

# Registration Report

Project CH12\_SA



Cluster Scans



Recording Period 7/8/2012, 2:44:16 PM - 7/24/2012, 6:15:24 PM



Location



Report Date 8/15/2018, 10:54:13 AM



## Color Coding

Point Error  < 8 mm  > 20 mm

Overlap  > 25.0 %  < 10.0 %

Distance Error  < 20 mm  > 40 mm

Horizontal Error  < 20 mm  > 40 mm

Vertical Error  < 20 mm  > 40 mm

Angular Error  < 0.5 deg  > 1.0 deg

# Overview

## Scan Point Statistics

Maximum Point Error	6.6 mm
Mean Point Error	3.4 mm
Minimum Overlap	30.0 %

## Target Statistics

Max. Distance Error	6979.8 mm
Mean Distance Error	65.0 mm
Max. Horizontal Error	6967.0 mm
Mean Horizontal Error	63.0 mm
Max. Vertical Error	920.9 mm
Mean Vertical Error	8.2 mm
Max. Angular Error	-
Mean Angular Error	-

# Scan Errors

## Scan Point Statistics

Cluster/Scan	Connections	Max. Point Error [mm]	Mean Point Error [mm]	Min. Overlap
SS_001	15	4.8	3.2	43.2 %
SS_004	18	5.2	3.5	45.0 %
SS_005	15	5.5	3.5	48.7 %
SS_006	14	4.7	2.9	38.0 %
SS_007	19	4.1	3.0	40.3 %
SS_008	22	4.4	3.0	45.5 %
SS_009	23	4.4	3.0	38.9 %
SS_010	21	4.8	2.9	43.2 %
SS_011	25	4.6	3.2	33.2 %
SS_012	26	4.0	3.0	37.5 %
SS_013	32	5.8	3.6	33.3 %
SS_014	18	5.2	3.6	37.3 %
SS_015	15	4.8	3.3	40.9 %
SS_016	26	4.7	3.1	30.0 %
SS_017	14	4.6	3.4	46.4 %
SS_018	14	4.7	3.3	30.0 %
SS_018bis	19	5.0	3.5	40.6 %
SS_019	18	5.1	3.5	41.9 %
SS_020	26	4.9	3.5	40.6 %
SS_021	34	6.6	3.9	31.4 %
SS_022	25	5.7	3.6	38.0 %
SS_023	32	5.6	4.0	33.2 %
SS_025	19	4.7	3.0	40.9 %
SS_026	20	4.4	3.0	39.5 %
SS_027	27	5.5	3.7	30.3 %
SS_029B	21	4.1	2.9	36.8 %
SS_029C	20	5.8	4.2	38.4 %
SS_029D	18	4.8	3.2	38.1 %
SS_029E	18	4.9	3.3	40.4 %
SS_030	18	4.8	3.2	37.3 %
SS_031	19	4.6	3.2	42.2 %
SS_032	16	5.6	3.3	50.0 %
SS_033	17	5.1	3.3	49.4 %
SS_034	15	4.8	3.3	57.0 %

SS_035	13		5.4		3.7	38.7 %
SS_036	13		5.4		3.6	49.0 %
SS_037	12		5.2		3.5	52.6 %
SS_038	13		6.6		3.9	40.2 %
SS_039	17		4.6		3.3	31.4 %
SS_000	11		5.5		3.4	46.4 %

## Target Statistics

Cluster/Scan	Connections	Max. Dist. [mm]	Mean Dist. [mm]	Max. Hor. [mm]	Mean Hor. [mm]	Max. Vert. [mm]	Mean Vert. [mm]	Max. Angle [deg]	Mean Angle [deg]
SS_001	12	35.7	12.5	27.5	10.2	22.8	5.6	-	-
SS_004	14	56.3	15.4	55.8	14.6	12.9	3.5	-	-
SS_005	13	62.2	16.5	61.8	15.2	14.5	4.6	-	-
SS_006	13	88.7	12.1	88.6	10.1	19.8	4.7	-	-
SS_007	12	88.7	11.6	88.6	10.0	22.0	3.9	-	-
SS_008	17	32.0	10.3	25.3	7.5	19.6	5.7	-	-
SS_009	24	35.3	11.1	33.1	9.6	19.8	4.3	-	-
SS_010	17	30.3	11.4	28.6	8.2	26.8	5.8	-	-
SS_011	27	48.9	13.3	48.7	12.3	13.4	3.5	-	-
SS_012	21	26.6	11.1	26.6	10.0	11.1	3.6	-	-
SS_013	24	2669.6	50.0	2669.6	49.2	11.0	3.5	-	-
SS_014	14	61.3	15.3	60.0	14.0	12.5	4.3	-	-
SS_015	16	62.2	16.4	61.8	15.3	11.0	4.4	-	-
SS_016	28	26.3	11.6	25.5	10.5	22.8	3.4	-	-
SS_017	11	34.4	12.2	34.0	11.0	9.1	4.0	-	-
SS_018	19	6979.8	411.4	6967.0	410.1	422.7	26.5	-	-
SS_018bis	23	39.1	12.4	38.8	10.7	26.8	4.5	-	-
SS_019	20	2822.2	217.1	2667.8	207.0	920.9	55.2	-	-
SS_020	19	2667.9	50.1	2667.9	49.0	16.3	3.4	-	-
SS_021	21	26.6	9.4	26.6	8.5	10.7	3.0	-	-
SS_022	26	2668.8	43.6	2668.8	42.5	15.9	4.1	-	-
SS_023	20	35.3	12.7	33.1	11.5	16.6	4.1	-	-
SS_025	21	60.8	13.0	59.9	12.0	10.0	3.8	-	-
SS_026	18	30.6	11.0	30.4	10.1	8.0	3.4	-	-
SS_027	15	23.7	12.9	23.2	12.0	8.5	3.6	-	-
SS_029B	16	26.8	10.8	26.6	10.3	8.2	2.5	-	-
SS_029C	15	29.7	14.9	29.6	13.7	16.6	4.3	-	-
SS_029D	14	58.4	13.1	57.7	12.1	9.0	3.6	-	-

SS_029E	9	22.8	9.3	18.4	8.7	14.7	2.4	-	-
SS_030	15	2666.4	89.0	2666.4	87.7	25.6	5.4	-	-
SS_031	14	6979.8	729.3	6967.0	722.9	920.3	41.7	-	-
SS_032	10	6979.2	235.1	6966.4	233.0	422.7	17.4	-	-
SS_033	10	2800.7	121.2	2647.7	114.0	913.0	36.7	-	-
SS_034	12	2671.7	114.9	2671.7	114.0	5.9	3.0	-	-
SS_035	8	2696.8	432.7	2696.8	430.8	32.6	5.0	-	-
SS_036	9	2822.2	226.7	2685.0	218.8	920.9	37.2	-	-
SS_037	8	2696.8	255.8	2696.8	253.0	13.6	7.6	-	-
SS_038	8	2689.3	120.1	2689.3	118.0	24.6	4.5	-	-
SS_039	9	46.6	11.9	43.7	10.8	16.3	4.8	-	-
SS_000	12	35.7	13.6	28.6	11.5	26.5	5.8	-	-

# Detailed Errors

## Scan Point Statistics

Cluster/Scan 1	Cluster/Scan 2	Point Error [mm]	Overlap
SS_001	SS_007	2.3	81.6 %
SS_001	SS_008	2.6	73.7 %
SS_001	SS_010	2.8	72.2 %
SS_001	SS_009	3.4	63.6 %
SS_001	SS_006	2.9	68.1 %
SS_001	SS_016	3.2	61.2 %
SS_001	SS_018bis	3.7	64.3 %
SS_001	SS_029B	3.9	46.6 %
SS_001	SS_011	3.0	60.3 %
SS_001	SS_012	3.7	45.4 %
SS_001	SS_004	2.5	81.1 %
SS_001	SS_017	3.8	59.0 %
SS_001	SS_005	3.6	68.1 %
SS_004	SS_005	2.3	88.3 %
SS_004	SS_008	2.6	76.0 %
SS_004	SS_011	2.6	75.9 %
SS_004	SS_007	2.5	73.5 %
SS_004	SS_018bis	3.2	79.4 %
SS_004	SS_010	3.0	68.7 %
SS_004	SS_016	3.2	65.2 %
SS_004	SS_009	3.7	62.1 %
SS_004	SS_015	3.4	62.3 %
SS_004	SS_006	3.8	57.7 %
SS_004	SS_012	4.0	56.4 %
SS_004	SS_029B	4.1	58.2 %
SS_004	SS_026	4.4	53.4 %
SS_005	SS_018bis	3.1	63.6 %
SS_005	SS_007	3.6	58.8 %
SS_005	SS_010	3.3	61.0 %
SS_005	SS_029B	3.8	57.2 %
SS_006	SS_010	1.9	83.3 %
SS_006	SS_007	2.1	75.4 %
SS_006	SS_016	2.5	74.4 %
SS_006	SS_008	2.6	62.3 %

SS_006	SS_012	3.0	42.1 %
SS_008	SS_005	3.7	70.1 %
SS_008	SS_007	2.4	81.6 %
SS_008	SS_018bis	2.9	87.9 %
SS_008	SS_010	2.3	88.8 %
SS_008	SS_029B	2.7	73.7 %
SS_008	SS_012	3.0	64.4 %
SS_009	SS_005	3.7	57.8 %
SS_009	SS_006	2.2	71.3 %
SS_009	SS_007	2.3	85.6 %
SS_009	SS_008	2.4	81.5 %
SS_009	SS_010	1.7	86.6 %
SS_009	SS_016	1.7	88.0 %
SS_009	SS_018bis	3.7	72.8 %
SS_009	SS_029B	2.8	70.3 %
SS_009	SS_012	2.8	66.2 %
SS_010	SS_007	2.0	91.6 %
SS_010	SS_018bis	3.1	76.0 %
SS_011	SS_005	2.4	86.9 %
SS_011	SS_006	2.9	46.5 %
SS_011	SS_007	3.3	61.7 %
SS_011	SS_008	2.6	77.8 %
SS_011	SS_009	2.6	68.8 %
SS_011	SS_010	2.4	67.7 %
SS_011	SS_018bis	3.4	70.8 %
SS_011	SS_012	2.4	78.0 %
SS_011	SS_016	2.1	78.6 %
SS_011	SS_029B	2.7	68.7 %
SS_011	SS_014	3.1	59.8 %
SS_012	SS_005	3.5	69.6 %
SS_012	SS_007	3.7	49.7 %
SS_012	SS_010	3.2	59.0 %
SS_012	SS_029B	2.3	64.7 %
SS_012	SS_018bis	3.7	54.7 %
SS_013	SS_004	4.3	46.7 %
SS_013	SS_005	3.4	60.1 %
SS_013	SS_006	3.4	38.0 %
SS_013	SS_007	3.7	42.7 %
SS_013	SS_008	3.3	55.8 %
SS_013	SS_009	3.2	60.2 %
SS_013	SS_010	3.5	51.9 %

SS_013	SS_011	3.0	66.5 %
SS_013	SS_012	2.0	88.9 %
SS_013	SS_018	3.0	48.8 %
SS_013	SS_015	2.7	51.4 %
SS_013	SS_025	2.5	60.8 %
SS_013	SS_016	3.0	68.9 %
SS_013	SS_026	2.6	57.7 %
SS_013	SS_029B	2.7	62.5 %
SS_013	SS_023	3.7	69.7 %
SS_013	SS_022	3.6	68.4 %
SS_013	SS_018bis	4.4	46.7 %
SS_013	SS_039	3.7	33.3 %
SS_013	SS_014	2.3	81.1 %
SS_013	SS_020	2.8	81.6 %
SS_013	SS_019	3.4	77.0 %
SS_013	SS_017	3.6	55.8 %
SS_013	SS_031	4.5	59.8 %
SS_013	SS_029E	4.3	53.5 %
SS_013	SS_030	4.4	56.6 %
SS_013	SS_033	4.7	49.4 %
SS_013	SS_032	4.6	50.0 %
SS_013	SS_029D	4.8	54.5 %
SS_013	SS_029C	5.8	57.3 %
SS_014	SS_009	3.7	49.2 %
SS_014	SS_012	2.5	78.4 %
SS_014	SS_016	4.0	54.9 %
SS_014	SS_031	4.0	42.2 %
SS_014	SS_030	4.0	37.3 %
SS_015	SS_005	2.5	58.1 %
SS_015	SS_008	3.4	56.5 %
SS_015	SS_009	3.2	56.8 %
SS_015	SS_010	3.1	50.8 %
SS_015	SS_011	2.5	56.6 %
SS_015	SS_012	2.7	57.2 %
SS_015	SS_014	2.5	64.2 %
SS_015	SS_016	3.1	60.9 %
SS_015	SS_023	4.8	45.4 %
SS_016	SS_005	3.3	66.0 %
SS_016	SS_007	2.6	81.3 %
SS_016	SS_008	2.1	85.4 %
SS_016	SS_010	1.9	79.7 %



