

Project file data		Coordinate System	
Name:		Name:	World wide/UTM
Size:		Zone:	44 North
Modified:		Datum:	WGS 1984
Time zone:		Global reference datum:	WGS 1984
Reference number:		Global reference epoch:	
Description:		Geoid:	EGM96 (Global)
Comment 1:		Vertical datum:	
Comment 2:		Calibrated site:	
Comment 3:			



Baseline Processing Report

Processing Summary

Observation	From	To	Solution Type	H. Prec. (Meter)	V. Prec. (Meter)	Geodetic Az.	Ellipsoid Dist. (Meter)	ΔHeight (Meter)
Boundary L (B1)	GB-1	Boundary L	Fixed	0.0054	0.0128	40°50'08.7"	2272.7249	-11.6208
Boundary K (B2)	GB-1	Boundary K	Fixed	0.0066	0.0096	30°17'04.5"	2064.7832	-15.3331
Boundary P (B3)	GB-1	Boundary P	Fixed	0.0074	0.0131	225°11'32.6"	2383.8209	0.8599
Boundary O (B4)	GB-1	Boundary O	Fixed	0.0057	0.0096	199°32'53.3"	1493.1246	-15.5969
Boundary M (B5)	GB-1	Boundary M	Fixed	0.0045	0.0069	32°37'42.5"	596.4311	-2.8082
Boundary J (B6)	GB-1	Boundary J	Fixed	0.0062	0.0114	32°59'52.5"	1849.1480	-16.0697
Boundary H (B7)	GB-1	Boundary H	Fixed	0.0057	0.0093	27°30'36.0"	1310.4584	-12.9808
Boundary F (B8)	GB-1	Boundary F	Fixed	0.0056	0.0084	25°51'46.4"	1195.2656	-12.2219
Boundary E (B9)	GB-1	Boundary E	Fixed	0.0063	0.0104	17°44'13.1"	1948.2407	-1.9667
Boundary G (B10)	GB-1	Boundary G	Fixed	0.0077	0.0129	28°56'57.1"	1230.8720	-11.4870
Boundary I (B11)	GB-1	Boundary I	Fixed	0.0059	0.0092	26°51'11.5"	1430.7922	-13.6307
Boundary D (B12)	GB-1	Boundary D	Fixed	0.0061	0.0100	359°15'47.9"	2112.9845	-12.9332
Boundary B (B13)	GB-1	Boundary B	Fixed	0.0078	0.0134	4°58'14.9"	3090.7905	-16.6093
Boundary C (B14)	GB-1	Boundary C	Fixed	0.0076	0.0119	0°27'15.0"	2408.7257	-13.8433
Boundary N (B15)	GB-1	Boundary N	Fixed	0.0037	0.0086	355°42'10.1"	447.2062	-3.2479
Boundary A (B16)	GB-1	Boundary A	Fixed	0.0068	0.0156	351°37'36.2"	2999.0317	-11.3316
Boundary S (B17)	GB-1	Boundary S	Fixed	0.0082	0.0124	349°30'24.9"	2310.4021	-9.7070
Boundary Q (B18)	GB-1	Boundary Q	Fixed	0.0059	0.0101	301°33'34.8"	1811.7510	-2.8456

Boundary R (B19)	GB-1	Boundary R	Fixed	0.0048	0.0078	324°07'52. 0"	1193.3858	-2.0101
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Acceptance Summary

Processed	Passed	Flag		Fail	
19	19	0		0	

GB-1 (10:26:07-13:16:02) (S1)

Baseline observation:	Boundary L (B1)
Processed:	23-06-2025 11:10:17
Solution type:	Fixed
Frequency used:	Multiple Frequencies
Horizontal precision:	0.0054 m
Vertical precision:	0.0128 m
RMS:	0.0194 m
Maximum PDOP:	1.155
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	16-03-2025 10:28:28 (Local: UTC+5hr)
Processing stop time:	16-03-2025 10:59:05 (Local: UTC+5hr)
Processing duration:	00:30:37
Processing interval:	1 second

Vector Components (Mark to Mark)

From:	GB-1				
Grid		Local		Global	
Easting	277365.508 m	Latitude	N19°49'55.39637"	Latitude	N19°49'55.39637"
Northing	2194298.229 m	Longitude	E78°52'27.45593"	Longitude	E78°52'27.45593"
Elevation	229.101 m	Height	160.152 m	Height	160.152 m

To:	Boundary L				
Grid		Local		Global	
Easting	278873.482 m	Latitude	N19°50'51.31236"	Latitude	N19°50'51.31236"
Northing	2195999.242 m	Longitude	E78°53'18.53141"	Longitude	E78°53'18.53141"
Elevation	217.437 m	Height	148.531 m	Height	148.531 m

Vector					
Δ Easting	1507.9745 m	NS Fwd Azimuth	40°50'08.7"	ΔX	-1572.9764 m
Δ Northing	1701.0133 m	Ellipsoid Dist.	2272.7249 m	ΔY	-296.7493 m
Δ Elevation	-11.665 m	Δ Height	-11.6208 m	ΔZ	1613.4898 m

Standard Errors

Vector errors:					
$\sigma \Delta$ Easting	0.0038 m	σ NS fwd Azimuth	0°00'00.3"	$\sigma \Delta X$	0.0045 m
$\sigma \Delta$ Northing	0.0033 m	σ Ellipsoid Dist.	0.0034 m	$\sigma \Delta Y$	0.0119 m
$\sigma \Delta$ Elevation	0.0128 m	$\sigma \Delta$ Height	0.0128 m	$\sigma \Delta Z$	0.0052 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0000203946		
Y	0.0000278444	0.0001404451	
Z	0.0000112007	0.0000456953	0.0000270113

Vector Components (Mark to Mark)

From:	GB-1				
Grid		Local		Global	
Easting	277365.508 m	Latitude	N19°49'55.39637"	Latitude	N19°49'55.39637"
Northing	2194298.229 m	Longitude	E78°52'27.45593"	Longitude	E78°52'27.45593"
Elevation	229.101 m	Height	160.152 m	Height	160.152 m

To:	Boundary K				
Grid		Local		Global	
Easting	278429.369 m	Latitude	N19°50'53.37807"	Latitude	N19°50'53.37807"
Northing	2196068.347 m	Longitude	E78°53'03.24249"	Longitude	E78°53'03.24249"
Elevation	213.719 m	Height	144.819 m	Height	144.819 m

