





# Registration Report

Project	CH14_NA
Cluster	Scans
Recording Period	7/26/2014, 1:09:05 PM - 7/27/2014, 5:02:37 PM
Location	-1000, -1000
Report Date	11/14/2017, 4:21:31 PM

## Color Coding

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

# Overview

## Scan Point Statistics

Maximum Point Error	3.3 mm
Mean Point Error	1.7 mm
Minimum Overlap	64.7 %

# Scan Errors

## Scan Point Statistics

Cluster/Scan	Connections	Max. Point Error [mm]	Mean Point Error [mm]	Min. Overlap
Ch14_NS000	3	1.6	1.4	64.7 %
Ch14_NS001	1	1.4	1.4	79.6 %
Ch14_NS002	1	1.4	1.4	85.1 %
Ch14_NS003	3	2.1	1.6	77.5 %
Ch14_NS004	3	2.1	1.6	72.8 %
Ch14_NS005	1	1.1	1.1	87.7 %
Ch14_NS006	1	1.7	1.7	72.8 %
Ch14_NS009	2	2.8	2.2	78.6 %
Ch14_NS010	3	3.3	2.3	88.3 %
Ch14_NS011	1	1.3	1.3	67.9 %
Ch14_NS012	1	2.1	2.1	89.0 %
Ch14_NS014	3	1.7	1.4	67.9 %
Ch14_NS015	1	1.5	1.5	79.5 %
Ch14_NS016	2	1.5	1.4	76.0 %
Ch14_NS017	1	1.6	1.6	79.6 %
Ch14_NS018	2	1.6	1.5	66.4 %
Ch14_NS020	2	1.8	1.6	66.4 %
Ch14_NS021	2	1.6	1.4	79.6 %
Ch14_NS022	2	1.5	1.4	67.9 %
Ch14_NS023	2	2.9	2.3	93.3 %
Ch14_NS024	3	1.8	1.8	77.3 %
Ch14_NS025	1	2.9	2.9	94.9 %
Ch14_NS045	1	1.4	1.4	75.3 %
Ch14_NS007	1	1.9	1.9	88.9 %
Ch14_NS008	3	2.8	2.1	64.7 %
Ch14_NS013	3	3.3	2.4	69.9 %
Ch14_NS019	2	1.6	1.5	67.9 %
Ch14_NS026	3	1.8	1.7	72.1 %
Ch14_NS027	2	1.8	1.7	72.1 %
Ch14_NS028	3	1.9	1.6	66.9 %
Ch14_NS029	2	2.0	1.7	84.6 %
Ch14_NS030	2	1.6	1.6	82.6 %

Ch14_NS031	1	1.4	1.4	89.1 %
Ch14_NS032	3	1.6	1.5	89.1 %
Ch14_NS033	2	1.6	1.5	76.1 %
Ch14_NS034	2	1.4	1.3	85.5 %
Ch14_NS035	2	1.4	1.3	76.1 %
Ch14_NS036	1	1.4	1.4	91.4 %
Ch14_NS037	2	1.4	1.4	85.5 %
Ch14_NS038	1	1.3	1.3	86.8 %
Ch14_NS039	2	2.4	1.8	85.0 %
Ch14_NS040	2	2.4	2.2	77.6 %
Ch14_NS041	2	2.0	1.8	77.6 %
Ch14_NS042	2	1.6	1.5	80.0 %
Ch14_NS043	3	1.4	1.4	86.0 %
Ch14_NS044	2	1.4	1.4	75.3 %
Ch14_NS046	2	2.2	1.8	86.7 %
Ch14_NS047	1	2.3	2.3	96.6 %
Ch14_NS048	3	2.3	2.2	86.7 %
Ch14_NS049	2	2.1	2.0	66.9 %

# Detailed Errors

## Scan Point Statistics

Cluster/Scan 1	Cluster/Scan 2	Point Error [mm]	Overlap
Ch14_NS000	Ch14_NS003	1.2	77.5 %
Ch14_NS000	Ch14_NS008	1.6	64.7 %
Ch14_NS001	Ch14_NS003	1.4	79.6 %
Ch14_NS002	Ch14_NS000	1.4	85.1 %
Ch14_NS004	Ch14_NS003	2.1	88.0 %
Ch14_NS004	Ch14_NS005	1.1	87.7 %
Ch14_NS006	Ch14_NS004	1.7	72.8 %
Ch14_NS009	Ch14_NS008	2.8	78.6 %
Ch14_NS010	Ch14_NS009	1.5	88.3 %
Ch14_NS010	Ch14_NS013	3.3	88.5 %
Ch14_NS010	Ch14_NS012	2.1	89.0 %
Ch14_NS011	Ch14_NS014	1.3	67.9 %
Ch14_NS014	Ch14_NS013	1.7	69.9 %
Ch14_NS015	Ch14_NS016	1.5	79.5 %
Ch14_NS016	Ch14_NS014	1.2	76.0 %
Ch14_NS017	Ch14_NS021	1.6	79.6 %
Ch14_NS018	Ch14_NS020	1.3	66.4 %
Ch14_NS018	Ch14_NS019	1.6	72.6 %
Ch14_NS020	Ch14_NS024	1.8	87.7 %
Ch14_NS021	Ch14_NS022	1.2	88.1 %
Ch14_NS023	Ch14_NS024	1.7	93.3 %
Ch14_NS025	Ch14_NS023	2.9	94.9 %
Ch14_NS007	Ch14_NS008	1.9	88.9 %
Ch14_NS019	Ch14_NS022	1.5	67.9 %
Ch14_NS026	Ch14_NS024	1.8	77.3 %
Ch14_NS026	Ch14_NS027	1.8	72.1 %
Ch14_NS028	Ch14_NS026	1.5	72.1 %
Ch14_NS028	Ch14_NS029	1.4	84.6 %
Ch14_NS028	Ch14_NS049	1.9	66.9 %
Ch14_NS029	Ch14_NS013	2.0	84.9 %
Ch14_NS030	Ch14_NS027	1.6	82.6 %
Ch14_NS030	Ch14_NS032	1.6	92.0 %

