

## Baseline Processing Report

Observation	From	To	Solution Type	H. Prec.	V. Prec.	Geodetic	Ellipsoid	ΔHeight
C (B1)	T-1	C	Fixed	0.002	0.004	193°03'33"	1028.844	3.129
B (B2)	T-1	B	Fixed	0.003	0.006	159°29'50"	1556.422	0.053
D (B3)	T-1	D	Fixed	0.007	0.012	201°22'50"	4080.290	7.709
A (B4)	T-1	A	Fixed	0.005	0.011	213°38'57"	4036.059	8.448

Processed	Passed	Flag	Fail
4	4	0	0

Baseline observation:	C (B1)
Processed:	7/23/2024 5:54:05 PM
Solution type:	Fixed
Frequency used:	Dual Frequency (L1, L2)
Horizontal precision:	0.002 m
Vertical precision:	0.004 m
RMS:	0.000 m
Maximum PDOP:	4.166
Ephemeris used:	Broadcast
Antenna model:	NGS Relative
Processing start time:	7/23/2024 8:38:07 AM (Local: UTC+5hr)
Processing stop time:	7/23/2024 9:23:23 AM (Local: UTC+5hr)
Processing duration:	00:45:16
Processing interval:	1 second

From:	T-1				
Grid		Local		Global	
Northing	2904134.662 m	Latitude	N26°14'38.27544"	Latitude	N26°14'38.27544"
Easting	692549.486 m	Longitude	E70°55'39.99799"	Longitude	E70°55'39.99799"
Elevation	253.922 m	Height	209.281 m	Height	209.281 m

To:		C			
Grid		Local		Global	
Northing	2903129.021 m	Latitude	N26°14'05.70932"	Latitude	N26°14'05.70932"
Easting	692331.939 m	Longitude	E70°55'31.62207"	Longitude	E70°55'31.62207"
Elevation	257.053 m	Height	212.410 m	Height	212.410 m

## 1





$\Delta$ Northing	-1005.641 m	NS Fwd Azimuth	193°03'33"	$\Delta$ X	365.431 m
$\Delta$ Easting	-217.547 m	Ellipsoid Dist.	1028.844 m	$\Delta$ Y	345.486 m
$\Delta$ Elevation	3.131 m	$\Delta$ Height	3.129 m	$\Delta$ Z	-897.607 m

## Standard Errors

Vector errors:					
$\sigma$ $\Delta$ Northing	0.001 m	$\sigma$ NS fwd Azimuth	0°00'00"	$\sigma$ $\Delta$ X	0.001 m
$\sigma$ $\Delta$ Easting	0.001 m	$\sigma$ Ellipsoid Dist.	0.001 m	$\sigma$ $\Delta$ Y	0.002 m
$\sigma$ $\Delta$ Elevation	0.002 m	$\sigma$ $\Delta$ Height	0.002 m	$\sigma$ $\Delta$ Z	0.001 m

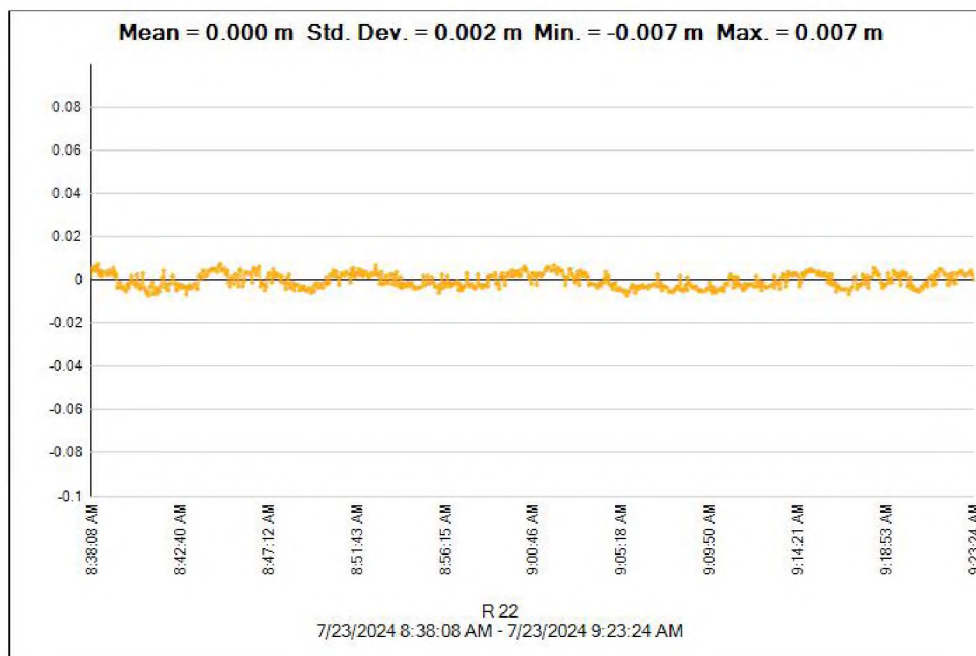
Aposteriori Covariance Matrix (Meter<sup>2</sup>)

