

Point Cloud Registration Quality Report

Hoerfroegade

2013-04-17

Produced by: John Doe

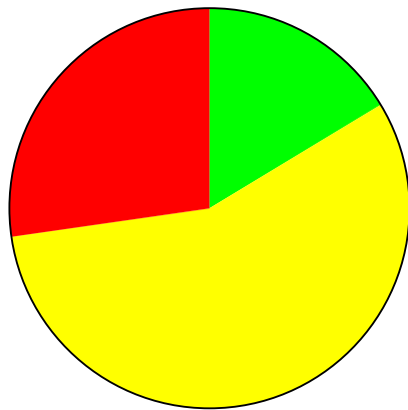
For: Jane Doe

Scanner Serial Number: LLS0123456789

Scanner Model: FARO Focus 3D S 120

Summary

Quality of scans



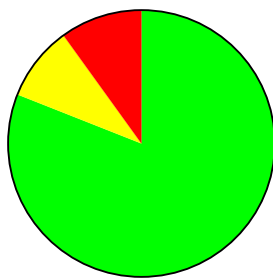
- High; 9 (16.4%)
- Medium; 31 (56.4%)
- Low; 15 (27.3%)

- Reasons for decreased quality:
- Point drift (76.1%)
 - Num quadrants occupied (34.8%)
 - Num distinct references (32.6%)
 - Contains broken references (21.7%)
 - Scan is manually placed (19.6%)
 - Point distance (4.3%)
 - Orthogonal mismatch (2.2%)

Project average point distance error

3.9 mm

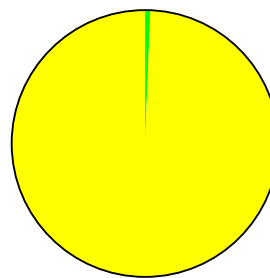
Quality of references



- High (81.0%)
- Medium (9.1%)
- Low (9.9%)

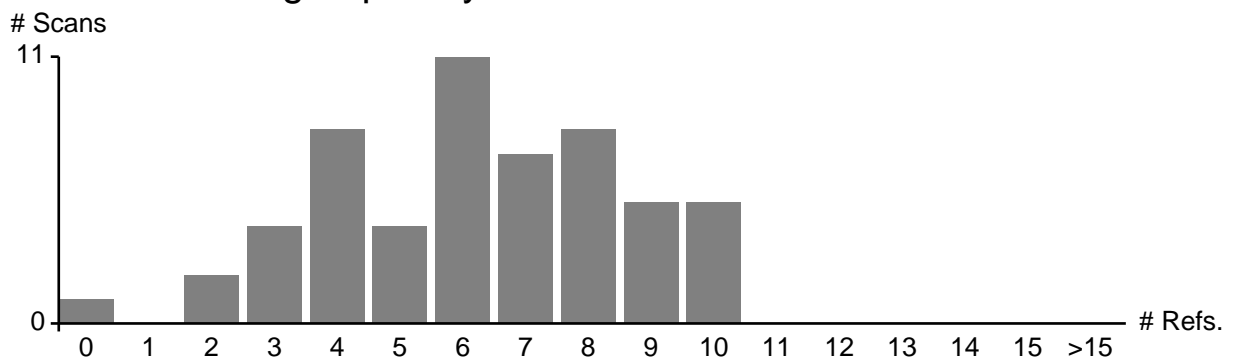
- Reasons for decreased quality:
- Broken reference (47.7%)
 - Low point num. (36.9%)
 - Dist. tension (18.5%)
 - Long. tension (13.8%)
 - Orth. tension (6.2%)

References used for fitting



- Surveyed (0.6%)
- Derived (99.4%)

Scans grouped by number of references used



Total number of scans:	55
Total number of references:	102 (2 surveyed and 100 derived)
Based on workspace:	Hoerfroegade.fws (2013-04-17 10:33:28)

Quality intervals











































Quality thresholds based on template:












FARO Normal

Name		High threshold		Low threshold	
Quality of scans					
Point distance quality [mm]		10		20	
Point drift quality [mm]	High	1	Medium	5	Low
Longitudinal mismatch quality [mm]		10		20	
Orthogonal mismatch quality [mm]		10		20	
Inclinometer mismatch quality [deg]		1		5	
Quality of references					
Num points quality		80		20	
Distance mismatch quality [mm]		10		20	
Longitudinal mismatch quality [mm]		10		20	
Orthogonal mismatch quality [mm]		10		20	

High > [High threshold] >= Medium >= [Low threshold] > Low

Scans

Name	Pt. dist	Refs.	Inclin.	X	Y	Z
 Osth000	4.41	6	YES	30.293	2.070	2.794
 Osth001	5.01	10	YES	20.143	0.973	2.743
 Osth003	3.14	6	YES	15.041	0.755	2.855
 Osth004	3.34	8	YES	4.493	0.705	2.748
 Osth005	2.33	4	YES	19.456	-4.337	2.952
 Osth006	3.81	3	YES	1.957	0.155	2.613
 Osth007	4.66	4	YES	3.894	5.719	2.759
 Osth008	3.98	6	YES	3.348	8.324	2.527
 Osth009	3.22	8	YES	3.123	12.848	2.811
 Osth010	3.01	8	YES	12.703	19.523	2.888
 Osth011	6.31	9	YES	27.105	21.442	2.818
 Osth012	4.96	7	YES	39.137	23.266	2.859
 Osth013	3.54	4	YES	39.273	26.310	2.877
 Osth015	5.31	8	YES	34.057	10.404	2.808
 Osth016	6.50	10	YES	20.089	9.109	2.858
 Osth017	0.13	4	YES	1.539	7.985	2.735
 Osth018	1.07	6	YES	1.191	5.015	2.963
 Osth020	1.51	6	YES	5.614	6.315	2.721
 Osth021	0.50	5	YES	6.143	4.498	2.718
 Osth022	0.00	0	YES	1.542	2.002	2.678
 Osth023	23.45	6	YES	1.612	-1.775	2.649
 Osth024	3.90	7	YES	4.228	10.677	6.926
 Osth025	3.31	6	YES	4.165	19.207	6.617
 Osth026	3.24	10	YES	19.161	20.679	6.895
 Osth027	3.51	5	YES	16.708	24.247	6.970
 Osth028	2.37	4	YES	2.272	7.436	6.933
 Osth029	3.14	7	YES	36.197	25.369	6.963
 Osth030	0.66	3	YES	40.654	23.503	6.950
 Osth031	1.06	2	YES	42.764	25.253	6.759
 Osth032	3.53	4	YES	38.754	26.366	7.011
 Osth034	3.30	8	YES	19.416	9.290	6.958
 Osth035	2.66	8	YES	19.764	0.880	6.963
 Osth036	1.55	4	YES	19.371	-4.673	6.492
 Osth037	2.92	7	YES	11.687	7.702	6.647
 Osth038	2.70	8	YES	8.460	-0.081	6.529
 Osth039	2.35	4	YES	0.782	-0.085	6.717
 Osth040	2.60	6	YES	7.831	5.353	6.716
 Osth041	3.06	10	YES	6.624	9.745	10.181
 Osth042	1.63	3	YES	2.090	4.304	9.793
 Osth043	2.86	3	YES	2.263	8.169	9.769
 Osth044	2.99	7	YES	6.165	19.675	9.700
 Osth045	5.32	8	YES	18.468	20.497	9.743
 Osth046	9.29	10	YES	33.429	14.939	9.821
 Osth047	11.45	2	YES	42.205	26.071	9.740

Name	Pt. dist	Refs.	Inclin.	X	Y	Z
 Osth048	4.61	9	YES	19.234	10.618	10.004
 Osth049	3.29	6	YES	23.084	1.477	12.673
 Osth050	3.48	6	YES	16.050	14.669	14.309
 Osth052	2.64	5	YES	-2.408	11.019	2.431
 Osth053	3.65	5	YES	-12.117	-0.876	2.155
 Osth054	3.87	7	YES	-12.715	27.120	2.468
 Osth056	3.49	7	YES	3.901	30.543	1.950
 Osth057	5.08	9	YES	20.226	33.910	2.244
 Osth058	4.45	9	YES	35.577	36.754	2.397
 Osth059	4.72	9	YES	49.863	29.976	2.241
 Osth060	4.44	6	YES	49.207	12.648	2.003

References

Name	Type	Size	X	Y	Z
00	Sphere	72.5	20.063	-1.422	2.569
05	Sphere	100.0	11.408	1.109	1.351
08	Sphere	72.5	19.107	9.446	1.969
09	Sphere	72.5	23.361	5.023	2.656
FixSphere2	Sphere	72.5	35.877	4.931	3.169
Osth000	Sphere	72.5	30.293	2.070	2.791
Osth001	Sphere	72.5	20.144	0.974	2.741
Osth003	Sphere	100.0	15.038	0.755	2.853
Osth004	Sphere	72.5	4.495	0.704	2.747
Osth009	Sphere	72.5	3.122	12.851	2.811
Osth010	Sphere	72.5	12.704	19.523	2.886
Osth011	Sphere	72.5	27.105	21.443	2.816
Osth012	Sphere	72.5	39.136	23.273	2.859
Osth013	Sphere	72.5	39.273	26.310	2.877
Osth015	Sphere	72.5	34.057	10.404	2.808
Osth016	Sphere	72.5	20.089	9.113	2.853
Osth024	Sphere	72.5	4.228	10.677	6.925
Osth025	Sphere	72.5	4.165	19.207	6.615
Osth026	Sphere	72.5	19.161	20.679	6.894
Osth028	Sphere	72.5	2.272	7.436	6.933
Osth029	Sphere	72.5	36.197	25.369	6.963
Osth030	Sphere	72.5	40.654	23.503	6.950
Osth031	Sphere	72.5	42.764	25.253	6.759
Osth034	Sphere	72.5	19.416	9.290	6.957
Osth035	Sphere	72.5	19.764	0.880	6.962
Osth036	Sphere	72.5	19.371	-4.673	6.491
Osth038	Sphere	72.5	8.460	-0.081	6.529
Osth039	Sphere	72.5	0.782	-0.085	6.716
Osth041	Sphere	72.5	6.624	9.745	10.180
Osth042	Sphere	72.5	2.090	4.305	9.793
Osth044	Sphere	72.5	6.165	19.675	9.699
Osth045	Sphere	72.5	18.468	20.497	9.739
Osth046	Sphere	72.5	33.429	14.939	9.814
Osth047	Sphere	72.5	42.205	26.071	9.734
Osth048	Sphere	72.5	19.234	10.618	10.003
Osth049	Sphere	72.5	23.084	1.477	12.672
Osth050	Sphere	72.5	16.050	14.669	14.308
Osth052	Sphere	72.5	-2.408	11.019	2.430
Osth053	Sphere	72.5	-12.117	-0.876	2.156
Osth054	Sphere	72.5	-12.715	27.120	2.466
Osth056	Sphere	72.5	3.900	30.543	1.948
Osth057	Sphere	72.5	20.226	33.910	2.242
Osth058	Sphere	72.5	35.577	36.754	2.394
Osth059	Sphere	72.5	49.863	29.976	2.238

Name	Type	Size	X	Y	Z
<i>Osth060</i>	<i>Sphere</i>	72.5	49.207	12.648	2.000
<i>Sphere</i>	<i>Sphere</i>	72.5	18.137	2.841	2.915
<i>Sphere10</i>	<i>Sphere</i>	172.5	26.938	20.796	5.469
<i>Sphere11</i>	<i>Sphere</i>	72.5	4.825	6.982	9.636
<i>Sphere12</i>	<i>Sphere</i>	100.0	-1.578	18.252	6.877
<i>Sphere13</i>	<i>Sphere</i>	72.5	18.012	1.788	2.799
<i>Sphere14</i>	<i>Sphere</i>	72.5	39.705	14.737	2.426
<i>Sphere15</i>	<i>Sphere</i>	72.5	15.302	12.751	5.445
<i>Sphere17</i>	<i>Sphere</i>	100.0	4.964	-1.642	1.367
<i>Sphere18</i>	<i>Sphere</i>	72.5	0.329	14.303	8.709
<i>Sphere19</i>	<i>Sphere</i>	172.5	7.134	6.550	6.251
<i>Sphere20</i>	<i>Sphere</i>	72.5	21.325	4.141	7.014
<i>Sphere21</i>	<i>Sphere</i>	72.5	3.824	8.850	3.273
<i>Sphere21@Osth026</i>	<i>Sphere</i>	72.5	32.092	14.107	5.476
<i>Sphere22</i>	<i>Sphere</i>	100.0	18.122	25.535	2.855
<i>Sphere23</i>	<i>Sphere</i>	72.5	2.463	17.151	2.872
<i>Sphere24</i>		-	30.691	5.453	5.456
<i>Sphere26</i>	<i>Sphere</i>	72.5	9.502	16.952	5.708
<i>Sphere28</i>	<i>Sphere</i>	72.5	40.005	26.540	7.557
<i>Sphere31</i>	<i>Sphere</i>	72.5	8.861	-0.419	7.240
<i>Sphere32</i>	<i>Sphere</i>	72.5	9.765	8.775	2.251
<i>Sphere32@Osth029</i>	<i>Sphere</i>	72.5	36.834	27.243	6.545
<i>Sphere33</i>	<i>Sphere</i>	72.5	1.345	7.576	7.075
<i>Sphere34</i>	<i>Sphere</i>	72.5	4.381	-0.661	5.502
<i>Sphere37</i>	<i>Sphere</i>	72.5	8.482	2.557	6.806
<i>Sphere38</i>	<i>Sphere</i>	100.0	31.100	5.291	2.639
<i>Sphere4</i>	<i>Sphere</i>	100.0	22.689	17.550	5.451
<i>Sphere40</i>	<i>Sphere</i>	72.5	-0.589	7.377	9.166
<i>Sphere41</i>	<i>Sphere</i>	72.5	9.471	17.575	9.706
<i>Sphere42</i>	<i>Sphere</i>	72.5	16.229	6.192	8.691
<i>Sphere43</i>	<i>Sphere</i>	100.0	20.269	16.432	8.697
<i>Sphere44</i>	<i>Sphere</i>	172.5	9.734	0.402	10.419
<i>Sphere45</i>	<i>Sphere</i>	72.5	21.280	8.297	9.580
<i>Sphere46</i>	<i>Sphere</i>	72.5	25.945	18.889	9.640
<i>Sphere47</i>	<i>Sphere</i>	72.5	38.499	11.635	9.450
<i>Sphere48</i>	<i>Sphere</i>	72.5	36.787	27.265	9.768
<i>Sphere50</i>	<i>Sphere</i>	172.5	29.317	1.967	10.293
<i>Sphere51</i>	<i>Sphere</i>	100.0	40.883	16.737	13.357
<i>Sphere52</i>	<i>Sphere</i>	100.0	-0.401	-0.263	10.105
<i>Sphere53</i>	<i>Sphere</i>	72.5	-1.076	8.979	2.499
<i>Sphere54</i>	<i>Sphere</i>	72.5	-14.146	12.049	1.080
<i>Sphere55</i>	<i>Sphere</i>	72.5	-0.831	37.799	3.116
<i>Sphere56</i>	<i>Sphere</i>	72.5	-0.474	26.597	0.850
<i>Sphere57</i>	<i>Sphere</i>	72.5	15.103	39.059	2.997
<i>Sphere58</i>	<i>Sphere</i>	72.5	16.202	25.823	2.255
<i>Sphere59</i>	<i>Sphere</i>	72.5	30.884	35.194	0.906
<i>Sphere6</i>	<i>Sphere</i>	72.5	33.050	15.352	1.354

Name	Type	Size	X	Y	Z
<i>Sphere60</i>	<i>Sphere</i>	72.5	28.203	43.481	3.385
<i>Sphere61</i>	<i>Sphere</i>	72.5	44.968	27.225	1.009
<i>Sphere62</i>	<i>Sphere</i>	72.5	52.652	31.407	0.855
<i>Sphere63</i>	<i>Sphere</i>	72.5	40.847	16.469	2.314
<i>Sphere9</i>	<i>Sphere</i>	72.5	15.000	6.649	5.457

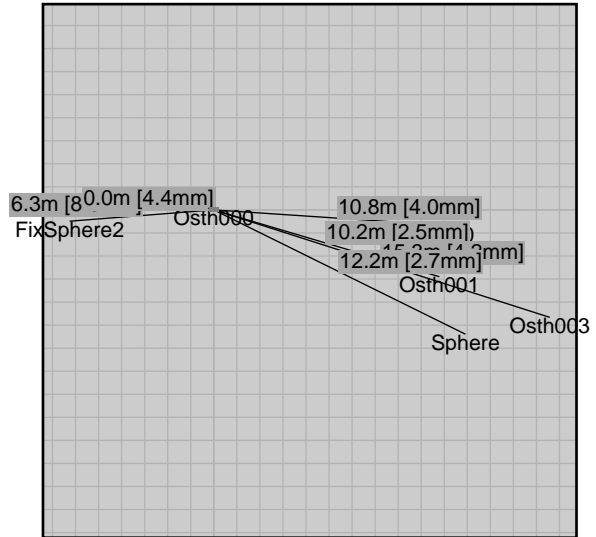
Osth000

Position (m): 30.293, 2.070, 2.794
 Orientation: -0.00048, 0.00022, -1.00000
 Angle (°): 157.33993

Point distance (mm): 4.41
 Point drift (mm): 2.205379

Longitudinal mismatch (mm): 0.07
 Orthogonal mismatch (mm): 3.07
 Angular mismatch (°): 0.020484

Inclinometer mismatch (°): 0.000251
 Inclinometer used in match: YES



Num distinct references: 4 + inclin.
 Num quadrants occupied: 2 + inclin.

