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Refinement Report

TEE

Tuesday, July 8, 2025



1 Reg. Set



18 Stations

Project Summary

Reg. Sets

1

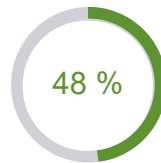
Stations

18

Average Error

0.7 mm

Average Overlap



Average Consistency



Refinement Summary

Reg. Set 1 18 Stations 0.7 mm Avg. Error 48 % Avg. Overlap 99 % Avg. Consistency Reference Station: 1

Station Name	Links	Avg. Error (mm)	Avg. Overlap (%)	Avg. Consistency (%)
1	6	0.9 mm	58 %	100 %
2	6	0.8 mm	62 %	100 %
3	7	0.6 mm	63 %	100 %
4	9	0.7 mm	56 %	100 %
5	7	0.6 mm	65 %	100 %
6	7	0.8 mm	59 %	100 %
7	7	0.6 mm	55 %	100 %
8	7	0.7 mm	47 %	100 %
9	4	0.6 mm	45 %	100 %
10	4	0.7 mm	44 %	100 %
11	3	0.5 mm	31 %	100 %
12	2	0.5 mm	36 %	100 %
13	3	0.7 mm	30 %	86 %
14	2	0.5 mm	36 %	100 %
15	2	0.8 mm	34 %	100 %
16	4	1.0 mm	37 %	89 %
17	2	0.8 mm	53 %	100 %
18	2	0.9 mm	48 %	100 %

Refinement Details

Reg. Set 1 18 Stations 0.7 mm Avg. Error 48 % Avg. Overlap 99 % Avg. Consistency Reference Station: 1

1 6 Links 0.9 mm Avg. Error 58 % Avg. Overlap 100 % Avg. Consistency

Linked Station	Error (mm)	Overlap (%)	Consistency (%)	Distance (m)
2	0.6 mm	64 %	100 %	7.845 m
3	0.7 mm	67 %	100 %	9.009 m
4	1.0 mm	57 %	100 %	12.705 m
5	0.8 mm	57 %	100 %	15.018 m
6	1.4 mm	51 %	100 %	19.221 m
7	1.0 mm	50 %	100 %	18.567 m

2 6 Links 0.8 mm Avg. Error 62 % Avg. Overlap 100 % Avg. Consistency

Linked Station	Error (mm)	Overlap (%)	Consistency (%)	Distance (m)
1	0.6 mm	64 %	100 %	7.845 m
3	0.5 mm	71 %	100 %	5.929 m
4	0.8 mm	61 %	100 %	8.460 m
5	0.7 mm	68 %	100 %	8.541 m
6	1.0 mm	61 %	100 %	12.646 m
7	0.9 mm	49 %	100 %	13.856 m

3 7 Links 0.6 mm Avg. Error 63 % Avg. Overlap 100 % Avg. Consistency

Linked Station	Error (mm)	Overlap (%)	Consistency (%)	Distance (m)
1	0.7 mm	67 %	100 %	9.009 m
2	0.5 mm	71 %	100 %	5.929 m
4	0.6 mm	74 %	100 %	3.717 m
5	0.5 mm	70 %	100 %	6.825 m
6	0.7 mm	60 %	100 %	10.738 m
7	0.6 mm	63 %	100 %	9.571 m
8	0.6 mm	32 %	100 %	4.839 m

4 9 Links 0.7 mm Avg. Error 56 % Avg. Overlap 100 % Avg. Consistency

	Linked Station	Error (mm)	Overlap (%)	Consistency (%)	Distance (m)
	1	1.0 mm	57 %	100 %	12.705 m
	2	0.8 mm	61 %	100 %	8.460 m
	3	0.6 mm	74 %	100 %	3.717 m
	5	0.5 mm	78 %	100 %	4.475 m
	6	0.6 mm	63 %	100 %	7.634 m
	7	0.5 mm	61 %	100 %	5.912 m
	8	0.7 mm	57 %	100 %	3.644 m
	9	0.9 mm	23 %	100 %	7.549 m
	10	1.1 mm	26 %	100 %	11.194 m

5	7 Links	0.6 mm Avg. Error	65 % Avg. Overlap	100 % Avg. Consistency
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	Linked Station	Error (mm)	Overlap (%)	Consistency (%)	Distance (m)
	1	0.8 mm	57 %	100 %	15.018 m
	2	0.7 mm	68 %	100 %	8.541 m
	3	0.5 mm	70 %	100 %	6.825 m
	4	0.5 mm	78 %	100 %	4.475 m
	6	0.5 mm	72 %	100 %	4.243 m
	7	0.4 mm	62 %	100 %	6.350 m
	8	0.8 mm	51 %	100 %	8.051 m

6	7 Links	0.8 mm Avg. Error	59 % Avg. Overlap	100 % Avg. Consistency
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	Linked Station	Error (mm)	Overlap (%)	Consistency (%)	Distance (m)
	1	1.4 mm	51 %	100 %	19.221 m
	2	1.0 mm	61 %	100 %	12.646 m
	3	0.7 mm	60 %	100 %	10.738 m
	4	0.6 mm	63 %	100 %	7.634 m
	5	0.5 mm	72 %	100 %	4.243 m
	7	0.4 mm	65 %	100 %	5.514 m
	8	0.8 mm	38 %	100 %	10.598 m

