

Staff Serial No:212
Staff Owner: Landgate

Length: 4 metres
Material: Fibreglass

Test No: Test 3-212
Test Date: 17/03/2020
Observer: V.Ung
Checked by:
Signature:
Date:

Location:Victor Road, Darlington
Laboratory:Boya
Audit Test: Test 47:Boya
Audit Date : 17/03/2020
Average Observed Temperature25.0 degrees Celsius
Level: Leica/LS15/702272

Correction Factor: 0.99990 At 25.0 degrees Celsius (Correction Factor is temperature dependent).

Graduation Uncertainty: 0.00016 metres at 95% confidence level

Set	Pins	Staff Readings		Known Height Difference (metres)	Measured Height Difference (metres)	Corrected Difference (metres)
		From (metres)	To (metres)			
1	1-2	0.07089	0.16170	0.09084	0.09081	0.00003
1	2-3	0.16170	0.32568	0.16401	0.16398	0.00003
1	3-4	0.32568	0.47192	0.14615	0.14624	-0.00009
1	4-5	0.47192	0.68477	0.21305	0.21285	0.00020
1	5-6	0.68477	0.87088	0.18609	0.18611	-0.00002
1	6-7	0.87088	1.07056	0.19975	0.19968	0.00007
1	7-8	1.07056	1.27566	0.20498	0.20510	-0.00012
1	8-9	1.27566	1.52262	0.24691	0.24696	-0.00005
1	9-10	1.52262	1.79026	0.26761	0.26764	-0.00003
1	10-11	1.79026	2.12344	0.33313	0.33318	-0.00005
1	11-12	2.12344	2.38743	0.26384	0.26399	-0.00015
1	12-13	2.38743	2.51328	0.12582	0.12585	-0.00003
1	13-14	2.51328	2.64300	0.12978	0.12972	0.00006
1	14-15	2.64300	2.87156	0.22857	0.22856	0.00001
1	15-16	2.87156	3.05411	0.18243	0.18255	-0.00012
1	16-17	3.05411	3.20591	0.15183	0.15180	0.00003
1	17-18	3.20591	3.35927	0.15330	0.15336	-0.00006
1	18-19	3.35927	3.51648	0.15720	0.15721	-0.00001
1	19-20	3.51648	3.66519	0.14863	0.14871	-0.00008
1	20-21	3.66519	3.87489	0.20969	0.20970	-0.00001

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Correction Factor = 0.99989857 (1+(0.00001000 (Temperature - 25.0)))