Vector					
Δ Easting	1063.8607 m	NS Fwd Azimuth	30°17'04.5"	ΔX	-1141.2858 m
Δ Northing	1770.1183 m	Ellipsoid Dist.	2064.7832 m	ΔY	-407.0888 m
Δ Elevation	-15.382 m	Δ Height	-15.3331 m	ΔZ	1671.9794 m

Standard Errors

Vector errors:					
$\sigma \Delta$ Easting	0.0047 m	σ NS fwd Azimuth	0°00'00.5"	$\sigma \Delta X$	0.0050 m
$\sigma \Delta$ Northing	0.0044 m	σ Ellipsoid Dist.	0.0046 m	$\sigma \Delta Y$	0.0089 m
$\sigma \Delta$ Elevation	0.0096 m	$\sigma \Delta$ Height	0.0096 m	$\sigma \Delta Z$	0.0054 m



Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0000249166		
Y	0.0000138938	0.0000791297	
Z	0.0000047988	0.0000235546	0.0000289206

Occupations

	From	To
Point ID:	GB-1	Boundary K
Data file:	C:\Users\MECL\Documents\Trimble Business Center\Unnamed (2)\13710750.T04	C:\Users\MECL\Documents\Trimble Business Center\Unnamed (2)\00030750.t04
Receiver type:	R12i	R12i
Receiver serial number:	6347701371	6347701394
Antenna type:	R12i Internal	R12i Internal
Antenna serial number:	-----	-----
Antenna height (measured):	1.9960 m	2.0000 m
Antenna method:	Bottom of quick release	Bottom of quick release

Acceptance Criteria

Vector Component	Flag 	Fail 
Horizontal Precision >	0.0500 m + 1.000 ppm	0.1000 m + 1.000 ppm
Vertical Precision >	0.1000 m + 1.000 ppm	0.2000 m + 1.000 ppm

GB-1 (11:00:27-14:19:47) (S2)

Baseline observation:	Boundary P (B3)
Processed:	23-06-2025 11:28:23
Solution type:	Fixed
Frequency used:	Multiple Frequencies
Horizontal precision:	0.0074 m
Vertical precision:	0.0131 m
RMS:	0.0159 m
Maximum PDOP:	1.205
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	17-03-2025 11:02:48 (Local: UTC+5hr)
Processing stop time:	17-03-2025 11:41:04 (Local: UTC+5hr)
Processing duration:	00:38:16
Processing interval:	1 second

Vector Components (Mark to Mark)

From:	GB-1				
Grid		Local		Global	
Easting	277365.508 m	Latitude	N19°49'55.39637"	Latitude	N19°49'55.39637"
Northing	2194298.229 m	Longitude	E78°52'27.45593"	Longitude	E78°52'27.45593"
Elevation	229.101 m	Height	160.152 m	Height	160.152 m

To:	Boundary P				
Grid		Local		Global	
Easting	275652.857 m	Latitude	N19°49'00.76239"	Latitude	N19°49'00.76239"
Northing	2192639.343 m	Longitude	E78°51'29.34100"	Longitude	E78°51'29.34100"
Elevation	230.001 m	Height	161.012 m	Height	161.012 m

Vector					
ΔEasting	-1712.6507 m	NS Fwd Azimuth	225°11'32.6"	ΔX	1769.5789 m
ΔNorthing	-1658.8853 m	Ellipsoid Dist.	2383.8209 m	ΔY	233.2710 m
ΔElevation	0.900 m	ΔHeight	0.8599 m	ΔZ	-1580.2103 m

Standard Errors

Vector errors:					
$\sigma \Delta \text{Easting}$	0.0052 m	$\sigma \text{ NS fwd Azimuth}$	0°00'00.4"	$\sigma \Delta X$	0.0059 m
$\sigma \Delta \text{Northing}$	0.0039 m	$\sigma \text{ Ellipsoid Dist.}$	0.0043 m	$\sigma \Delta Y$	0.0121 m
$\sigma \Delta \text{Elevation}$	0.0131 m	$\sigma \Delta \text{Height}$	0.0131 m	$\sigma \Delta Z$	0.0057 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0000344639		
Y	0.0000317753	0.0001464644	
Z	0.0000154966	0.0000463995	0.0000325500

Occupations

	From	To
Point ID:	GB-1	Boundary P
Data file:	C:\Users\MECL\Documents\Trimble Business Center\Unnamed (2)\13710760.T04	C:\Users\MECL\Documents\Trimble Business Center\Unnamed (2)\00030760.t04
Receiver type:	R12i	R12i
Receiver serial number:	6347701371	6347701394
Antenna type:	R12i Internal	R12i Internal
Antenna serial number:	-----	-----
Antenna height (measured):	1.9937 m	2.0000 m
Antenna method:	Bottom of quick release	Bottom of quick release

GB-1 (11:00:27-14:19:47) (S2)

Baseline observation:	Boundary O (B4)
Processed:	23-06-2025 11:28:23
Solution type:	Fixed
Frequency used:	Multiple Frequencies
Horizontal precision:	0.0057 m
Vertical precision:	0.0096 m
RMS:	0.0095 m
Maximum PDOP:	1.349
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	17-03-2025 12:24:25 (Local: UTC+5hr)
Processing stop time:	17-03-2025 12:54:44 (Local: UTC+5hr)
Processing duration:	00:30:19
Processing interval:	1 second

Vector Components (Mark to Mark)

From:	GB-1				
Grid		Local		Global	
Easting	277365.508 m	Latitude	N19°49'55.39637"	Latitude	N19°49'55.39637"
Northing	2194298.229 m	Longitude	E78°52'27.45593"	Longitude	E78°52'27.45593"
Elevation	229.101 m	Height	160.152 m	Height	160.152 m

To:	Boundary O				
Grid		Local		Global	
Easting	276848.127 m	Latitude	N19°49'09.63890"	Latitude	N19°49'09.63890"
Northing	2192897.267 m	Longitude	E78°52'10.28861"	Longitude	E78°52'10.28861"
Elevation	213.545 m	Height	144.555 m	Height	144.555 m

Vector					
ΔEasting	-517.3806 m	NS Fwd Azimuth	199°32'53.3"	ΔX	579.4719 m
ΔNorthing	-1400.9615 m	Ellipsoid Dist.	1493.1246 m	ΔY	357.4411 m
ΔElevation	-15.557 m	ΔHeight	-15.5969 m	ΔZ	-1328.9919 m