	X	Y	Z
X	0.0000010519		
Y	0.0000006970	0.0000031022	
Z	0.0000006052	0.0000014063	0.0000013838

## Occupations

	From	To
Point ID:	T-1	C
Data file:	C:\Users\SURVEY\Documents\Trimble	C:\Users\SURVEY\Documents\Trimble
Receiver type:	Unknown	Unknown
Receiver serial number:	5738R00452	5912R00126
Antenna type:	Unknown External	Unknown External
Antenna serial number:	-----	-----
Antenna height (measured):	1.512 m	2.000 m
Antenna method:	Antenna Phase Center	Bottom of antenna mount





### T-1 (8:38:04 AM-1:06:38 PM) (S1)

Baseline observation:	B (B2)
Processed:	7/23/2024 5:54:05 PM
Solution type:	Fixed
Frequency used:	Dual Frequency (L1, L2)
Horizontal precision:	0.003 m
Vertical precision:	0.006 m
RMS:	0.000 m
Maximum PDOP:	1.589
Ephemeris used:	Broadcast
Antenna model:	NGS Relative
Processing start time:	7/23/2024 10:02:14 AM (Local: UTC+5hr)
Processing stop time:	7/23/2024 10:47:29 AM (Local: UTC+5hr)
Processing duration:	00:45:15
Processing interval:	1 second

### Vector Components (Mark to Mark)

From: T-1					
Grid		Local		Global	
Northing	2904134.662 m	Latitude	N26°14'38.27544"	Latitude	N26°14'38.27544"
Easting	692549.486 m	Longitude	E70°55'39.99799"	Longitude	E70°55'39.99799"
Elevation	253.922 m	Height	209.281 m	Height	209.281 m
To: B					
Grid		Local		Global	
Northing	2902685.019 m	Latitude	N26°13'50.90516"	Latitude	N26°13'50.90516"
Easting	693116.292 m	Longitude	E70°55'59.63858"	Longitude	E70°55'59.63858"
Elevation	253.967 m	Height	209.334 m	Height	209.334 m
Vector					





$\Delta$ Northing	-1449.644 m	NS Fwd Azimuth	159°29'50"	$\Delta$ X	-304.625 m
$\Delta$ Easting	566.806 m	Ellipsoid Dist.	1556.422 m	$\Delta$ Y	787.298 m
$\Delta$ Elevation	0.045 m	$\Delta$ Height	0.053 m	$\Delta$ Z	-1307.660 m

## Standard Errors

Vector errors:					
$\sigma$ $\Delta$ Northing	0.001 m	$\sigma$ NS fwd Azimuth	0°00'00"	$\sigma$ $\Delta$ X	0.002 m
$\sigma$ $\Delta$ Easting	0.001 m	$\sigma$ Ellipsoid Dist.	0.001 m	$\sigma$ $\Delta$ Y	0.003 m
$\sigma$ $\Delta$ Elevation	0.003 m	$\sigma$ $\Delta$ Height	0.003 m	$\sigma$ $\Delta$ Z	0.002 m