Matched references

Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
00	-	Sphere	72.5	4.0	-0.6	4.0	-0.4	0.6	-0.8
FixSphere2	+	Sphere	72.5	8.6	-3.3	7.9	-1.0	0.8	2.7
Osth000	-	Scanner	-	4.4	4.4	0.0	0.3	0.2	2.9
Osth001	-	Sphere	72.5	2.5	-1.9	1.6	-0.8	-0.3	2.1
Osth003	-	Sphere	100.0	4.2	3.3	2.7	2.9	0.6	1.6
Sphere	-	Sphere	72.5	2.7	-1.4	2.2	0.5	-0.6	0.2

Osth001

Position (m): 20.143, 0.973, 2.743
 Orientation: 0.00255, -0.00095, -1.00000
 Angle (°): 49.78887

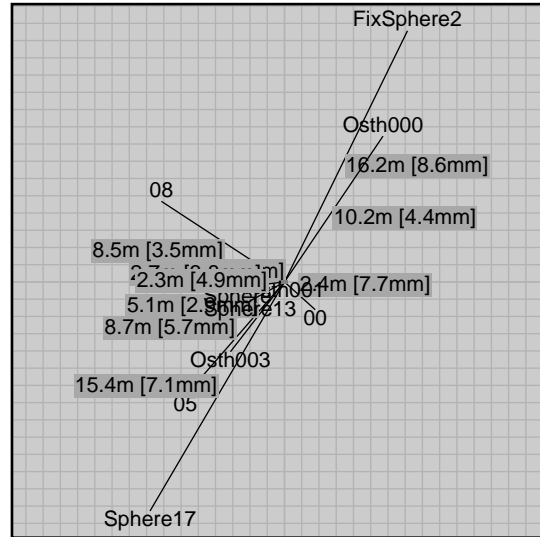
Point distance (mm): 5.01
 Point drift (mm): 2.701353

Longitudinal mismatch (mm): -0.17
 Orthogonal mismatch (mm): 4.11

Angular mismatch (°): 0.046269

Inclinometer mismatch (°): 0.000107

Inclinometer used in match: YES



Num distinct references: 7 + inclin.

Num quadrants occupied: 3 + inclin.

Matched references

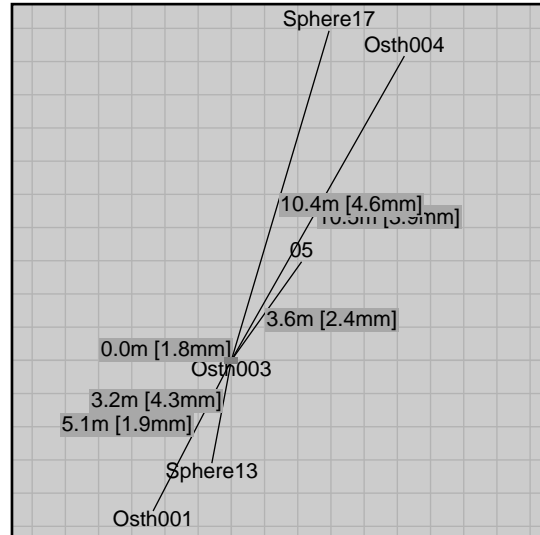
Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
00	-	Sphere	72.5	7.7	-3.5	6.8	1.7	-4.1	2.9
05	-	Sphere	100.0	5.7	4.1	3.9	-0.4	-2.3	4.1
08	-	Sphere	72.5	3.5	-1.0	3.4	-1.1	-0.5	1.4
FixSphere2	+	Sphere	72.5	8.6	2.8	8.1	-5.1	-1.5	-6.9
Osth000	-	Sphere	72.5	4.4	-1.3	4.2	-0.3	-0.2	-2.9
Osth001	-	Scanner	-	1.4	1.4	0.0	-0.8	-0.3	2.1
Osth003	-	Sphere	72.5	2.9	-2.7	1.2	-4.9	-1.5	1.7
Sphere	-	Sphere	72.5	3.8	-1.3	3.6	-2.5	-2.0	-1.4
Sphere13	-	Sphere	72.5	4.9	-3.5	3.5	-4.2	-1.8	1.1
Sphere17	-	Sphere	100.0	7.1	3.3	6.3	0.3	-2.8	4.9

Osth003

Position (m): 15.041, 0.755, 2.855
 Orientation: 0.00054, -0.00034, 1.00000
 Angle (°): 119.92402

Point distance (mm): 3.14
 Point drift (mm): 1.842377

Longitudinal mismatch (mm): -0.31
 Orthogonal mismatch (mm): 1.94
 Angular mismatch (°): 0.017396
 Inclinator mismatch (°): 0.000183
 Inclinator used in match: YES



Num distinct references: 3 + inclin.
 Num quadrants occupied: 2 + inclin.

Matched references

Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
05	-	Sphere	100.0	2.4	1.9	1.4	3.6	0.3	-0.1
Osth001	-	Sphere	72.5	1.9	-1.9	0.1	6.1	2.7	1.0
Osth003	-	Scanner	-	1.8	1.8	0.0	2.9	0.6	1.6
Osth004	-	Sphere	72.5	3.9	-1.4	3.6	2.6	-2.9	0.1
Sphere13	-	Sphere	72.5	4.3	-3.7	2.2	6.4	3.4	2.1
Sphere17	-	Sphere	100.0	4.6	1.3	4.4	4.7	-1.0	-1.8

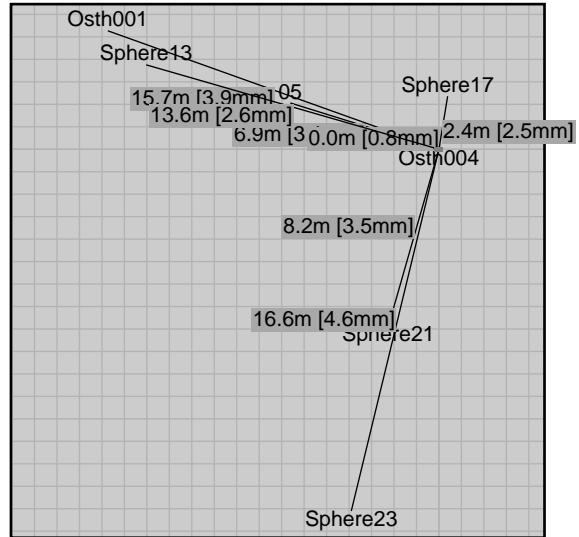
Osth004

Position (m): 4.493, 0.705, 2.748
 Orientation: -0.00155, 0.00062, -1.00000
 Angle (°): 159.34844

Point distance (mm): 3.34
 Point drift (mm): 3.878614

Longitudinal mismatch (mm): 1.31
 Orthogonal mismatch (mm): 2.47
 Angular mismatch (°): 0.019327

Inclinometer mismatch (°): 0.000182
 Inclinometer used in match: YES



Num distinct references: 4 + inclin.
 Num quadrants occupied: 2 + inclin.

Matched references

Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
05	-	Sphere	100.0	3.1	-0.1	3.1	-3.2	2.0	-4.1
Osth001	-	Sphere	72.5	3.9	1.3	3.6	-2.0	-3.0	-5.7
Osth004	-	Scanner	-	0.8	0.8	0.0	-1.2	1.7	0.7
[Sphere12]	-	-	-	-	-	-	-	-	-
Sphere13	-	Sphere	72.5	2.6	-0.4	2.6	-0.1	-2.1	-4.3
Sphere17	-	Sphere	100.0	2.5	-0.9	2.3	-5.0	3.8	-3.1
Sphere21	-	Sphere	72.5	3.5	0.6	3.4	0.8	1.3	-0.0
Sphere23	-	Sphere	72.5	4.6	3.6	2.8	2.4	-3.3	1.4

Osth005

Position (m): 19.456, -4.337, 2.952
 Orientation: -0.00367, -0.00348, 0.99999
 Angle (°): 12.81684

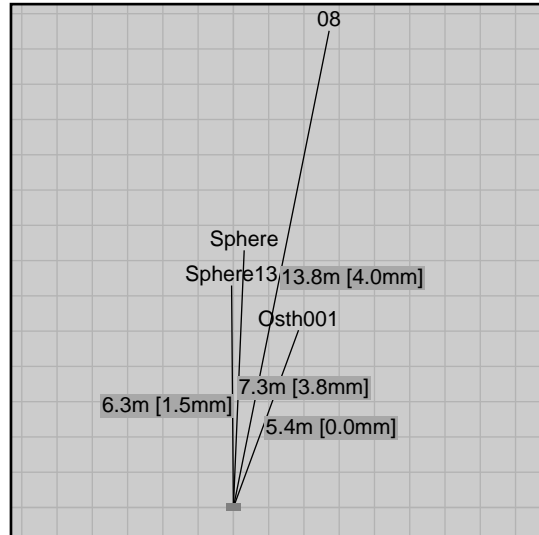
Point distance (mm): 2.33
 Point drift (mm): 0.000000

Longitudinal mismatch (mm): 1.42
 Orthogonal mismatch (mm): 1.36

Angular mismatch (°): 0.010815

Inclinometer mismatch (°): 0.000036

Inclinometer used in match: YES



Num distinct references: 2 + inclin.

Num quadrants occupied: 1 + inclin.

Matched references

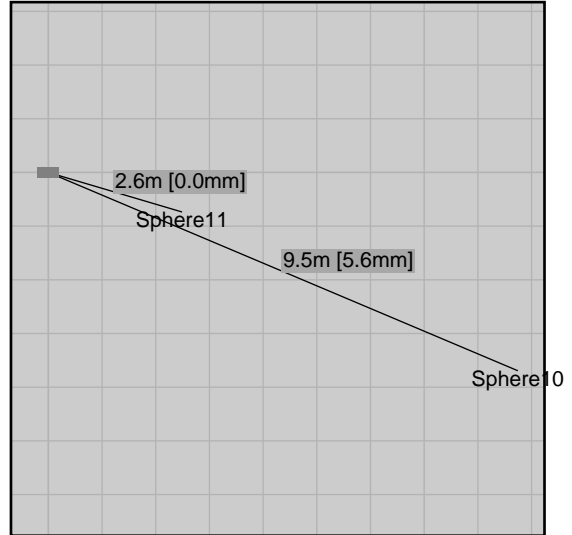
Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
08	-	Sphere	72.5	4.0	4.0	0.4	-1.3	-3.3	2.6
Osth001	-	Sphere	72.5	0.0	-0.0	0.0	-2.4	0.8	0.5
Sphere	-	Sphere	72.5	3.8	1.4	3.6	0.0	-1.0	0.5
Sphere13	-	Sphere	72.5	1.5	0.4	1.5	-2.0	0.4	1.1

Osth006

Position (m): 1.957, 0.155, 2.613
 Orientation: -0.00251, -0.00196, 0.99999
 Angle (°): 28.68289

Point distance (mm): 3.81
 Point drift (mm): 0.000000

Longitudinal mismatch (mm): -0.21
 Orthogonal mismatch (mm): 1.03
 Angular mismatch (°): 0.014064
 Inclinometer mismatch (°): 0.000036
 Inclinometer used in match: YES



Num distinct references: 1 + inclin.
 Num quadrants occupied: 1 + inclin.

Matched references

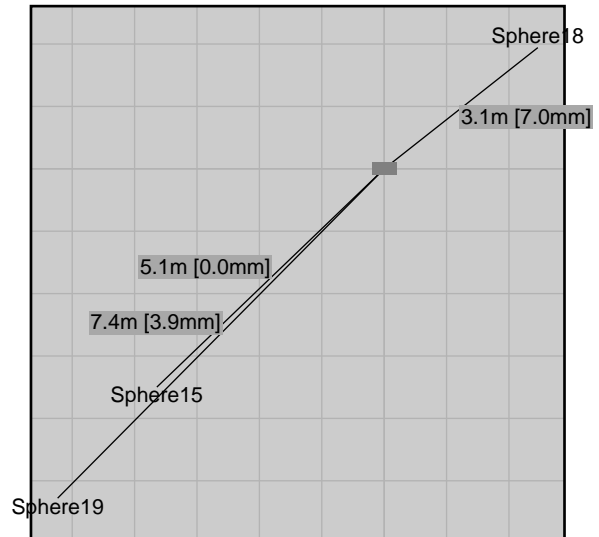
Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
[FixSphere1]	-	-	-	-	-	-	-	-	-
Sphere10	-	Sphere	100.0	5.6	5.2	2.0	-15535.219686.34116.1		
Sphere11	-	Sphere	72.5	0.0	-0.0	0.0	-329.4 -6278.4-6882.4		

Osth007

Position (m): 3.894, 5.719, 2.759
 Orientation: 0.00018, -0.00052, 1.00000
 Angle (°): 52.99543

Point distance (mm): 4.66
 Point drift (mm): 0.000000

Longitudinal mismatch (mm): -0.65
 Orthogonal mismatch (mm): 3.78
 Angular mismatch (°): 0.037843
 Inclinometer mismatch (°): 0.000036
 Inclinometer used in match: YES



Num distinct references: 2 + inclin.
 Num quadrants occupied: 2 + inclin.

Matched references

Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
Sphere15	-	Sphere	72.5	0.0	-0.0	0.0	-10807.212047.82691.7		
[Sphere16]	-	-	-	-	-	-	-	-	-
Sphere18	-	Sphere	72.5	7.0	-4.4	5.4	3496.6 -5448.3-5431.7		
Sphere19	-	Sphere	100.0	3.9	3.3	2.1	-2173.4-8187.5-4878.2		

Osth008

Position (m): 3.348, 8.324, 2.527
 Orientation: 0.00011, 0.00010, 1.00000
 Angle (°): 136.37908

Point distance (mm): 3.98
 Point drift (mm): 0.000000

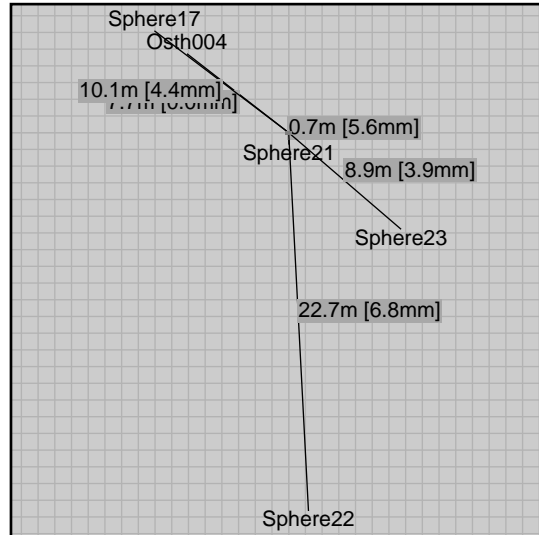
Longitudinal mismatch (mm): 0.37

Orthogonal mismatch (mm): 2.20

Angular mismatch (°): 0.020745

Inclinometer mismatch (°): 0.000036

Inclinometer used in match: YES



Num distinct references: 3 + inclin.

Num quadrants occupied: 2 + inclin.

Matched references

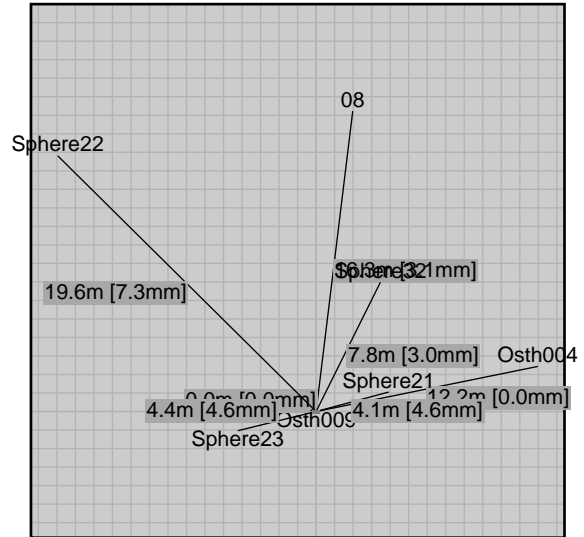
Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
Osth004	-	Sphere	72.5	0.0	-0.0	0.0	0.6	-0.1	6.4
Sphere17	-	Sphere	100.0	4.4	4.1	1.6	-2.8	5.4	4.7
Sphere21	-	Sphere	72.5	5.6	-5.5	1.2	4.8	2.0	10.1
Sphere22	-	Sphere	100.0	6.8	5.6	3.8	-8.2	-1.0	10.4
Sphere23	-	Sphere	72.5	3.9	-1.9	3.5	2.6	-0.7	4.1
[Sphere26]	-	-	-	-	-	-	-	-	-

Osth009

Position (m): 3.123, 12.848, 2.811
 Orientation: -0.00049, 0.00010, -1.00000
 Angle (°): 95.06178

Point distance (mm): 3.22
 Point drift (mm): 0.000812

Longitudinal mismatch (mm): -0.23
 Orthogonal mismatch (mm): 2.00
 Angular mismatch (°): 0.014724
 Inclinator mismatch (°): 0.000037
 Inclinator used in match: YES



Num distinct references: 6 + inclin.
 Num quadrants occupied: 3 + inclin.