Standard Errors

Vector errors:					
$\sigma \Delta$ Easting	0.0040 m	σ NS fwd Azimuth	0°00'00.6"	$\sigma \Delta$ X	0.0042 m
$\sigma \Delta$ Northing	0.0036 m	σ Ellipsoid Dist.	0.0036 m	$\sigma \Delta$ Y	0.0089 m
$\sigma \Delta$ Elevation	0.0096 m	$\sigma \Delta$ Height	0.0096 m	$\sigma \Delta$ Z	0.0050 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0000180481		
Y	0.0000118142	0.0000787600	
Z	0.0000064342	0.0000281947	0.0000253018

Occupations

	From	To
Point ID:	GB-1	Boundary O
Data file:	C:\Users\MECL\Documents\Trimble Business Center\Unnamed (2)\13710760.T04	C:\Users\MECL\Documents\Trimble Business Center\Unnamed (2)\00030760.t04
Receiver type:	R12i	R12i
Receiver serial number:	6347701371	6347701394
Antenna type:	R12i Internal	R12i Internal
Antenna serial number:	-----	-----
Antenna height (measured):	1.9937 m	2.0000 m
Antenna method:	Bottom of quick release	Bottom of quick release

GB-1 (11:00:27-14:19:47) (S2)

Baseline observation:	Boundary M (B5)
Processed:	23-06-2025 11:28:23
Solution type:	Fixed
Frequency used:	Multiple Frequencies
Horizontal precision:	0.0045 m
Vertical precision:	0.0069 m
RMS:	0.0054 m
Maximum PDOP:	1.161
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	17-03-2025 13:49:02 (Local: UTC+5hr)
Processing stop time:	17-03-2025 14:19:42 (Local: UTC+5hr)
Processing duration:	00:30:40
Processing interval:	1 second

Vector Components (Mark to Mark)

From:	GB-1				
Grid		Local		Global	
Easting	277365.508 m	Latitude	N19°49'55.39637"	Latitude	N19°49'55.39637"
Northing	2194298.229 m	Longitude	E78°52'27.45593"	Longitude	E78°52'27.45593"
Elevation	229.101 m	Height	160.152 m	Height	160.152 m

To:	Boundary M				
Grid		Local		Global	
Easting	277693.467 m	Latitude	N19°50'11.73107"	Latitude	N19°50'11.73107"
Northing	2194796.550 m	Longitude	E78°52'38.50767"	Longitude	E78°52'38.50767"
Elevation	226.280 m	Height	157.344 m	Height	157.344 m

Vector					
ΔEasting	327.9588 m	NS Fwd Azimuth	32°37'42.5"	ΔX	-348.9523 m
ΔNorthing	498.3210 m	Ellipsoid Dist.	596.4311 m	ΔY	-107.7773 m
ΔElevation	-2.822 m	ΔHeight	-2.8082 m	ΔZ	471.5634 m

Standard Errors

Vector errors:					
$\sigma \Delta$ Easting	0.0030 m	σ NS fwd Azimuth	0°00'01.0"	$\sigma \Delta$ X	0.0031 m
$\sigma \Delta$ Northing	0.0029 m	σ Ellipsoid Dist.	0.0031 m	$\sigma \Delta$ Y	0.0066 m
$\sigma \Delta$ Elevation	0.0069 m	$\sigma \Delta$ Height	0.0069 m	$\sigma \Delta$ Z	0.0036 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0000094414		
Y	0.0000040396	0.0000432397	
Z	0.0000001484	0.0000126408	0.0000127804

Occupations

	From	To
Point ID:	GB-1	Boundary M
Data file:	C:\Users\MECL\Documents\Trimble Business Center\Unnamed (2)\13710760.T04	C:\Users\MECL\Documents\Trimble Business Center\Unnamed (2)\00030760.t04
Receiver type:	R12i	R12i
Receiver serial number:	6347701371	6347701394
Antenna type:	R12i Internal	R12i Internal
Antenna serial number:	-----	-----
Antenna height (measured):	1.9937 m	1.0000 m
Antenna method:	Bottom of quick release	Bottom of quick release

GB-1 (10:46:34-14:43:32) (S3)

Baseline observation:	Boundary J (B6)
Processed:	23-06-2025 11:42:50
Solution type:	Fixed
Frequency used:	Multiple Frequencies
Horizontal precision:	0.0062 m
Vertical precision:	0.0114 m
RMS:	0.0046 m
Maximum PDOP:	1.311
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	18-03-2025 10:49:40 (Local: UTC+5hr)
Processing stop time:	18-03-2025 11:22:19 (Local: UTC+5hr)
Processing duration:	00:32:39
Processing interval:	1 second

Vector Components (Mark to Mark)

From:	GB-1				
Grid		Local		Global	
Easting	277365.508 m	Latitude	N19°49'55.39637"	Latitude	N19°49'55.39637"
Northing	2194298.229 m	Longitude	E78°52'27.45593"	Longitude	E78°52'27.45593"
Elevation	229.101 m	Height	160.152 m	Height	160.152 m

To:	Boundary J				
Grid		Local		Global	
Easting	278392.240 m	Latitude	N19°50'45.82896"	Latitude	N19°50'45.82896"
Northing	2195836.606 m	Longitude	E78°53'02.06668"	Longitude	E78°53'02.06668"
Elevation	212.990 m	Height	144.082 m	Height	144.082 m

Vector					
ΔEasting	1026.7318 m	NS Fwd Azimuth	32°59'52.5"	ΔX	-1092.6530 m
ΔNorthing	1538.3775 m	Ellipsoid Dist.	1849.1480 m	ΔY	-337.0273 m
ΔElevation	-16.112 m	ΔHeight	-16.0697 m	ΔZ	1453.3727 m

Standard Errors

Vector errors:					
σ ΔEasting	0.0043 m	σ NS fwd Azimuth	0°00'00.5"	σ ΔX	0.0049 m
σ ΔNorthing	0.0033 m	σ Ellipsoid Dist.	0.0033 m	σ ΔY	0.0106 m
σ ΔElevation	0.0114 m	σ ΔHeight	0.0114 m	σ ΔZ	0.0048 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0000238709		
Y	0.0000231866	0.0001120907	
Z	0.0000114988	0.0000345542	0.0000232933

Occupations

	From	To
Point ID:	GB-1	Boundary J
Data file:	C:\Users\MECL\Documents\Trimble Business Center\Unnamed (2)\13710770.T04	C:\Users\MECL\Documents\Trimble Business Center\Unnamed (2)\00030770.t04
Receiver type:	R12i	R12i
Receiver serial number:	6347701371	6347701394
Antenna type:	R12i Internal	R12i Internal
Antenna serial number:	-----	-----
Antenna height (measured):	1.9960 m	2.0000 m
Antenna method:	Bottom of quick release	Bottom of quick release