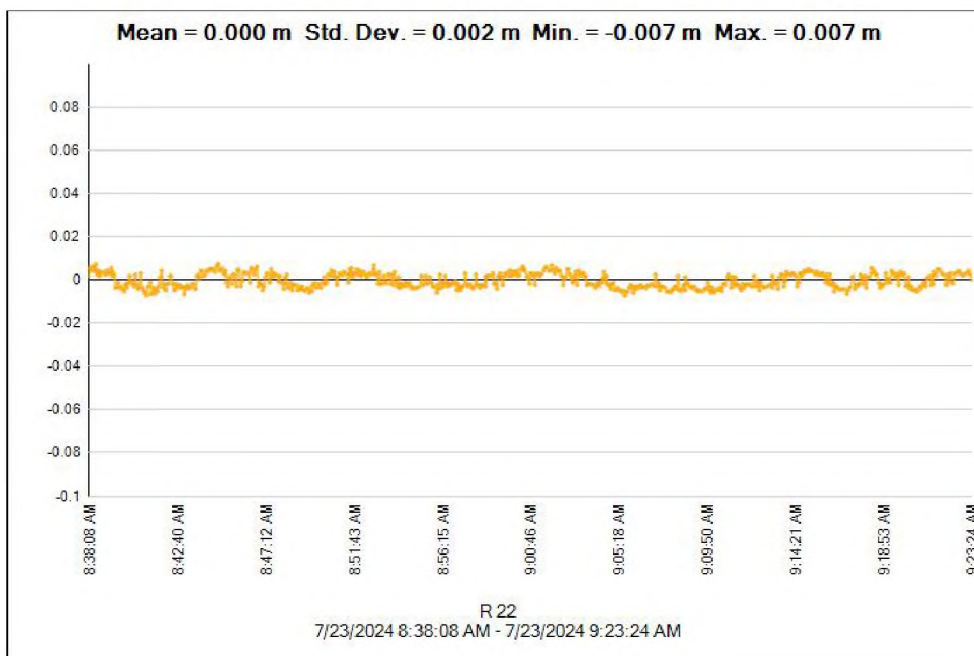
Aposteriori Covariance Matrix (Meter<sup>2</sup>)

	X	Y	Z
X	0.0000027415		
Y	0.0000024851	0.0000076633	
Z	0.0000013887	0.0000022636	0.0000024749

## Occupations

	From	To
Point ID:	T-1	B
Data file:	C:\Users\SURVEY\Documents\Trimble	C:\Users\SURVEY\Documents\Trimble
Receiver type:	Unknown	Unknown
Receiver serial number:	5738R00452	5912R00126
Antenna type:	Unknown External	Unknown External
Antenna serial number:	-----	-----
Antenna height (measured):	1.512 m	2.000 m
Antenna method:	Antenna Phase Center	Bottom of antenna mount





### T-1 (8:38:04 AM-1:06:38 PM) (S1)

Baseline observation:	D (B3)
Processed:	7/23/2024 5:54:05 PM
Solution type:	Fixed
Frequency used:	Dual Frequency (L1, L2)
Horizontal precision:	0.007 m
Vertical precision:	0.012 m
RMS:	0.004 m
Maximum PDOP:	1.665
Ephemeris used:	Broadcast
Antenna model:	NGS Relative
Processing start time:	7/23/2024 11:22:19 AM (Local: UTC+5hr)
Processing stop time:	7/23/2024 12:07:36 PM (Local: UTC+5hr)
Processing duration:	00:45:17
Processing interval:	1 second

### Vector Components (Mark to Mark)

From: T-1					
Grid		Local		Global	
Northing	2904134.662 m	Latitude	N26°14'38.27544"	Latitude	N26°14'38.27544"
Easting	692549.486 m	Longitude	E70°55'39.99799"	Longitude	E70°55'39.99799"
Elevation	253.922 m	Height	209.281 m	Height	209.281 m
To: D					
Grid		Local		Global	
Northing	2900313.265 m	Latitude	N26°12'34.81417"	Latitude	N26°12'34.81417"
Easting	691118.576 m	Longitude	E70°54'46.41525"	Longitude	E70°54'46.41525"
Elevation	261.645 m	Height	216.990 m	Height	216.990 m
Vector					





$\Delta$ Northing	-3821.397 m	NS Fwd Azimuth	201°22'50"	$\Delta$ X	1956.788 m
$\Delta$ Easting	-1430.910 m	Ellipsoid Dist.	4080.290 m	$\Delta$ Y	1107.290 m
$\Delta$ Elevation	7.723 m	$\Delta$ Height	7.709 m	$\Delta$ Z	-3405.119 m

## Standard Errors

Vector errors:					
$\sigma$ $\Delta$ Northing	0.002 m	$\sigma$ NS fwd Azimuth	0°00'00"	$\sigma$ $\Delta$ X	0.003 m
$\sigma$ $\Delta$ Easting	0.002 m	$\sigma$ Ellipsoid Dist.	0.002 m	$\sigma$ $\Delta$ Y	0.005 m
$\sigma$ $\Delta$ Elevation	0.006 m	$\sigma$ $\Delta$ Height	0.006 m	$\sigma$ $\Delta$ Z	0.004 m