SS_016	SS_012	2.6	74.3 %
SS_016	SS_029B	2.4	83.1 %
SS_016	SS_018bis	3.2	84.7 %
SS_017	SS_006	2.5	85.1 %
SS_017	SS_007	3.3	71.4 %
SS_017	SS_008	3.1	68.0 %
SS_017	SS_009	2.4	86.1 %
SS_017	SS_010	2.4	78.6 %
SS_017	SS_011	4.6	55.7 %
SS_017	SS_012	3.3	59.4 %
SS_017	SS_016	2.6	74.6 %
SS_018	SS_011	3.9	33.2 %
SS_018	SS_012	2.5	45.7 %
SS_018	SS_014	3.0	42.7 %
SS_018	SS_016	4.7	30.0 %
SS_018	SS_029B	3.1	36.8 %
SS_018	SS_026	3.2	39.5 %
SS_018	SS_025	3.2	40.9 %
SS_018	SS_023	3.8	36.5 %
SS_018	SS_022	4.7	38.0 %
SS_018	SS_020	2.5	83.0 %
SS_018bis	SS_007	3.2	71.7 %
SS_019	SS_012	3.4	68.5 %
SS_019	SS_014	2.9	80.0 %
SS_019	SS_015	3.3	41.9 %
SS_019	SS_018	2.5	48.7 %
SS_019	SS_020	2.2	85.4 %
SS_019	SS_022	3.2	69.9 %
SS_019	SS_023	4.0	62.2 %
SS_019	SS_025	2.8	53.1 %
SS_019	SS_029E	3.6	64.1 %
SS_019	SS_031	3.1	68.2 %
SS_019	SS_029D	3.8	58.6 %
SS_019	SS_030	3.9	62.3 %
SS_019	SS_032	4.2	57.9 %
SS_019	SS_029C	5.1	53.5 %
SS_019	SS_033	4.6	54.1 %
SS_020	SS_011	4.1	55.9 %
SS_020	SS_012	3.0	73.6 %
SS_020	SS_014	2.8	76.9 %
SS_020	SS_015	3.6	62.6 %

SS_020	SS_016	4.4	55.7 %
SS_020	SS_018bis	4.2	49.3 %
SS_020	SS_023	2.7	69.6 %
SS_020	SS_026	3.5	65.1 %
SS_020	SS_029B	3.5	62.5 %
SS_020	SS_031	3.3	71.9 %
SS_020	SS_030	3.7	68.4 %
SS_020	SS_033	4.1	59.8 %
SS_020	SS_029C	3.7	64.3 %
SS_021	SS_005	5.5	48.7 %
SS_021	SS_008	4.4	45.5 %
SS_021	SS_009	4.4	51.6 %
SS_021	SS_010	4.8	43.2 %
SS_021	SS_011	4.5	52.5 %
SS_021	SS_012	2.8	74.6 %
SS_021	SS_013	3.1	82.8 %
SS_021	SS_014	3.6	54.1 %
SS_021	SS_015	3.8	40.9 %
SS_021	SS_016	4.4	59.5 %
SS_021	SS_017	4.5	51.5 %
SS_021	SS_018	2.7	49.3 %
SS_021	SS_018bis	4.4	40.6 %
SS_021	SS_019	2.3	69.1 %
SS_021	SS_020	2.1	87.9 %
SS_021	SS_025	2.2	63.0 %
SS_021	SS_022	2.7	77.9 %
SS_021	SS_023	2.8	75.6 %
SS_021	SS_026	2.9	56.3 %
SS_021	SS_029B	2.9	60.4 %
SS_021	SS_039	4.3	31.4 %
SS_021	SS_031	3.3	72.7 %
SS_021	SS_029E	3.7	65.2 %
SS_021	SS_029D	3.4	68.1 %
SS_021	SS_030	3.7	70.1 %
SS_021	SS_029C	4.1	70.7 %
SS_021	SS_032	4.3	63.8 %
SS_021	SS_033	4.3	61.7 %
SS_021	SS_034	4.6	61.7 %
SS_021	SS_035	5.4	38.7 %
SS_021	SS_036	5.1	49.0 %
SS_021	SS_037	5.2	54.0 %

SS_021	SS_038	6.6	40.2 %
SS_022	SS_012	3.7	59.7 %
SS_022	SS_014	4.5	58.7 %
SS_022	SS_016	4.0	51.9 %
SS_022	SS_020	2.7	76.4 %
SS_022	SS_023	2.9	84.0 %
SS_022	SS_025	2.9	70.4 %
SS_022	SS_026	3.5	58.3 %
SS_022	SS_029B	3.6	58.0 %
SS_022	SS_030	3.2	74.5 %
SS_022	SS_031	3.1	74.0 %
SS_022	SS_029C	3.3	77.9 %
SS_022	SS_034	3.6	74.2 %
SS_022	SS_033	3.6	67.6 %
SS_022	SS_036	4.4	53.6 %
SS_022	SS_037	3.9	61.4 %
SS_022	SS_038	5.7	51.5 %
SS_023	SS_006	4.7	39.7 %
SS_023	SS_007	4.1	40.3 %
SS_023	SS_008	4.2	50.8 %
SS_023	SS_009	3.8	61.8 %
SS_023	SS_010	4.2	51.3 %
SS_023	SS_011	4.5	52.1 %
SS_023	SS_012	3.6	64.6 %
SS_023	SS_014	5.2	53.0 %
SS_023	SS_016	3.7	67.6 %
SS_023	SS_017	4.6	62.2 %
SS_023	SS_018bis	5.0	42.6 %
SS_023	SS_026	2.7	62.6 %
SS_023	SS_029B	2.9	64.8 %
SS_023	SS_029C	3.9	72.2 %
SS_023	SS_031	4.6	60.0 %
SS_023	SS_030	4.8	60.1 %
SS_023	SS_037	4.5	56.2 %
SS_025	SS_008	3.2	54.9 %
SS_025	SS_009	3.3	58.0 %
SS_025	SS_011	3.8	53.0 %
SS_025	SS_012	2.4	57.0 %
SS_025	SS_016	3.1	70.6 %
SS_025	SS_018bis	3.7	53.3 %
SS_025	SS_020	2.7	72.8 %

SS_025	SS_023	2.2	69.7 %
SS_025	SS_026	2.0	82.6 %
SS_025	SS_029B	2.1	82.3 %
SS_025	SS_029C	4.7	52.5 %
SS_025	SS_031	4.5	53.4 %
SS_026	SS_005	4.3	51.2 %
SS_026	SS_007	3.4	55.1 %
SS_026	SS_008	3.3	63.6 %
SS_026	SS_009	2.9	58.2 %
SS_026	SS_010	3.2	60.0 %
SS_026	SS_011	2.9	59.9 %
SS_026	SS_012	2.2	57.4 %
SS_026	SS_016	2.6	81.7 %
SS_026	SS_018bis	3.0	73.7 %
SS_026	SS_029B	1.6	86.5 %
SS_027	SS_001	4.8	43.2 %
SS_027	SS_004	5.2	45.0 %
SS_027	SS_006	4.2	52.7 %
SS_027	SS_007	3.8	53.4 %
SS_027	SS_008	3.7	62.9 %
SS_027	SS_009	3.0	77.5 %
SS_027	SS_010	3.4	65.7 %
SS_027	SS_011	3.8	55.8 %
SS_027	SS_012	3.5	64.2 %
SS_027	SS_013	3.8	65.6 %
SS_027	SS_014	5.1	50.4 %
SS_027	SS_015	4.3	47.5 %
SS_027	SS_016	3.1	77.8 %
SS_027	SS_017	3.6	73.4 %
SS_027	SS_018	3.9	30.3 %
SS_027	SS_018bis	4.6	50.9 %
SS_027	SS_019	4.2	53.6 %
SS_027	SS_020	3.3	63.9 %
SS_027	SS_021	3.2	66.5 %
SS_027	SS_022	3.1	67.6 %
SS_027	SS_023	1.9	86.7 %
SS_027	SS_025	2.3	62.8 %
SS_027	SS_026	2.4	61.4 %
SS_027	SS_029B	2.5	65.8 %
SS_027	SS_039	3.5	35.0 %
SS_027	SS_000	5.5	53.5 %

SS_027	SS_029C	4.2	59.3 %
SS_029B	SS_007	3.3	56.8 %
SS_029B	SS_010	2.8	66.2 %
SS_029B	SS_018bis	2.6	73.9 %
SS_029C	SS_014	4.9	38.4 %
SS_029C	SS_030	3.6	80.4 %
SS_029C	SS_031	3.9	77.1 %
SS_029C	SS_038	4.7	63.2 %
SS_029D	SS_014	3.7	38.1 %
SS_029D	SS_020	3.6	64.1 %
SS_029D	SS_022	3.2	70.7 %
SS_029D	SS_023	4.2	58.7 %
SS_029D	SS_029C	3.3	81.3 %
SS_029D	SS_030	2.4	81.8 %
SS_029D	SS_029E	2.3	76.7 %
SS_029D	SS_031	2.1	88.9 %
SS_029D	SS_033	2.4	91.0 %
SS_029D	SS_034	2.4	89.9 %
SS_029D	SS_036	3.3	72.6 %
SS_029D	SS_037	2.7	75.3 %
SS_029D	SS_038	3.8	69.1 %
SS_029E	SS_014	3.6	40.4 %
SS_029E	SS_020	3.8	64.7 %
SS_029E	SS_022	3.4	65.6 %
SS_029E	SS_023	4.9	52.3 %
SS_029E	SS_029C	3.7	70.0 %
SS_029E	SS_031	2.4	87.2 %
SS_029E	SS_030	2.3	85.3 %
SS_029E	SS_033	2.5	84.2 %
SS_029E	SS_034	3.1	66.8 %
SS_029E	SS_036	3.4	73.0 %
SS_029E	SS_037	4.1	52.6 %
SS_029E	SS_038	3.9	63.1 %
SS_031	SS_030	2.2	91.7 %
SS_031	SS_038	3.7	62.7 %
SS_032	SS_020	4.3	62.8 %
SS_032	SS_022	3.5	71.4 %
SS_032	SS_023	5.6	54.9 %
SS_032	SS_029C	4.3	74.9 %
SS_032	SS_029D	2.6	60.9 %
SS_032	SS_029E	1.9	72.2 %

SS_032	SS_030	2.1	71.7 %
SS_032	SS_031	2.4	70.7 %
SS_032	SS_033	2.1	75.5 %
SS_032	SS_034	2.8	77.7 %
SS_032	SS_036	2.9	77.9 %
SS_032	SS_035	2.3	79.5 %
SS_032	SS_038	3.3	65.9 %
SS_033	SS_023	5.1	54.0 %
SS_033	SS_029C	4.2	75.7 %
SS_033	SS_030	2.0	87.4 %
SS_033	SS_031	2.5	83.6 %
SS_033	SS_036	2.8	82.3 %
SS_033	SS_038	2.8	73.0 %
SS_033	SS_037	3.6	60.1 %
SS_034	SS_020	4.6	57.0 %
SS_034	SS_023	4.8	60.2 %
SS_034	SS_029C	3.5	71.1 %
SS_034	SS_030	2.7	76.4 %
SS_034	SS_031	2.7	71.2 %
SS_034	SS_033	2.6	78.4 %
SS_034	SS_036	3.1	78.2 %
SS_034	SS_037	2.1	70.2 %
SS_034	SS_038	3.0	80.4 %
SS_035	SS_020	4.9	40.6 %
SS_035	SS_022	5.0	45.3 %
SS_035	SS_029C	5.4	49.9 %
SS_035	SS_029D	3.4	65.4 %
SS_035	SS_029E	2.5	75.9 %
SS_035	SS_030	2.8	70.8 %
SS_035	SS_031	2.8	70.3 %
SS_035	SS_033	2.5	78.6 %
SS_035	SS_034	4.1	64.0 %
SS_035	SS_036	3.0	80.2 %
SS_035	SS_038	3.7	72.0 %
SS_036	SS_029C	5.4	63.0 %
SS_036	SS_030	3.4	74.6 %
SS_036	SS_031	3.2	71.0 %
SS_036	SS_037	3.3	63.9 %
SS_036	SS_038	3.0	85.2 %
SS_037	SS_029C	3.2	81.3 %
SS_037	SS_030	3.2	60.4 %

SS_037	SS_031	3.6	57.3 %
SS_037	SS_038	3.2	75.5 %
SS_038	SS_030	3.7	67.4 %
SS_039	SS_004	3.6	69.5 %
SS_039	SS_007	3.4	64.9 %
SS_039	SS_008	3.1	81.8 %
SS_039	SS_009	3.2	38.9 %
SS_039	SS_010	2.9	44.2 %
SS_039	SS_011	3.2	48.7 %
SS_039	SS_012	3.1	37.5 %
SS_039	SS_016	3.1	84.0 %
SS_039	SS_018bis	2.2	88.4 %
SS_039	SS_020	4.6	49.1 %
SS_039	SS_023	4.3	33.2 %
SS_039	SS_025	3.4	48.1 %
SS_039	SS_026	2.8	83.2 %
SS_039	SS_029B	2.5	59.6 %
SS_000	SS_001	2.3	83.7 %
SS_000	SS_004	4.0	62.6 %
SS_000	SS_006	2.3	84.0 %
SS_000	SS_007	2.0	86.5 %
SS_000	SS_008	3.0	73.3 %
SS_000	SS_009	3.3	76.0 %
SS_000	SS_010	3.0	80.6 %
SS_000	SS_011	4.2	53.6 %
SS_000	SS_016	4.7	68.5 %
SS_000	SS_017	3.6	46.4 %