Correction Factor = 1.00000 when the temperature is 35.2 degrees Celsius

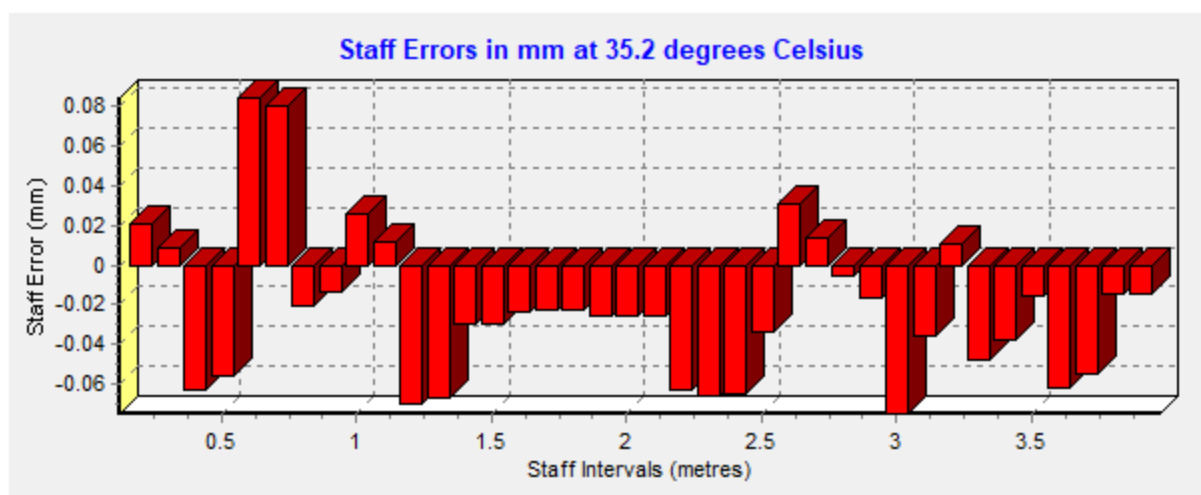
Temperature	Correction Factor	Correction/Metre (mm)
0	0. 99965	- 0. 35
2	0. 99967	- 0. 33
4	0. 99969	- 0. 31
6	0. 99971	- 0. 29
8	0. 99973	- 0. 27
10	0. 99975	- 0. 25
12	0. 99977	- 0. 23
14	0. 99979	- 0. 21
16	0. 99981	- 0. 19
18	0. 99983	- 0. 17
20	0. 99985	- 0. 15
22	0. 99987	- 0. 13
24	0. 99989	- 0. 11
26	0. 99991	- 0. 09
28	0. 99993	- 0. 07
30	0. 99995	- 0. 05
32	0. 99997	- 0. 03
34	0. 99999	- 0. 01
36	1. 00001	0. 01
38	1. 00003	0. 03
40	1. 00005	0. 05

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Audit Test: Test 47:Boya
Audit Date: 17/03/2020
Average Observed Temperature25.0degrees Celsius



From (metres)	To (metres)	Error (mm)	Corrected Interval (metres)
0. 100	0. 200	0. 02	0. 10002
0. 200	0. 300	0. 01	0. 10001
0. 300	0. 400	- 0. 06	0. 09994
0. 400	0. 500	- 0. 06	0. 09994
0. 500	0. 600	0. 08	0. 10008
0. 600	0. 700	0. 08	0. 10008
0. 700	0. 800	- 0. 02	0. 09998
0. 800	0. 900	- 0. 01	0. 09999
0. 900	1. 000	0. 03	0. 10003
1. 000	1. 100	0. 01	0. 10001
1. 100	1. 200	- 0. 07	0. 09993
1. 200	1. 300	- 0. 07	0. 09993
1. 300	1. 400	- 0. 03	0. 09997
1. 400	1. 500	- 0. 03	0. 09997

From (metres)	To (metres)	Error (mm)	Corrected Interval (metres)
1. 500	1. 600	- 0. 02	0. 09998
1. 600	1. 700	- 0. 02	0. 09998
1. 700	1. 800	- 0. 02	0. 09998
1. 800	1. 900	- 0. 03	0. 09997
1. 900	2. 000	- 0. 03	0. 09997
2. 000	2. 100	- 0. 03	0. 09997
2. 100	2. 200	- 0. 06	0. 09994
2. 200	2. 300	- 0. 07	0. 09993
2. 300	2. 400	- 0. 06	0. 09994
2. 400	2. 500	- 0. 03	0. 09997
2. 500	2. 600	0. 03	0. 10003
2. 600	2. 700	0. 01	0. 10001
2. 700	2. 800	- 0. 01	0. 09999
2. 800	2. 900	- 0. 02	0. 09998
2. 900	3. 000	- 0. 08	0. 09992
3. 000	3. 100	- 0. 04	0. 09996
3. 100	3. 200	0. 01	0. 10001
3. 200	3. 300	- 0. 05	0. 09995
3. 300	3. 400	- 0. 04	0. 09996
3. 400	3. 500	- 0. 02	0. 09998
3. 500	3. 600	- 0. 06	0. 09994
3. 600	3. 700	- 0. 06	0. 09994
3. 700	3. 800	- 0. 01	0. 09999
3. 800	3. 900	- 0. 01	0. 09999