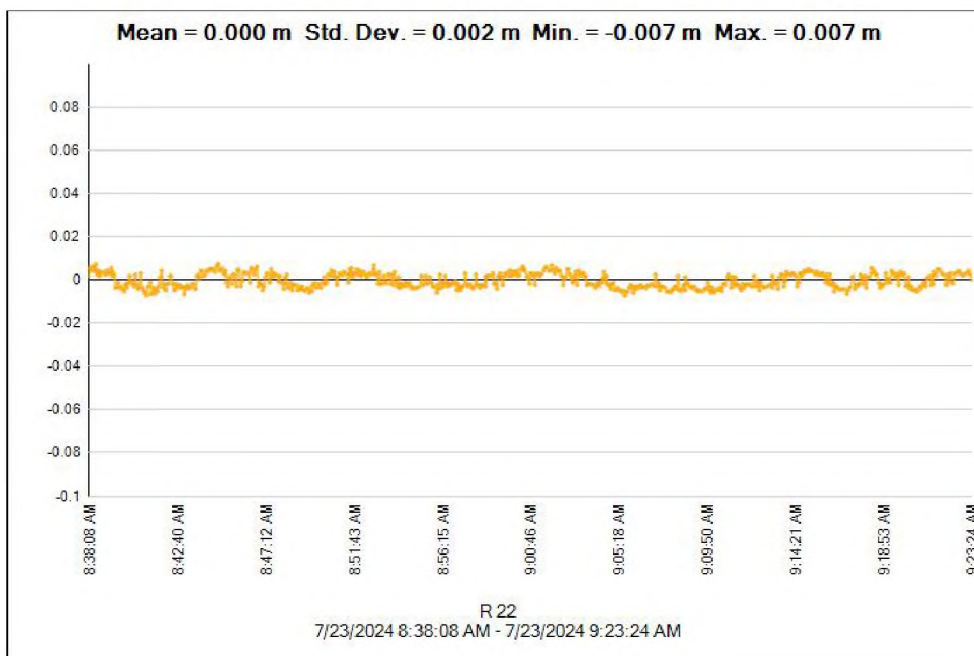
Aposteriori Covariance Matrix (Meter<sup>2</sup>)

	X	Y	Z
X	0.0000104607		
Y	0.0000101958	0.0000234604	
Z	0.0000095616	0.0000134179	0.0000162899

## Occupations

	From	To
Point ID:	T-1	D
Data file:	C:\Users\SURVEY\Documents\Trimble	C:\Users\SURVEY\Documents\Trimble
Receiver type:	Unknown	Unknown
Receiver serial number:	5738R00452	5912R00126
Antenna type:	Unknown External	Unknown External
Antenna serial number:	-----	-----
Antenna height (measured):	1.512 m	2.000 m
Antenna method:	Antenna Phase Center	Bottom of antenna mount





### T-1 (8:38:04 AM-1:06:38 PM) (S1)

Baseline observation:	A (B4)
Processed:	7/23/2024 5:54:05 PM
Solution type:	Fixed
Frequency used:	Dual Frequency (L1, L2)
Horizontal precision:	0.005 m
Vertical precision:	0.011 m
RMS:	0.001 m
Maximum PDOP:	1.629
Ephemeris used:	Broadcast
Antenna model:	NGS Relative
Processing start time:	7/23/2024 12:21:06 PM (Local: UTC+5hr)
Processing stop time:	7/23/2024 1:06:23 PM (Local: UTC+5hr)
Processing duration:	00:45:17
Processing interval:	1 second

### Vector Components (Mark to Mark)

From: T-1					
Grid		Local		Global	
Northing	2904134.662 m	Latitude	N26°14'38.27544"	Latitude	N26°14'38.27544"
Easting	692549.486 m	Longitude	E70°55'39.99799"	Longitude	E70°55'39.99799"
Elevation	253.922 m	Height	209.281 m	Height	209.281 m

To: A					
Grid		Local		Global	
Northing	2900741.785 m	Latitude	N26°12'49.09743"	Latitude	N26°12'49.09743"
Easting	690363.194 m	Longitude	E70°54'19.43604"	Longitude	E70°54'19.43604"
Elevation	262.393 m	Height	217.729 m	Height	217.729 m