## Target Statistics

Cluster/Scan 1	Target 1	Cluster/Scan 2	Target 2	Dist. [mm]	Hor. [mm]	Ver. [mm]	Angle [deg]
SS_001	sp4	SS_007	sp4	9.4	7.5	5.6	-
SS_001	Sphere34	SS_007	Sphere34	4.9	4.9	0.1	-
SS_001	Sphere32	SS_007	Sphere32	8.9	8.9	0.4	-
SS_001	sp4	SS_005	Sphere38	12.4	12.2	2.3	-
SS_001	sp4	SS_006	sp4	7.7	7.6	0.5	-
SS_001	Sphere34	SS_006	Sphere34	10.7	10.7	0.3	-
SS_001	sp4	SS_008	sp4	12.6	11.5	5.1	-
SS_001	sp3	SS_008	sp3	10.1	8.9	4.9	-

SS_001	sp2	SS_008	Sphere34	11.9	11.5	3.1	-
SS_001	Sphere28	SS_008	Sphere28	17.1	2.4	16.9	-
SS_001	sp4	SS_009	sp4	16.2	10.7	12.2	-
SS_001	Sphere34	SS_009	Sphere34	13.6	13.3	2.5	-
SS_001	Sphere18	SS_009	Sphere18	12.5	10.3	7.1	-
SS_001	Sphere32	SS_009	Sphere32	12.3	12.1	1.9	-
SS_001	sp4	SS_011	Sphere38	16.2	15.8	3.5	-
SS_001	sp2	SS_011	Sphere75	14.2	10.6	9.4	-
SS_001	sp4	SS_010	sp4	11.9	10.1	6.2	-
SS_001	Sphere34	SS_010	Sphere34	13.6	13.6	0.1	-
SS_001	Sphere32	SS_010	Sphere32	22.1	4.8	21.6	-
SS_001	Sphere32	SS_016	Sphere32	10.8	10.8	1.2	-
SS_001	sp5	SS_000	sp5	13.9	13.3	4.0	-
SS_001	sp3	SS_000	sp3	13.9	10.5	9.2	-
SS_001	sp2	SS_000	sp2	35.7	27.5	22.8	-
SS_001	sp1	SS_000	sp1	7.7	4.7	6.1	-
SS_001	Sphere34	SS_000	Sphere34	7.7	7.7	1.0	-
SS_001	Sphere1	SS_000	Sphere1	6.6	4.6	4.8	-
SS_001	Sphere12	SS_000	Sphere12	6.4	3.5	5.3	-
SS_001	Sphere18	SS_000	Sphere18	3.6	3.0	2.1	-
SS_001	Sphere32	SS_000	Sphere32	20.0	19.4	4.9	-
SS_004	Sphere1	SS_001	sp4	14.1	14.0	2.1	-
SS_004	Sphere34	SS_001	Sphere34	4.6	4.2	2.0	-
SS_004	Sphere33	SS_001	Sphere33	11.1	10.9	2.1	-
SS_004	Sphere3	SS_001	Sphere3	15.2	8.1	12.9	-
SS_004	sp3	SS_001	Sphere10	9.2	5.5	7.3	-
SS_004	Sphere59	SS_005	Sphere35	12.8	12.7	0.8	-
SS_004	Sphere1	SS_005	Sphere38	5.7	3.7	4.4	-
SS_004	Sphere59	SS_008	Sphere59	9.3	4.2	8.2	-
SS_004	Sphere1	SS_008	sp4	15.3	15.0	3.0	-
SS_004	Sphere37	SS_011	Sphere13	2.9	2.2	2.0	-
SS_004	Sphere1	SS_011	Sphere38	7.4	7.3	1.4	-
SS_004	Sphere59	SS_015	Sphere35	14.1	14.1	0.5	-
SS_004	Sphere4	SS_015	Sphere145	25.8	25.2	5.7	-
SS_004	Sphere59	SS_016	Sphere59	7.5	7.1	2.4	-
SS_004	sp3	SS_007	sp3	18.7	17.7	5.8	-
SS_004	Sphere1	SS_007	sp4	16.5	16.1	3.6	-
SS_004	Sphere34	SS_007	Sphere34	8.7	8.4	2.1	-
SS_004	sp3	SS_006	sp3	17.5	16.7	5.4	-
SS_004	Sphere1	SS_006	sp4	14.9	14.7	2.6	-
SS_004	Sphere34	SS_006	Sphere34	15.0	14.8	2.3	-



SS_004	sp3	SS_009	sp3	17.2	16.8	3.8	-
SS_004	Sphere1	SS_009	sp4	18.3	15.2	10.1	-
SS_004	Sphere34	SS_009	Sphere34	16.7	16.7	0.5	-
SS_004	sp3	SS_010	sp3	16.7	16.5	2.5	-
SS_004	Sphere1	SS_010	sp4	16.3	15.8	4.1	-
SS_004	Sphere34	SS_010	Sphere34	17.0	16.8	2.2	-
SS_004	sp3	SS_000	Sphere10	17.2	16.9	3.2	-
SS_004	Sphere34	SS_000	Sphere34	11.9	11.8	1.0	-
SS_005	Sphere8	SS_004	Sphere36	11.1	11.1	0.4	-
SS_005	Sphere13	SS_004	Sphere37	3.5	2.1	2.8	-
SS_005	Sphere35	SS_008	Sphere59	16.5	13.7	9.1	-
SS_005	Sphere38	SS_008	sp4	13.5	11.4	7.4	-
SS_005	Sphere13	SS_011	Sphere13	5.6	2.9	4.8	-
SS_005	Sphere40	SS_011	Sphere40	8.7	8.1	3.2	-
SS_005	Sphere38	SS_011	Sphere38	7.5	4.8	5.8	-
SS_005	Sphere35	SS_016	Sphere59	14.2	14.1	1.5	-
SS_005	Sphere38	SS_007	sp4	15.2	13.0	7.9	-
SS_005	Sphere38	SS_009	sp4	18.6	11.6	14.5	-
SS_005	Sphere38	SS_010	sp4	14.9	12.3	8.5	-
SS_006	Sphere28	SS_001	Sphere28	18.1	11.5	14.0	-
SS_006	Sphere32	SS_001	Sphere32	15.1	15.0	1.8	-
SS_006	sp3	SS_001	Sphere10	11.7	11.5	2.0	-
SS_006	Sphere30	SS_007	Sphere30	88.7	88.6	4.6	-
SS_006	Sphere34	SS_007	Sphere34	9.1	9.1	0.2	-
SS_006	sp3	SS_007	sp3	2.9	2.9	0.4	-
SS_006	Sphere27	SS_007	Sphere27	7.4	6.5	3.5	-
SS_006	sp4	SS_007	sp4	6.4	1.7	6.1	-
SS_006	Sphere32	SS_007	Sphere32	7.4	7.1	2.2	-
SS_006	Sphere28	SS_007	Sphere28	9.4	8.5	4.1	-
SS_006	sp4	SS_005	Sphere38	11.6	11.4	1.8	-
SS_006	Sphere44	SS_009	Sphere44	12.1	8.9	8.2	-
SS_006	Sphere32	SS_009	Sphere32	3.0	3.0	0.1	-
SS_006	sp4	SS_009	sp4	13.1	3.1	12.7	-
SS_006	sp3	SS_009	sp3	4.5	4.2	1.6	-
SS_006	Sphere43	SS_009	Sphere43	16.7	16.5	2.9	-
SS_006	Sphere44	SS_010	Sphere44	12.5	8.3	9.4	-
SS_006	Sphere32	SS_010	Sphere32	22.4	10.5	19.8	-
SS_006	sp4	SS_010	sp4	7.1	2.5	6.7	-
SS_006	sp3	SS_010	sp3	4.9	4.0	2.8	-
SS_006	Sphere45	SS_010	Sphere45	13.6	13.4	2.2	-
SS_006	Sphere42	SS_010	Sphere42	13.9	2.6	13.6	-

SS_006	Sphere44	SS_017	Sphere44	6.1	5.5	2.5	-
SS_006	Sphere45	SS_017	Sphere45	5.8	5.2	2.5	-
SS_006	Sphere44	SS_000	Sphere44	4.8	4.3	2.0	-
SS_006	Sphere32	SS_000	Sphere32	9.6	6.9	6.7	-
SS_006	sp3	SS_000	Sphere10	5.4	5.0	2.2	-
SS_006	sp4	SS_008	sp4	6.9	4.1	5.6	-
SS_006	Sphere28	SS_008	Sphere28	13.0	12.7	2.9	-
SS_006	Sphere32	SS_016	Sphere32	5.2	4.3	3.0	-
SS_006	Sphere46	SS_016	Sphere46	17.0	15.0	7.9	-
SS_006	sp4	SS_011	Sphere38	13.3	12.7	4.0	-
SS_007	Sphere28	SS_001	Sphere28	18.5	3.8	18.1	-
SS_007	Sphere31	SS_001	Sphere31	11.0	9.6	5.4	-
SS_007	sp3	SS_001	Sphere10	13.0	12.9	1.5	-
SS_007	Sphere57	SS_010	Sphere57	5.4	4.3	3.2	-
SS_007	sp3	SS_010	sp3	3.8	1.9	3.3	-
SS_007	sp4	SS_010	sp4	3.3	3.3	0.5	-
SS_007	sp3	SS_000	Sphere10	8.3	7.8	2.6	-
SS_007	sp4	SS_009	sp4	7.8	4.2	6.6	-
SS_007	Sphere28	SS_008	Sphere28	4.4	4.2	1.2	-
SS_007	sp4	SS_011	Sphere38	14.5	14.4	2.2	-
SS_008	Sphere32	SS_001	Sphere32	14.4	11.5	8.8	-
SS_008	Sphere55	SS_007	Sphere55	6.7	3.9	5.5	-
SS_008	sp4	SS_007	sp4	5.3	5.3	0.6	-
SS_008	Sphere32	SS_007	Sphere32	9.9	3.9	9.1	-
SS_008	Sphere32	SS_006	Sphere32	7.8	3.5	6.9	-
SS_008	sp4	SS_011	Sphere38	11.1	11.0	1.6	-
SS_008	Sphere59	SS_016	Sphere59	11.0	3.0	10.6	-
SS_008	Sphere32	SS_016	Sphere32	10.0	0.9	9.9	-
SS_008	Sphere39	SS_016	Sphere39	6.1	5.7	2.3	-
SS_008	Sphere32	SS_000	Sphere32	16.5	9.4	13.6	-
SS_008	Sphere65	SS_009	Sphere65	10.5	10.3	2.2	-
SS_008	Sphere66	SS_009	Sphere66	4.2	3.3	2.6	-
SS_008	Sphere32	SS_009	Sphere32	6.9	0.8	6.9	-
SS_008	sp4	SS_009	sp4	7.2	1.1	7.1	-
SS_008	Sphere74	SS_009	Sphere74	8.4	8.1	2.1	-
SS_008	Sphere65	SS_027	Sphere65	6.1	5.4	2.7	-
SS_008	Sphere68	SS_027	Sphere68	7.5	6.9	2.9	-
SS_008	Sphere66	SS_010	Sphere66	5.0	3.4	3.7	-
SS_008	Sphere32	SS_010	Sphere32	14.7	7.2	12.9	-
SS_008	sp4	SS_010	sp4	2.4	2.2	1.1	-
SS_008	Sphere74	SS_010	Sphere74	8.2	8.0	1.4	-

SS_008	Sphere32	SS_018bis	Sphere32	17.0	9.8	13.9	-
SS_008	Sphere39	SS_018bis	Sphere39	8.0	7.0	3.8	-
SS_008	Sphere39	SS_026	Sphere65	5.8	5.5	1.6	-
SS_008	Sphere74	SS_026	Sphere303	6.9	3.6	5.8	-
SS_008	Sphere74	SS_025	Sphere303	16.2	16.2	0.7	-
SS_009	sp3	SS_001	Sphere10	12.9	12.4	3.5	-
SS_009	Sphere34	SS_007	Sphere34	14.1	13.9	2.7	-
SS_009	sp3	SS_007	sp3	2.8	1.9	2.0	-
SS_009	Sphere32	SS_007	Sphere32	4.7	4.1	2.2	-
SS_009	Sphere34	SS_006	Sphere34	7.0	6.4	2.8	-
SS_009	Sphere70	SS_008	Sphere70	6.6	6.2	2.3	-
SS_009	Sphere41	SS_012	Sphere124	18.2	16.4	7.9	-
SS_009	Sphere85	SS_012	Sphere125	14.5	14.4	1.9	-
SS_009	Sphere41	SS_011	Sphere124	15.4	14.1	6.2	-
SS_009	Sphere41	SS_013	Sphere124	18.3	18.2	2.1	-
SS_009	Sphere85	SS_013	Sphere125	23.5	22.7	6.2	-
SS_009	Sphere32	SS_016	Sphere32	3.3	1.4	3.0	-
SS_009	Sphere41	SS_022	Sphere166	16.2	16.2	1.0	-
SS_009	Sphere85	SS_022	Sphere41	17.9	17.8	0.9	-
SS_009	Sphere96	SS_022	Sphere93	14.0	13.9	1.7	-
SS_009	Sphere41	SS_023	Sphere166	9.9	9.3	3.5	-
SS_009	Sphere85	SS_023	Sphere41	13.0	12.2	4.6	-
SS_009	Sphere98	SS_023	Sphere71	35.3	33.1	12.2	-
SS_009	Sphere41	SS_025	Sphere166	15.2	15.2	0.8	-
SS_009	Sphere85	SS_025	Sphere41	7.3	6.9	2.6	-
SS_009	Sphere41	SS_026	Sphere166	10.7	10.7	0.1	-
SS_009	Sphere85	SS_026	Sphere41	4.9	4.7	1.2	-
SS_009	Sphere41	SS_027	Sphere41	9.5	6.6	6.8	-
SS_009	Sphere95	SS_027	Sphere95	12.0	11.9	1.5	-
SS_009	Sphere41	SS_029B	Sphere166	11.8	11.3	3.2	-
SS_009	Sphere85	SS_029B	Sphere41	7.7	7.7	0.8	-
SS_009	Sphere41	SS_029C	Sphere166	16.5	14.7	7.6	-
SS_009	Sphere85	SS_029C	Sphere41	14.0	13.3	4.6	-
SS_009	Sphere85	SS_018	Sphere197	19.9	19.6	3.5	-
SS_009	Sphere85	SS_021	Sphere197	15.1	14.6	4.0	-
SS_009	Sphere34	SS_010	Sphere34	2.8	0.7	2.7	-
SS_009	Sphere32	SS_010	Sphere32	21.3	7.9	19.8	-
SS_009	Sphere44	SS_010	Sphere44	1.3	0.6	1.2	-
SS_009	sp3	SS_010	sp3	1.3	0.4	1.3	-
SS_009	Sphere18	SS_000	Sphere18	16.1	13.3	9.2	-

