081	1.7	14.3 %
Tewk087	Tewk081	1.7	14.3 %
Tewk063	Tewk042	1.8	79.8 %
Tewk063	Tewk042	1.8	79.8 %
Tewk063	Tewk044	4.3	39.6 %
Tewk063	Tewk044	4.3	39.6 %
Tewk063	Tewk062	2.5	41.8 %
Tewk063	Tewk062	2.5	41.8 %
Tewk063	Tewk064	4.0	18.1 %
Tewk063	Tewk064	4.0	18.1 %
Tewk064	Tewk079	1.5	52.7 %
Tewk064	Tewk079	1.5	52.7 %
Tewk065	Tewk045	3.1	18.6 %
Tewk065	Tewk045	3.1	18.6 %
Tewk065	Tewk046	2.6	24.6 %
Tewk065	Tewk046	2.6	24.6 %
Tewk065	Tewk064	0.8	69.7 %
Tewk065	Tewk064	0.8	69.7 %
Tewk065	Tewk079	1.0	67.4 %
Tewk065	Tewk079	1.0	67.4 %
Tewk065	Tewk080	1.3	56.4 %
Tewk065	Tewk080	1.3	56.4 %
Tewk080	Tewk064	1.5	48.7 %
Tewk080	Tewk064	1.5	48.7 %
Tewk080	Tewk079	0.9	74.2 %
Tewk080	Tewk079	0.9	74.2 %
Tewk080	Tewk081	1.3	19.9 %
Tewk080	Tewk081	1.3	19.9 %
Tewk081	Tewk044	5.7	37.4 %
Tewk081	Tewk044	5.7	37.4 %
Tewk047	Tewk050	1.1	79.0 %
Tewk047	Tewk050	1.1	79.0 %
Tewk047	Tewk048	1.8	75.9 %
Tewk047	Tewk048	1.8	75.9 %
Tewk048	Tewk053	2.0	37.8 %
Tewk048	Tewk053	2.0	37.8 %

Tewk049	Tewk047	1.8	55.9 %
Tewk049	Tewk047	1.8	55.9 %
Tewk049	Tewk048	1.6	64.8 %
Tewk049	Tewk048	1.6	64.8 %
Tewk049	Tewk053	1.4	68.0 %
Tewk049	Tewk053	1.4	68.0 %
Tewk049	Tewk054	2.1	48.2 %
Tewk049	Tewk054	2.1	48.2 %
Tewk050	Tewk048	1.4	69.0 %
Tewk050	Tewk048	1.4	69.0 %
Tewk051	Tewk047	1.5	77.9 %
Tewk051	Tewk047	1.5	77.9 %
Tewk051	Tewk048	1.9	68.3 %
Tewk051	Tewk048	1.9	68.3 %
Tewk051	Tewk050	1.5	73.0 %
Tewk051	Tewk050	1.5	73.0 %
Tewk052	Tewk047	2.4	33.0 %
Tewk052	Tewk047	2.4	33.0 %
Tewk052	Tewk048	2.1	38.0 %
Tewk052	Tewk048	2.1	38.0 %
Tewk052	Tewk055	1.9	47.4 %
Tewk052	Tewk055	1.9	47.4 %
Tewk053	Tewk058	1.6	48.7 %
Tewk053	Tewk058	1.6	48.7 %
Tewk054	Tewk047	3.2	54.4 %
Tewk054	Tewk047	3.2	54.4 %
Tewk054	Tewk048	2.3	74.6 %
Tewk054	Tewk048	2.3	74.6 %
Tewk054	Tewk050	2.8	50.0 %
Tewk054	Tewk050	2.8	50.0 %
Tewk054	Tewk051	3.1	49.8 %
Tewk054	Tewk051	3.1	49.8 %
Tewk054	Tewk052	1.9	36.4 %
Tewk054	Tewk052	1.9	36.4 %
Tewk054	Tewk053	1.8	35.7 %
Tewk054	Tewk053	1.8	35.7 %
Tewk054	Tewk055	1.9	52.3 %
Tewk054	Tewk055	1.9	52.3 %
Tewk054	Tewk058	1.8	53.7 %
Tewk054	Tewk058	1.8	53.7 %
Tewk055	Tewk062	2.2	41.7 %
Tewk055	Tewk062	2.2	41.7 %
Tewk056	Tewk052	2.9	34.1 %
Tewk056	Tewk052	2.9	34.1 %
Tewk056	Tewk054	1.9	32.9 %