Matched references

Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
08	-	Sphere	72.5	3.1	1.3	2.8	2.5	-1.0	0.2
Osth004	-	Sphere	72.5	0.0	-0.0	0.0	-1.4	1.2	-0.8
Osth009	-	Scanner	-	0.0	0.0	0.0	1.9	-2.3	-0.3
[Sphere20]	-	-	-	-	-	-	-	-	-
Sphere21	-	Sphere	72.5	4.6	-4.5	0.8	1.9	-2.3	0.7
Sphere22	-	Sphere	100.0	7.3	6.3	3.7	-5.8	-1.6	2.1
Sphere23	-	Sphere	72.5	4.6	-2.1	4.1	1.5	0.8	2.1
Sphere32	-	Sphere	72.5	3.0	-2.7	1.4	4.4	-2.1	-1.8

Osth010

Position (m): 12.703, 19.523, 2.888
 Orientation: -0.00292, -0.00287, -0.99999
 Angle (°): 21.77297

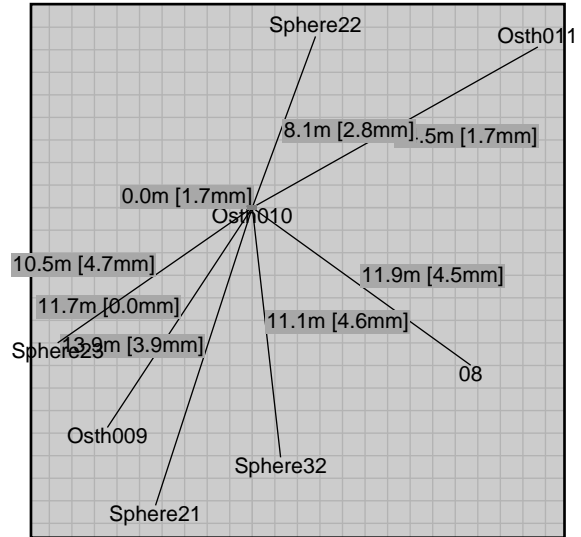
Point distance (mm): 3.01
 Point drift (mm): 0.872449

Longitudinal mismatch (mm): -0.96
 Orthogonal mismatch (mm): 2.27

Angular mismatch (°): 0.011548

Inclinometer mismatch (°): 0.000055

Inclinometer used in match: YES



Num distinct references: 7 + inclin.

Num quadrants occupied: 3 + inclin.

Matched references

Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
08	-	Sphere	72.5	4.5	-1.9	4.1	-1.8	-7.7	2.1
Osth009	-	Sphere	72.5	0.0	-0.0	0.0	-1.9	2.3	0.3
Osth010	-	Scanner	-	1.7	1.7	0.0	-0.6	0.4	1.6
Osth011	-	Sphere	72.5	1.7	-0.6	1.6	0.0	-0.6	1.9
Sphere21	-	Sphere	72.5	3.9	-2.0	3.4	-3.6	3.4	3.3
Sphere22	-	Sphere	100.0	2.8	1.2	2.5	0.5	-2.7	2.5
Sphere23	-	Sphere	72.5	4.7	-2.2	4.2	-0.8	3.1	2.8
Sphere32	-	Sphere	72.5	4.6	-4.0	2.3	-3.2	-2.1	1.1

Osth011

Position (m): 27.105, 21.442, 2.818
 Orientation: -0.00286, 0.00007, -1.00000
 Angle (°): 49.74100

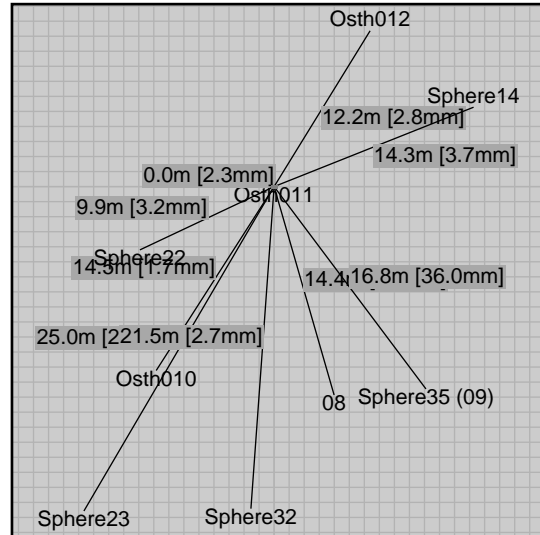
Point distance (mm): 6.31
 Point drift (mm): 2.257433

Longitudinal mismatch (mm): 4.96
 Orthogonal mismatch (mm): 2.30

Angular mismatch (°): 0.009180

Inclinometer mismatch (°): 0.000004

Inclinometer used in match: YES



Num distinct references: 8 + inclin.

Num quadrants occupied: 3 + inclin.

Matched references

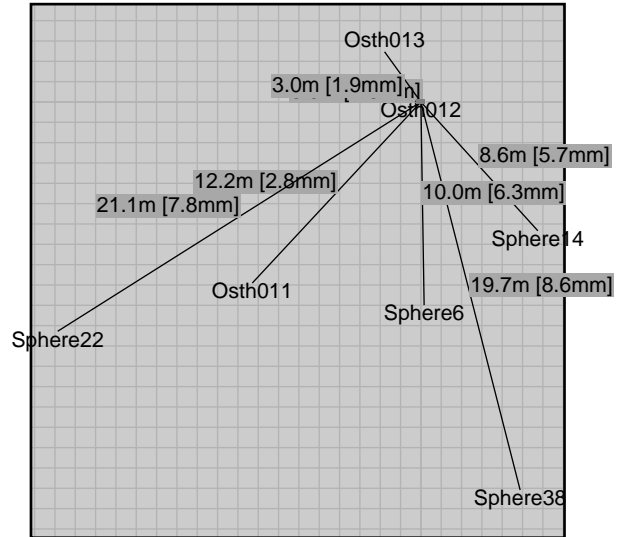
Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
08	-	Sphere	72.5	1.8	0.2	1.8	-0.1	-6.5	-1.6
Osth010	-	Sphere	72.5	1.7	0.6	1.6	0.6	-0.4	-1.6
Osth011	-	Scanner	-	2.3	2.3	0.0	0.0	-0.6	1.9
Osth012	-	Sphere	72.5	2.8	-0.1	2.8	1.4	-6.6	-0.0
Sphere14	-	Sphere	72.5	3.7	1.6	3.3	0.5	-7.6	0.2
Sphere22	-	Sphere	100.0	3.2	0.9	3.0	4.1	-2.2	1.2
Sphere23	-	Sphere	72.5	2.7	2.5	0.9	3.8	2.3	-2.2
Sphere32	-	Sphere	72.5	2.7	1.0	2.4	-1.5	1.7	-1.2
Sphere35 (09)	-	Sphere	72.5	36.0	35.7	4.8	-0.0	15.9	-1.0

Osth012

Position (m): 39.137, 23.266, 2.859
 Orientation: -0.00197, -0.00188, -1.00000
 Angle (°): 38.43600

Point distance (mm): 4.96
 Point drift (mm): 2.334848

Longitudinal mismatch (mm): 0.81
 Orthogonal mismatch (mm): 3.75
 Angular mismatch (°): 0.020255
 Inclinator mismatch (°): 0.000165
 Inclinator used in match: YES



Num distinct references: 5 + inclin.
 Num quadrants occupied: 3 + inclin.

Matched references

Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
Osth011	-	Sphere	72.5	2.8	0.1	2.8	-0.1	1.3	-3.8
Osth012	-	Scanner	-	1.6	1.6	0.0	1.4	-6.6	-0.0
Osth013	-	Sphere	72.5	1.9	-0.6	1.8	-0.0	0.0	-0.0
Sphere14	-	Sphere	72.5	5.7	-3.9	4.2	0.2	-9.7	1.6
Sphere22	-	Sphere	100.0	7.8	6.8	3.8	9.1	2.2	-2.6
Sphere38	-	Sphere	100.0	8.6	3.8	7.7	-3.6	-11.2	1.2
Sphere6	-	Sphere	72.5	6.3	-2.1	6.0	1.4	-14.0	1.6

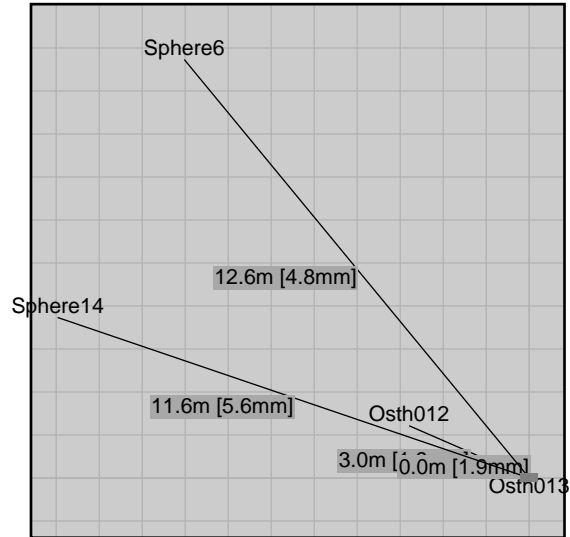
Osth013

Position (m): 39.273, 26.310, 2.877
 Orientation: -0.00006, -0.00125, 1.00000
 Angle (°): 110.90550

Point distance (mm): 3.54
 Point drift (mm): 1.899484

Longitudinal mismatch (mm): 2.36
 Orthogonal mismatch (mm): 2.35
 Angular mismatch (°): 0.017466

Inclinometer mismatch (°): 0.000045
 Inclinometer used in match: YES



Num distinct references: 3 + inclin.
 Num quadrants occupied: 1 + inclin.

Matched references

Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
Osth012	-	Sphere	72.5	1.9	0.6	1.8	-0.3	-5.4	-3.6
Osth013	-	Scanner	-	1.9	1.9	0.0	0.0	-0.0	0.0
Sphere14	-	Sphere	72.5	5.6	4.2	3.7	-4.7	-2.9	-5.5
Sphere6	-	Sphere	72.5	4.8	2.8	3.9	-3.1	-5.5	-6.9

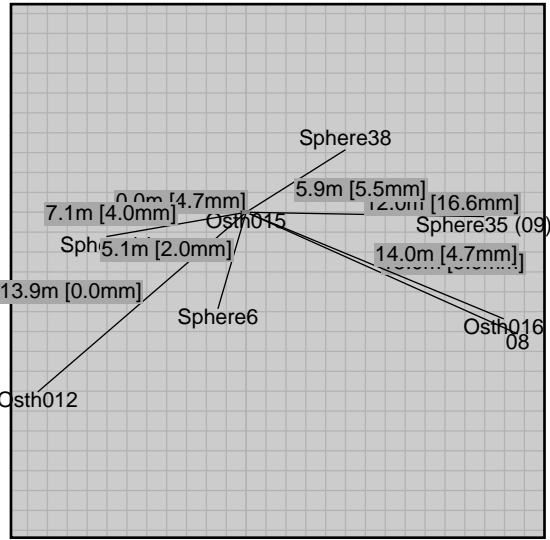
Osth015

Position (m): 34.057, 10.404, 2.808
 Orientation: -0.00076, 0.00055, -1.00000
 Angle (°): 152.26535

Point distance (mm): 5.31
 Point drift (mm): 2.367735

Longitudinal mismatch (mm): -0.98
 Orthogonal mismatch (mm): 4.00
 Angular mismatch (°): 0.023817

Inclinometer mismatch (°): 0.000290
 Inclinometer used in match: YES



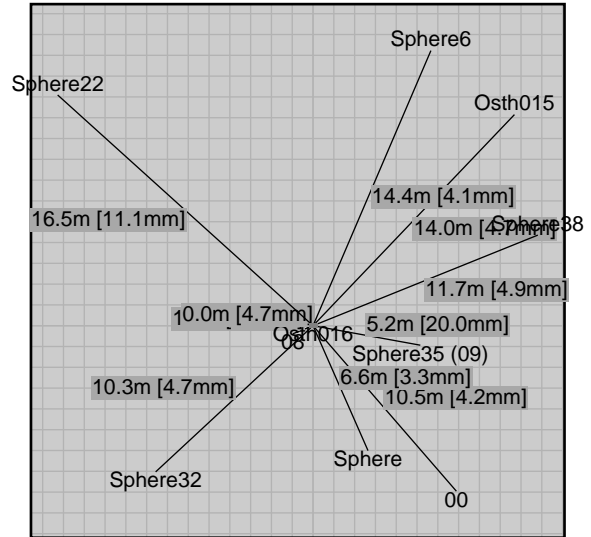
Num distinct references: 7 + inclin.
 Num quadrants occupied: 3 + inclin.

Matched references

Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
08	-	Sphere	72.5	5.0	1.9	4.6	1.7	14.0	-5.7
Osth012	-	Sphere	72.5	0.0	-0.0	0.0	-2.6	18.7	3.6
Osth015	-	Scanner	-	4.7	4.7	0.0	0.0	0.0	-0.0
Osth016	-	Sphere	72.5	4.7	0.3	4.7	-0.1	4.6	-4.8
Sphere14	-	Sphere	72.5	4.0	-3.4	2.1	4.0	20.1	3.8
Sphere35 (09)	-	Sphere	72.5	16.6	-10.0	13.3	-2.0	1.3	-3.5
Sphere38	-	Sphere	100.0	5.5	-1.3	5.3	2.1	6.0	-3.3
Sphere6	-	Sphere	72.5	2.0	-0.2	2.0	2.6	10.9	2.4

Osth016

Position (m): 20.089, 9.109, 2.858
 Orientation: -0.00064, -0.00101, -1.00000
 Angle (°): 41.04886
 Point distance (mm): 6.50
 Point drift (mm): 4.735454
 Longitudinal mismatch (mm): -0.57
 Orthogonal mismatch (mm): 5.00
 Angular mismatch (°): 0.040317
 Inclinator mismatch (°): 0.000217
 Inclinator used in match: YES



Num distinct references: 9 + inclin.
 Num quadrants occupied: 4 + inclin.

Matched references

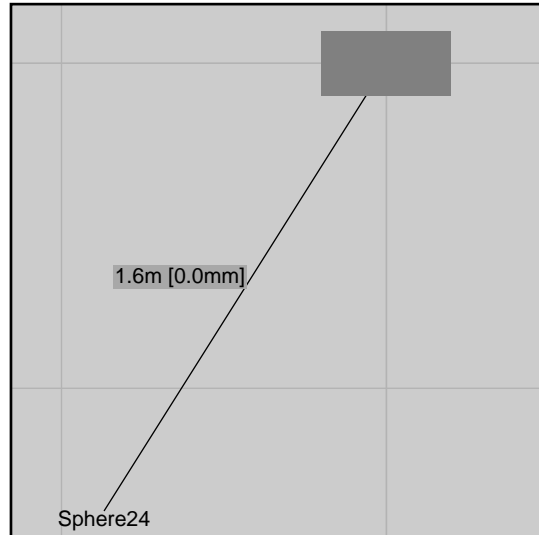
Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
00	-	Sphere	72.5	4.2	2.0	3.7	-1.2	3.6	-2.1
08	-	Sphere	72.5	3.3	-2.2	2.4	-0.1	4.9	1.0
Osth015	-	Sphere	72.5	4.7	-0.3	4.7	-0.0	-0.0	0.0
Osth016	-	Scanner	-	4.7	4.7	0.0	0.1	-4.6	4.8
Sphere	-	Sphere	72.5	3.3	2.4	2.3	2.0	3.6	0.8
Sphere22	-	Sphere	100.0	11.1	0.6	11.1	-7.9	4.3	-3.2
Sphere32	-	Sphere	72.5	4.7	-0.3	4.7	0.4	2.5	1.8
Sphere35 (09)	-	Sphere	72.5	20.0	-15.3	13.0	3.1	-8.3	5.2
Sphere38	-	Sphere	100.0	4.9	2.8	4.0	1.5	5.2	2.1
Sphere6	-	Sphere	72.5	4.1	-0.0	4.1	-0.9	8.6	2.9

Osth017

Position (m): 1.539, 7.985, 2.735
 Orientation: -0.00272, 0.00016, -1.00000
 Angle (°): 52.42539

Point distance (mm): 0.13
 Point drift (mm): 0.000001

Longitudinal mismatch (mm): 0.12
 Orthogonal mismatch (mm): 0.03
 Angular mismatch (°): 0.000767
 Inclinometer mismatch (°): 0.000000
 Inclinometer used in match: YES



Num distinct references: 1 + inclin.
 Num quadrants occupied: 1 + inclin.