Vector





$\Delta$ Northing	-3392.877 m	NS Fwd Azimuth	213°38'57"	$\Delta X$	2601.288 m
$\Delta$ Easting	-2186.292 m	Ellipsoid Dist.	4036.059 m	$\Delta Y$	679.467 m
$\Delta$ Elevation	8.471 m	$\Delta$ Height	8.448 m	$\Delta Z$	-3010.409 m

## Standard Errors

Vector errors:					
$\sigma$ $\Delta$ Northing	0.002 m	$\sigma$ NS fwd Azimuth	0°00'00"	$\sigma$ $\Delta X$	0.002 m
$\sigma$ $\Delta$ Easting	0.002 m	$\sigma$ Ellipsoid Dist.	0.002 m	$\sigma$ $\Delta Y$	0.005 m
$\sigma$ $\Delta$ Elevation	0.005 m	$\sigma$ $\Delta$ Height	0.005 m	$\sigma$ $\Delta Z$	0.003 m

Aposteriori Covariance Matrix (Meter<sup>2</sup>)

	X	Y	Z
X	0.0000054435		
Y	0.0000068653	0.0000245360	
Z	0.0000026870	0.0000075374	0.0000065595

## Occupations

	From	To
Point ID:	T-1	A
Data file:	C:\Users\SURVEY\Documents\Trimble	C:\Users\SURVEY\Documents\Trimble
Receiver type:	Unknown	Unknown
Receiver serial number:	5738R00452	5912R00126
Antenna type:	Unknown External	Unknown External
Antenna serial number:	-----	-----
Antenna height (measured):	1.512 m	2.000 m
Antenna method:	Antenna Phase Center	Bottom of antenna mount





Project information		Coordinate System	
Name:		Name:	UTM
Size:		Datum:	WGS 1984
Modified:		Zone:	42 North (69E)
Time zone:		Geoid:	EGM96 (Global)
Reference number:		Vertical datum:	
Description:			

### Baseline Processing Report

#### Processing Summary

Observation	From	To	Solution Type	H. Prec.	V. Prec.	Geodetic	Ellipsoid	ΔHeight
MNP-01 (B1)	T-1	MNP-01	Fixed	0.006	0.010	185°58'15"	1371.903	0.184
MNP-02 (B2)	T-1	MNP-02	Fixed	0.007	0.012	182°25'33"	1413.948	5.255
MNP-03 (B3)	T-1	MNP-03	Fixed	0.006	0.012	187°05'31"	1753.420	-4.458
MNP-04 (B4)	T-1	MNP-04	Fixed	0.005	0.011	185°58'33"	1776.217	-4.652
MNP-10 (B5)	T-1	MNP-10	Fixed	0.005	0.011	192°32'22"	1697.862	-5.710
MNP-06 (B6)	T-1	MNP-06	Fixed	0.006	0.014	191°13'06"	2133.813	0.081
MNP-08 (B7)	T-1	MNP-08	Fixed	0.006	0.014	191°12'35"	2122.432	0.476
MNP-05 (B8)	T-1	MNP-05	Fixed	0.007	0.014	202°02'36"	2101.343	-1.853

#### Acceptance Summary

Processed	Passed	Flag	Fail
8	8	0	0

#### T-1 (8:06:52 AM-10:17:07 AM) (S1)

Baseline observation:	MNP-01 (B1)
Processed:	7/19/2024 12:59:27 PM
Solution type:	Fixed
Frequency used:	Dual Frequency (L1, L2)
Horizontal precision:	0.006 m
Vertical precision:	0.010 m
RMS:	0.001 m
Maximum PDOP:	1.535
Ephemeris used:	Broadcast
Antenna model:	NGS Relative
Processing start time:	7/19/2024 8:15:39 AM (Local: UTC+5hr)
Processing stop time:	7/19/2024 8:27:52 AM (Local: UTC+5hr)
Processing duration:	00:12:13
Processing interval:	1 second

#### Vector Components (Mark to Mark)

From:	T-1				
	Grid		Local		Global
Northing	2904134.662 m	Latitude	N26°14'38.27544"	Latitude	N26°14'38.27544"
Easting	692549.486 m	Longitude	E70°55'39.99799"	Longitude	E70°55'39.99799"
Elevation	253.922 m	Height	209.281 m	Height	209.281 m