Ch14_NS032	Ch14_NS031	1.4	89.1 %
Ch14_NS033	Ch14_NS032	1.6	91.7 %
Ch14_NS033	Ch14_NS035	1.4	76.1 %
Ch14_NS035	Ch14_NS034	1.3	88.1 %
Ch14_NS036	Ch14_NS037	1.4	91.4 %
Ch14_NS037	Ch14_NS034	1.4	85.5 %
Ch14_NS039	Ch14_NS038	1.3	86.8 %
Ch14_NS039	Ch14_NS040	2.4	85.0 %
Ch14_NS040	Ch14_NS041	2.0	77.6 %
Ch14_NS042	Ch14_NS041	1.6	80.0 %
Ch14_NS042	Ch14_NS043	1.4	86.0 %
Ch14_NS044	Ch14_NS045	1.4	75.3 %
Ch14_NS044	Ch14_NS043	1.4	89.5 %
Ch14_NS046	Ch14_NS043	1.4	89.8 %
Ch14_NS048	Ch14_NS046	2.2	86.7 %
Ch14_NS048	Ch14_NS047	2.3	96.6 %
Ch14_NS048	Ch14_NS049	2.1	92.2 %

# Inclinometer Mismatches

Cluster/Scan	Scan	Mismatch [deg]
Ch14_NS028	Ch14_NS028	0.0098
Ch14_NS036	Ch14_NS036	0.0256
Ch14_NS015	Ch14_NS015	0.0248
Ch14_NS010	Ch14_NS010	0.0081
Ch14_NS033	Ch14_NS033	0.0023
Ch14_NS030	Ch14_NS030	0.0158
Ch14_NS002	Ch14_NS002	0.0032
Ch14_NS006	Ch14_NS006	0.0097
Ch14_NS032	Ch14_NS032	0.0085
Ch14_NS048	Ch14_NS048	0.1667
Ch14_NS018	Ch14_NS018	0.0053
Ch14_NS017	Ch14_NS017	0.0200
Ch14_NS049	Ch14_NS049	0.0186
Ch14_NS016	Ch14_NS016	0.0055
Ch14_NS004	Ch14_NS004	0.0245
Ch14_NS005	Ch14_NS005	0.0258
Ch14_NS044	Ch14_NS044	0.0147
Ch14_NS031	Ch14_NS031	0.0131
Ch14_NS039	Ch14_NS039	0.0104
Ch14_NS037	Ch14_NS037	0.0094
Ch14_NS025	Ch14_NS025	0.0209
Ch14_NS000	Ch14_NS000	0.0113
Ch14_NS007	Ch14_NS007	0.0226
Ch14_NS011	Ch14_NS011	0.0218
Ch14_NS023	Ch14_NS023	0.0218
Ch14_NS042	Ch14_NS042	0.0053
Ch14_NS035	Ch14_NS035	0.0054
Ch14_NS045	Ch14_NS045	0.0118
Ch14_NS040	Ch14_NS040	0.0238
Ch14_NS034	Ch14_NS034	0.0101
Ch14_NS012	Ch14_NS012	0.0157
Ch14_NS046	Ch14_NS046	0.0108
Ch14_NS026	Ch14_NS026	0.0031
Ch14_NS001	Ch14_NS001	0.0184
Ch14_NS038	Ch14_NS038	0.0068
Ch14_NS029	Ch14_NS029	0.0053

Ch14_NS009	Ch14_NS009	0.0108
Ch14_NS008	Ch14_NS008	0.0102
Ch14_NS047	Ch14_NS047	0.0025
Ch14_NS020	Ch14_NS020	0.0145
Ch14_NS014	Ch14_NS014	0.0079
Ch14_NS041	Ch14_NS041	0.0081
Ch14_NS019	Ch14_NS019	0.0177
Ch14_NS043	Ch14_NS043	0.0147
Ch14_NS027	Ch14_NS027	0.0136
Ch14_NS003	Ch14_NS003	0.0083
Ch14_NS021	Ch14_NS021	0.0196
Ch14_NS013	Ch14_NS013	0.0174
Ch14_NS024	Ch14_NS024	0.0337
Ch14_NS022	Ch14_NS022	0.0132