Matched references

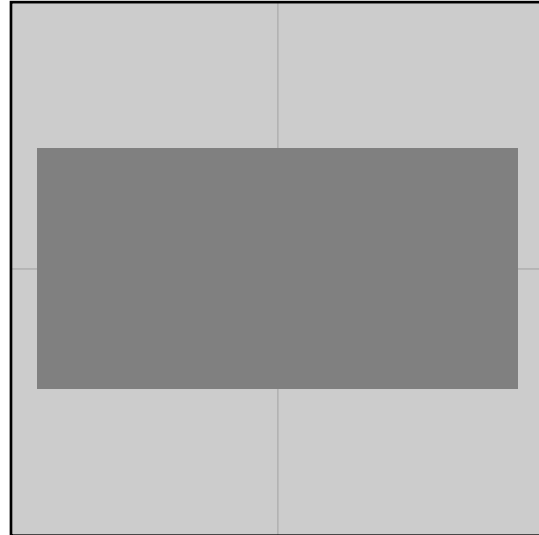
Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
[PlaneEx1]	-	-	-	-	-	-	-	-	-
[PlaneEx2]	-	-	-	-	-	-	-	-	-
[PlaneEx3]	-	-	-	-	-	-	-	-	-
Sphere24	-	Plane	-	0.0	-0.0	0.0	-30773.8382.6	-2187.1	

Osth018

Position (m): 1.191, 5.015, 2.963
 Orientation: -0.00090, -0.00093, -1.00000
 Angle (°): 37.94749

Point distance (mm): 1.07
 Point drift (mm): 0.220298

Longitudinal mismatch (mm): -0.90
 Orthogonal mismatch (mm): 0.54
 Angular mismatch (°): 0.017367
 Inclinator mismatch (°): 0.000001
 Inclinator used in match: YES



Num distinct references: 0 + inclin.
 Num quadrants occupied: 0 + inclin.

Matched references

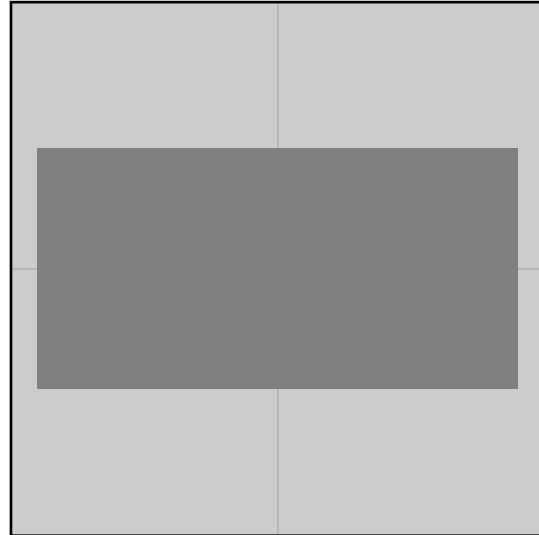
Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
[PlaneEx121]	-	-	-	-	-	-	-	-	-
[PlaneEx122]	-	-	-	-	-	-	-	-	-
[PlaneEx123]	-	-	-	-	-	-	-	-	-
[PlaneEx124]	-	-	-	-	-	-	-	-	-
[PlaneEx127]	-	-	-	-	-	-	-	-	-
[PlaneEx131]	-	-	-	-	-	-	-	-	-

Osth020

Position (m): 5.614, 6.315, 2.721
 Orientation: 0.00015, -0.00027, 1.00000
 Angle (°): 162.12701

Point distance (mm): 1.51
 Point drift (mm): 0.000000

Longitudinal mismatch (mm): 0.07
 Orthogonal mismatch (mm): 0.70
 Angular mismatch (°): 0.031911
 Inclinator mismatch (°): 0.000000
 Inclinator used in match: YES



Num distinct references: 0 + inclin.
 Num quadrants occupied: 0 + inclin.

Matched references

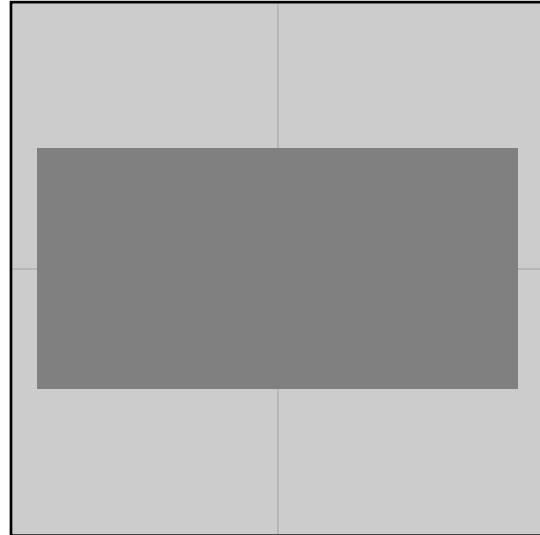
Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
[PlaneEx100]	-	-	-	-	-	-	-	-	-
[PlaneEx101]	-	-	-	-	-	-	-	-	-
[PlaneEx102]	-	-	-	-	-	-	-	-	-
[PlaneEx103]	-	-	-	-	-	-	-	-	-
[PlaneEx104]	-	-	-	-	-	-	-	-	-
[PlaneEx110]	-	-	-	-	-	-	-	-	-

Osth021

Position (m): 6.143, 4.498, 2.718
 Orientation: 0.00007, -0.00032, 1.00000
 Angle (°): 160.53166

Point distance (mm): 0.50
 Point drift (mm): 0.030016

Longitudinal mismatch (mm): -0.11
 Orthogonal mismatch (mm): 0.28
 Angular mismatch (°): 0.011836
 Inclinometer mismatch (°): 0.000000
 Inclinometer used in match: YES



Num distinct references: 0 + inclin.
 Num quadrants occupied: 0 + inclin.

Matched references

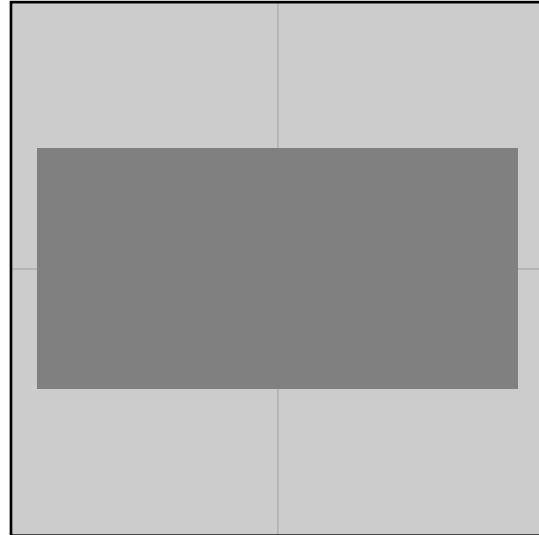
Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
[PlaneEx110]	-	-	-	-	-	-	-	-	-
[PlaneEx112]	-	-	-	-	-	-	-	-	-
[PlaneEx113]	-	-	-	-	-	-	-	-	-
[PlaneEx114]	-	-	-	-	-	-	-	-	-
[PlaneEx115]	-	-	-	-	-	-	-	-	-

Osth022

Position (m): 1.542, 2.002, 2.678
Orientation: -0.00228, 0.00002, -1.00000
Angle (°): 25.68572

Point distance (mm): 0.00
Point drift (mm): 0.000000

Longitudinal mismatch (mm): 0.00
Orthogonal mismatch (mm): 0.00
Angular mismatch (°): 0.000000
Inclinometer mismatch (°): 0.000028
Inclinometer used in match: YES



Num distinct references: 0 + inclin.
Num quadrants occupied: 0 + inclin.

Matched references

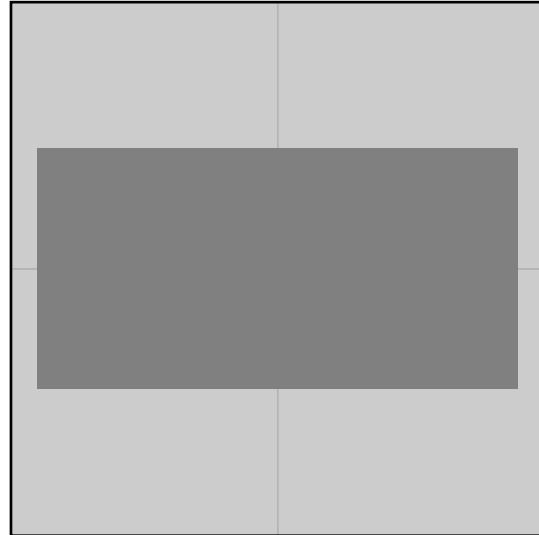
Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
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Osth023

Position (m): 1.612, -1.775, 2.649
 Orientation: 0.00037, -0.00066, 1.00000
 Angle (°): 107.67023

Point distance (mm): 23.45
 Point drift (mm): 19.534457

Longitudinal mismatch (mm): -9.99
 Orthogonal mismatch (mm): 19.83
 Angular mismatch (°): 0.555357
 Inclinator mismatch (°): 0.000000
 Inclinator used in match: YES



Num distinct references: 0 + inclin.
 Num quadrants occupied: 0 + inclin.

Matched references

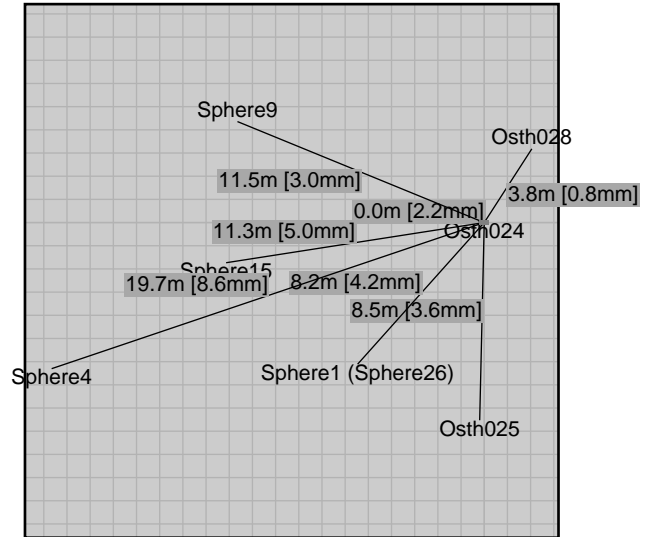
Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
[PlaneEx]	-	-	-	-	-	-	-	-	-
[PlaneEx133]	-	-	-	-	-	-	-	-	-
[PlaneEx134]	-	-	-	-	-	-	-	-	-
[PlaneEx149]	-	-	-	-	-	-	-	-	-
[PlaneEx154]	-	-	-	-	-	-	-	-	-
[PlaneEx156]	-	-	-	-	-	-	-	-	-

Osth024

Position (m): 4.228, 10.677, 6.926
 Orientation: -0.00059, 0.00065, -1.00000
 Angle (°): 178.26030

Point distance (mm): 3.90
 Point drift (mm): 2.205551

Longitudinal mismatch (mm): 0.46
 Orthogonal mismatch (mm): 3.48
 Angular mismatch (°): 0.018091
 Inclinator mismatch (°): 0.000107
 Inclinator used in match: YES



Num distinct references: 6 + inclin.
 Num quadrants occupied: 3 + inclin.

Matched references

Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
Osth024	-	Scanner	-	2.2	2.2	0.0	0.0	0.2	1.5
Osth025	-	Sphere	72.5	3.6	0.4	3.6	0.1	-0.3	-2.0
Osth028	-	Sphere	72.5	0.8	-0.0	0.8	-0.0	-0.0	-0.5
Sphere1 (Sphere26)	-	Sphere	72.5	4.2	-1.2	4.0	-0.2	-0.4	-3.2
Sphere15	-	Sphere	72.5	5.0	-0.7	4.9	0.5	-2.2	-3.4
Sphere4	-	Sphere	100.0	8.6	2.9	8.1	-1.5	-4.7	-5.8
Sphere9	-	Sphere	72.5	3.0	-0.3	3.0	0.0	-1.3	1.8

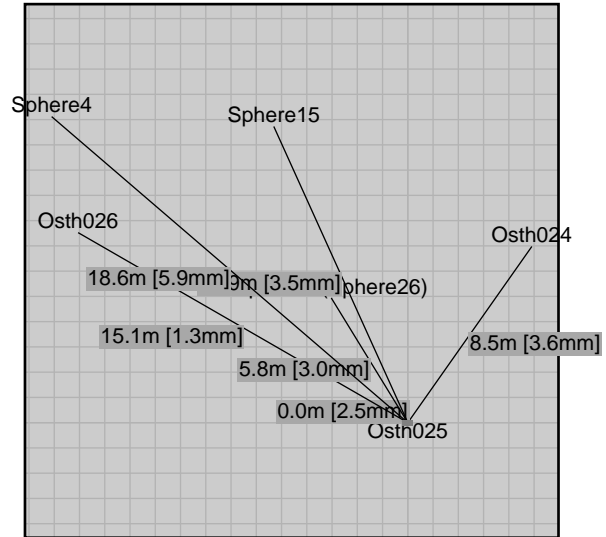
Osth025

Position (m): 4.165, 19.207, 6.617
 Orientation: -0.00019, -0.00041, -1.00000
 Angle (°): 144.43410

Point distance (mm): 3.31
 Point drift (mm): 2.469651

Longitudinal mismatch (mm): 0.56
 Orthogonal mismatch (mm): 2.44
 Angular mismatch (°): 0.012608

Inclinometer mismatch (°): 0.000113
 Inclinometer used in match: YES



Num distinct references: 4 + inclin.
 Num quadrants occupied: 1 + inclin.

Matched references

Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
Osth024	-	Sphere	72.5	3.6	-0.4	3.6	0.0	-0.4	-2.1
Osth025	-	Scanner	-	2.5	2.5	0.0	0.1	0.2	1.6
Osth026	-	Sphere	72.5	1.3	0.3	1.3	-0.2	-0.0	-1.0
Sphere1 (Sphere26)	-	Sphere	72.5	3.0	-2.5	1.8	0.5	-0.2	-1.6
Sphere15	-	Sphere	72.5	3.5	-0.3	3.5	0.5	0.8	-2.7
Sphere4	-	Sphere	100.0	5.9	3.8	4.5	-3.5	1.6	-3.6

Osth026

Position (m): 19.161, 20.679, 6.895
 Orientation: -0.00023, -0.00018, -1.00000
 Angle (°): 84.66869

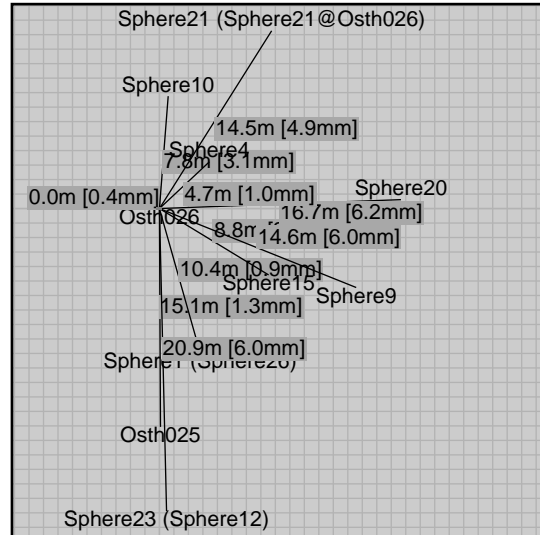
Point distance (mm): 3.24
 Point drift (mm): 1.346849

Longitudinal mismatch (mm): -0.62
 Orthogonal mismatch (mm): 2.96

Angular mismatch (°): 0.012669

Inclinometer mismatch (°): 0.000115

Inclinometer used in match: YES



Num distinct references: 6 + inclin.

Num quadrants occupied: 2 + inclin.

Matched references

Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
Osth025	-	Sphere	72.5	1.3	-0.3	1.3	-0.2	0.2	0.3
Osth026	-	Scanner	-	0.4	0.4	0.0	0.1	0.0	0.3
Sphere1 (Sphere26)	-	Sphere	72.5	0.9	-0.7	0.6	-2.0	0.1	-0.3
Sphere10	-	Sphere	72.5	3.1	-1.8	2.5	1.0	0.5	-2.0
Sphere15	-	Sphere	72.5	2.6	-1.7	1.9	-1.9	-0.5	-0.9
Sphere20	-	Sphere	72.5	6.2	-0.6	6.1	-3.8	-1.1	-3.3
Sphere21 (Sphere21@Osth026)	-	Sphere	72.5	4.9	-2.4	4.2	1.9	0.5	-3.0
Sphere23 (Sphere12)	-	Sphere	100.0	6.0	-0.0	6.0	2.6	-1.2	1.1
Sphere4	-	Sphere	100.0	1.0	-0.3	0.9	0.7	0.2	0.5
Sphere9	-	Sphere	72.5	6.0	1.2	5.9	-2.6	2.0	-3.0

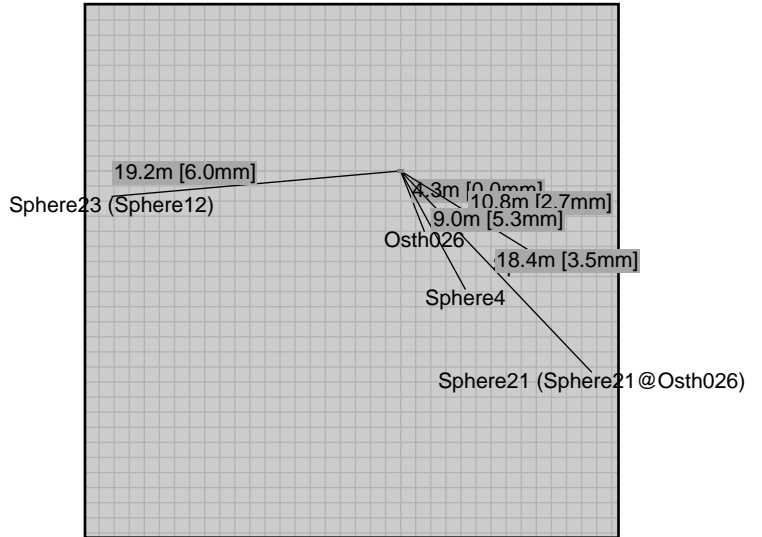
Osth027

Position (m): 16.708, 24.247, 6.970
 Orientation: -0.00886, -0.00971, 0.99991
 Angle (°): 13.09733

Point distance (mm): 3.51
 Point drift (mm): 0.000000

Longitudinal mismatch (mm): 2.35
 Orthogonal mismatch (mm): 2.08
 Angular mismatch (°): 0.008028

Inclinometer mismatch (°): 0.000044
 Inclinometer used in match: YES



Num distinct references: 3 + inclin.
 Num quadrants occupied: 2 + inclin.