Vector Components (Mark to Mark)

From:	GB-1				
Grid		Local		Global	
Easting	277365.508 m	Latitude	N19°49'55.39637"	Latitude	N19°49'55.39637"
Northing	2194298.229 m	Longitude	E78°52'27.45593"	Longitude	E78°52'27.45593"
Elevation	229.101 m	Height	160.152 m	Height	160.152 m

To:	Boundary H				
Grid		Local		Global	
Easting	277985.535 m	Latitude	N19°50'33.19315"	Latitude	N19°50'33.19315"
Northing	2195453.041 m	Longitude	E78°52'48.25864"	Longitude	E78°52'48.25864"
Elevation	216.088 m	Height	147.171 m	Height	147.171 m

Vector					
Δ Easting	620.0270 m	NS Fwd Azimuth	27°30'36.0"	ΔX	-672.4148 m
Δ Northing	1154.8127 m	Ellipsoid Dist.	1310.4584 m	ΔY	-282.2224 m
Δ Elevation	-13.013 m	Δ Height	-12.9808 m	ΔZ	1088.9269 m

Standard Errors

Vector errors:					
$\sigma \Delta$ Easting	0.0039 m	σ NS fwd Azimuth	0°00'00.6"	$\sigma \Delta X$	0.0044 m
$\sigma \Delta$ Northing	0.0033 m	σ Ellipsoid Dist.	0.0032 m	$\sigma \Delta Y$	0.0085 m
$\sigma \Delta$ Elevation	0.0093 m	$\sigma \Delta$ Height	0.0093 m	$\sigma \Delta Z$	0.0045 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0000193185		
Y	0.0000162534	0.0000725549	
Z	0.0000086769	0.0000235131	0.0000204235

Occupations

	From	To
Point ID:	GB-1	Boundary H
Data file:	C:\Users\MECL\Documents\Trimble Business Center\Unnamed (2)\13710770.T04	C:\Users\MECL\Documents\Trimble Business Center\Unnamed (2)\00030770.t04
Receiver type:	R12i	R12i
Receiver serial number:	6347701371	6347701394
Antenna type:	R12i Internal	R12i Internal
Antenna serial number:	-----	-----
Antenna height (measured):	1.9960 m	2.0000 m
Antenna method:	Bottom of quick release	Bottom of quick release

GB-1 (10:46:34-14:43:32) (S3)

Baseline observation:	Boundary F (B8)
Processed:	23-06-2025 11:42:50
Solution type:	Fixed
Frequency used:	Multiple Frequencies
Horizontal precision:	0.0056 m
Vertical precision:	0.0084 m
RMS:	0.0071 m
Maximum PDOP:	1.326
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	18-03-2025 12:59:17 (Local: UTC+5hr)
Processing stop time:	18-03-2025 13:30:50 (Local: UTC+5hr)
Processing duration:	00:31:33
Processing interval:	1 second

Vector Components (Mark to Mark)

From:	GB-1				
Grid		Local		Global	
Easting	277365.508 m	Latitude	N19°49'55.39637"	Latitude	N19°49'55.39637"
Northing	2194298.229 m	Longitude	E78°52'27.45593"	Longitude	E78°52'27.45593"
Elevation	229.101 m	Height	160.152 m	Height	160.152 m

To:	Boundary F				
Grid		Local		Global	
Easting	277900.523 m	Latitude	N19°50'30.37259"	Latitude	N19°50'30.37259"
Northing	2195367.351 m	Longitude	E78°52'45.37486"	Longitude	E78°52'45.37486"
Elevation	216.849 m	Height	147.930 m	Height	147.930 m

Vector					
ΔEasting	535.0152 m	NS Fwd Azimuth	25°51'46.4"	ΔX	-584.2617 m
ΔNorthing	1069.1221 m	Ellipsoid Dist.	1195.2656 m	ΔY	-268.8182 m
ΔElevation	-12.252 m	ΔHeight	-12.2219 m	ΔZ	1007.5979 m

Standard Errors

Vector errors:					
$\sigma \Delta$ Easting	0.0037 m	σ NS fwd Azimuth	0°00'00.6"	$\sigma \Delta$ X	0.0039 m
$\sigma \Delta$ Northing	0.0039 m	σ Ellipsoid Dist.	0.0040 m	$\sigma \Delta$ Y	0.0077 m
$\sigma \Delta$ Elevation	0.0084 m	$\sigma \Delta$ Height	0.0084 m	$\sigma \Delta$ Z	0.0051 m



Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0000150837		
Y	0.0000075964	0.0000595120	
Z	0.0000027949	0.0000226834	0.0000257363

Occupations

	From	To
Point ID:	GB-1	Boundary F
Data file:	C:\Users\MECL\Documents\Trimble Business Center\Unnamed (2)\13710770.T04	C:\Users\MECL\Documents\Trimble Business Center\Unnamed (2)\00030770.t04
Receiver type:	R12i	R12i
Receiver serial number:	6347701371	6347701394
Antenna type:	R12i Internal	R12i Internal
Antenna serial number:	-----	-----
Antenna height (measured):	1.9960 m	2.0000 m
Antenna method:	Bottom of quick release	Bottom of quick release

Acceptance Criteria

Vector Component	Flag 	Fail 
Horizontal Precision >	0.0500 m + 1.000 ppm	0.1000 m + 1.000 ppm
Vertical Precision >	0.1000 m + 1.000 ppm	0.2000 m + 1.000 ppm

GB-1 (14:39:30-16:12:32) (S4)

Baseline observation:	Boundary E (B9)
Processed:	23-06-2025 11:57:25
Solution type:	Fixed
Frequency used:	Multiple Frequencies
Horizontal precision:	0.0063 m
Vertical precision:	0.0104 m
RMS:	0.0128 m
Maximum PDOP:	1.148
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	20-03-2025 14:40:01 (Local: UTC+5hr)
Processing stop time:	20-03-2025 15:00:44 (Local: UTC+5hr)
Processing duration:	00:20:43
Processing interval:	1 second

Vector Components (Mark to Mark)

From:	GB-1				
Grid		Local		Global	
Easting	277365.508 m	Latitude	N19°49'55.39637"	Latitude	N19°49'55.39637"
Northing	2194298.229 m	Longitude	E78°52'27.45593"	Longitude	E78°52'27.45593"
Elevation	229.101 m	Height	160.152 m	Height	160.152 m

To:	Boundary E				
Grid		Local		Global	
Easting	277982.494 m	Latitude	N19°50'55.74052"	Latitude	N19°50'55.74052"
Northing	2196146.626 m	Longitude	E78°52'47.85467"	Longitude	E78°52'47.85467"
Elevation	227.080 m	Height	158.185 m	Height	158.185 m