SS_009	Sphere32	SS_000	Sphere32	11.5	9.3	6.7	-
SS_009	Sphere44	SS_000	Sphere44	12.5	7.3	10.2	-
SS_009	sp3	SS_000	Sphere10	9.2	9.2	0.6	-
SS_009	Sphere44	SS_017	Sphere44	7.6	5.1	5.7	-
SS_009	Sphere97	SS_017	Sphere97	2.7	1.5	2.2	-
SS_009	Sphere97	SS_039	Sphere46	20.3	16.8	11.4	-
SS_010	Sphere31	SS_001	Sphere31	7.9	7.2	3.4	-
SS_010	sp3	SS_001	Sphere10	12.9	12.0	4.8	-
SS_010	Sphere31	SS_007	Sphere31	3.1	2.4	2.0	-
SS_010	Sphere34	SS_007	Sphere34	14.4	14.4	0.0	-
SS_010	Sphere32	SS_007	Sphere32	22.7	5.7	22.0	-
SS_010	Sphere34	SS_006	Sphere34	7.1	7.1	0.1	-
SS_010	Sphere128	SS_008	Sphere128	16.1	12.0	10.7	-
SS_010	Sphere70	SS_008	Sphere70	8.1	8.1	0.4	-
SS_010	Sphere86	SS_009	Sphere86	3.8	2.3	3.0	-
SS_010	sp4	SS_009	sp4	6.2	1.1	6.1	-
SS_010	Sphere70	SS_009	Sphere70	4.0	3.0	2.7	-
SS_010	Sphere74	SS_009	Sphere74	4.6	3.0	3.5	-
SS_010	Sphere93	SS_009	Sphere93	3.2	3.0	1.1	-
SS_010	Sphere94	SS_009	Sphere94	4.4	4.4	0.8	-
SS_010	Sphere66	SS_009	Sphere66	1.2	0.3	1.1	-
SS_010	Sphere32	SS_016	Sphere32	23.7	6.6	22.8	-
SS_010	Sphere128	SS_018bis	Sphere128	11.0	11.0	0.1	-
SS_010	Sphere32	SS_000	Sphere32	30.3	14.6	26.5	-
SS_010	Sphere44	SS_017	Sphere44	8.3	4.6	6.9	-
SS_010	Sphere70	SS_027	Sphere70	17.0	16.3	4.8	-
SS_010	Sphere101	SS_027	Sphere101	6.4	5.6	3.0	-
SS_010	Sphere74	SS_026	Sphere303	13.7	11.6	7.3	-
SS_011	Sphere35	SS_004	Sphere59	10.8	10.8	1.3	-
SS_011	Sphere8	SS_004	Sphere36	28.6	28.5	2.5	-
SS_011	Sphere35	SS_005	Sphere35	12.9	12.9	0.4	-
SS_011	Sphere8	SS_005	Sphere8	38.4	38.3	3.0	-
SS_011	Sphere35	SS_008	Sphere59	12.1	7.4	9.5	-
SS_011	Sphere75	SS_008	Sphere34	6.4	1.3	6.3	-
SS_011	Sphere71	SS_009	Sphere86	16.5	16.4	2.1	-
SS_011	Sphere38	SS_009	sp4	14.6	11.7	8.7	-
SS_011	Sphere35	SS_012	Sphere35	3.3	2.9	1.6	-
SS_011	Sphere124	SS_012	Sphere124	3.6	3.2	1.7	-
SS_011	Sphere115	SS_012	Sphere115	4.1	1.9	3.6	-
SS_011	Sphere35	SS_015	Sphere35	6.7	6.6	0.8	-
SS_011	Sphere8	SS_013	Sphere8	10.5	10.5	1.0	-

SS_011	Sphere35	SS_016	Sphere59	4.9	4.8	1.1	-
SS_011	Sphere38	SS_010	sp4	12.9	12.6	2.7	-
SS_011	Sphere71	SS_010	Sphere86	18.2	17.4	5.0	-
SS_011	Sphere75	SS_000	sp2	27.8	24.4	13.4	-
SS_011	Sphere120	SS_018bis	Sphere219	16.8	16.6	2.2	-
SS_011	Sphere127	SS_018bis	Sphere179	3.6	3.4	1.3	-
SS_011	Sphere122	SS_021	Sphere275	5.3	4.8	2.3	-
SS_011	Sphere126	SS_021	Sphere272	16.8	16.8	0.5	-
SS_011	Sphere127	SS_023	Sphere322	12.6	12.6	0.2	-
SS_011	Sphere127	SS_025	Sphere322	13.9	13.9	0.9	-
SS_011	Sphere124	SS_026	Sphere166	7.1	3.4	6.3	-
SS_011	Sphere120	SS_026	Sphere184	7.9	7.4	2.7	-
SS_011	Sphere124	SS_027	Sphere41	20.1	20.1	0.7	-
SS_011	Sphere120	SS_029B	Sphere184	5.0	4.6	2.1	-
SS_011	Sphere127	SS_020	Sphere239	14.9	14.8	0.6	-
SS_011	Sphere132	SS_020	Sphere243	3.5	2.5	2.5	-
SS_011	Sphere120	SS_039	Sphere184	15.4	14.3	5.5	-
SS_011	Sphere127	SS_014	Sphere127	14.2	14.2	0.5	-
SS_012	Sphere35	SS_004	Sphere59	12.9	12.6	2.9	-
SS_012	Sphere35	SS_005	Sphere35	11.8	11.6	2.0	-
SS_012	Sphere35	SS_008	Sphere59	14.8	9.8	11.1	-
SS_012	Sphere127	SS_011	Sphere127	17.0	16.2	5.1	-
SS_012	Sphere35	SS_015	Sphere35	4.6	3.9	2.4	-
SS_012	Sphere146	SS_015	Sphere146	10.3	10.2	1.8	-
SS_012	Sphere127	SS_015	Sphere127	9.0	8.9	1.4	-
SS_012	Sphere35	SS_016	Sphere59	7.5	7.5	0.5	-
SS_012	Sphere140	SS_013	Sphere140	5.9	5.3	2.6	-
SS_012	Sphere83	SS_013	Sphere83	3.2	1.1	3.0	-
SS_012	Sphere143	SS_013	Sphere143	20.1	18.6	7.8	-
SS_012	Sphere146	SS_013	Sphere146	3.1	3.1	0.6	-
SS_012	Sphere125	SS_013	Sphere125	10.2	9.2	4.2	-
SS_012	Sphere151	SS_013	Sphere151	9.5	8.6	4.2	-
SS_012	Sphere143	SS_020	Sphere255	6.1	5.1	3.4	-
SS_012	Sphere127	SS_020	Sphere239	4.9	2.1	4.5	-
SS_012	Sphere143	SS_022	Sphere297	6.9	6.7	1.7	-
SS_012	Sphere125	SS_022	Sphere41	21.0	21.0	1.0	-
SS_012	Sphere127	SS_023	Sphere322	12.2	11.0	5.3	-
SS_012	Sphere125	SS_023	Sphere41	22.8	22.6	2.7	-
SS_012	Sphere127	SS_025	Sphere322	6.9	3.6	5.9	-
SS_012	Sphere125	SS_026	Sphere41	10.2	9.7	3.1	-
SS_012	Sphere124	SS_027	Sphere41	22.0	21.9	1.0	-

SS_012	Sphere125	SS_029B	Sphere41	7.0	6.9	1.2	-
SS_012	Sphere125	SS_029C	Sphere41	24.2	24.1	2.7	-
SS_012	Sphere100	SS_021	Sphere284	26.6	26.6	0.2	-
SS_012	Sphere127	SS_021	Sphere239	3.9	3.9	0.0	-
SS_012	Sphere125	SS_021	Sphere197	3.1	2.3	2.1	-
SS_012	Sphere151	SS_021	Sphere285	11.7	9.9	6.3	-
SS_012	Sphere127	SS_014	Sphere127	7.4	5.0	5.5	-
SS_012	Sphere127	SS_018bis	Sphere179	17.8	16.6	6.3	-
SS_012	Sphere127	SS_019	Sphere239	6.4	5.2	3.7	-
SS_013	Sphere8	SS_004	Sphere36	37.5	37.3	3.5	-
SS_013	Sphere8	SS_005	Sphere8	46.2	46.0	3.9	-
SS_013	Sphere124	SS_012	Sphere124	6.6	3.1	5.8	-
SS_013	Sphere127	SS_012	Sphere127	2.1	1.6	1.4	-
SS_013	Sphere124	SS_011	Sphere124	7.4	6.2	4.1	-
SS_013	Sphere130	SS_011	Sphere130	14.9	14.9	0.5	-
SS_013	Sphere123	SS_011	Sphere123	48.9	48.7	4.2	-
SS_013	Sphere127	SS_011	Sphere127	16.4	16.0	3.7	-
SS_013	Sphere128	SS_011	Sphere128	10.7	10.3	3.1	-
SS_013	Sphere127	SS_014	Sphere127	7.5	6.2	4.1	-
SS_013	Sphere164	SS_014	Sphere164	24.4	24.1	3.8	-
SS_013	Sphere127	SS_015	Sphere127	9.4	9.4	0.0	-
SS_013	Sphere124	SS_022	Sphere166	15.0	15.0	1.0	-
SS_013	Sphere157	SS_022	Sphere310	3.9	2.6	2.9	-
SS_013	Sphere143	SS_022	Sphere297	18.6	16.0	9.5	-
SS_013	Sphere137	SS_022	Sphere449	6.4	2.8	5.8	-
SS_013	Sphere125	SS_023	Sphere41	28.3	28.2	1.6	-
SS_013	Sphere127	SS_023	Sphere322	10.4	9.6	3.9	-
SS_013	Sphere124	SS_025	Sphere166	6.3	5.6	2.8	-
SS_013	Sphere127	SS_025	Sphere322	5.2	2.5	4.5	-
SS_013	Sphere124	SS_026	Sphere166	8.5	8.2	2.2	-
SS_013	Sphere125	SS_026	Sphere41	19.8	18.4	7.3	-
SS_013	Sphere124	SS_027	Sphere41	23.7	23.2	4.8	-
SS_013	Sphere124	SS_029B	Sphere166	8.0	7.9	1.1	-
SS_013	Sphere125	SS_029C	Sphere41	29.7	29.6	1.6	-
SS_013	Sphere128	SS_021	Sphere287	4.2	3.1	2.8	-
SS_013	Sphere127	SS_021	Sphere239	3.4	3.1	1.4	-
SS_013	Sphere127	SS_020	Sphere239	3.3	1.2	3.1	-
SS_013	Sphere143	SS_020	Sphere255	14.6	13.9	4.4	-
SS_013	Sphere137	SS_020	Sphere227	4.0	4.0	0.4	-
SS_013	Sphere127	SS_018bis	Sphere179	16.8	16.1	4.9	-
SS_013	Sphere127	SS_019	Sphere239	7.4	5.4	5.1	-