Matched references

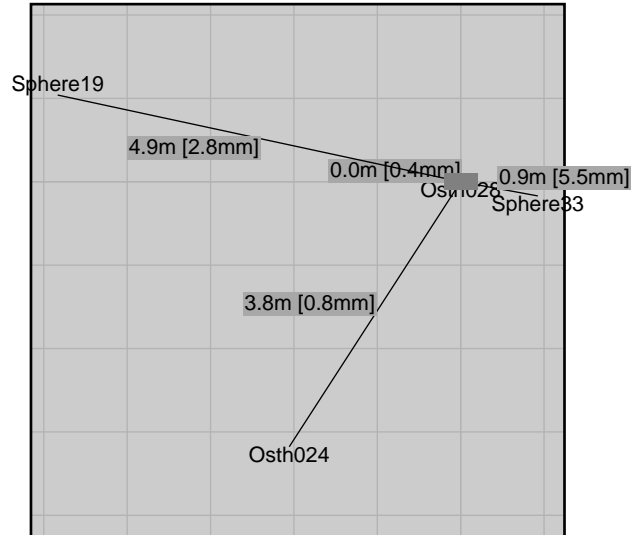
Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
Osth026	-	Sphere	72.5	0.0	-0.0	0.0	0.1	0.0	0.3
Sphere10	-	Sphere	72.5	2.7	2.2	1.5	-1.3	1.5	-0.3
Sphere21 (Sphere21@Osth026)	-	Sphere	72.5	3.5	3.3	1.3	-2.0	1.3	1.2
Sphere23 (Sphere12)	-	Sphere	100.0	6.0	1.2	5.9	1.9	4.7	2.2
Sphere4	-	Sphere	100.0	5.3	5.1	1.7	-2.1	3.9	1.8

Osth028

Position (m): 2.272, 7.436, 6.933
 Orientation: -0.00089, 0.00083, -1.00000
 Angle (°): 178.19974

Point distance (mm): 2.37
 Point drift (mm): 0.794882

Longitudinal mismatch (mm): -1.84
 Orthogonal mismatch (mm): 0.87
 Angular mismatch (°): 0.026878
 Inclinometer mismatch (°): 0.000038
 Inclinometer used in match: YES



Num distinct references: 4 + inclin.
 Num quadrants occupied: 2 + inclin.

Matched references

Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
Osth024	-	Sphere	72.5	0.8	0.0	0.8	-0.0	0.2	0.7
Osth028	-	Scanner	-	0.4	0.4	0.0	0.0	0.0	0.3
Sphere19	-	Sphere	72.5	2.8	-2.4	1.4	1.4	-1.1	0.1
Sphere33	-	Sphere	72.5	5.5	-5.4	1.3	-2.7	0.6	-0.2

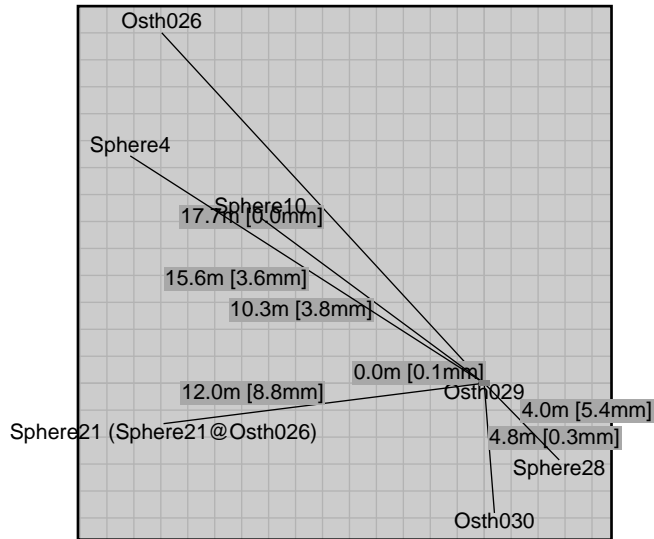
Osth029

Position (m): 36.197, 25.369, 6.963
 Orientation: -0.00056, -0.00171, 1.00000
 Angle (°): 62.77065

Point distance (mm): 3.14
 Point drift (mm): 0.132533

Longitudinal mismatch (mm): -0.01
 Orthogonal mismatch (mm): 2.19
 Angular mismatch (°): 0.015205

Inclinometer mismatch (°): 0.000040
 Inclinometer used in match: YES



Num distinct references: 5 + inclin.
 Num quadrants occupied: 3 + inclin.

Matched references

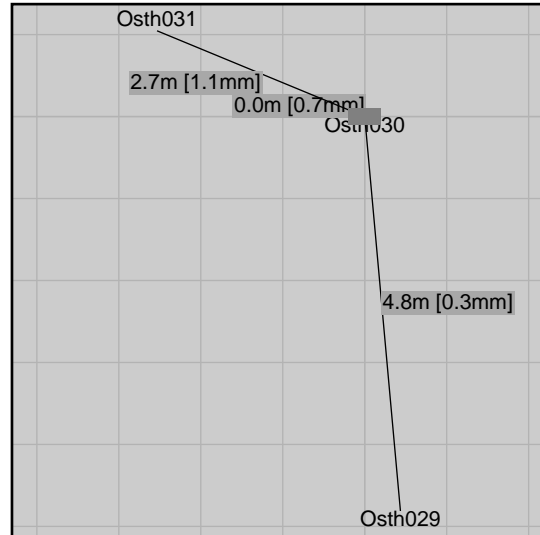
Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
Osth026	-	Sphere	72.5	0.0	-0.0	0.0	0.1	0.0	0.3
Osth029	-	Scanner	-	0.1	0.1	0.0	-0.0	0.0	0.1
Osth030	-	Sphere	72.5	0.3	-0.0	0.3	0.0	0.0	0.2
Sphere10	-	Sphere	72.5	3.8	-1.4	3.6	-0.6	-1.8	2.2
Sphere21 (Sphere21@Osth026)	-	Sphere	72.5	8.8	-6.1	6.3	-1.8	-4.8	4.1
Sphere28	-	Sphere	72.5	5.4	4.3	3.3	-2.0	0.1	-1.8
Sphere4	-	Sphere	100.0	3.6	3.1	1.9	2.7	0.5	1.7

Osth030

Position (m): 40.654, 23.503, 6.950
 Orientation: -0.00051, -0.00019, -1.00000
 Angle (°): 117.89065

Point distance (mm): 0.66
 Point drift (mm): 0.662025

Longitudinal mismatch (mm): 0.22
 Orthogonal mismatch (mm): 0.44
 Angular mismatch (°): 0.008413
 Inclinometer mismatch (°): 0.000040
 Inclinometer used in match: YES



Num distinct references: 3 + inclin.
 Num quadrants occupied: 2 + inclin.

Matched references

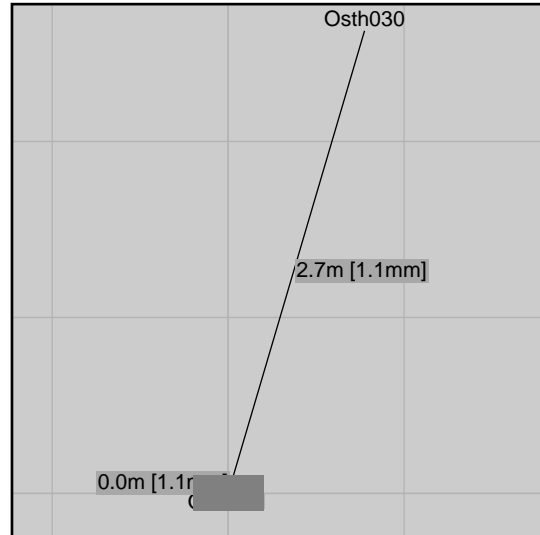
Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
Osth029	-	Sphere	72.5	0.3	0.0	0.3	0.0	-0.0	-0.2
Osth030	-	Scanner	-	0.7	0.7	0.0	0.0	0.0	0.4
Osth031	-	Sphere	72.5	1.1	-0.0	1.1	-0.0	-0.0	-0.5

Osth031

Position (m): 42.764, 25.253, 6.759
 Orientation: -0.00001, -0.00009, 1.00000
 Angle (°): 146.10026

Point distance (mm): 1.06
 Point drift (mm): 1.060935

Longitudinal mismatch (mm): 0.54
 Orthogonal mismatch (mm): 0.53
 Angular mismatch (°): 0.011058
 Inclinometer mismatch (°): 0.000053
 Inclinometer used in match: YES



Num distinct references: 2 + inclin.
 Num quadrants occupied: 1 + inclin.

Matched references

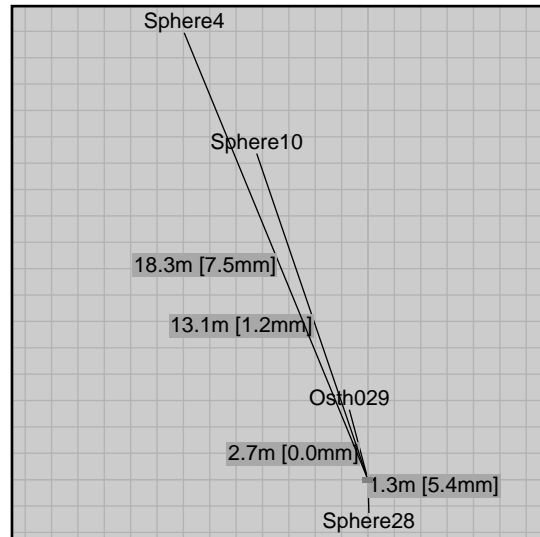
Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
Osth030	-	Sphere	72.5	1.1	0.0	1.1	-0.0	-0.0	-0.6
Osth031	-	Scanner	-	1.1	1.1	0.0	0.0	0.0	0.5

Osth032

Position (m): 38.754, 26.366, 7.011
 Orientation: 0.00009, -0.00084, 1.00000
 Angle (°): 96.40018

Point distance (mm): 3.53
 Point drift (mm): 0.000000

Longitudinal mismatch (mm): 0.81
 Orthogonal mismatch (mm): 1.04
 Angular mismatch (°): 0.021798
 Inclinometer mismatch (°): 0.000044
 Inclinometer used in match: YES



Num distinct references: 2 + inclin.
 Num quadrants occupied: 2 + inclin.

Matched references

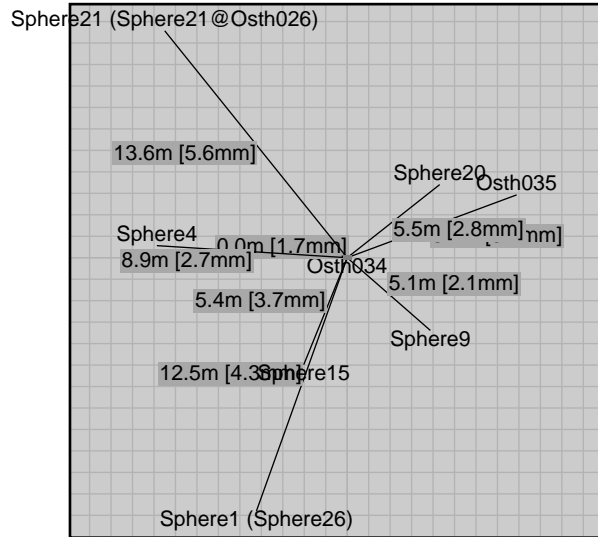
Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
Osth029	-	Sphere	72.5	0.0	-0.0	0.0	-0.0	0.0	0.1
Sphere10	-	Sphere	72.5	1.2	0.9	0.8	0.9	-0.3	0.1
Sphere28	-	Sphere	72.5	5.4	-5.0	1.9	2.0	-0.1	1.8
Sphere4	-	Sphere	100.0	7.5	7.4	1.4	5.7	3.4	-0.7

Osth034

Position (m): 19.416, 9.290, 6.958
 Orientation: -0.00024, -0.00066, -1.00000
 Angle (°): 107.97804

Point distance (mm): 3.30
 Point drift (mm): 3.441773

Longitudinal mismatch (mm): -0.60
 Orthogonal mismatch (mm): 2.40
 Angular mismatch (°): 0.016558
 Inclinator mismatch (°): 0.000116
 Inclinator used in match: YES



Num distinct references: 6 + inclin.
 Num quadrants occupied: 3 + inclin.

Matched references

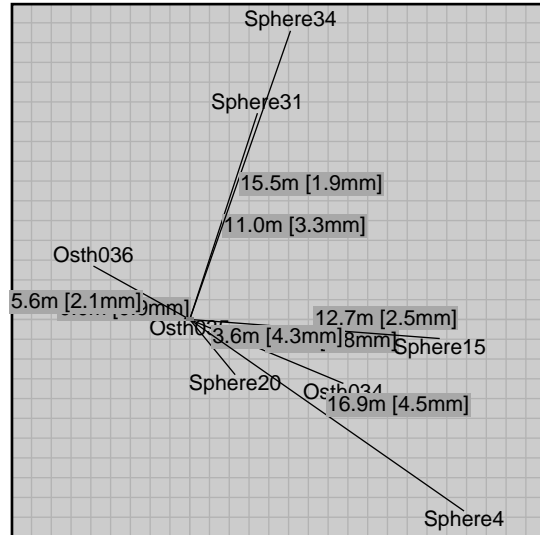
Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
Osth034	-	Scanner	-	1.7	1.7	0.0	-0.0	0.1	1.1
Osth035	-	Sphere	72.5	3.4	-0.4	3.4	0.0	-0.4	-2.7
Sphere1 (Sphere26)	-	Sphere	72.5	4.3	-0.3	4.3	-2.6	-0.8	3.1
Sphere15	-	Sphere	72.5	3.7	0.1	3.7	-1.0	-0.0	2.9
Sphere20	-	Sphere	72.5	2.8	-2.5	1.3	1.0	-1.9	-1.0
Sphere21 (Sphere21@Osth026)	-	Sphere	72.5	5.6	-4.0	3.9	1.8	3.0	-2.3
Sphere4	-	Sphere	100.0	2.7	2.3	1.3	-0.1	-2.0	1.3
Sphere9	-	Sphere	72.5	2.1	-1.7	1.3	-1.0	-1.2	0.4

Osth035

Position (m): 19.764, 0.880, 6.963
 Orientation: -0.00012, -0.00098, 1.00000
 Angle (°): 114.97138

Point distance (mm): 2.66
 Point drift (mm): 1.854398

Longitudinal mismatch (mm): 0.10
 Orthogonal mismatch (mm): 1.79
 Angular mismatch (°): 0.010443
 Inclinator mismatch (°): 0.000049
 Inclinator used in match: YES



Num distinct references: 5 + inclin.
 Num quadrants occupied: 2 + inclin.

Matched references

Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
Osth034	-	Sphere	72.5	1.8	-0.7	1.7	-0.0	0.8	-0.5
Osth035	-	Scanner	-	0.9	0.9	0.0	0.0	-0.0	0.7
Osth036	-	Sphere	72.5	2.1	-0.8	2.0	-0.0	-0.3	-1.0
Sphere15	-	Sphere	72.5	2.5	1.4	2.0	0.7	-0.8	1.8
Sphere20	-	Sphere	72.5	4.3	-4.2	0.5	1.4	3.2	0.5
Sphere31	-	Sphere	72.5	3.3	0.2	3.3	0.1	0.4	-2.6
Sphere34	-	Sphere	72.5	1.9	0.7	1.7	0.5	0.8	-0.9
Sphere4	-	Sphere	100.0	4.5	3.3	3.1	0.4	-2.8	2.8

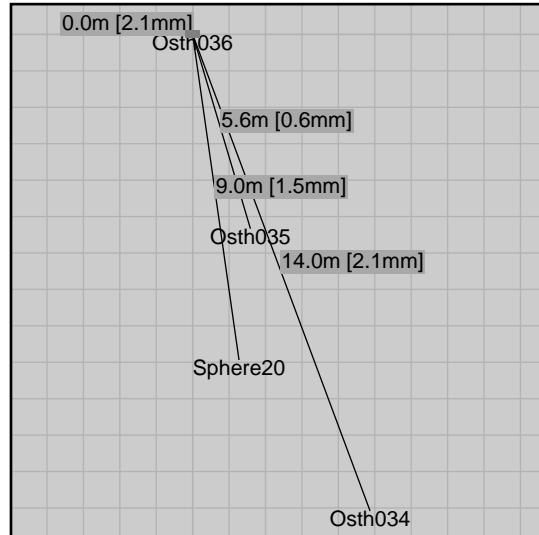
Osth036

Position (m): 19.371, -4.673, 6.492
 Orientation: 0.00035, -0.00041, 1.00000
 Angle (°): 159.39010

Point distance (mm): 1.55
 Point drift (mm): 1.068411

Longitudinal mismatch (mm): 0.68
 Orthogonal mismatch (mm): 0.88
 Angular mismatch (°): 0.004928

Inclinometer mismatch (°): 0.000097
 Inclinometer used in match: YES



Num distinct references: 2 + inclin.
 Num quadrants occupied: 1 + inclin.