Vector					
ΔEasting	616.9856 m	NS Fwd Azimuth	17°44'13.1"	ΔX	-704.2808 m
ΔNorthing	1848.3972 m	Ellipsoid Dist.	1948.2407 m	ΔY	-505.2932 m
ΔElevation	-2.021 m	ΔHeight	-1.9667 m	ΔZ	1744.8505 m

Standard Errors

Vector errors:					
$\sigma \Delta$ Easting	0.0045 m	σ NS fwd Azimuth	0°00'00.5"	$\sigma \Delta$ X	0.0048 m
$\sigma \Delta$ Northing	0.0037 m	σ Ellipsoid Dist.	0.0037 m	$\sigma \Delta$ Y	0.0096 m
$\sigma \Delta$ Elevation	0.0104 m	$\sigma \Delta$ Height	0.0104 m	$\sigma \Delta$ Z	0.0051 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0000227756		
Y	0.0000145463	0.0000926873	
Z	0.0000062703	0.0000311776	0.0000255892

Occupations

	From	To
Point ID:	GB-1	Boundary E
Data file:	C:\Users\MECL\Documents\Trimble Business Center\Unnamed (2)\13710790.T04	C:\Users\MECL\Documents\Trimble Business Center\Unnamed (2)\00030792.t04
Receiver type:	R12i	R12i
Receiver serial number:	6347701371	6347701394
Antenna type:	R12i Internal	R12i Internal
Antenna serial number:	-----	-----
Antenna height (measured):	1.9950 m	2.0000 m
Antenna method:	Bottom of quick release	Bottom of quick release

Vector Components (Mark to Mark)

From:	GB-1				
Grid		Local		Global	
Easting	277365.508 m	Latitude	N19°49'55.39637"	Latitude	N19°49'55.39637"
Northing	2194298.229 m	Longitude	E78°52'27.45593"	Longitude	E78°52'27.45593"
Elevation	229.101 m	Height	160.152 m	Height	160.152 m

To:	Boundary G				
Grid		Local		Global	
Easting	277974.939 m	Latitude	N19°50'30.42211"	Latitude	N19°50'30.42211"
Northing	2195367.939 m	Longitude	E78°52'47.93132"	Longitude	E78°52'47.93132"
Elevation	217.585 m	Height	148.665 m	Height	148.665 m

Vector					
Δ Easting	609.4307 m	NS Fwd Azimuth	28°56'57.1"	ΔX	-657.2197 m
Δ Northing	1069.7101 m	Ellipsoid Dist.	1230.8720 m	ΔY	-254.2997 m
Δ Elevation	-11.517 m	Δ Height	-11.4870 m	ΔZ	1009.2797 m

Standard Errors

Vector errors:					
σ Δ Easting	0.0054 m	σ NS fwd Azimuth	0°00'00.8"	σ ΔX	0.0055 m
σ Δ Northing	0.0040 m	σ Ellipsoid Dist.	0.0046 m	σ ΔY	0.0119 m
σ Δ Elevation	0.0129 m	σ Δ Height	0.0129 m	σ ΔZ	0.0063 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0000303442		
Y	0.0000129334	0.0001415265	
Z	0.0000050118	0.0000548655	0.0000393556

Occupations

	From	To
Point ID:	GB-1	Boundary G
Data file:	C:\Users\MECL\Documents\Trimble Business Center\Unnamed (2)\13710790.T04	C:\Users\MECL\Documents\Trimble Business Center\Unnamed (2)\00030792.t04
Receiver type:	R12i	R12i
Receiver serial number:	6347701371	6347701394
Antenna type:	R12i Internal	R12i Internal
Antenna serial number:	-----	-----
Antenna height (measured):	1.9950 m	2.0000 m
Antenna method:	Bottom of quick release	Bottom of quick release

Vector Components (Mark to Mark)

From:	GB-1				
Grid		Local		Global	
Easting	277365.508 m	Latitude	N19°49'55.39637"	Latitude	N19°49'55.39637"
Northing	2194298.229 m	Longitude	E78°52'27.45593"	Longitude	E78°52'27.45593"
Elevation	229.101 m	Height	160.152 m	Height	160.152 m

To:	Boundary I				
Grid		Local		Global	
Easting	278027.971 m	Latitude	N19°50'36.90751"	Latitude	N19°50'36.90751"
Northing	2195566.760 m	Longitude	E78°52'49.66756"	Longitude	E78°52'49.66756"
Elevation	215.435 m	Height	146.521 m	Height	146.521 m

Vector					
Δ Easting	662.4635 m	NS Fwd Azimuth	26°51'11.5"	ΔX	-720.2374 m
Δ Northing	1268.5313 m	Ellipsoid Dist.	1430.7922 m	ΔY	-312.9597 m
Δ Elevation	-13.667 m	Δ Height	-13.6307 m	ΔZ	1196.1459 m

Standard Errors

Vector errors:					
σ Δ Easting	0.0039 m	σ NS fwd Azimuth	0°00'00.5"	σ ΔX	0.0040 m
σ Δ Northing	0.0038 m	σ Ellipsoid Dist.	0.0041 m	σ ΔY	0.0085 m
σ Δ Elevation	0.0092 m	σ Δ Height	0.0092 m	σ ΔZ	0.0051 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0000157318		
Y	0.0000068192	0.0000730278	
Z	0.0000008858	0.0000273580	0.0000258434

Occupations

	From	To
Point ID:	GB-1	Boundary I
Data file:	C:\Users\MECL\Documents\Trimble Business Center\Unnamed (2)\13710790.T04	C:\Users\MECL\Documents\Trimble Business Center\Unnamed (2)\00030792.t04
Receiver type:	R12i	R12i
Receiver serial number:	6347701371	6347701394
Antenna type:	R12i Internal	R12i Internal
Antenna serial number:	-----	-----
Antenna height (measured):	1.9950 m	2.0000 m
Antenna method:	Bottom of quick release	Bottom of quick release

GB-1 (10:40:46-14:16:36) (S5)

Baseline observation:	Boundary D (B12)
Processed:	23-06-2025 11:51:40
Solution type:	Fixed
Frequency used:	Multiple Frequencies
Horizontal precision:	0.0061 m
Vertical precision:	0.0100 m
RMS:	0.1077 m
Maximum PDOP:	1.177
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	20-03-2025 13:11:00 (Local: UTC+5hr)
Processing stop time:	20-03-2025 13:38:23 (Local: UTC+5hr)
Processing duration:	00:27:23
Processing interval:	1 second