To: MNP-01					
Grid		Local		Global	
Northing	2902768.151 m	Latitude	N26°13'53.93941"	Latitude	N26°13'53.93941"
Easting	692427.089 m	Longitude	E70°55'34.85644"	Longitude	E70°55'34.85644"
Elevation	254.106 m	Height	209.465 m	Height	209.465 m

Vector					
ΔNorthing	-1366.512 m	NS Fwd Azimuth	185°58'15"	ΔX	332.048 m
ΔEasting	-122.397 m	Ellipsoid Dist.	1371.903 m	ΔY	523.653 m
ΔElevation	0.184 m	ΔHeight	0.184 m	ΔZ	-1223.836 m

## Standard Errors

Vector errors:					
σ ΔNorthing	0.002 m	σ NS fwd Azimuth	0°00'00"	σ ΔX	0.002 m
σ ΔEasting	0.002 m	σ Ellipsoid Dist.	0.002 m	σ ΔY	0.004 m
σ ΔElevation	0.005 m	σ ΔHeight	0.005 m	σ ΔZ	0.004 m

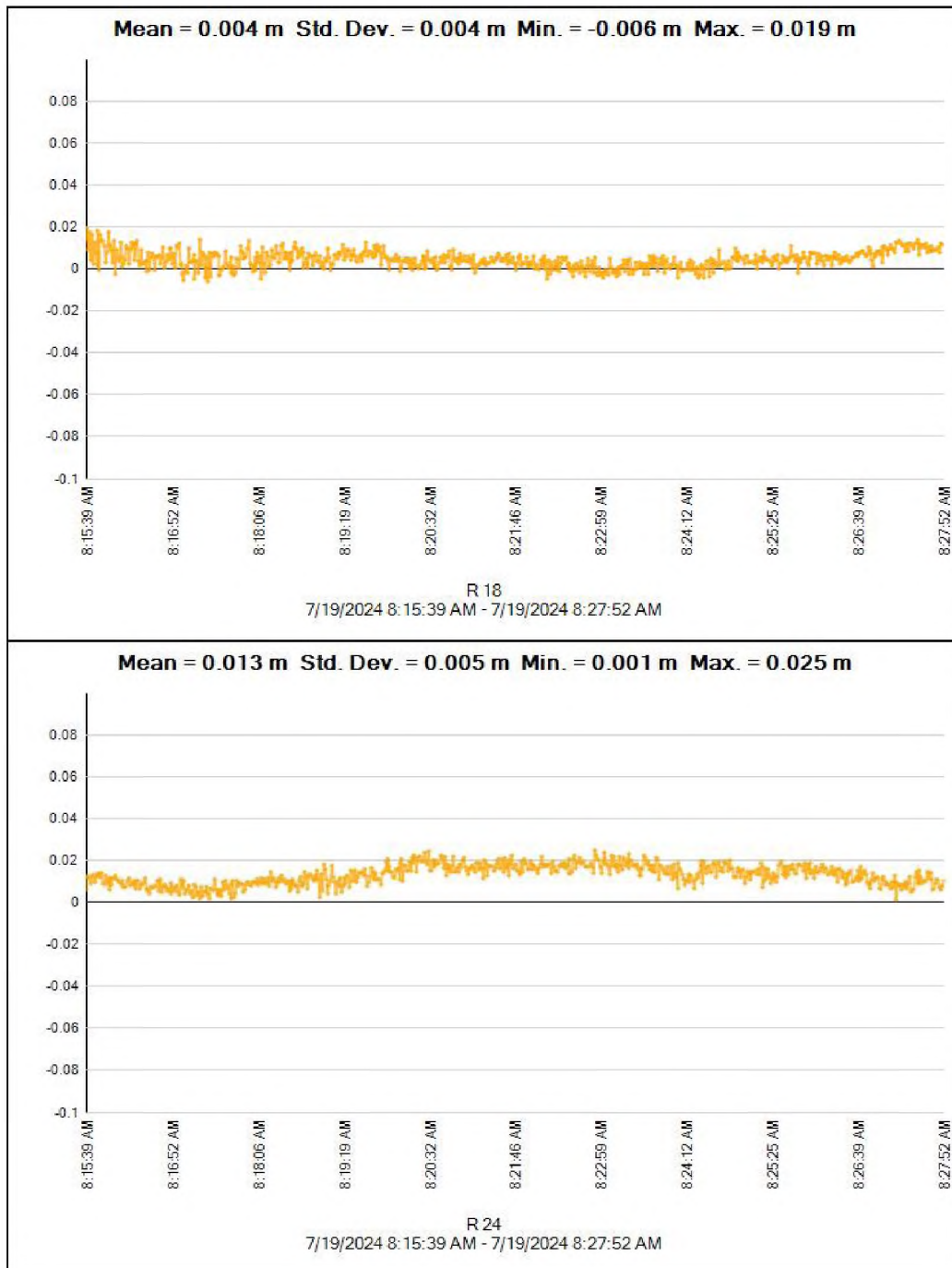
Aposteriori Covariance Matrix (Meter<sup>2</sup>)