Matched references

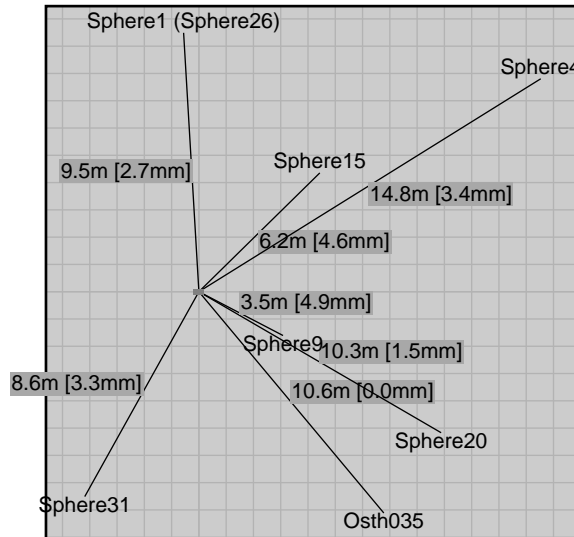
Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
Osth034	-	Sphere	72.5	2.1	1.2	1.7	0.0	-1.0	-0.6
Osth035	-	Sphere	72.5	0.6	-0.4	0.3	-0.1	0.5	0.5
Osth036	-	Scanner	-	2.1	2.1	0.0	0.0	0.3	1.0
Sphere20	-	Sphere	72.5	1.5	-0.1	1.4	0.9	-0.1	0.8

Osth037

Position (m): 11.687, 7.702, 6.647
 Orientation: -0.00697, 0.00038, 0.99998
 Angle (°): 9.92672

Point distance (mm): 2.92
 Point drift (mm): 0.000000

Longitudinal mismatch (mm): -0.61
 Orthogonal mismatch (mm): 2.23
 Angular mismatch (°): 0.018623
 Inclinator mismatch (°): 0.000044
 Inclinator used in match: YES



Num distinct references: 5 + inclin.
 Num quadrants occupied: 3 + inclin.

Matched references

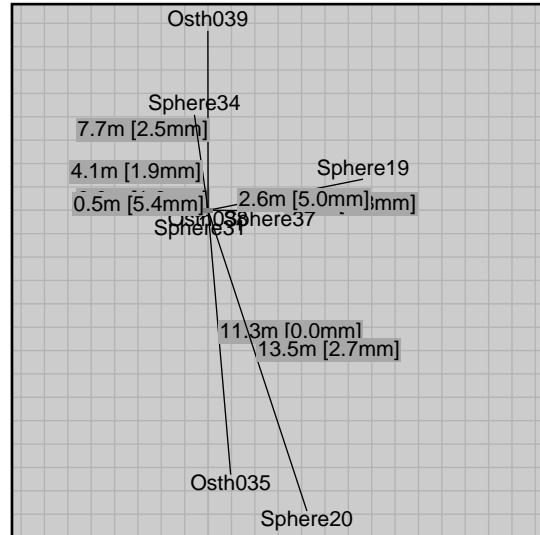
Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
Osth035	-	Sphere	72.5	0.0	-0.0	0.0	0.0	-0.0	0.7
Sphere1 (Sphere26)	-	Sphere	72.5	2.7	-1.0	2.5	-2.4	0.6	1.7
Sphere15	-	Sphere	72.5	4.6	-2.9	3.5	1.2	2.8	2.3
Sphere20	-	Sphere	72.5	1.5	-0.9	1.3	0.8	0.3	0.9
Sphere31	-	Sphere	72.5	3.3	2.1	2.6	-0.9	2.2	1.2
Sphere4	-	Sphere	100.0	3.4	2.2	2.6	-2.3	-0.2	2.0
Sphere9	-	Sphere	72.5	4.9	-3.8	3.2	3.6	0.4	0.8

Osth038

Position (m): 8.460, -0.081, 6.529
 Orientation: -0.00023, -0.00045, 1.00000
 Angle (°): 89.96849

Point distance (mm): 2.70
 Point drift (mm): 1.259480

Longitudinal mismatch (mm): -1.00
 Orthogonal mismatch (mm): 1.37
 Angular mismatch (°): 0.015512
 Inclinator mismatch (°): 0.000113
 Inclinator used in match: YES



Num distinct references: 5 + inclin.
 Num quadrants occupied: 3 + inclin.

Matched references

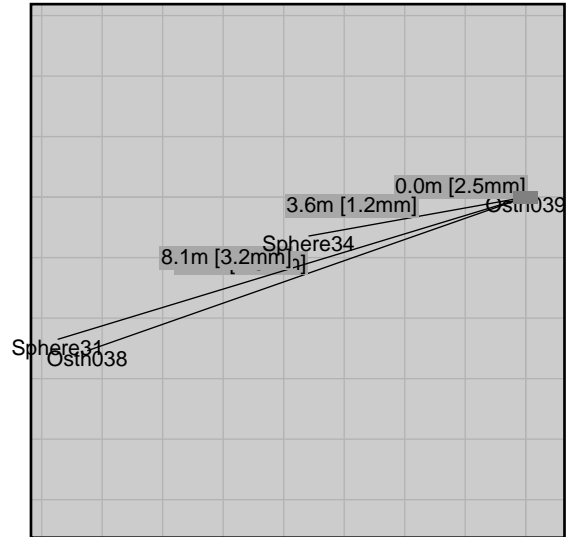
Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
Osth035	-	Sphere	72.5	0.0	-0.0	0.0	0.0	-0.0	0.7
Osth038	-	Scanner	-	1.3	1.3	0.0	-0.0	0.0	0.8
Osth039	-	Sphere	72.5	2.5	0.1	2.5	0.0	0.0	-1.3
Sphere19	-	Sphere	72.5	2.8	1.6	2.3	-1.0	-1.3	-0.9
Sphere20	-	Sphere	72.5	2.7	0.5	2.7	-0.3	-0.5	2.2
Sphere31	-	Sphere	72.5	5.4	-5.3	0.2	2.0	-1.5	3.5
Sphere34	-	Sphere	72.5	1.9	-1.4	1.3	-1.1	-0.4	0.6
Sphere37	-	Sphere	72.5	5.0	-4.7	1.9	-0.4	2.4	-0.6

Osth039

Position (m): 0.782, -0.085, 6.717
 Orientation: 0.00056, -0.00017, 1.00000
 Angle (°): 160.72208

Point distance (mm): 2.35
 Point drift (mm): 2.520426

Longitudinal mismatch (mm): 0.65
 Orthogonal mismatch (mm): 1.59
 Angular mismatch (°): 0.013078
 Inclinometer mismatch (°): 0.000026
 Inclinometer used in match: YES



Num distinct references: 2 + inclin.
 Num quadrants occupied: 1 + inclin.

Matched references

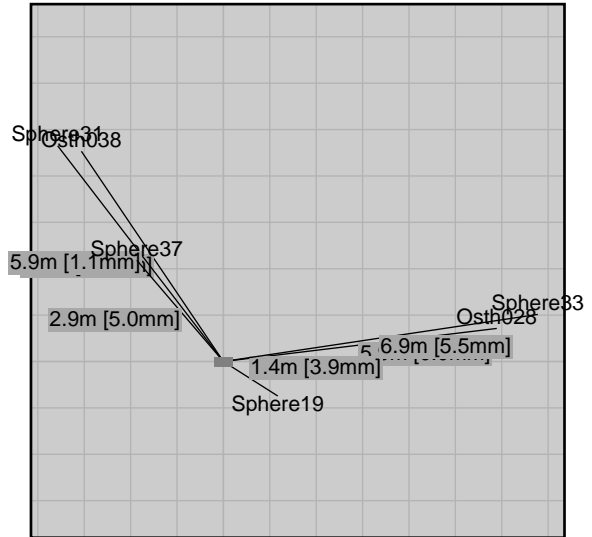
Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
Osth038	-	Sphere	72.5	2.5	-0.1	2.5	0.0	0.0	-1.7
Osth039	-	Scanner	-	2.5	2.5	0.0	-0.0	-0.0	1.3
Sphere31	-	Sphere	72.5	3.2	1.0	3.0	-0.7	-0.5	-2.4
Sphere34	-	Sphere	72.5	1.2	-0.8	0.8	0.6	-0.4	0.3

Osth040

Position (m): 7.831, 5.353, 6.716
 Orientation: 0.00037, -0.00004, 1.00000
 Angle (°): 152.56256

Point distance (mm): 2.60
 Point drift (mm): 0.000000

Longitudinal mismatch (mm): -0.52
 Orthogonal mismatch (mm): 0.92
 Angular mismatch (°): 0.023290
 Inclinator mismatch (°): 0.000044
 Inclinator used in match: YES



Num distinct references: 3 + inclin.
 Num quadrants occupied: 2 + inclin.

Matched references

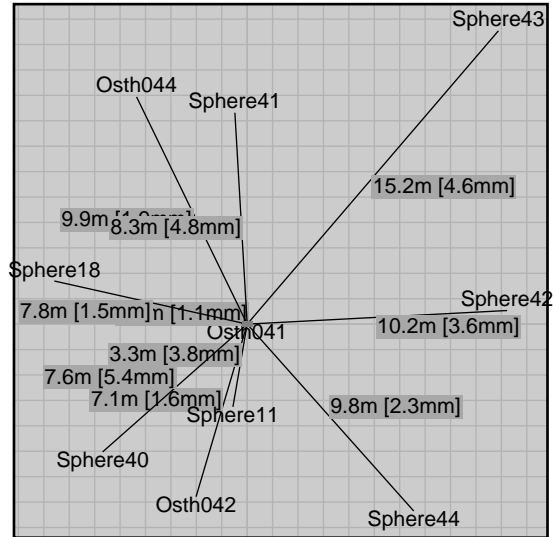
Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
Osth028	-	Sphere	72.5	0.0	-0.0	0.0	0.0	0.0	0.3
Osth038	-	Sphere	72.5	0.0	-0.0	0.0	-0.0	-0.0	0.8
Sphere19	-	Sphere	72.5	3.9	-2.9	2.6	-0.5	2.4	0.8
Sphere31	-	Sphere	72.5	1.1	-0.7	0.9	-0.5	-0.6	0.4
Sphere33	-	Sphere	72.5	5.5	5.4	1.0	2.7	-0.6	0.2
Sphere37	-	Sphere	72.5	5.0	-4.9	1.0	0.4	-2.4	0.6

Osth041

Position (m): 6.624, 9.745, 10.181
 Orientation: -0.00260, -0.00047, -1.00000
 Angle (°): 23.30780

Point distance (mm): 3.06
 Point drift (mm): 1.720184

Longitudinal mismatch (mm): 0.85
 Orthogonal mismatch (mm): 2.00
 Angular mismatch (°): 0.014006
 Inclinator mismatch (°): 0.000103
 Inclinator used in match: YES



Num distinct references: 9 + inclin.
 Num quadrants occupied: 4 + inclin.

Matched references

Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
Osth041	-	Scanner	-	1.1	1.1	0.0	-0.1	-0.1	0.8
Osth042	-	Sphere	72.5	1.6	0.4	1.5	0.1	0.2	-0.8
Osth044	-	Sphere	72.5	1.9	-0.2	1.9	0.3	0.1	-0.8
Sphere11	-	Sphere	72.5	3.8	-3.5	1.4	-2.4	-2.5	-0.8
Sphere18	-	Sphere	72.5	1.5	-0.7	1.3	-0.7	0.5	-1.5
Sphere40	-	Sphere	72.5	5.4	5.1	2.0	2.6	0.4	-0.6
Sphere41	-	Sphere	72.5	4.8	2.0	4.3	-1.0	-1.2	3.5
Sphere42	-	Sphere	72.5	3.6	-0.3	3.6	-0.7	-2.6	0.1
Sphere43	-	Sphere	100.0	4.6	4.2	1.9	-2.4	-2.0	1.5
Sphere44	-	Sphere	100.0	2.3	0.5	2.2	-1.4	-0.1	0.6

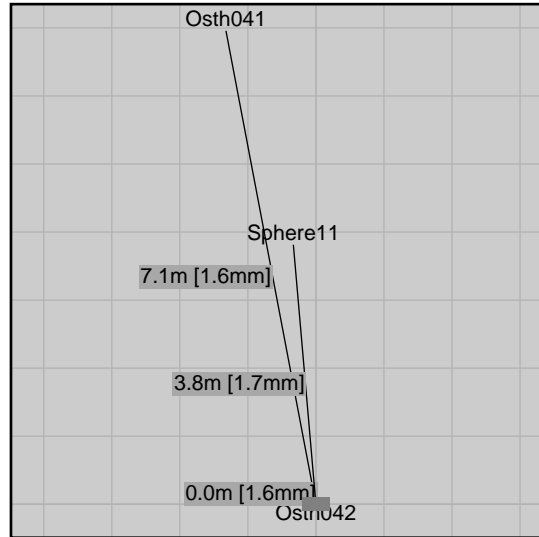
Osth042

Position (m): 2.090, 4.304, 9.793
 Orientation: -0.00227, 0.00035, -1.00000
 Angle (°): 50.56803

Point distance (mm): 1.63
 Point drift (mm): 1.574194

Longitudinal mismatch (mm): -0.13
 Orthogonal mismatch (mm): 0.75
 Angular mismatch (°): 0.007775

Inclinometer mismatch (°): 0.000042
 Inclinometer used in match: YES



Num distinct references: 2 + inclin.
 Num quadrants occupied: 1 + inclin.

Matched references

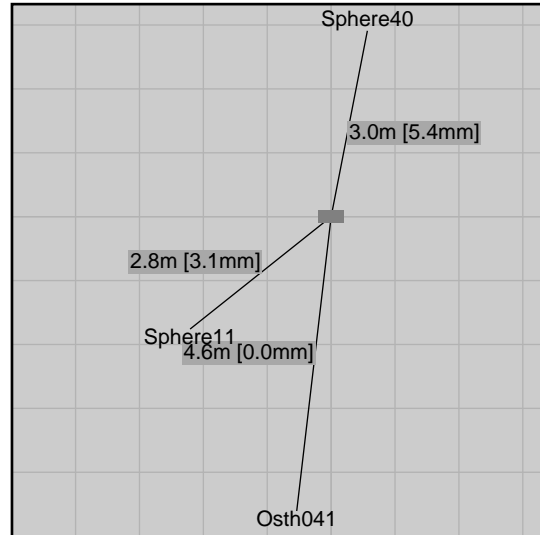
Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
Osth041	-	Sphere	72.5	1.6	-0.4	1.5	0.2	0.2	-0.7
Osth042	-	Scanner	-	1.6	1.6	0.0	-0.1	-0.2	0.8
Sphere11	-	Sphere	72.5	1.7	-1.6	0.7	0.0	0.5	-0.9

Osth043

Position (m): 2.263, 8.169, 9.769
 Orientation: -0.00020, -0.00161, 1.00000
 Angle (°): 116.55129

Point distance (mm): 2.86
 Point drift (mm): 0.000000

Longitudinal mismatch (mm): -1.75
 Orthogonal mismatch (mm): 1.79
 Angular mismatch (°): 0.035232
 Inclinometer mismatch (°): 0.000044
 Inclinometer used in match: YES



Num distinct references: 3 + inclin.
 Num quadrants occupied: 2 + inclin.

Matched references

Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
Osth041	-	Sphere	72.5	0.0	-0.0	0.0	-0.1	-0.1	0.8
Sphere11	-	Sphere	72.5	3.1	-0.3	3.1	-1.2	-1.3	0.7
Sphere40	-	Sphere	72.5	5.4	-5.0	2.2	-2.6	-0.4	0.6

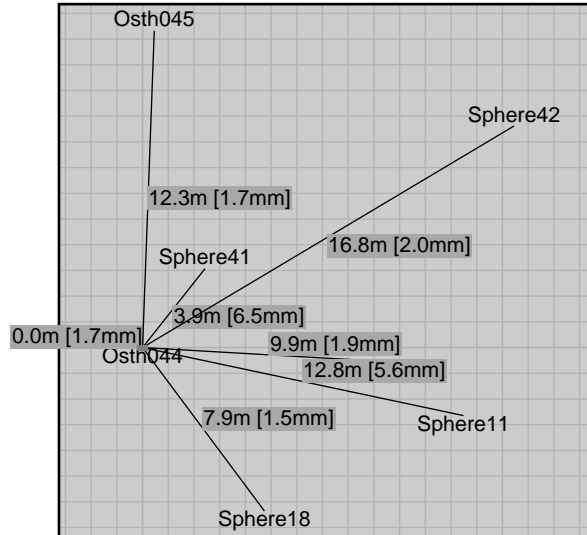
Osth044

Position (m): 6.165, 19.675, 9.700
 Orientation: -0.00199, 0.00212, -1.00000
 Angle (°): 84.06088

Point distance (mm): 2.99
 Point drift (mm): 1.741268

Longitudinal mismatch (mm): 0.43
 Orthogonal mismatch (mm): 2.34
 Angular mismatch (°): 0.019333

Inclinometer mismatch (°): 0.000126
 Inclinometer used in match: YES



Num distinct references: 6 + inclin.
 Num quadrants occupied: 2 + inclin.