Tewk056	Tewk054	1.9	32.9 %
Tewk056	Tewk055	1.4	50.1 %
Tewk056	Tewk055	1.4	50.1 %
Tewk056	Tewk062	2.1	60.6 %
Tewk056	Tewk062	2.1	60.6 %
Tewk056	Tewk057	1.7	52.9 %
Tewk056	Tewk057	1.7	52.9 %
Tewk057	Tewk054	2.2	73.5 %
Tewk057	Tewk054	2.2	73.5 %
Tewk057	Tewk055	2.0	52.4 %
Tewk057	Tewk055	2.0	52.4 %
Tewk057	Tewk059	1.4	33.4 %
Tewk057	Tewk059	1.4	33.4 %
Tewk057	Tewk058	1.6	53.2 %
Tewk057	Tewk058	1.6	53.2 %
Tewk057	Tewk062	2.0	26.2 %
Tewk057	Tewk062	2.0	26.2 %
Tewk059	Tewk053	2.5	37.5 %
Tewk059	Tewk053	2.5	37.5 %
Tewk059	Tewk054	2.5	20.3 %
Tewk059	Tewk054	2.5	20.3 %
Tewk059	Tewk058	1.3	48.9 %
Tewk059	Tewk058	1.3	48.9 %
Tewk059	Tewk060	1.9	57.2 %
Tewk059	Tewk060	1.9	57.2 %
Tewk060	Tewk058	3.0	36.9 %
Tewk060	Tewk058	3.0	36.9 %
Tewk060	Tewk095	1.0	9.9 %
Tewk060	Tewk095	1.0	9.9 %
Tewk060	Tewk096	1.0	24.1 %
Tewk060	Tewk096	1.0	24.1 %
Tewk061	Tewk054	2.6	49.6 %
Tewk061	Tewk054	2.6	49.6 %
Tewk061	Tewk056	2.1	46.2 %
Tewk061	Tewk056	2.1	46.2 %
Tewk061	Tewk057	2.5	74.4 %
Tewk061	Tewk057	2.5	74.4 %
Tewk061	Tewk059	2.1	40.1 %
Tewk061	Tewk059	2.1	40.1 %
Tewk096	Tewk095	1.0	65.5 %
Tewk096	Tewk095	1.0	65.5 %
Tewk094	Tewk060	1.8	10.0 %
Tewk094	Tewk060	1.8	10.0 %
Tewk094	Tewk095	1.3	74.1 %
Tewk094	Tewk095	1.3	74.1 %

Tewk094	Tewk096	1.5	50.1 %
Tewk094	Tewk096	1.5	50.1 %
Tewk094	Tewk092	3.0	44.9 %
Tewk094	Tewk092	3.0	44.9 %
Tewk094	Tewk093	8.6	32.5 %
Tewk094	Tewk093	8.6	32.5 %
Tewk089	Tewk090	1.8	33.5 %
Tewk089	Tewk090	1.8	33.5 %
Tewk090	Tewk095	2.5	45.2 %
Tewk090	Tewk095	2.5	45.2 %
Tewk090	Tewk096	2.9	38.1 %
Tewk090	Tewk096	2.9	38.1 %
Tewk090	Tewk094	1.6	60.7 %
Tewk090	Tewk094	1.6	60.7 %
Tewk090	Tewk092	2.2	59.9 %
Tewk090	Tewk092	2.2	59.9 %
Tewk090	Tewk093	5.8	34.8 %
Tewk090	Tewk093	5.8	34.8 %
Tewk091	Tewk095	3.1	44.4 %
Tewk091	Tewk095	3.1	44.4 %
Tewk091	Tewk096	3.6	30.1 %
Tewk091	Tewk096	3.6	30.1 %
Tewk091	Tewk094	2.3	55.7 %
Tewk091	Tewk094	2.3	55.7 %
Tewk091	Tewk090	1.4	60.3 %
Tewk091	Tewk090	1.4	60.3 %
Tewk091	Tewk092	1.3	81.2 %
Tewk091	Tewk092	1.3	81.2 %
Tewk091	Tewk093	3.0	58.6 %
Tewk091	Tewk093	3.0	58.6 %
Tewk092	Tewk093	1.6	77.7 %
Tewk092	Tewk093	1.6	77.7 %
Tewk066	Tewk063	3.1	11.3 %
Tewk066	Tewk063	3.1	11.3 %
Tewk066	Tewk067	0.6	57.7 %
Tewk066	Tewk067	0.6	57.7 %
Tewk066	Tewk069	1.0	39.9 %
Tewk066	Tewk069	1.0	39.9 %
Tewk067	Tewk069	0.8	49.4 %
Tewk067	Tewk069	0.8	49.4 %
Tewk068	Tewk067	0.7	22.8 %
Tewk068	Tewk067	0.7	22.8 %
Tewk070	Tewk069	0.8	19.2 %
Tewk070	Tewk069	0.8	19.2 %
Tewk070	Tewk071	0.7	72.7 %