SS_013	Sphere164	SS_019	Sphere233	15.6	13.9	7.1	-
SS_013	Sphere164	SS_029D	Sphere164	39.7	39.4	5.0	-
SS_013	Sphere164	SS_030	Sphere430	42.6	41.7	8.8	-
SS_013	Sphere163	SS_030	Sphere436	12.6	12.6	0.4	-
SS_013	Sphere137	SS_031	c3	2669.6	2669.6	0.1	-
SS_013	Sphere137	SS_034	c3	8.6	8.1	2.9	-
SS_014	Sphere146	SS_012	Sphere146	11.8	11.7	2.0	-
SS_014	Sphere169	SS_021	Sphere234	11.7	11.5	2.3	-
SS_014	Sphere169	SS_029D	Sphere169	19.8	19.8	0.9	-
SS_014	Sphere274	SS_030	Sphere440	11.7	10.8	4.4	-
SS_014	Sphere164	SS_030	Sphere430	61.3	60.0	12.5	-
SS_014	Sphere169	SS_022	Sphere295	10.3	10.0	2.1	-
SS_014	Sphere169	SS_019	Sphere234	11.4	9.1	6.8	-
SS_014	Sphere169	SS_020	Sphere234	9.7	5.8	7.7	-
SS_014	Sphere146	SS_015	Sphere146	5.9	4.5	3.7	-
SS_014	Sphere146	SS_013	Sphere146	13.7	13.5	2.6	-
SS_015	Sphere8	SS_004	Sphere36	56.3	55.8	7.6	-
SS_015	Sphere35	SS_005	Sphere35	9.0	9.0	0.4	-
SS_015	Sphere8	SS_005	Sphere8	62.2	61.8	7.1	-
SS_015	Sphere35	SS_008	Sphere59	15.0	12.2	8.7	-
SS_015	Sphere8	SS_011	Sphere8	35.0	33.5	10.1	-
SS_015	Sphere98	SS_011	Sphere98	11.0	5.0	9.8	-
SS_015	Sphere130	SS_011	Sphere130	14.2	12.7	6.5	-
SS_015	Sphere127	SS_011	Sphere127	9.7	8.9	3.7	-
SS_015	Sphere127	SS_014	Sphere127	6.9	5.5	4.1	-
SS_015	Sphere35	SS_016	Sphere59	10.7	10.6	1.9	-
SS_015	Sphere8	SS_013	Sphere8	26.0	23.5	11.0	-
SS_015	Sphere146	SS_013	Sphere146	12.8	12.7	1.1	-
SS_015	Sphere130	SS_013	Sphere130	23.6	22.8	6.0	-
SS_015	Sphere127	SS_018bis	Sphere179	11.9	10.8	5.0	-
SS_015	Sphere127	SS_019	Sphere239	6.5	4.1	5.0	-
SS_015	Sphere127	SS_020	Sphere239	9.0	8.4	3.1	-
SS_015	Sphere130	SS_020	Sphere196	21.1	21.0	1.8	-
SS_015	Sphere127	SS_021	Sphere239	7.6	7.5	1.4	-
SS_015	Sphere127	SS_023	Sphere322	12.8	12.2	3.9	-
SS_015	Sphere127	SS_025	Sphere322	9.4	8.3	4.6	-
SS_015	Sphere98	SS_022	Sphere86	23.9	21.9	9.6	-
SS_015	Sphere130	SS_018	Sphere196	10.1	6.7	7.5	-
SS_016	sp4	SS_001	sp4	13.7	13.0	4.5	-
SS_016	Sphere34	SS_001	sp2	13.2	12.6	4.0	-
SS_016	sp4	SS_004	Sphere1	14.1	13.8	2.4	-

SS_016	sp4	SS_005	Sphere38	12.2	10.2	6.8	-
SS_016	sp4	SS_007	sp4	7.7	7.6	1.1	-
SS_016	Sphere32	SS_007	Sphere32	3.1	3.0	0.8	-
SS_016	sp4	SS_006	sp4	8.0	6.2	5.0	-
SS_016	sp4	SS_008	sp4	2.6	2.5	0.6	-
SS_016	Sphere34	SS_008	Sphere34	7.0	6.9	0.9	-
SS_016	Sphere74	SS_008	Sphere74	7.0	5.0	5.0	-
SS_016	Sphere41	SS_009	Sphere41	3.3	2.4	2.2	-
SS_016	Sphere85	SS_009	Sphere85	4.4	3.2	3.1	-
SS_016	sp4	SS_009	sp4	8.5	3.6	7.7	-
SS_016	Sphere74	SS_009	Sphere74	5.4	4.5	2.9	-
SS_016	Sphere93	SS_009	Sphere93	4.1	3.6	1.9	-
SS_016	Sphere41	SS_012	Sphere124	16.5	15.5	5.6	-
SS_016	Sphere179	SS_012	Sphere127	15.1	13.9	5.8	-
SS_016	Sphere85	SS_012	Sphere125	17.5	17.5	1.2	-
SS_016	sp4	SS_011	Sphere38	9.0	8.9	1.0	-
SS_016	Sphere34	SS_011	Sphere75	8.0	5.9	5.4	-
SS_016	Sphere41	SS_011	Sphere124	13.5	12.9	3.9	-
SS_016	Sphere179	SS_011	Sphere127	10.1	10.1	0.8	-
SS_016	sp4	SS_010	sp4	4.9	4.7	1.6	-
SS_016	Sphere74	SS_010	Sphere74	9.0	6.3	6.4	-
SS_016	Sphere93	SS_010	Sphere93	4.5	4.4	0.8	-
SS_016	Sphere179	SS_014	Sphere127	15.3	15.3	0.3	-
SS_016	Sphere179	SS_015	Sphere127	13.4	12.6	4.4	-
SS_016	Sphere41	SS_013	Sphere124	17.7	17.7	0.2	-
SS_016	Sphere85	SS_013	Sphere125	25.7	25.5	3.1	-
SS_016	Sphere179	SS_013	Sphere127	13.5	12.8	4.4	-
SS_016	Sphere179	SS_018bis	Sphere179	7.5	7.4	0.5	-
SS_016	Sphere34	SS_018bis	Sphere34	9.8	9.4	2.8	-
SS_016	Sphere179	SS_019	Sphere239	14.5	11.0	9.5	-
SS_016	Sphere179	SS_020	Sphere239	11.9	11.9	1.3	-
SS_016	Sphere179	SS_021	Sphere239	11.6	10.0	5.8	-
SS_016	Sphere85	SS_021	Sphere197	17.5	17.5	0.9	-
SS_016	Sphere179	SS_023	Sphere322	4.1	4.0	0.5	-
SS_016	Sphere188	SS_023	Sphere95	25.5	25.1	4.6	-
SS_016	Sphere41	SS_023	Sphere166	11.7	11.6	1.2	-
SS_016	Sphere160	SS_023	Sphere112	4.2	3.8	1.8	-
SS_016	Sphere85	SS_023	Sphere41	10.5	10.4	1.5	-
SS_016	Sphere179	SS_025	Sphere322	10.4	10.4	0.1	-
SS_016	Sphere74	SS_025	Sphere303	17.1	16.2	5.6	-
SS_016	Sphere41	SS_025	Sphere166	15.7	15.4	3.0	-



SS_016	Sphere85	SS_025	Sphere41	9.6	7.7	5.7	-
SS_016	Sphere34	SS_000	sp2	26.3	18.4	18.8	-
SS_016	Sphere32	SS_000	Sphere32	10.9	10.2	3.7	-
SS_016	Sphere74	SS_026	Sphere303	7.7	7.7	0.9	-
SS_016	Sphere41	SS_026	Sphere166	10.0	9.7	2.4	-
SS_016	Sphere85	SS_026	Sphere41	9.0	7.9	4.3	-
SS_016	Sphere41	SS_027	Sphere41	10.0	8.9	4.6	-
SS_016	Sphere185	SS_022	Sphere302	17.8	17.6	3.1	-
SS_016	Sphere74	SS_022	Sphere303	15.2	15.2	0.3	-
SS_016	Sphere41	SS_022	Sphere166	17.7	17.7	1.2	-
SS_016	Sphere85	SS_022	Sphere41	18.1	17.9	2.2	-
SS_016	Sphere41	SS_029B	Sphere166	10.3	10.2	0.9	-
SS_016	Sphere85	SS_029B	Sphere41	11.1	10.8	2.3	-
SS_016	Sphere41	SS_029C	Sphere166	17.7	16.8	5.3	-
SS_016	Sphere85	SS_029C	Sphere41	11.4	11.3	1.5	-
SS_016	Sphere85	SS_018	Sphere197	22.5	22.5	0.4	-
SS_017	Sphere34	SS_001	Sphere34	12.1	11.8	3.0	-
SS_017	Sphere18	SS_001	Sphere18	18.3	17.5	5.5	-
SS_017	Sphere34	SS_004	Sphere34	15.1	15.1	1.0	-
SS_017	Sphere56	SS_007	Sphere56	19.4	18.0	7.2	-
SS_017	Sphere34	SS_007	Sphere34	12.9	12.5	3.1	-
SS_017	Sphere34	SS_006	Sphere34	6.6	5.8	3.3	-
SS_017	Sphere46	SS_006	Sphere46	6.7	1.1	6.6	-
SS_017	Sphere18	SS_009	Sphere18	11.2	11.1	1.6	-
SS_017	Sphere34	SS_009	Sphere34	1.7	1.6	0.5	-
SS_017	Sphere96	SS_009	Sphere96	13.5	12.4	5.3	-
SS_017	Sphere45	SS_010	Sphere45	9.7	8.5	4.8	-
SS_017	Sphere34	SS_010	Sphere34	3.7	1.9	3.2	-
SS_017	Sphere46	SS_016	Sphere46	16.1	16.1	1.3	-
SS_017	Sphere189	SS_027	Sphere189	14.0	14.0	0.5	-
SS_017	Sphere96	SS_022	Sphere93	23.8	23.5	3.7	-
SS_017	Sphere46	SS_022	Sphere96	34.4	34.0	5.3	-
SS_017	Sphere34	SS_000	Sphere34	8.6	8.4	2.0	-
SS_017	Sphere18	SS_000	Sphere18	21.1	19.7	7.6	-
SS_017	Sphere97	SS_039	Sphere46	20.1	17.9	9.1	-
SS_018	Sphere202	SS_012	Sphere83	3.2	1.2	3.0	-
SS_018	Sphere197	SS_012	Sphere125	6.7	6.5	1.6	-
SS_018	Sphere196	SS_011	Sphere130	13.5	13.4	1.0	-
SS_018	Sphere197	SS_013	Sphere125	4.0	3.0	2.6	-
SS_018	Sphere196	SS_013	Sphere130	18.6	18.6	1.6	-
SS_018	Sphere198	SS_013	Sphere166	10.5	9.7	3.9	-

SS_018	Sphere202	SS_013	Sphere83	1.7	1.7	0.0	-
SS_018	spx2	SS_031	spx2	6979.8	6967.0	422.4	-
SS_018	sp9	SS_019	sp9	14.5	14.5	1.1	-
SS_018	Sphere200	SS_019	Sphere200	13.2	13.2	0.6	-
SS_018	Sphere225	SS_019	sp10	9.0	8.6	2.5	-
SS_018	sp9	SS_020	sp9	16.1	16.1	0.3	-
SS_018	Sphere196	SS_020	Sphere196	16.9	15.9	5.8	-
SS_018	Sphere225	SS_020	sp10	7.3	7.2	0.5	-
SS_018	Sphere197	SS_022	Sphere41	21.1	21.0	2.6	-
SS_018	Sphere197	SS_021	Sphere197	5.2	5.2	0.5	-
SS_018	Sphere197	SS_023	Sphere41	25.5	25.5	1.1	-
SS_018	Sphere200	SS_023	Sphere298	17.3	12.5	11.9	-
SS_018	Sphere225	SS_023	Sphere323	12.8	11.8	4.8	-
SS_018	Sphere197	SS_026	Sphere41	16.1	15.4	4.7	-
SS_018	Sphere197	SS_029B	Sphere41	13.1	12.8	2.8	-
SS_018	Sphere197	SS_029C	Sphere41	26.9	26.9	1.1	-
SS_018	Sphere225	SS_029D	Sphere418	11.6	11.3	2.6	-
SS_018	Sphere225	SS_029E	Sphere418	13.5	13.4	1.4	-
SS_018bis	Sphere34	SS_001	sp2	9.7	7.0	6.8	-
SS_018bis	Sphere32	SS_001	Sphere32	6.4	3.8	5.1	-
SS_018bis	Sphere32	SS_007	Sphere32	9.6	8.4	4.8	-
SS_018bis	Sphere32	SS_006	Sphere32	14.7	13.0	6.9	-
SS_018bis	Sphere68	SS_008	Sphere68	1.6	0.9	1.4	-
SS_018bis	Sphere34	SS_008	Sphere34	6.3	5.1	3.7	-
SS_018bis	Sphere128	SS_008	Sphere128	11.0	3.0	10.5	-
SS_018bis	Sphere32	SS_009	Sphere32	12.6	10.5	7.0	-
SS_018bis	Sphere34	SS_011	Sphere75	5.4	4.7	2.6	-
SS_018bis	Sphere32	SS_010	Sphere32	26.9	2.7	26.8	-
SS_018bis	Sphere179	SS_014	Sphere127	15.6	15.6	0.8	-
SS_018bis	Sphere39	SS_016	Sphere39	9.3	9.1	1.6	-
SS_018bis	Sphere32	SS_016	Sphere32	10.0	9.2	4.0	-
SS_018bis	Sphere34	SS_000	sp2	31.7	27.4	16.0	-
SS_018bis	Sphere32	SS_000	Sphere32	16.4	16.4	0.3	-
SS_018bis	Sphere39	SS_026	Sphere65	4.9	4.4	2.2	-
SS_018bis	Sphere208	SS_029B	Sphere373	11.7	11.7	0.9	-
SS_018bis	Sphere219	SS_029B	Sphere184	12.7	12.7	0.1	-
SS_018bis	Sphere208	SS_039	Sphere373	3.1	2.6	1.7	-
SS_018bis	Sphere68	SS_027	Sphere68	7.8	7.7	1.5	-
SS_018bis	Sphere179	SS_020	Sphere239	15.0	14.9	1.9	-
SS_019	Sphere239	SS_011	Sphere127	14.1	11.1	8.7	-
SS_019	Sphere239	SS_014	Sphere127	10.1	4.3	9.2	-