Matched references

Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
Osth041	-	Sphere	72.5	1.9	0.2	1.9	-0.1	-0.0	-1.0
Osth044	-	Scanner	-	1.7	1.7	0.0	0.3	-0.0	1.1
Osth045	-	Sphere	72.5	1.7	0.8	1.5	-0.5	-0.1	2.3
Sphere11	-	Sphere	72.5	5.6	3.9	4.1	-0.5	2.8	-4.4
Sphere18	-	Sphere	72.5	1.5	-0.9	1.2	-0.8	-0.8	-0.7
Sphere41	-	Sphere	72.5	6.5	-3.0	5.7	1.6	-2.0	4.5
Sphere42	-	Sphere	72.5	2.0	0.3	1.9	0.6	0.9	-1.0

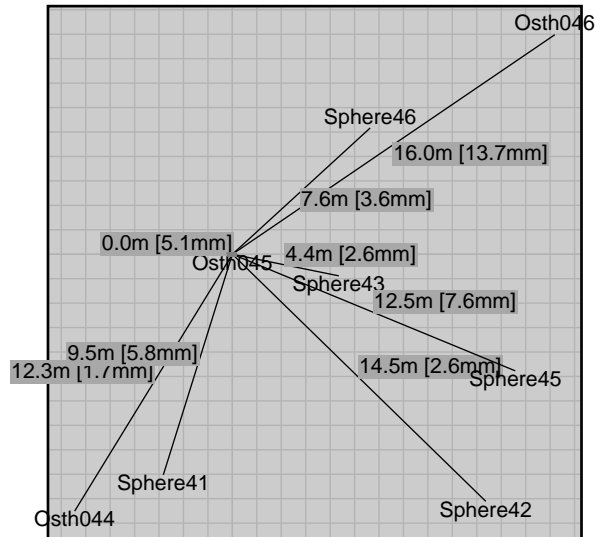
Osth045

Position (m): 18.468, 20.497, 9.743
 Orientation: -0.00048, -0.00144, -1.00000
 Angle (°): 54.62805

Point distance (mm): 5.32
 Point drift (mm): 7.594856

Longitudinal mismatch (mm): 0.26
 Orthogonal mismatch (mm): 4.20
 Angular mismatch (°): 0.019688

Inclinometer mismatch (°): 0.001116
 Inclinometer used in match: YES



Num distinct references: 5 + inclin.
 Num quadrants occupied: 2 + inclin.

Matched references

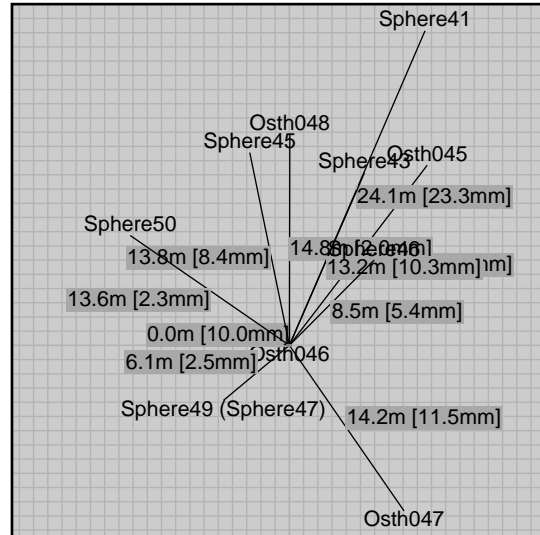
Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
Osth044	-	Sphere	72.5	1.7	-0.8	1.5	-0.5	-0.1	-0.4
Osth045	-	Scanner	-	5.1	5.1	0.0	0.2	-0.0	3.8
Osth046	-	Sphere	72.5	13.7	0.2	13.7	-0.0	0.1	-6.2
Sphere41	-	Sphere	72.5	5.8	-1.2	5.6	-0.9	-0.6	4.5
Sphere42	-	Sphere	72.5	2.6	0.6	2.5	-0.4	0.7	-1.8
Sphere43	-	Sphere	100.0	2.6	2.6	0.4	-0.5	1.8	0.6
Sphere45	-	Sphere	72.5	7.6	-1.7	7.4	-0.8	-1.3	-4.8
Sphere46	-	Sphere	72.5	3.6	-2.7	2.5	1.7	-0.4	-1.7

Osth046

Position (m): 33.429, 14.939, 9.821
 Orientation: -0.00048, -0.00178, 1.00000
 Angle (°): 107.04352

Point distance (mm): 9.29
 Point drift (mm): 9.992735

Longitudinal mismatch (mm): 1.33
 Orthogonal mismatch (mm): 8.05
 Angular mismatch (°): 0.030306
 Inclinator mismatch (°): 0.001619
 Inclinator used in match: YES



Num distinct references: 7 + inclin.
 Num quadrants occupied: 3 + inclin.

Matched references

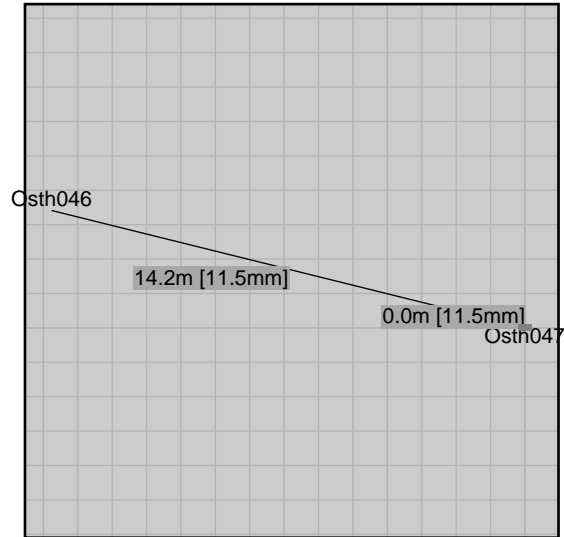
Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
Osth045	-	Sphere	72.5	17.1	0.2	17.1	0.0	-1.3	-13.3
Osth046	-	Scanner	-	10.0	10.0	0.0	0.1	0.0	7.5
Osth047	-	Sphere	72.5	11.5	0.1	11.5	-0.0	-0.1	-5.7
Osth048	-	Sphere	72.5	2.0	0.2	2.0	-0.1	0.7	-0.7
Sphere41	-	Sphere	72.5	23.3	0.5	23.3	0.5	0.5	-18.7
Sphere43	-	Sphere	100.0	10.3	3.8	9.6	3.4	-1.0	-6.9
Sphere45	-	Sphere	72.5	8.4	1.3	8.3	-0.1	1.9	5.3
Sphere46	-	Sphere	72.5	5.4	-1.4	5.3	-1.6	-1.2	-3.0
Sphere49 (Sphere47)	-	Sphere	72.5	2.5	-2.2	1.3	1.5	-0.6	4.0
Sphere50	-	Sphere	100.0	2.3	0.8	2.1	1.4	0.1	-0.6

Osth047

Position (m): 42.205, 26.071, 9.740
 Orientation: 0.00071, -0.00178, 1.00000
 Angle (°): 65.67777

Point distance (mm): 11.45
 Point drift (mm): 11.453545

Longitudinal mismatch (mm): 5.68
 Orthogonal mismatch (mm): 5.73
 Angular mismatch (°): 0.023145
 Inclinator mismatch (°): 0.000962
 Inclinator used in match: YES



Num distinct references: 2 + inclin.
 Num quadrants occupied: 1 + inclin.

Matched references

Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
Osth046	-	Sphere	72.5	11.5	-0.1	11.5	0.0	-0.1	-4.0
Osth047	-	Scanner	-	11.5	11.5	0.0	0.0	0.1	5.7

Osth048

Position (m): 19.234, 10.618, 10.004

Orientation: -0.00207, 0.00048, -1.00000

Angle (°): 51.06346

Point distance (mm): 4.61

Point drift (mm): 1.022678

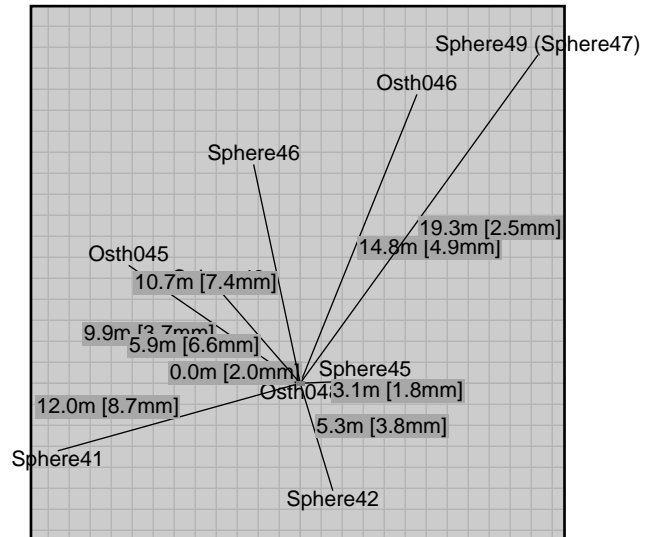
Longitudinal mismatch (mm): -0.08

Orthogonal mismatch (mm): 4.02

Angular mismatch (°): 0.025669

Inclinometer mismatch (°): 0.000375

Inclinometer used in match: YES



Num distinct references: 7 + inclin.

Num quadrants occupied: 3 + inclin.

Matched references

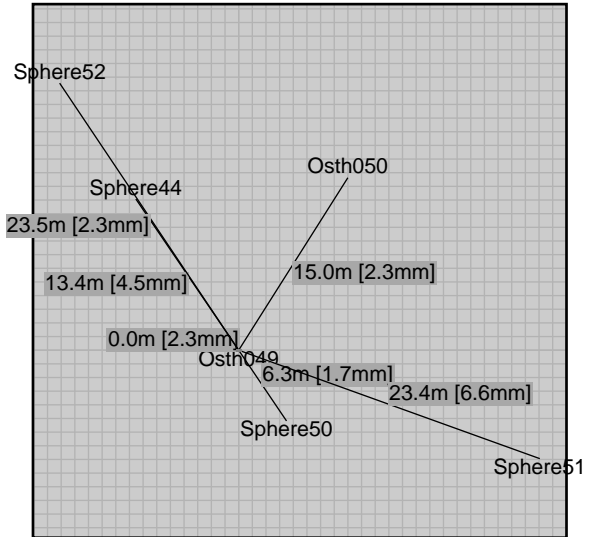
Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
Osth045	-	Sphere	72.5	3.7	-1.3	3.4	0.3	1.4	7.2
Osth046	-	Sphere	72.5	4.9	0.2	4.9	-0.2	0.0	2.6
Osth048	-	Scanner	-	2.0	2.0	0.0	0.1	-0.7	0.7
Sphere41	-	Sphere	72.5	8.7	-2.5	8.4	-0.3	3.3	6.2
Sphere42	-	Sphere	72.5	3.8	2.3	3.1	0.5	1.1	2.6
Sphere43	-	Sphere	100.0	6.6	0.0	6.6	-0.5	1.1	4.8
Sphere45	-	Sphere	72.5	1.8	-1.7	0.7	1.0	-0.5	-0.5
Sphere46	-	Sphere	72.5	7.4	-1.6	7.3	-0.1	1.6	4.7
Sphere49 (Sphere47)	-	Sphere	72.5	2.5	1.6	1.9	-0.3	0.8	2.9

Osth049

Position (m): 23.084, 1.477, 12.673
 Orientation: 0.00048, 0.00009, 1.00000
 Angle (°): 60.40552

Point distance (mm): 3.29
 Point drift (mm): 2.334499

Longitudinal mismatch (mm): 0.96
 Orthogonal mismatch (mm): 2.66
 Angular mismatch (°): 0.009421
 Inclinator mismatch (°): 0.000220
 Inclinator used in match: YES



Num distinct references: 5 + inclin.
 Num quadrants occupied: 2 + inclin.

Matched references

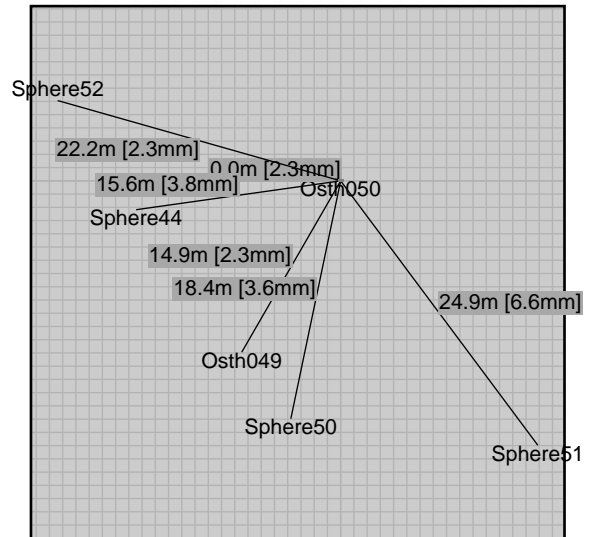
Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
Osth049	-	Scanner	-	2.3	2.3	0.0	0.1	-0.1	1.2
Osth050	-	Sphere	72.5	2.3	0.0	2.3	-0.1	0.1	-1.2
Sphere44	-	Sphere	72.5	4.5	2.6	3.7	2.0	-2.3	0.1
Sphere50	-	Sphere	72.5	1.7	-1.1	1.3	1.0	-0.1	0.5
Sphere51	-	Sphere	100.0	6.6	1.4	6.4	1.5	-2.5	1.7
Sphere52	-	Sphere	100.0	2.3	0.5	2.2	1.7	-0.9	0.7

Osth050

Position (m): 16.050, 14.669, 14.309
 Orientation: -0.00099, -0.00175, 1.00000
 Angle (°): 58.05557

Point distance (mm): 3.48
 Point drift (mm): 2.334569

Longitudinal mismatch (mm): 1.69
 Orthogonal mismatch (mm): 2.67
 Angular mismatch (°): 0.007725
 Inclinator mismatch (°): 0.000190
 Inclinator used in match: YES



Num distinct references: 5 + inclin.
 Num quadrants occupied: 2 + inclin.

Matched references

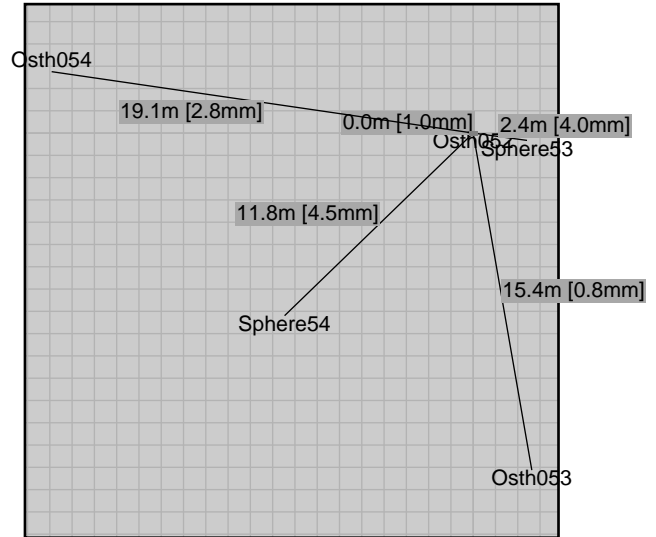
Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
Osth049	-	Sphere	72.5	2.3	-0.0	2.3	-0.1	0.1	-1.2
Osth050	-	Scanner	-	2.3	2.3	0.0	0.1	-0.1	1.2
Sphere44	-	Sphere	72.5	3.8	2.6	2.8	-0.6	2.4	-0.6
Sphere50	-	Sphere	72.5	3.6	2.5	2.6	-2.4	-0.0	0.0
Sphere51	-	Sphere	100.0	6.6	2.4	6.1	-1.5	3.1	-0.2
Sphere52	-	Sphere	100.0	2.3	0.4	2.2	1.3	0.6	-0.9

Osth052

Position (m): -2.408, 11.019, 2.431
 Orientation: -0.00020, 0.00082, -1.00000
 Angle (°): 49.08871

Point distance (mm): 2.64
 Point drift (mm): 1.024852

Longitudinal mismatch (mm): -0.35
 Orthogonal mismatch (mm): 1.78
 Angular mismatch (°): 0.010830
 Inclinometer mismatch (°): 0.000436
 Inclinometer used in match: YES



Num distinct references: 5 + inclin.
 Num quadrants occupied: 3 + inclin.