Vector Components (Mark to Mark)

From:	GB-1				
Grid		Local		Global	
Easting	277365.508 m	Latitude	N19°49'55.39637"	Latitude	N19°49'55.39637"
Northing	2194298.229 m	Longitude	E78°52'27.45593"	Longitude	E78°52'27.45593"
Elevation	229.101 m	Height	160.152 m	Height	160.152 m

To:	Boundary D				
Grid		Local		Global	
Easting	277364.959 m	Latitude	N19°51'04.10419"	Latitude	N19°51'04.10419"
Northing	2196411.663 m	Longitude	E78°52'26.52221"	Longitude	E78°52'26.52221"
Elevation	216.101 m	Height	147.219 m	Height	147.219 m

Vector					
ΔEasting	-0.5492 m	NS Fwd Azimuth	359°15'47.9"	ΔX	-114.0726 m
ΔNorthing	2113.4338 m	Ellipsoid Dist.	2112.9845 m	ΔY	-720.8505 m
ΔElevation	-13.000 m	ΔHeight	-12.9332 m	ΔZ	1983.0404 m

Standard Errors

Vector errors:					
σ ΔEasting	0.0042 m	σ NS fwd Azimuth	0°00'00.4"	σ ΔX	0.0043 m
σ ΔNorthing	0.0042 m	σ Ellipsoid Dist.	0.0042 m	σ ΔY	0.0096 m
σ ΔElevation	0.0100 m	σ ΔHeight	0.0100 m	σ ΔZ	0.0050 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0000188980		
Y	0.0000100782	0.0000922177	
Z	0.0000037174	0.0000232670	0.0000245172

Occupations

	From	To
Point ID:	GB-1	Boundary D
Data file:	C:\Users\MECL\Documents\Trimble Business Center\Unnamed (2)\13710790.T04	C:\Users\MECL\Documents\Trimble Business Center\Unnamed (2)\00030790.t04
Receiver type:	R12i	R12i
Receiver serial number:	6347701371	6347701394
Antenna type:	R12i Internal	R12i Internal
Antenna serial number:	-----	-----
Antenna height (measured):	1.9950 m	2.0000 m
Antenna method:	Bottom of quick release	Bottom of quick release

GB-1 (08:39:14-13:50:02) (S6)

Baseline observation:	Boundary B (B13)
Processed:	23-06-2025 12:10:52
Solution type:	Fixed
Frequency used:	Multiple Frequencies
Horizontal precision:	0.0078 m
Vertical precision:	0.0134 m
RMS:	0.0273 m
Maximum PDOP:	1.228
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	21-03-2025 12:36:25 (Local: UTC+5hr)
Processing stop time:	21-03-2025 13:06:29 (Local: UTC+5hr)
Processing duration:	00:30:04
Processing interval:	1 second

Vector Components (Mark to Mark)

From:	GB-1				
Grid		Local		Global	
Easting	277365.508 m	Latitude	N19°49'55.39637"	Latitude	N19°49'55.39637"
Northing	2194298.229 m	Longitude	E78°52'27.45593"	Longitude	E78°52'27.45593"
Elevation	229.101 m	Height	160.152 m	Height	160.152 m

To:	Boundary B				
Grid		Local		Global	
Easting	277672.161 m	Latitude	N19°51'35.52964"	Latitude	N19°51'35.52964"
Northing	2197374.427 m	Longitude	E78°52'36.66086"	Longitude	E78°52'36.66086"
Elevation	212.396 m	Height	143.543 m	Height	143.543 m

Vector					
ΔEasting	306.6528 m	NS Fwd Azimuth	4°58'14.9"	ΔX	-467.5179 m
ΔNorthing	3076.1986 m	Ellipsoid Dist.	3090.7905 m	ΔY	-989.3882 m
ΔElevation	-16.705 m	ΔHeight	-16.6093 m	ΔZ	2890.7191 m

Standard Errors

Vector errors:					
σ ΔEasting	0.0052 m	σ NS fwd Azimuth	0°00'00.3"	σ ΔX	0.0055 m
σ ΔNorthing	0.0054 m	σ Ellipsoid Dist.	0.0054 m	σ ΔY	0.0124 m
σ ΔElevation	0.0134 m	σ ΔHeight	0.0134 m	σ ΔZ	0.0073 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0000307689		
Y	0.0000218027	0.0001526953	
Z	0.0000112065	0.0000552483	0.0000537187

Occupations

	From	To
Point ID:	GB-1	Boundary B
Data file:	C:\Users\MECL\Documents\Trimble Business Center\Unnamed (2)\13710800.T04	C:\Users\MECL\Documents\Trimble Business Center\Unnamed (2)\00030800.t04
Receiver type:	R12i	R12i
Receiver serial number:	6347701371	6347701394
Antenna type:	R12i Internal	R12i Internal
Antenna serial number:	-----	-----
Antenna height (measured):	1.9960 m	2.0000 m
Antenna method:	Bottom of quick release	Bottom of quick release

Vector Components (Mark to Mark)

From:	GB-1				
Grid		Local		Global	
Easting	277365.508 m	Latitude	N19°49'55.39637"	Latitude	N19°49'55.39637"
Northing	2194298.229 m	Longitude	E78°52'27.45593"	Longitude	E78°52'27.45593"
Elevation	229.101 m	Height	160.152 m	Height	160.152 m

To:	Boundary C				
Grid		Local		Global	
Easting	277414.956 m	Latitude	N19°51'13.72480"	Latitude	N19°51'13.72480"
Northing	2196706.959 m	Longitude	E78°52'28.11217"	Longitude	E78°52'28.11217"
Elevation	215.182 m	Height	146.309 m	Height	146.309 m

Vector					
ΔEasting	49.4477 m	NS Fwd Azimuth	0°27'15.0"	ΔX	-179.0173 m
ΔNorthing	2408.7302 m	Ellipsoid Dist.	2408.7257 m	ΔY	-811.3449 m
ΔElevation	-13.919 m	ΔHeight	-13.8433 m	ΔZ	2260.9962 m

Standard Errors

Vector errors:					
σ ΔEasting	0.0051 m	σ NS fwd Azimuth	0°00'00.4"	σ ΔX	0.0055 m
σ ΔNorthing	0.0052 m	σ Ellipsoid Dist.	0.0052 m	σ ΔY	0.0109 m
σ ΔElevation	0.0119 m	σ ΔHeight	0.0119 m	σ ΔZ	0.0068 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0000297247		
Y	0.0000179574	0.0001181655	
Z	0.0000113221	0.0000431759	0.0000464762