	X	Y	Z
X	0.0000044636		
Y	0.0000041716	0.0000160799	
Z	0.0000030947	0.0000113035	0.0000136783

## Occupations

	From	To
Point ID:	T-1	MNP-01
Data file:	C:\Users\SURVEY\Documents\Trimble	C:\Users\SURVEY\Documents\Trimble
Receiver type:	Unknown	Unknown
Receiver serial number:	5738R00452	5912R00126
Antenna type:	Unknown External	Unknown External
Antenna serial number:	-----	-----
Antenna height (measured):	1.456 m	2.000 m
Antenna method:	Antenna Phase Center	Bottom of antenna mount





### T-1 (8:06:52 AM-10:17:07 AM) (S1)

Baseline observation:	MNP-02 (B2)
Processed:	7/19/2024 12:59:27 PM
Solution type:	Fixed
Frequency used:	Dual Frequency (L1, L2)
Horizontal precision:	0.007 m
Vertical precision:	0.012 m
RMS:	0.001 m





Maximum PDOP: 1.558  
 Ephemeris used: Broadcast  
 Antenna model: NGS Relative  
 Processing start time: 7/19/2024 8:32:48 AM (Local: UTC+5hr)  
 Processing stop time: 7/19/2024 8:42:57 AM (Local: UTC+5hr)  
 Processing duration: 00:10:09  
 Processing interval: 1 second

#### Vector Components (Mark to Mark)

From:	T-1				
	Grid		Local		Global
Northing	2904134.662 m	Latitude	N26°14'38.27544"	Latitude	N26°14'38.27544"
Easting	692549.486 m	Longitude	E70°55'39.99799"	Longitude	E70°55'39.99799"
Elevation	253.922 m	Height	209.281 m	Height	209.281 m

To:	MNP-02				
	Grid		Local		Global
Northing	2902721.166 m	Latitude	N26°13'52.37259"	Latitude	N26°13'52.37259"
Easting	692510.661 m	Longitude	E70°55'37.84174"	Longitude	E70°55'37.84174"
Elevation	259.176 m	Height	214.536 m	Height	214.536 m

Vector					
ΔNorthing	-1413.497 m	NS Fwd Azimuth	182°25'33"	ΔX	262.186 m
ΔEasting	-38.825 m	Ellipsoid Dist.	1413.948 m	ΔY	575.173 m
ΔElevation	5.254 m	ΔHeight	5.255 m	ΔZ	-1264.850 m

#### Standard Errors

Vector errors:					
σ ΔNorthing	0.003 m	σ NS fwd Azimuth	0°00'00"	σ ΔX	0.002 m
σ ΔEasting	0.002 m	σ Ellipsoid Dist.	0.003 m	σ ΔY	0.005 m
σ ΔElevation	0.006 m	σ ΔHeight	0.006 m	σ ΔZ	0.005 m

#### Aposteriori Covariance Matrix (Meter<sup>2</sup>)

	X	Y	Z
X	0.0000057392		
Y	0.0000065328	0.0000220711	
Z	0.0000061917	0.0000177702	0.0000221987

#### Occupations

	From	To
Point ID:	T-1	MNP-02
Data file:	C:\Users\SURVEY\Documents\Trimble	C:\Users\SURVEY\Documents\Trimble
Receiver type:	Unknown	Unknown
Receiver serial number:	5738R00452	5912R00126
Antenna type:	Unknown External	Unknown External
Antenna serial number:	-----	-----
Antenna height (measured):	1.456 m	2.000 m
Antenna method:	Antenna Phase Center	Bottom of antenna mount