Matched references

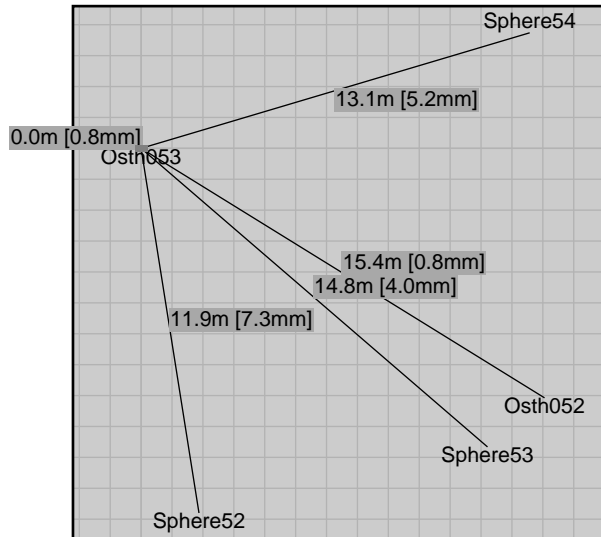
Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
Osth052	-	Scanner	-	1.0	1.0	0.0	-0.0	-0.1	0.7
Osth053	-	Sphere	72.5	0.8	0.3	0.8	0.1	0.1	0.4
Osth054	-	Sphere	72.5	2.8	-0.1	2.8	0.1	0.1	-0.5
Sphere53	-	Sphere	72.5	4.0	-3.9	0.9	0.9	-1.7	0.5
Sphere54	-	Sphere	72.5	4.5	1.0	4.4	0.3	0.0	3.0

Osth053

Position (m): -12.117, -0.876, 2.155
 Orientation: -0.03711, 0.00268, 0.99931
 Angle (°): 82.48897

Point distance (mm): 3.65
 Point drift (mm): 0.818769

Longitudinal mismatch (mm): -0.39
 Orthogonal mismatch (mm): 3.43
 Angular mismatch (°): 0.014028
 Inclinator mismatch (°): 0.000138
 Inclinator used in match: YES



Num distinct references: 4 + inclin.
 Num quadrants occupied: 2 + inclin.

Matched references

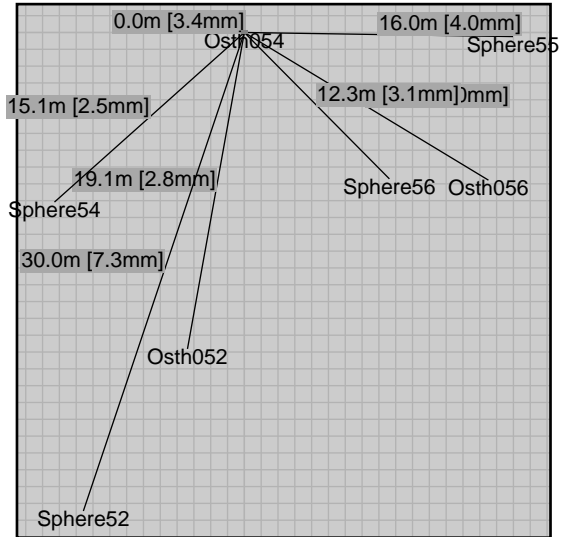
Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
Osth052	-	Sphere	72.5	0.8	-0.3	0.8	0.1	0.1	1.4
Osth053	-	Scanner	-	0.8	0.8	0.0	-0.1	-0.1	-0.4
Sphere52	-	Sphere	100.0	7.3	-0.6	7.3	-2.3	-2.8	2.2
Sphere53	-	Sphere	72.5	4.0	-0.9	3.9	-0.9	1.7	-0.5
Sphere54	-	Sphere	72.5	5.2	-1.0	5.1	-2.0	0.1	-2.9

Osth054

Position (m): -12.715, 27.120, 2.468
 Orientation: 0.00001, -0.00033, 1.00000
 Angle (°): 42.81514

Point distance (mm): 3.87
 Point drift (mm): 3.387104

Longitudinal mismatch (mm): 1.29
 Orthogonal mismatch (mm): 2.83
 Angular mismatch (°): 0.008951
 Inclinator mismatch (°): 0.000659
 Inclinator used in match: YES



Num distinct references: 5 + inclin.
 Num quadrants occupied: 2 + inclin.

Matched references

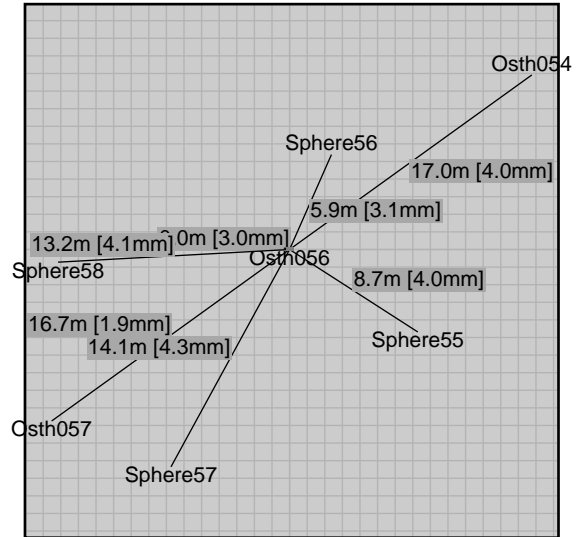
Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
Osth052	-	Sphere	72.5	2.8	0.1	2.8	-0.1	-0.0	-2.1
Osth054	-	Scanner	-	3.4	3.4	0.0	0.2	0.0	2.3
Osth056	-	Sphere	72.5	4.0	0.4	4.0	-0.3	-0.1	-2.0
Sphere52	-	Sphere	100.0	7.3	5.5	4.9	-0.6	3.1	-2.0
Sphere54	-	Sphere	72.5	2.5	0.0	2.5	1.6	-0.1	-0.1
Sphere55	-	Sphere	72.5	4.0	1.9	3.6	-0.5	-0.8	-1.8
Sphere56	-	Sphere	72.5	3.1	-2.2	2.1	1.0	-0.1	-1.2

Osth056

Position (m): 3.901, 30.543, 1.950
 Orientation: 0.00091, -0.00073, 1.00000
 Angle (°): 155.86624

Point distance (mm): 3.49
 Point drift (mm): 2.958350

Longitudinal mismatch (mm): -0.39
 Orthogonal mismatch (mm): 2.92
 Angular mismatch (°): 0.015128
 Inclinator mismatch (°): 0.000316
 Inclinator used in match: YES



Num distinct references: 7 + inclin.
 Num quadrants occupied: 3 + inclin.

Matched references

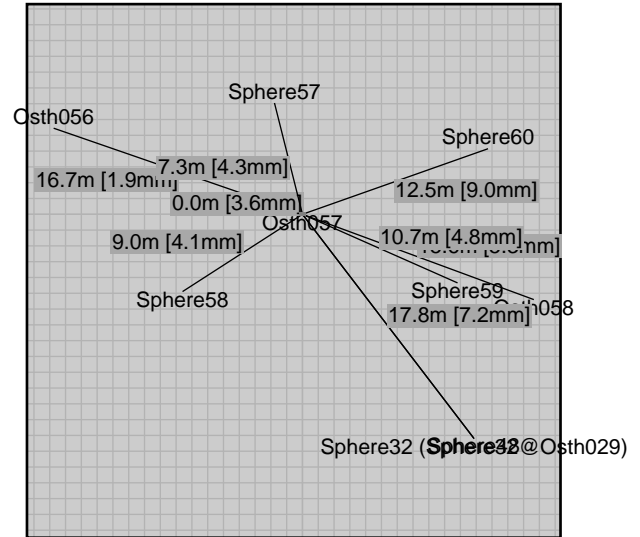
Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
Osth054	-	Sphere	72.5	4.0	-0.4	4.0	-0.3	-0.1	-1.7
Osth056	-	Scanner	-	3.0	3.0	0.0	0.2	0.0	2.0
Osth057	-	Sphere	72.5	1.9	0.1	1.9	-0.1	-0.0	0.5
Sphere55	-	Sphere	72.5	4.0	-1.3	3.8	0.5	0.8	1.8
Sphere56	-	Sphere	72.5	3.1	-0.8	2.9	-1.0	0.1	1.2
Sphere57	-	Sphere	72.5	4.3	-2.1	3.8	1.9	-0.8	0.8
Sphere58	-	Sphere	72.5	4.1	-1.3	3.9	0.6	-0.4	-1.9

Osth057

Position (m): 20.226, 33.910, 2.244
 Orientation: 0.00035, -0.00151, 1.00000
 Angle (°): 30.73708

Point distance (mm): 5.08
 Point drift (mm): 3.603882

Longitudinal mismatch (mm): -0.57
 Orthogonal mismatch (mm): 4.11
 Angular mismatch (°): 0.017681
 Inclinator mismatch (°): 0.000296
 Inclinator used in match: YES



Num distinct references: 7 + inclin.
 Num quadrants occupied: 3 + inclin.

Matched references

Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
Osth056	-	Sphere	72.5	1.9	-0.1	1.9	0.1	0.0	0.0
Osth057	-	Scanner	-	3.6	3.6	0.0	0.0	0.0	2.4
Osth058	-	Sphere	72.5	5.3	-0.0	5.3	0.1	-0.0	-2.3
Sphere32 (Sphere32@Osth029)	-	Sphere	72.5	5.3	-0.1	5.3	-1.5	3.4	-1.2
Sphere48	-	Sphere	72.5	7.2	-0.8	7.2	0.2	4.1	-1.0
Sphere57	-	Sphere	72.5	4.3	-3.6	2.4	-1.9	0.8	-0.8
Sphere58	-	Sphere	72.5	4.1	0.3	4.1	-0.6	0.4	1.9
Sphere59	-	Sphere	72.5	4.8	-4.6	1.7	2.1	1.1	-0.5
Sphere60	-	Sphere	72.5	9.0	0.2	9.0	-0.6	0.9	-4.4

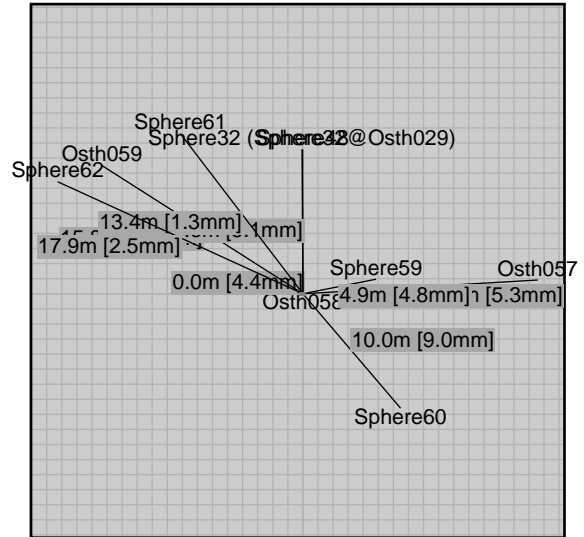
Osth058

Position (m): 35.577, 36.754, 2.397
 Orientation: -0.00005, 0.00020, -1.00000
 Angle (°): 172.85001

Point distance (mm): 4.45
 Point drift (mm): 4.401729

Longitudinal mismatch (mm): -0.44
 Orthogonal mismatch (mm): 2.71
 Angular mismatch (°): 0.014344

Inclinometer mismatch (°): 0.000403
 Inclinometer used in match: YES



Num distinct references: 6 + inclin.
 Num quadrants occupied: 3 + inclin.

Matched references

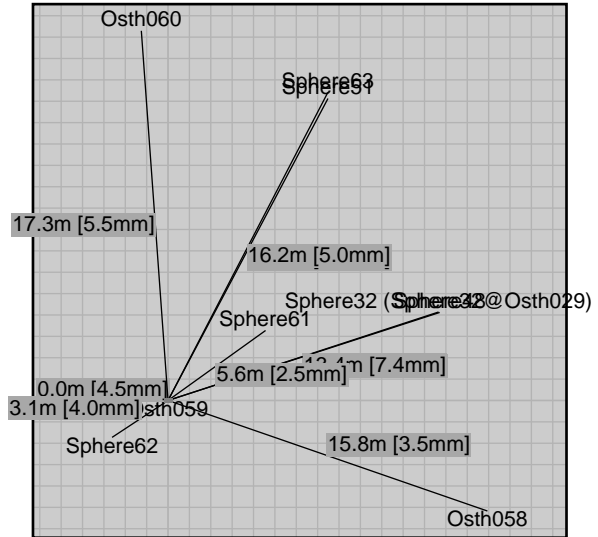
Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
Osth057	-	Sphere	72.5	5.3	0.0	5.3	0.1	0.0	-2.9
Osth058	-	Scanner	-	4.4	4.4	0.0	0.0	-0.0	2.9
Osth059	-	Sphere	72.5	3.5	0.1	3.5	-0.1	-0.1	-0.5
Sphere32 (Sphere32@Osth029)	-	Sphere	72.5	4.1	-3.9	1.3	-2.4	-1.9	-0.1
Sphere48	-	Sphere	72.5	5.1	-5.0	1.1	-0.1	-2.6	-0.9
Sphere59	-	Sphere	72.5	4.8	-4.2	2.4	-2.1	-1.1	0.5
Sphere60	-	Sphere	72.5	9.0	1.3	9.0	0.6	-0.9	4.4
Sphere61	-	Sphere	72.5	1.3	1.2	0.5	-0.5	0.6	0.4
Sphere62	-	Sphere	72.5	2.5	2.1	1.3	-1.6	-0.4	0.0

Osth059

Position (m): 49.863, 29.976, 2.241
 Orientation: 0.00040, -0.00082, 1.00000
 Angle (°): 173.70288

Point distance (mm): 4.72
 Point drift (mm): 4.509725

Longitudinal mismatch (mm): -0.45
 Orthogonal mismatch (mm): 3.97
 Angular mismatch (°): 0.020598
 Inclinator mismatch (°): 0.000686
 Inclinator used in match: YES



Num distinct references: 6 + inclin.
 Num quadrants occupied: 3 + inclin.

Matched references

Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
Osth058	-	Sphere	72.5	3.5	-0.1	3.5	-0.1	0.0	-0.6
Osth059	-	Scanner	-	4.5	4.5	0.0	0.0	-0.1	3.0
Osth060	-	Sphere	72.5	5.5	0.2	5.5	0.0	0.1	-2.7
Sphere32 (Sphere32@Osth029)	-	Sphere	72.5	4.8	-1.3	4.6	-4.3	-1.1	-4.5
Sphere48	-	Sphere	72.5	7.4	-0.8	7.4	-3.8	-1.7	-6.8
Sphere51	-	Sphere	100.0	5.3	-1.2	5.1	-0.7	-2.2	-2.5
Sphere61	-	Sphere	72.5	2.5	-2.1	1.2	-0.9	-1.4	-0.2
Sphere62	-	Sphere	72.5	4.0	-1.0	3.9	1.7	0.3	2.0
Sphere63	-	Sphere	72.5	5.0	-2.3	4.4	0.4	-1.7	-1.8

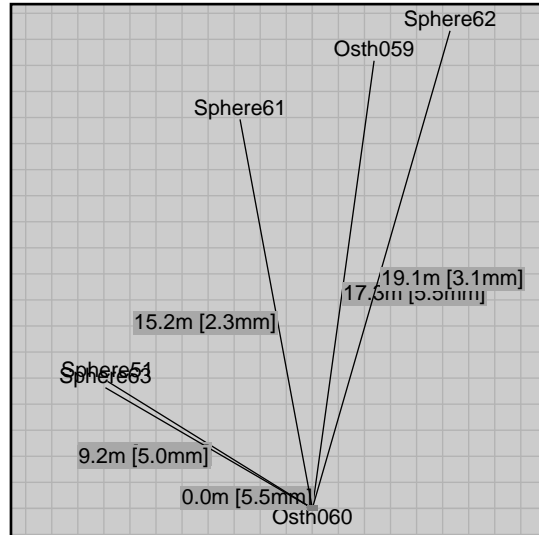
Osth060

Position (m): 49.207, 12.648, 2.003
 Orientation: -0.01786, -0.01608, 0.99971
 Angle (°): 5.68825

Point distance (mm): 4.44
 Point drift (mm): 5.492838

Longitudinal mismatch (mm): -0.15
 Orthogonal mismatch (mm): 3.26
 Angular mismatch (°): 0.013378

Inclinometer mismatch (°): 0.000674
 Inclinometer used in match: YES



Num distinct references: 4 + inclin.
 Num quadrants occupied: 1 + inclin.

Matched references

Name	Surveyed	Type	Size	Dist.	Long.	Orth.	dX	dY	dZ
Osth059	-	Sphere	72.5	5.5	-0.2	5.5	0.0	0.2	-2.5
Osth060	-	Scanner	-	5.5	5.5	0.0	-0.0	-0.1	2.7
Sphere51	-	Sphere	100.0	5.3	-2.9	4.4	0.7	1.5	1.0
Sphere61	-	Sphere	72.5	2.3	-0.6	2.2	1.3	0.8	-0.3
Sphere62	-	Sphere	72.5	3.1	-0.3	3.1	-0.1	0.1	-2.1
Sphere63	-	Sphere	72.5	5.0	-2.3	4.4	-0.4	1.7	1.8