SS_019	Sphere233	SS_014	Sphere164	15.4	10.9	10.9	-
SS_019	Sphere238	SS_013	Sphere153	19.9	19.9	0.6	-
SS_019	Sphere227	SS_013	Sphere137	9.3	6.0	7.1	-
SS_019	c0	SS_031	c0	2799.4	2643.8	920.3	-
SS_019	Sphere227	SS_031	c3	2665.0	2665.0	7.0	-
SS_019	c0	SS_033	c0	2800.7	2647.7	913.0	-
SS_019	c0	SS_036	c0	2822.2	2667.8	920.9	-
SS_019	sp11	SS_020	sp11	7.8	7.7	1.0	-
SS_019	sp9	SS_020	sp9	9.8	9.8	0.8	-
SS_019	Sphere225	SS_020	Sphere225	13.1	12.7	3.2	-
SS_019	Sphere234	SS_020	Sphere234	4.0	3.9	0.9	-
SS_019	Sphere235	SS_020	Sphere235	3.0	2.4	1.9	-
SS_019	Sphere239	SS_020	Sphere239	9.2	4.4	8.1	-
SS_019	Sphere227	SS_020	Sphere227	7.3	2.9	6.7	-
SS_019	Sphere228	SS_020	Sphere228	20.7	18.2	9.7	-
SS_019	Sphere239	SS_021	Sphere239	5.0	3.4	3.6	-
SS_019	Sphere226	SS_021	sp11	11.6	11.6	0.6	-
SS_019	sp10	SS_023	Sphere323	13.0	12.8	2.3	-
SS_019	Sphere200	SS_023	Sphere298	18.3	14.4	11.4	-
SS_019	Sphere239	SS_023	Sphere322	13.0	9.4	8.9	-
SS_019	Sphere234	SS_029D	Sphere169	13.8	11.5	7.7	-
SS_019	Sphere233	SS_029D	Sphere164	51.0	50.9	2.1	-
SS_019	sp10	SS_029E	Sphere418	7.4	7.4	1.1	-
SS_019	Sphere239	SS_018bis	Sphere179	15.5	11.8	10.0	-
SS_019	Sphere227	SS_022	Sphere449	7.6	7.5	1.3	-
SS_019	Sphere234	SS_022	Sphere295	5.3	2.4	4.8	-
SS_019	Sphere239	SS_025	Sphere322	10.5	4.2	9.6	-
SS_019	Sphere227	SS_030	c3	17.7	14.9	9.6	-
SS_019	Sphere233	SS_030	Sphere430	53.3	53.2	1.6	-
SS_019	Sphere227	SS_034	c3	14.1	13.4	4.2	-
SS_020	Sphere247	SS_012	Sphere140	4.0	0.6	4.0	-
SS_020	Sphere196	SS_011	Sphere130	16.4	15.7	4.7	-
SS_020	Sphere239	SS_014	Sphere127	6.0	5.9	1.0	-
SS_020	Sphere196	SS_013	Sphere130	6.1	4.4	4.2	-
SS_020	Sphere198	SS_013	Sphere166	5.0	4.9	0.8	-
SS_020	Sphere247	SS_013	Sphere140	5.9	5.7	1.4	-
SS_020	Sphere198	SS_018	Sphere198	6.8	6.0	3.1	-
SS_020	Sphere200	SS_018	Sphere200	16.1	16.0	0.3	-
SS_020	sp10	SS_019	sp10	12.8	12.4	3.1	-
SS_020	Sphere200	SS_019	Sphere200	9.8	9.8	0.8	-

SS_020	Sphere226	SS_019	Sphere226	7.9	7.8	0.5	-
SS_020	Sphere227	SS_022	Sphere449	8.3	6.4	5.3	-
SS_020	Sphere253	SS_022	Sphere435	9.5	6.5	6.9	-
SS_020	Sphere234	SS_022	Sphere295	7.1	4.3	5.6	-
SS_020	sp10	SS_029E	Sphere418	13.4	13.3	2.0	-
SS_020	Sphere226	SS_021	sp11	5.3	5.1	1.1	-
SS_020	Sphere250	SS_021	Sphere250	1.2	1.0	0.7	-
SS_020	sp10	SS_023	Sphere323	8.3	6.3	5.4	-
SS_020	Sphere200	SS_023	Sphere298	14.7	8.2	12.2	-
SS_020	sp10	SS_029D	Sphere418	9.4	8.8	3.1	-
SS_020	Sphere234	SS_029D	Sphere169	16.4	14.0	8.6	-
SS_020	Sphere226	SS_029D	Sphere410	9.6	9.4	1.5	-
SS_020	Sphere226	SS_025	Sphere296	11.7	11.7	0.2	-
SS_020	Sphere245	SS_039	Sphere525	46.6	43.7	16.3	-
SS_020	Sphere227	SS_031	c3	2667.9	2667.9	0.3	-
SS_020	Sphere227	SS_034	c3	12.3	12.1	2.5	-
SS_021	Sphere239	SS_011	Sphere127	14.0	13.1	5.1	-
SS_021	Sphere287	SS_011	Sphere128	14.4	13.1	5.9	-
SS_021	Sphere243	SS_011	Sphere132	5.0	4.6	1.9	-
SS_021	Sphere277	SS_014	Sphere274	10.4	6.0	8.4	-
SS_021	Sphere282	SS_014	Sphere170	11.9	11.9	0.9	-
SS_021	Sphere239	SS_014	Sphere127	8.4	6.4	5.5	-
SS_021	Sphere286	SS_015	Sphere173	19.6	19.6	0.5	-
SS_021	Sphere285	SS_013	Sphere151	2.6	1.6	2.0	-
SS_021	Sphere197	SS_013	Sphere125	8.5	8.2	2.1	-
SS_021	Sphere200	SS_018	Sphere200	14.6	14.5	1.2	-
SS_021	Sphere225	SS_018	Sphere225	9.1	9.1	1.0	-
SS_021	Sphere225	SS_019	sp10	13.2	12.7	3.5	-
SS_021	Sphere200	SS_019	Sphere200	10.4	10.4	0.7	-
SS_021	Sphere234	SS_019	Sphere234	5.2	2.4	4.5	-
SS_021	Sphere239	SS_018bis	Sphere179	14.5	13.0	6.4	-
SS_021	Sphere197	SS_022	Sphere41	19.4	19.1	3.1	-
SS_021	Sphere253	SS_022	Sphere435	7.9	7.5	2.6	-
SS_021	Sphere234	SS_022	Sphere295	2.5	2.5	0.2	-
SS_021	Sphere225	SS_020	sp10	2.4	2.4	0.4	-
SS_021	Sphere200	SS_020	Sphere200	2.7	2.3	1.5	-
SS_021	Sphere234	SS_020	Sphere234	8.1	6.1	5.4	-
SS_021	Sphere241	SS_020	Sphere241	3.0	2.6	1.5	-
SS_021	Sphere239	SS_020	Sphere239	4.9	1.9	4.5	-
SS_021	Sphere253	SS_020	Sphere253	11.2	10.4	4.3	-
SS_021	Sphere243	SS_020	Sphere243	2.4	2.4	0.5	-

SS_021	Sphere200	SS_023	Sphere298	12.2	6.0	10.7	-
SS_021	Sphere239	SS_023	Sphere322	9.1	7.3	5.3	-
SS_021	Sphere225	SS_023	Sphere323	7.1	4.0	5.8	-
SS_021	Sphere197	SS_023	Sphere41	21.6	21.6	0.6	-
SS_021	Sphere239	SS_025	Sphere322	6.0	0.8	6.0	-
SS_021	Sphere197	SS_029B	Sphere41	8.3	7.6	3.3	-
SS_021	Sphere225	SS_029D	Sphere418	8.2	7.4	3.6	-
SS_021	Sphere268	SS_029D	Sphere414	5.0	4.7	1.7	-
SS_021	Sphere234	SS_029D	Sphere169	9.8	9.3	3.1	-
SS_021	Sphere277	SS_029D	Sphere274	7.7	7.6	0.9	-
SS_021	Sphere225	SS_029E	Sphere418	12.4	12.2	2.4	-
SS_021	Sphere243	SS_039	Sphere529	7.8	6.5	4.4	-
SS_021	Sphere197	SS_026	Sphere41	11.5	10.2	5.2	-
SS_021	Sphere197	SS_029C	Sphere41	23.1	23.1	0.6	-
SS_021	Sphere277	SS_030	Sphere440	9.0	8.1	4.0	-
SS_022	Sphere96	SS_006	Sphere46	35.0	32.9	11.9	-
SS_022	Sphere303	SS_009	Sphere74	17.7	17.4	3.2	-
SS_022	Sphere303	SS_008	Sphere74	19.6	18.9	5.3	-
SS_022	Sphere166	SS_012	Sphere124	17.5	16.1	6.9	-
SS_022	Sphere86	SS_011	Sphere98	20.8	20.8	0.1	-
SS_022	Sphere166	SS_011	Sphere124	17.7	17.0	5.1	-
SS_022	Sphere303	SS_010	Sphere74	21.4	20.4	6.7	-
SS_022	Sphere41	SS_013	Sphere125	23.6	23.0	5.3	-
SS_022	Sphere96	SS_016	Sphere46	18.8	18.4	4.0	-
SS_022	Sphere298	SS_018	Sphere200	15.9	15.7	2.4	-
SS_022	Sphere188	SS_018bis	Sphere223	39.1	38.8	4.6	-
SS_022	Sphere298	SS_019	Sphere200	9.8	9.3	3.0	-
SS_022	Sphere296	SS_019	Sphere226	16.1	14.4	7.2	-
SS_022	Sphere298	SS_020	Sphere200	2.2	0.5	2.1	-
SS_022	Sphere296	SS_020	Sphere226	12.7	10.8	6.7	-
SS_022	Sphere297	SS_020	Sphere255	9.1	7.5	5.1	-
SS_022	Sphere298	SS_021	Sphere200	4.3	2.3	3.7	-
SS_022	Sphere296	SS_021	sp11	10.1	6.5	7.8	-
SS_022	Sphere298	SS_023	Sphere298	16.5	8.2	14.4	-
SS_022	Sphere41	SS_023	Sphere41	11.4	10.8	3.7	-
SS_022	Sphere296	SS_023	Sphere296	6.2	4.7	4.1	-
SS_022	Sphere139	SS_023	Sphere139	4.2	2.9	3.1	-
SS_022	Sphere296	SS_025	Sphere296	23.4	22.4	6.5	-
SS_022	Sphere174	SS_025	Sphere174	18.3	15.3	10.0	-
SS_022	Sphere166	SS_025	Sphere166	9.6	9.4	1.8	-
SS_022	Sphere307	SS_025	Sphere307	5.8	5.8	0.2	-

SS_022	Sphere303	SS_025	Sphere303	14.7	13.5	5.9	-
SS_022	Sphere139	SS_025	Sphere139	9.7	9.5	2.1	-
SS_022	Sphere41	SS_026	Sphere41	18.7	18.5	2.0	-
SS_022	Sphere166	SS_026	Sphere166	15.2	15.1	1.1	-
SS_022	Sphere303	SS_026	Sphere303	19.2	19.2	0.6	-
SS_022	Sphere41	SS_029B	Sphere41	19.3	19.3	0.1	-
SS_022	Sphere166	SS_029B	Sphere166	15.8	15.6	2.2	-
SS_022	Sphere41	SS_029C	Sphere41	12.2	11.6	3.7	-
SS_022	Sphere314	SS_029C	Sphere314	12.2	11.9	2.3	-
SS_022	Sphere315	SS_029C	Sphere315	8.8	8.7	0.7	-
SS_022	Sphere296	SS_029D	Sphere410	18.6	17.8	5.2	-
SS_022	Sphere295	SS_029D	Sphere169	10.2	9.8	2.9	-
SS_022	Sphere166	SS_027	Sphere41	17.6	16.6	5.8	-
SS_023	Sphere325	SS_009	Sphere92	10.0	8.9	4.4	-
SS_023	Sphere166	SS_012	Sphere124	20.4	19.9	4.4	-
SS_023	Sphere166	SS_011	Sphere124	19.1	18.9	2.7	-
SS_023	Sphere322	SS_014	Sphere127	13.4	13.4	0.2	-
SS_023	Sphere166	SS_013	Sphere124	20.5	20.4	1.4	-
SS_023	Sphere379	SS_013	Sphere159	3.9	3.9	0.0	-
SS_023	Sphere296	SS_019	Sphere226	10.4	9.9	3.1	-
SS_023	Sphere322	SS_018bis	Sphere179	10.7	10.7	1.1	-
SS_023	Sphere291	SS_022	Sphere291	8.5	8.5	0.8	-
SS_023	Sphere315	SS_022	Sphere315	22.6	16.0	15.9	-
SS_023	Sphere289	SS_022	Sphere289	5.7	5.0	2.7	-
SS_023	Sphere166	SS_022	Sphere166	11.0	10.7	2.5	-
SS_023	Sphere305	SS_022	Sphere305	4.5	4.2	1.8	-
SS_023	Sphere322	SS_020	Sphere239	8.9	8.9	0.8	-
SS_023	Sphere296	SS_020	Sphere226	7.1	6.6	2.6	-
SS_023	Sphere296	SS_021	sp11	5.6	4.2	3.7	-
SS_023	Sphere166	SS_025	Sphere166	16.0	15.4	4.2	-
SS_023	Sphere334	SS_025	Sphere334	5.8	5.7	1.1	-
SS_023	Sphere296	SS_025	Sphere296	18.3	18.2	2.5	-
SS_023	Sphere139	SS_025	Sphere139	6.7	6.7	1.0	-
SS_023	Sphere166	SS_026	Sphere166	16.1	15.7	3.6	-
SS_023	Sphere166	SS_027	Sphere41	7.1	6.3	3.4	-
SS_023	Sphere166	SS_029B	Sphere166	16.4	16.4	0.3	-
SS_023	Sphere166	SS_029C	Sphere166	7.3	6.0	4.1	-
SS_023	Sphere41	SS_029C	Sphere41	1.4	1.4	0.0	-
SS_023	Sphere305	SS_029C	Sphere305	9.6	6.2	7.4	-
SS_023	Sphere315	SS_029C	Sphere315	29.6	24.5	16.6	-