Occupations

	From	To
Point ID:	GB-1	Boundary C
Data file:	C:\Users\MECL\Documents\Trimble Business Center\Unnamed (2)\13710800.T04	C:\Users\MECL\Documents\Trimble Business Center\Unnamed (2)\00030800.t04
Receiver type:	R12i	R12i
Receiver serial number:	6347701371	6347701394
Antenna type:	R12i Internal	R12i Internal
Antenna serial number:	-----	-----
Antenna height (measured):	1.9960 m	2.0000 m
Antenna method:	Bottom of quick release	Bottom of quick release

GB-1 (08:46:22-14:03:13) (S7)

Baseline observation:	Boundary N (B15)
Processed:	23-06-2025 12:25:33
Solution type:	Fixed
Frequency used:	Multiple Frequencies
Horizontal precision:	0.0037 m
Vertical precision:	0.0086 m
RMS:	0.0036 m
Maximum PDOP:	1.178
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	22-03-2025 09:15:38 (Local: UTC+5hr)
Processing stop time:	22-03-2025 09:45:49 (Local: UTC+5hr)
Processing duration:	00:30:11
Processing interval:	1 second

Vector Components (Mark to Mark)

From:	GB-1				
Grid		Local		Global	
Easting	277365.508 m	Latitude	N19°49'55.39637"	Latitude	N19°49'55.39637"
Northing	2194298.229 m	Longitude	E78°52'27.45593"	Longitude	E78°52'27.45593"
Elevation	229.101 m	Height	160.152 m	Height	160.152 m

To:	Boundary N				
Grid		Local		Global	
Easting	277337.611 m	Latitude	N19°50'09.89848"	Latitude	N19°50'09.89848"
Northing	2194744.659 m	Longitude	E78°52'26.30436"	Longitude	E78°52'26.30436"
Elevation	225.839 m	Height	156.904 m	Height	156.904 m

Vector					
ΔEasting	-27.8966 m	NS Fwd Azimuth	355°42'10.1"	ΔX	3.0930 m
ΔNorthing	446.4306 m	Ellipsoid Dist.	447.2062 m	ΔY	-157.9334 m
ΔElevation	-3.262 m	ΔHeight	-3.2479 m	ΔZ	418.4034 m

Standard Errors

Vector errors:					
σ ΔEasting	0.0024 m	σ NS fwd Azimuth	0°00'01.1"	σ ΔX	0.0027 m
σ ΔNorthing	0.0026 m	σ Ellipsoid Dist.	0.0026 m	σ ΔY	0.0082 m
σ ΔElevation	0.0086 m	σ ΔHeight	0.0086 m	σ ΔZ	0.0035 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0000071869		
Y	0.0000090809	0.0000674571	
Z	0.0000028795	0.0000183706	0.0000120402

Occupations

	From	To
Point ID:	GB-1	Boundary N
Data file:	C:\Users\MECL\Documents\Trimble Business Center\Unnamed (2)\13710810.T04	C:\Users\MECL\Documents\Trimble Business Center\Unnamed (2)\00030810.t04
Receiver type:	R12i	R12i
Receiver serial number:	6347701371	6347701394
Antenna type:	R12i Internal	R12i Internal
Antenna serial number:	-----	-----
Antenna height (measured):	1.9947 m	2.0000 m
Antenna method:	Bottom of quick release	Bottom of quick release

GB-1 (08:46:22-14:03:13) (S7)

Baseline observation:	Boundary A (B16)
Processed:	23-06-2025 12:25:33
Solution type:	Fixed
Frequency used:	Multiple Frequencies
Horizontal precision:	0.0068 m
Vertical precision:	0.0156 m
RMS:	0.0210 m
Maximum PDOP:	1.244
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	22-03-2025 10:13:21 (Local: UTC+5hr)
Processing stop time:	22-03-2025 10:43:47 (Local: UTC+5hr)
Processing duration:	00:30:26
Processing interval:	1 second

Vector Components (Mark to Mark)

From:		GB-1			
Grid		Local		Global	
Easting	277365.508 m	Latitude	N19°49'55.39637"	Latitude	N19°49'55.39637"
Northing	2194298.229 m	Longitude	E78°52'27.45593"	Longitude	E78°52'27.45593"
Elevation	229.101 m	Height	160.152 m	Height	160.152 m

To:		Boundary A			
Grid		Local		Global	
Easting	276966.118 m	Latitude	N19°51'31.88399"	Latitude	N19°51'31.88399"
Northing	2197271.194 m	Longitude	E78°52'12.44536"	Longitude	E78°52'12.44536"
Elevation	217.673 m	Height	148.820 m	Height	148.820 m

Vector					
ΔEasting	-399.3902 m	NS Fwd Azimuth	351°37'36.2"	ΔX	232.0972 m
ΔNorthing	2972.9656 m	Ellipsoid Dist.	2999.0317 m	ΔY	-1083.1102 m
ΔElevation	-11.429 m	ΔHeight	-11.3316 m	ΔZ	2787.0703 m

Standard Errors

Vector errors:					
$\sigma \Delta$ Easting	0.0046 m	σ NS fwd Azimuth	0°00'00.3"	$\sigma \Delta$ X	0.0054 m
$\sigma \Delta$ Northing	0.0039 m	σ Ellipsoid Dist.	0.0041 m	$\sigma \Delta$ Y	0.0145 m
$\sigma \Delta$ Elevation	0.0156 m	$\sigma \Delta$ Height	0.0156 m	$\sigma \Delta$ Z	0.0062 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0000296275		
Y	0.0000396872	0.0002111982	
Z	0.0000179237	0.0000666976	0.0000385169

Occupations

	From	To
Point ID:	GB-1	Boundary A
Data file:	C:\Users\MECL\Documents\Trimble Business Center\Unnamed (2)\13710810.T04	C:\Users\MECL\Documents\Trimble Business Center\Unnamed (2)\00030810.t04
Receiver type:	R12i	R12i
Receiver serial number:	6347701371	6347701394
Antenna type:	R12i Internal	R12i Internal
Antenna serial number:	-----	-----
Antenna height (measured):	1.9947 m	2.0000 m
Antenna method:	Bottom of quick release	Bottom of quick release

GB-1 (08:46:22-14:03:13) (S7)