7	7 Links	0.6 mm Avg. Error	55 % Avg. Overlap	100 % Avg. Consistency
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	Linked Station	Error (mm)	Overlap (%)	Consistency (%)	Distance (m)
	1	1.0 mm	50 %	100 %	18.567 m
	2	0.9 mm	49 %	100 %	13.856 m
	3	0.6 mm	63 %	100 %	9.571 m
	4	0.5 mm	61 %	100 %	5.912 m
	5	0.4 mm	62 %	100 %	6.350 m
	6	0.4 mm	65 %	100 %	5.514 m
	8	0.6 mm	36 %	100 %	7.009 m

8	7 Links	0.7 mm Avg. Error	47 % Avg. Overlap	100 % Avg. Consistency
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	Linked Station	Error (mm)	Overlap (%)	Consistency (%)	Distance (m)
	3	0.6 mm	32 %	100 %	4.839 m
	4	0.7 mm	57 %	100 %	3.644 m
	5	0.8 mm	51 %	100 %	8.051 m
	6	0.8 mm	38 %	100 %	10.598 m
	7	0.6 mm	36 %	100 %	7.009 m
	9	0.7 mm	53 %	100 %	4.463 m
	10	0.7 mm	60 %	100 %	7.585 m

9 4 Links 0.6 mm Avg. Error 45 % Avg. Overlap 100 % Avg. Consistency					
Linked Station	Error (mm)	Overlap (%)	Consistency (%)	Distance (m)	
4	0.9 mm	23 %	100 %	7.549 m	
8	0.7 mm	53 %	100 %	4.463 m	
10	0.4 mm	70 %	100 %	4.571 m	
11	0.6 mm	32 %	100 %	5.572 m	
10 4 Links 0.7 mm Avg. Error 44 % Avg. Overlap 100 % Avg. Consistency					
Linked Station	Error (mm)	Overlap (%)	Consistency (%)	Distance (m)	
4	1.1 mm	26 %	100 %	11.194 m	
8	0.7 mm	60 %	100 %	7.585 m	
9	0.4 mm	70 %	100 %	4.571 m	
11	0.5 mm	20 %	100 %	5.358 m	
11 3 Links 0.5 mm Avg. Error 31 % Avg. Overlap 100 % Avg. Consistency					
Linked Station	Error (mm)	Overlap (%)	Consistency (%)	Distance (m)	
9	0.6 mm	32 %	100 %	5.572 m	
10	0.5 mm	20 %	100 %	5.358 m	
12	0.5 mm	39 %	100 %	4.956 m	
12 2 Links 0.5 mm Avg. Error 36 % Avg. Overlap 100 % Avg. Consistency					
Linked Station	Error (mm)	Overlap (%)	Consistency (%)	Distance (m)	
11	0.5 mm	39 %	100 %	4.956 m	
13	0.4 mm	33 %	100 %	4.678 m	
13 3 Links 0.7 mm Avg. Error 30 % Avg. Overlap 86 % Avg. Consistency					
Linked Station	Error (mm)	Overlap (%)	Consistency (%)	Distance (m)	
12	0.4 mm	33 %	100 %	4.678 m	
14	0.4 mm	37 %	100 %	4.715 m	
16	1.3 mm	21 %	57 %	8.123 m	
14 2 Links 0.5 mm Avg. Error 36 % Avg. Overlap 100 % Avg. Consistency					
Linked Station	Error (mm)	Overlap (%)	Consistency (%)	Distance (m)	
13	0.4 mm	37 %	100 %	4.715 m	
15	0.6 mm	36 %	100 %	4.853 m	
15 2 Links 0.8 mm Avg. Error 34 % Avg. Overlap 100 % Avg. Consistency					
Linked Station	Error (mm)	Overlap (%)	Consistency (%)	Distance (m)	
14	0.6 mm	36 %	100 %	4.853 m	
16	1.0 mm	32 %	100 %	8.210 m	
16 4 Links 1.0 mm Avg. Error 37 % Avg. Overlap 89 % Avg. Consistency					
Linked Station	Error (mm)	Overlap (%)	Consistency (%)	Distance (m)	
13	1.3 mm	21 %	57 %	8.123 m	
15	1.0 mm	32 %	100 %	8.210 m	
17	0.7 mm	52 %	100 %	5.835 m	
18	1.0 mm	43 %	100 %	10.971 m	
17 2 Links 0.8 mm Avg. Error 53 % Avg. Overlap 100 % Avg. Consistency					

Linked Station	Error (mm)	Overlap (%)	Consistency (%)	Distance (m)
16	0.7 mm	52 %	100 %	5.835 m
18	0.9 mm	54 %	100 %	5.162 m

18	2 Links	0.9 mm Avg. Error	48 % Avg. Overlap	100 % Avg. Consistency
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Linked Station	Error (mm)	Overlap (%)	Consistency (%)	Distance (m)
16	1.0 mm	43 %	100 %	10.971 m
17	0.9 mm	54 %	100 %	5.162 m