SS_023	Sphere379	SS_029C	Sphere379	14.5	14.4	1.5	-
SS_023	Sphere296	SS_029D	Sphere410	13.2	13.2	1.1	-
SS_023	Sphere323	SS_029E	Sphere418	10.5	9.9	3.4	-
SS_025	Sphere303	SS_009	Sphere74	20.7	20.5	2.7	-
SS_025	Sphere166	SS_012	Sphere124	11.0	6.8	8.6	-
SS_025	Sphere41	SS_012	Sphere125	14.9	14.2	4.5	-
SS_025	Sphere166	SS_011	Sphere124	10.9	8.4	6.9	-
SS_025	Sphere303	SS_010	Sphere74	22.4	22.4	0.8	-
SS_025	Sphere322	SS_014	Sphere127	6.7	6.7	0.4	-
SS_025	Sphere41	SS_013	Sphere125	22.2	20.3	8.8	-
SS_025	Sphere337	SS_013	Sphere158	60.8	59.9	9.9	-
SS_025	Sphere41	SS_018	Sphere197	18.5	17.5	6.1	-
SS_025	Sphere322	SS_018bis	Sphere179	13.7	13.7	0.4	-
SS_025	Sphere83	SS_022	Sphere83	3.6	3.6	0.4	-
SS_025	Sphere41	SS_022	Sphere41	11.6	11.1	3.5	-
SS_025	Sphere292	SS_022	Sphere292	10.6	8.5	6.2	-
SS_025	Sphere294	SS_022	Sphere294	13.7	13.4	2.5	-
SS_025	Sphere296	SS_019	Sphere226	12.9	12.9	0.6	-
SS_025	Sphere322	SS_020	Sphere239	2.1	1.5	1.5	-
SS_025	Sphere345	SS_021	Sphere279	4.0	3.4	2.1	-
SS_025	Sphere296	SS_021	sp11	16.5	16.5	1.3	-
SS_025	Sphere41	SS_021	Sphere197	14.8	13.3	6.6	-
SS_025	Sphere322	SS_023	Sphere322	7.4	7.4	0.6	-
SS_025	Sphere41	SS_023	Sphere41	11.1	8.5	7.2	-
SS_025	Sphere166	SS_026	Sphere166	8.0	8.0	0.6	-
SS_025	Sphere303	SS_026	Sphere303	15.3	13.8	6.5	-
SS_025	Sphere41	SS_026	Sphere41	8.1	8.0	1.4	-
SS_025	Sphere166	SS_027	Sphere41	20.5	19.1	7.6	-
SS_025	Sphere41	SS_029B	Sphere41	10.2	9.6	3.4	-
SS_025	Sphere41	SS_029C	Sphere41	12.2	9.9	7.2	-
SS_025	Sphere296	SS_029D	Sphere410	10.3	10.2	1.3	-
SS_026	Sphere303	SS_009	Sphere74	12.1	11.5	3.8	-
SS_026	Sphere166	SS_012	Sphere124	9.9	5.8	8.0	-
SS_026	Sphere65	SS_016	Sphere39	5.0	5.0	0.6	-
SS_026	Sphere39	SS_018bis	Sphere218	15.3	15.2	1.7	-
SS_026	Sphere188	SS_018bis	Sphere223	12.3	9.3	8.0	-
SS_026	Sphere373	SS_018bis	Sphere208	6.4	6.4	0.3	-
SS_026	Sphere184	SS_018bis	Sphere219	10.7	10.6	0.5	-
SS_026	Sphere188	SS_022	Sphere188	30.6	30.4	3.3	-
SS_026	Sphere294	SS_022	Sphere294	25.6	24.4	7.6	-
SS_026	Sphere41	SS_023	Sphere41	16.5	15.5	5.7	-

SS_026	Sphere294	SS_025	Sphere294	12.4	11.3	5.1	-
SS_026	Sphere184	SS_029B	Sphere184	2.9	2.8	0.6	-
SS_026	Sphere39	SS_029B	Sphere39	10.7	10.4	2.8	-
SS_026	Sphere373	SS_029B	Sphere373	6.2	6.1	1.2	-
SS_026	Sphere39	SS_039	Sphere39	7.4	6.1	4.2	-
SS_026	Sphere373	SS_039	Sphere373	4.4	3.9	2.0	-
SS_026	Sphere347	SS_029C	Sphere347	12.8	11.8	4.9	-
SS_026	Sphere41	SS_029C	Sphere41	17.7	16.8	5.8	-
SS_026	Sphere166	SS_027	Sphere41	18.0	16.6	7.0	-
SS_027	Sphere70	SS_008	Sphere70	14.8	14.1	4.4	-
SS_027	Sphere88	SS_009	Sphere88	15.8	15.6	2.4	-
SS_027	Sphere92	SS_009	Sphere92	12.8	9.5	8.5	-
SS_027	Sphere70	SS_009	Sphere70	13.6	13.5	2.2	-
SS_027	Sphere65	SS_009	Sphere65	9.0	7.6	4.9	-
SS_027	Sphere187	SS_016	Sphere187	22.3	22.1	3.4	-
SS_027	Sphere365	SS_022	Sphere305	6.1	6.1	0.8	-
SS_027	Sphere367	SS_023	Sphere320	0.8	0.5	0.7	-
SS_027	Sphere365	SS_023	Sphere305	8.4	8.3	1.0	-
SS_027	Sphere92	SS_023	Sphere325	4.7	2.2	4.1	-
SS_027	Sphere365	SS_029C	Sphere305	15.4	12.9	8.4	-
SS_029B	Sphere166	SS_012	Sphere124	7.1	5.4	4.7	-
SS_029B	Sphere166	SS_011	Sphere124	4.1	2.8	3.0	-
SS_029B	Sphere41	SS_013	Sphere125	16.7	15.8	5.4	-
SS_029B	Sphere39	SS_018bis	Sphere218	10.9	10.9	1.1	-
SS_029B	Sphere188	SS_018bis	Sphere223	18.9	17.0	8.2	-
SS_029B	Sphere188	SS_022	Sphere188	26.8	26.6	3.6	-
SS_029B	Sphere374	SS_021	Sphere260	2.6	2.4	0.9	-
SS_029B	Sphere41	SS_023	Sphere41	18.1	17.7	3.8	-
SS_029B	Sphere166	SS_025	Sphere166	9.1	8.2	3.9	-
SS_029B	Sphere346	SS_025	Sphere346	18.2	17.9	3.2	-
SS_029B	Sphere372	SS_026	Sphere372	2.2	1.9	1.1	-
SS_029B	Sphere188	SS_026	Sphere188	8.1	8.1	0.3	-
SS_029B	Sphere347	SS_026	Sphere347	2.5	1.4	2.0	-
SS_029B	Sphere166	SS_026	Sphere166	3.4	0.7	3.3	-
SS_029B	Sphere160	SS_026	Sphere160	7.9	7.5	2.7	-
SS_029B	Sphere41	SS_026	Sphere41	3.5	3.0	1.9	-
SS_029B	Sphere166	SS_027	Sphere41	17.7	17.3	3.7	-
SS_029B	Sphere39	SS_039	Sphere39	5.7	5.5	1.4	-
SS_029B	Sphere347	SS_029C	Sphere347	10.9	10.5	3.0	-
SS_029B	Sphere41	SS_029C	Sphere41	19.5	19.1	3.8	-



SS_029C	Sphere393	SS_009	Sphere86	19.0	18.9	1.7	-
SS_029C	Sphere166	SS_012	Sphere124	21.0	21.0	0.3	-
SS_029C	Sphere166	SS_011	Sphere124	21.0	21.0	1.4	-
SS_029C	Sphere393	SS_011	Sphere71	20.4	20.3	0.4	-
SS_029C	Sphere393	SS_010	Sphere86	17.9	17.3	4.6	-
SS_029C	Sphere166	SS_013	Sphere124	21.4	20.6	5.5	-
SS_029C	Sphere379	SS_013	Sphere159	12.4	12.3	1.5	-
SS_029C	Sphere310	SS_013	Sphere157	9.4	8.7	3.6	-
SS_029C	Sphere301	SS_022	Sphere301	3.4	3.1	1.5	-
SS_029C	Sphere310	SS_022	Sphere310	8.8	8.8	0.7	-
SS_029C	Sphere309	SS_022	Sphere309	7.2	6.3	3.5	-
SS_029C	Sphere166	SS_022	Sphere166	9.6	7.0	6.6	-
SS_029C	Sphere305	SS_022	Sphere305	13.8	10.3	9.2	-
SS_029C	Sphere304	SS_022	Sphere304	15.3	8.3	12.8	-
SS_029C	Sphere328	SS_023	Sphere328	10.8	10.1	3.7	-
SS_029C	Sphere166	SS_025	Sphere166	17.2	15.1	8.3	-
SS_029C	Sphere166	SS_026	Sphere166	19.8	18.3	7.7	-
SS_029C	Sphere166	SS_027	Sphere41	12.3	12.3	0.8	-
SS_029C	Sphere166	SS_029B	Sphere166	19.4	18.9	4.4	-
SS_029D	Sphere274	SS_014	Sphere274	13.6	11.3	7.6	-
SS_029D	Sphere164	SS_014	Sphere164	58.4	57.7	8.8	-
SS_029D	Sphere163	SS_013	Sphere163	10.9	10.8	0.5	-
SS_029D	Sphere418	SS_019	sp10	8.9	8.9	0.0	-
SS_029D	Sphere410	SS_019	Sphere226	4.3	3.8	1.9	-
SS_029D	Sphere416	SS_022	Sphere315	11.8	8.4	8.3	-
SS_029D	Sphere396	SS_022	Sphere435	7.3	7.2	0.8	-
SS_029D	Sphere401	SS_022	Sphere409	9.3	9.1	1.5	-
SS_029D	Sphere396	SS_020	Sphere253	15.0	12.9	7.7	-
SS_029D	Sphere410	SS_021	sp11	14.3	14.1	2.6	-
SS_029D	Sphere396	SS_021	Sphere253	13.5	13.1	3.4	-
SS_029D	Sphere314	SS_021	Sphere271	2.6	1.7	1.9	-
SS_029D	Sphere416	SS_023	Sphere315	25.6	24.4	7.7	-
SS_029D	Sphere418	SS_023	Sphere323	5.4	4.9	2.3	-
SS_029D	Sphere413	SS_026	Sphere347	12.4	10.7	6.3	-
SS_029D	Sphere407	SS_030	Sphere443	7.2	6.9	2.2	-
SS_029D	Sphere274	SS_030	Sphere440	3.5	1.6	3.2	-
SS_029D	Sphere164	SS_030	Sphere430	4.4	2.3	3.7	-
SS_029D	Sphere163	SS_030	Sphere436	4.0	4.0	0.1	-
SS_029D	Sphere418	SS_029E	Sphere418	5.2	5.0	1.1	-
SS_029D	Sphere413	SS_029B	Sphere347	10.4	9.4	4.3	-
SS_029D	Sphere413	SS_029C	Sphere347	1.9	1.3	1.4	-