Tewk070	Tewk071	0.7	72.7 %
Tewk070	Tewk072	0.8	45.4 %
Tewk070	Tewk072	0.8	45.4 %
Tewk071	Tewk072	0.7	66.7 %
Tewk071	Tewk072	0.7	66.7 %
Tewk073	Tewk072	0.7	31.4 %
Tewk073	Tewk072	0.7	31.4 %
Tewk073	Tewk076	1.3	37.9 %
Tewk073	Tewk076	1.3	37.9 %
Tewk074	Tewk068	0.7	13.4 %
Tewk074	Tewk068	0.7	13.4 %
Tewk074	Tewk073	0.8	49.2 %
Tewk074	Tewk073	0.8	49.2 %
Tewk074	Tewk075	0.6	71.7 %
Tewk074	Tewk075	0.6	71.7 %
Tewk074	Tewk076	0.7	63.6 %
Tewk074	Tewk076	0.7	63.6 %
Tewk075	Tewk073	1.0	45.4 %
Tewk075	Tewk073	1.0	45.4 %
Tewk075	Tewk076	0.6	72.3 %
Tewk075	Tewk076	0.6	72.3 %
Tewk076	Tewk077	0.6	28.2 %
Tewk076	Tewk077	0.6	28.2 %
Tewk078	Tewk076	0.6	20.7 %
Tewk078	Tewk076	0.6	20.7 %
Tewk078	Tewk077	0.6	93.9 %
Tewk078	Tewk077	0.6	93.9 %

Inclinometer Mismatches

Cluster/Scan	Scan	Mismatch [deg]
Tewk065	Tewk065	0.0259
Tewk080	Tewk080	0.0141
Tewk074	Tewk074	0.0290
Tewk091	Tewk091	0.0456
Tewk061	Tewk061	0.0226
Tewk066	Tewk066	0.0552
Tewk075	Tewk075	0.0239
Tewk056	Tewk056	0.0120
Tewk045	Tewk045	0.0085
Tewk068	Tewk068	0.0438
Tewk067	Tewk067	0.0553
Tewk089	Tewk089	0.0384
Tewk057	Tewk057	0.0109
Tewk059	Tewk059	0.0322
Tewk070	Tewk070	0.0712
Tewk049	Tewk049	0.0258
Tewk054	Tewk054	0.0266
Tewk063	Tewk063	0.0304
Tewk073	Tewk073	0.0493
Tewk051	Tewk051	0.0304
Tewk078	Tewk078	0.0228
Tewk071	Tewk071	0.0769
Tewk083	Tewk083	0.0069
Tewk090	Tewk090	0.0403
Tewk043	Tewk043	0.0041
Tewk042	Tewk042	0.0275
Tewk094	Tewk094	0.0490
Tewk092	Tewk092	0.0550
Tewk046	Tewk046	0.0110
Tewk052	Tewk052	0.0251
Tewk072	Tewk072	0.0668
Tewk087	Tewk087	0.0154
Tewk086	Tewk086	0.0218
Tewk081	Tewk081	0.0161
Tewk069	Tewk069	0.0709
Tewk060	Tewk060	0.0279
Tewk047	Tewk047	0.0330
Tewk050	Tewk050	0.0362
Tewk055	Tewk055	0.0133
Tewk064	Tewk064	0.0482
Tewk096	Tewk096	0.0336
Tewk048	Tewk048	0.0358

Tewk084	Tewk084	0.0108
Tewk044	Tewk044	0.0245
Tewk076	Tewk076	0.0176
Tewk095	Tewk095	0.0420
Tewk093	Tewk093	0.0803
Tewk085	Tewk085	0.0140
Tewk053	Tewk053	0.0301
Tewk079	Tewk079	0.0115
Tewk058	Tewk058	0.0282
Tewk077	Tewk077	0.0164
Tewk062	Tewk062	0.0172