Baseline observation:	Boundary S (B17)
Processed:	23-06-2025 12:25:33
Solution type:	Fixed
Frequency used:	Multiple Frequencies
Horizontal precision:	0.0082 m
Vertical precision:	0.0124 m
RMS:	0.0301 m
Maximum PDOP:	1.333
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	22-03-2025 11:20:37 (Local: UTC+5hr)
Processing stop time:	22-03-2025 11:50:51 (Local: UTC+5hr)
Processing duration:	00:30:14
Processing interval:	1 second

Vector Components (Mark to Mark)

From:	GB-1				
Grid		Local		Global	
Easting	277365.508 m	Latitude	N19°49'55.39637"	Latitude	N19°49'55.39637"
Northing	2194298.229 m	Longitude	E78°52'27.45593"	Longitude	E78°52'27.45593"
Elevation	229.101 m	Height	160.152 m	Height	160.152 m

To:	Boundary S				
Grid		Local		Global	
Easting	276973.314 m	Latitude	N19°51'09.27319"	Latitude	N19°51'09.27319"
Northing	2196575.601 m	Longitude	E78°52'12.99453"	Longitude	E78°52'12.99453"
Elevation	219.320 m	Height	150.445 m	Height	150.445 m

Vector					
ΔEasting	-392.1938 m	NS Fwd Azimuth	349°30'24.9"	ΔX	262.3018 m
ΔNorthing	2277.3722 m	Ellipsoid Dist.	2310.4021 m	ΔY	-846.8030 m
ΔElevation	-9.782 m	ΔHeight	-9.7070 m	ΔZ	2133.6438 m

Standard Errors

Vector errors:					
$\sigma \Delta \text{Easting}$	0.0055 m	$\sigma \text{ NS fwd Azimuth}$	0°00'00.5"	$\sigma \Delta X$	0.0061 m
$\sigma \Delta \text{Northing}$	0.0043 m	$\sigma \text{ Ellipsoid Dist.}$	0.0046 m	$\sigma \Delta Y$	0.0113 m
$\sigma \Delta \text{Elevation}$	0.0124 m	$\sigma \Delta \text{Height}$	0.0124 m	$\sigma \Delta Z$	0.0061 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0000377482		
Y	0.0000289536	0.0001287540	
Z	0.0000196266	0.0000440677	0.0000373767

Occupations

	From	To
Point ID:	GB-1	Boundary S
Data file:	C:\Users\MECL\Documents\Trimble Business Center\Unnamed (2)\13710810.T04	C:\Users\MECL\Documents\Trimble Business Center\Unnamed (2)\00030810.t04
Receiver type:	R12i	R12i
Receiver serial number:	6347701371	6347701394
Antenna type:	R12i Internal	R12i Internal
Antenna serial number:	-----	-----
Antenna height (measured):	1.9947 m	2.0000 m
Antenna method:	Bottom of quick release	Bottom of quick release

Vector Components (Mark to Mark)

From:	GB-1				
Grid		Local		Global	
Easting	277365.508 m	Latitude	N19°49'55.39637"	Latitude	N19°49'55.39637"
Northing	2194298.229 m	Longitude	E78°52'27.45593"	Longitude	E78°52'27.45593"
Elevation	229.101 m	Height	160.152 m	Height	160.152 m

To:	Boundary Q				
Grid		Local		Global	
Easting	275833.456 m	Latitude	N19°50'26.23081"	Latitude	N19°50'26.23081"
Northing	2195266.052 m	Longitude	E78°51'34.40085"	Longitude	E78°51'34.40085"
Elevation	226.215 m	Height	157.306 m	Height	157.306 m

Vector					
Δ Easting	-1532.0521 m	NS Fwd Azimuth	301°33'34.8"	ΔX	1452.1667 m
Δ Northing	967.8235 m	Ellipsoid Dist.	1811.7510 m	ΔY	-616.4315 m
Δ Elevation	-2.886 m	Δ Height	-2.8456 m	ΔZ	890.9756 m

Standard Errors

Vector errors:					
$\sigma \Delta$ Easting	0.0040 m	σ NS fwd Azimuth	0°00'00.5"	$\sigma \Delta X$	0.0040 m
$\sigma \Delta$ Northing	0.0042 m	σ Ellipsoid Dist.	0.0040 m	$\sigma \Delta Y$	0.0097 m
$\sigma \Delta$ Elevation	0.0101 m	$\sigma \Delta$ Height	0.0101 m	$\sigma \Delta Z$	0.0051 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0000161695		
Y	0.0000087057	0.0000937618	
Z	0.0000021648	0.0000258495	0.0000260792

Occupations

	From	To
Point ID:	GB-1	Boundary Q
Data file:	C:\Users\MECL\Documents\Trimble Business Center\Unnamed (2)\13710810.T04	C:\Users\MECL\Documents\Trimble Business Center\Unnamed (2)\00030810.t04
Receiver type:	R12i	R12i
Receiver serial number:	6347701371	6347701394
Antenna type:	R12i Internal	R12i Internal
Antenna serial number:	-----	-----
Antenna height (measured):	1.9947 m	2.0000 m
Antenna method:	Bottom of quick release	Bottom of quick release

GB-1 (08:46:22-14:03:13) (S7)

Baseline observation:	Boundary R (B19)
Processed:	23-06-2025 12:25:33
Solution type:	Fixed
Frequency used:	Multiple Frequencies
Horizontal precision:	0.0048 m
Vertical precision:	0.0078 m
RMS:	0.0409 m
Maximum PDOP:	1.076
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	22-03-2025 13:32:47 (Local: UTC+5hr)
Processing stop time:	22-03-2025 14:03:02 (Local: UTC+5hr)
Processing duration:	00:30:15
Processing interval:	1 second

Vector Components (Mark to Mark)

From:	GB-1				
Grid		Local		Global	
Easting	277365.508 m	Latitude	N19°49'55.39637"	Latitude	N19°49'55.39637"
Northing	2194298.229 m	Longitude	E78°52'27.45593"	Longitude	E78°52'27.45593"
Elevation	229.101 m	Height	160.152 m	Height	160.152 m

To:	Boundary R				
Grid		Local		Global	
Easting	276678.352 m	Latitude	N19°50'26.84478"	Latitude	N19°50'26.84478"
Northing	2195274.240 m	Longitude	E78°52'03.42509"	Longitude	E78°52'03.42509"
Elevation	227.056 m	Height	158.142 m	Height	158.142 m

Vector					
ΔEasting	-687.1555 m	NS Fwd Azimuth	324°07'52.0"	ΔX	622.4225 m
ΔNorthing	976.0114 m	Ellipsoid Dist.	1193.3858 m	ΔY	-458.8246 m
ΔElevation	-2.046 m	ΔHeight	-2.0101 m	ΔZ	909.0189 m