SS_029D	Sphere416	SS_029C	Sphere315	9.3	2.5	9.0	-
SS_029E	Sphere41	SS_018	Sphere201	7.3	7.3	0.4	-
SS_029E	Sphere410	SS_019	sp11	12.7	12.7	0.1	-
SS_029E	Sphere410	SS_020	sp11	18.4	18.4	1.0	-
SS_029E	Sphere165	SS_031	Sphere165	0.6	0.5	0.3	-
SS_029E	Sphere419	SS_032	Sphere419	2.8	2.7	0.4	-
SS_029E	Sphere125	SS_032	Sphere125	4.3	3.3	2.7	-
SS_030	c3	SS_013	Sphere137	11.7	11.4	2.5	-
SS_030	c3	SS_022	Sphere449	12.0	8.6	8.3	-
SS_030	c3	SS_020	Sphere227	15.0	14.7	2.9	-
SS_030	Sphere431	SS_029D	Sphere397	8.7	6.1	6.2	-
SS_030	c1	SS_031	c1	25.2	12.6	21.8	-
SS_030	c3	SS_031	c3	2666.4	2666.4	2.6	-
SS_030	spx1	SS_031	spx1	4.2	4.2	0.6	-
SS_030	spx4	SS_032	spx4	1.1	1.1	0.1	-
SS_030	spx1	SS_032	spx1	3.3	3.0	1.4	-
SS_030	c1	SS_033	c1	5.8	3.8	4.4	-
SS_030	spx4	SS_033	spx4	7.1	6.5	2.9	-
SS_030	c2	SS_033	c2	108.9	106.7	21.4	-
SS_030	spx4	SS_034	spx4	14.4	14.3	1.8	-
SS_030	c3	SS_034	c3	8.2	6.2	5.4	-
SS_030	spx4	SS_036	spx4	10.6	7.2	7.7	-
SS_030	c2	SS_036	c2	282.7	281.5	25.6	-
SS_030	spx4	SS_037	spx4	13.4	11.4	7.1	-
SS_030	spx3	SS_038	spx3	6.2	4.5	4.2	-
SS_030	spx1	SS_035	spx1	6.2	6.2	0.5	-
SS_031	c3	SS_022	Sphere449	2668.8	2668.8	5.6	-
SS_031	Sphere169	SS_029E	Sphere169	8.9	7.4	4.9	-
SS_031	Sphere459	SS_029E	Sphere164	22.8	17.4	14.7	-
SS_031	Sphere453	SS_029E	Sphere420	1.5	1.4	0.6	-
SS_031	spx4	SS_030	spx4	1.9	1.9	0.1	-
SS_031	spx3	SS_030	spx3	4.8	4.7	1.2	-
SS_031	c16	SS_030	c16	33.6	32.8	7.1	-
SS_031	spx3	SS_035	spx3	13.0	12.4	4.0	-
SS_031	spx4	SS_032	spx4	3.1	3.0	0.3	-
SS_031	spx3	SS_032	spx3	9.0	8.7	2.2	-
SS_031	c1	SS_033	c1	19.5	9.0	17.3	-
SS_031	spx4	SS_033	spx4	8.7	8.2	2.8	-
SS_031	c0	SS_033	c0	11.3	8.6	7.3	-
SS_031	spx3	SS_033	spx3	6.8	6.6	1.3	-

SS_031	spx4	SS_034	spx4	16.1	16.0	1.9	-
SS_031	c3	SS_034	c3	2671.7	2671.7	2.8	-
SS_031	spx3	SS_034	spx3	6.1	6.1	0.1	-
SS_031	spx4	SS_036	spx4	12.0	9.1	7.8	-
SS_031	c0	SS_036	c0	172.4	172.4	0.6	-
SS_031	spx4	SS_037	spx4	14.8	12.9	7.2	-
SS_031	spx4	SS_038	spx4	13.3	13.3	0.9	-
SS_031	spx3	SS_038	spx3	7.1	6.4	3.1	-
SS_032	spx2	SS_018	spx2	6979.2	6966.4	422.7	-
SS_032	c1	SS_030	c1	6.8	0.6	6.7	-
SS_032	c2	SS_030	c2	115.5	113.9	18.8	-
SS_032	spx3	SS_030	spx3	7.5	7.5	1.0	-
SS_032	spx1	SS_031	spx1	1.9	1.8	0.8	-
SS_032	spx2	SS_031	spx2	1.8	1.8	0.3	-
SS_032	c1	SS_031	c1	31.2	12.7	28.5	-
SS_032	spx3	SS_035	spx3	8.8	6.3	6.2	-
SS_032	spx1	SS_035	spx1	4.0	3.5	1.9	-
SS_032	spx3	SS_033	spx3	3.9	3.8	0.8	-
SS_032	c2	SS_033	c2	7.6	7.2	2.5	-
SS_032	c1	SS_033	c1	11.9	4.0	11.2	-
SS_032	spx3	SS_034	spx3	5.0	4.5	2.1	-
SS_032	spx4	SS_034	spx4	13.3	13.2	1.7	-
SS_032	spx5	SS_036	spx5	8.9	8.9	0.6	-
SS_032	c2	SS_036	c2	213.3	213.2	6.8	-
SS_032	spx4	SS_036	spx4	9.7	6.1	7.5	-
SS_032	spx3	SS_038	spx3	6.0	3.0	5.2	-
SS_032	spx4	SS_037	spx4	12.5	10.4	6.9	-
SS_033	Sphere409	SS_029E	Sphere409	6.6	6.3	2.0	-
SS_033	spx3	SS_030	spx3	3.9	3.9	0.2	-
SS_033	spx3	SS_035	spx3	11.2	9.9	5.3	-
SS_033	spx5	SS_032	spx5	6.4	3.5	5.4	-
SS_033	spx4	SS_032	spx4	6.4	5.7	3.0	-
SS_033	spx4	SS_034	spx4	13.1	12.2	4.7	-
SS_033	spx3	SS_034	spx3	1.5	0.8	1.3	-
SS_033	spx5	SS_034	spx5	7.8	7.7	1.2	-
SS_033	spx4	SS_036	spx4	11.6	4.8	10.6	-
SS_033	c2	SS_036	c2	215.9	215.8	4.2	-
SS_033	spx5	SS_036	spx5	9.0	6.6	6.0	-
SS_033	c0	SS_036	c0	179.8	179.6	7.9	-
SS_033	spx4	SS_037	spx4	14.7	10.9	10.0	-
SS_033	spx3	SS_038	spx3	4.6	1.2	4.4	-

SS_033	spx5	SS_038	spx5	9.0	7.6	4.8	-
SS_034	c3	SS_022	Sphere449	6.6	5.9	2.9	-
SS_034	spx3	SS_030	spx3	3.3	3.1	1.1	-
SS_034	spx5	SS_032	spx5	10.9	10.1	4.2	-
SS_034	spx5	SS_036	spx5	5.0	1.2	4.8	-
SS_034	spx3	SS_038	spx3	3.5	1.7	3.1	-
SS_035	spx3	SS_030	spx3	14.0	13.0	5.2	-
SS_035	spx1	SS_031	spx1	4.2	4.0	1.1	-
SS_035	spx5	SS_032	spx5	3.8	3.8	0.3	-
SS_035	spx5	SS_033	spx5	6.5	3.2	5.7	-
SS_035	spx3	SS_034	spx3	11.2	10.4	4.1	-
SS_035	spx5	SS_034	spx5	7.8	6.4	4.5	-
SS_035	spx5	SS_036	spx5	5.3	5.2	0.4	-
SS_035	c4	SS_036	c4	34.3	10.7	32.6	-
SS_035	spx3	SS_038	spx3	8.8	8.7	0.9	-
SS_035	spx5	SS_038	spx5	5.2	5.2	0.9	-
SS_035	c6	SS_037	c6	2696.8	2696.8	8.6	-
SS_036	spx3	SS_030	spx3	9.2	9.1	1.5	-
SS_036	spx3	SS_031	spx3	9.9	9.8	0.3	-
SS_036	spx3	SS_035	spx3	5.9	4.7	3.7	-
SS_036	c6	SS_035	c6	2685.0	2685.0	3.8	-
SS_036	spx3	SS_032	spx3	3.0	1.7	2.5	-
SS_036	spx3	SS_033	spx3	5.8	5.5	1.7	-
SS_036	spx3	SS_034	spx3	6.2	6.2	0.4	-
SS_036	spx4	SS_034	spx4	9.7	7.7	5.9	-
SS_036	spx3	SS_038	spx3	5.3	4.6	2.7	-
SS_036	c5	SS_038	c5	26.0	8.4	24.6	-
SS_036	c6	SS_037	c6	17.3	12.0	12.5	-
SS_037	spx4	SS_034	spx4	6.4	3.7	5.3	-
SS_037	spx4	SS_036	spx4	6.1	6.1	0.6	-
SS_037	c7	SS_038	c7	5.8	4.7	3.4	-
SS_038	spx4	SS_030	spx4	11.4	11.4	1.0	-
SS_038	c6	SS_035	c6	2689.3	2689.3	5.0	-
SS_038	spx5	SS_032	spx5	8.9	8.9	0.6	-
SS_038	spx4	SS_032	spx4	10.3	10.2	1.1	-
SS_038	spx4	SS_033	spx4	7.8	7.5	1.9	-
SS_038	spx5	SS_034	spx5	4.7	3.0	3.6	-
SS_038	spx4	SS_034	spx4	5.9	5.2	2.8	-
SS_038	spx5	SS_036	spx5	2.9	2.6	1.2	-
SS_038	c6	SS_036	c6	5.4	5.3	1.2	-

SS_038	spx4	SS_036	spx4	9.6	4.1	8.6	-
SS_038	spx4	SS_037	spx4	9.9	5.8	8.0	-
SS_038	c6	SS_037	c6	16.2	8.8	13.6	-
SS_039	Sphere529	SS_011	Sphere132	9.8	9.5	2.4	-
SS_039	Sphere68	SS_016	Sphere184	10.1	9.3	4.1	-
SS_039	Sphere39	SS_018bis	Sphere218	10.0	9.7	2.6	-
SS_039	Sphere530	SS_018bis	Sphere211	9.4	7.7	5.3	-
SS_039	Sphere184	SS_018bis	Sphere219	7.3	6.5	3.4	-
SS_039	Sphere529	SS_020	Sphere243	9.7	8.4	4.9	-
SS_039	Sphere184	SS_026	Sphere184	7.5	7.0	2.8	-
SS_039	Sphere373	SS_029B	Sphere373	9.7	9.7	0.8	-
SS_039	Sphere184	SS_029B	Sphere184	10.4	9.8	3.5	-
SS_000	sp4	SS_001	sp4	8.2	6.4	5.2	-
SS_000	Sphere	SS_001	Sphere	14.1	13.5	4.2	-
SS_000	Sphere10	SS_001	Sphere10	12.2	11.5	4.2	-
SS_000	sp4	SS_004	Sphere1	17.2	16.9	3.1	-
SS_000	Sphere57	SS_007	Sphere57	26.7	26.5	3.5	-
SS_000	Sphere34	SS_007	Sphere34	5.3	5.1	1.1	-
SS_000	sp4	SS_007	sp4	2.1	2.0	0.5	-
SS_000	Sphere32	SS_007	Sphere32	14.0	13.2	4.5	-
SS_000	sp4	SS_005	Sphere38	15.8	14.0	7.5	-
SS_000	Sphere34	SS_006	Sphere34	4.2	4.0	1.3	-
SS_000	sp4	SS_006	sp4	6.6	3.4	5.7	-
SS_000	sp3	SS_008	sp3	12.4	11.6	4.3	-
SS_000	sp4	SS_008	sp4	7.3	7.3	0.1	-
SS_000	sp2	SS_008	Sphere34	32.0	25.3	19.6	-
SS_000	sp4	SS_009	sp4	9.4	6.2	7.1	-
SS_000	Sphere34	SS_009	Sphere34	9.6	9.5	1.6	-
SS_000	sp4	SS_011	Sphere38	16.0	15.9	1.7	-
SS_000	Sphere57	SS_010	Sphere57	28.6	28.6	0.3	-
SS_000	Sphere44	SS_010	Sphere44	13.2	6.8	11.4	-
SS_000	Sphere34	SS_010	Sphere34	10.2	10.1	1.1	-
SS_000	sp4	SS_010	sp4	5.3	5.3	1.0	-
SS_000	Sphere10	SS_010	sp3	8.9	8.9	0.6	-
SS_000	sp4	SS_016	sp4	9.6	9.6	0.7	-
SS_000	Sphere44	SS_017	Sphere44	5.0	2.3	4.5	-

# Inclinometer Mismatches

Cluster/Scan	Scan	Mismatch [deg]
SS_027	SS_027	0.0312
SS_021	SS_021	0.0457
SS_013	SS_013	0.0349
SS_019	SS_019	0.0567
SS_032	SS_032	0.0199
SS_000	SS_000	0.0429
SS_001	SS_001	0.0492
SS_018	SS_018	0.0434
SS_035	SS_035	0.0137
SS_029D	SS_029D	0.0483
SS_029E	SS_029E	0.0049
SS_039	SS_039	0.0451
SS_022	SS_022	0.0160
SS_025	SS_025	0.0165
SS_034	SS_034	0.0564
SS_020	SS_020	0.0263
SS_033	SS_033	0.0126
SS_036	SS_036	0.0539
SS_004	SS_004	0.0314
SS_015	SS_015	0.0267
SS_023	SS_023	0.0329
SS_017	SS_017	0.0303
SS_026	SS_026	0.0202
SS_011	SS_011	0.0230
SS_037	SS_037	0.0589
SS_029C	SS_029C	0.0168
SS_014	SS_014	0.0359
SS_031	SS_031	0.0395
SS_009	SS_009	0.0330
SS_006	SS_006	0.0541
SS_016	SS_016	0.0240
SS_008	SS_008	0.0172
SS_012	SS_012	0.0326
SS_005	SS_005	0.0573
SS_029B	SS_029B	0.0279
SS_010	SS_010	0.0308
SS_018bis	SS_018bis	0.0378

SS_038	SS_038	0.0521
SS_007	SS_007	0.0582
SS_030	SS_030	0.0086