Maximum PDOP: 1.269  
 Ephemeris used: Broadcast  
 Antenna model: NGS Relative  
 Processing start time: 7/19/2024 8:53:21 AM (Local: UTC+5hr)  
 Processing stop time: 7/19/2024 9:03:28 AM (Local: UTC+5hr)  
 Processing duration: 00:10:07  
 Processing interval: 1 second

#### Vector Components (Mark to Mark)

From:	T-1				
	Grid		Local		Global
Northing	2904134.662 m	Latitude	N26°14'38.27544"	Latitude	N26°14'38.27544"
Easting	692549.486 m	Longitude	E70°55'39.99799"	Longitude	E70°55'39.99799"
Elevation	253.922 m	Height	209.281 m	Height	209.281 m

To:	MNP-03				
	Grid		Local		Global
Northing	2902391.529 m	Latitude	N26°13'41.73663"	Latitude	N26°13'41.73663"
Easting	692358.909 m	Longitude	E70°55'32.19880"	Longitude	E70°55'32.19880"
Elevation	249.465 m	Height	204.823 m	Height	204.823 m

Vector					
ΔNorthing	-1743.134 m	NS Fwd Azimuth	187°05'31"	ΔX	454.648 m
ΔEasting	-190.578 m	Ellipsoid Dist.	1753.420 m	ΔY	652.485 m
ΔElevation	-4.457 m	ΔHeight	-4.458 m	ΔZ	-1562.773 m

#### Standard Errors

Vector errors:					
σ ΔNorthing	0.002 m	σ NS fwd Azimuth	0°00'00"	σ ΔX	0.003 m
σ ΔEasting	0.002 m	σ Ellipsoid Dist.	0.002 m	σ ΔY	0.005 m
σ ΔElevation	0.006 m	σ ΔHeight	0.006 m	σ ΔZ	0.004 m

#### Aposteriori Covariance Matrix (Meter<sup>2</sup>)

	X	Y	Z
X	0.0000067407		
Y	0.0000067067	0.0000240936	
Z	0.0000054835	0.0000143165	0.0000157998

#### Occupations

	From	To
Point ID:	T-1	MNP-03
Data file:	C:\Users\SURVEY\Documents\Trimble	C:\Users\SURVEY\Documents\Trimble
Receiver type:	Unknown	Unknown
Receiver serial number:	5738R00452	5912R00126
Antenna type:	Unknown External	Unknown External
Antenna serial number:	-----	-----
Antenna height (measured):	1.456 m	2.000 m
Antenna method:	Antenna Phase Center	Bottom of antenna mount





Maximum PDOP: 1.274  
 Ephemeris used: Broadcast  
 Antenna model: NGS Relative  
 Processing start time: 7/19/2024 9:05:56 AM (Local: UTC+5hr)  
 Processing stop time: 7/19/2024 9:16:01 AM (Local: UTC+5hr)  
 Processing duration: 00:10:05  
 Processing interval: 1 second

#### Vector Components (Mark to Mark)

From:	T-1				
	Grid		Local		Global
Northing	2904134.662 m	Latitude	N26°14'38.27544"	Latitude	N26°14'38.27544"
Easting	692549.486 m	Longitude	E70°55'39.99799"	Longitude	E70°55'39.99799"
Elevation	253.922 m	Height	209.281 m	Height	209.281 m

To:	MNP-04				
	Grid		Local		Global
Northing	2902365.440 m	Latitude	N26°13'40.87365"	Latitude	N26°13'40.87365"
Easting	692390.856 m	Longitude	E70°55'33.33564"	Longitude	E70°55'33.33564"
Elevation	249.271 m	Height	204.629 m	Height	204.629 m

Vector					
ΔNorthing	-1769.222 m	NS Fwd Azimuth	185°58'33"	ΔX	428.604 m
ΔEasting	-158.630 m	Ellipsoid Dist.	1776.217 m	ΔY	673.727 m
ΔElevation	-4.651 m	ΔHeight	-4.652 m	ΔZ	-1586.684 m

#### Standard Errors

Vector errors:					
σ ΔNorthing	0.002 m	σ NS fwd Azimuth	0°00'00"	σ ΔX	0.002 m
σ ΔEasting	0.002 m	σ Ellipsoid Dist.	0.002 m	σ ΔY	0.005 m
σ ΔElevation	0.006 m	σ ΔHeight	0.006 m	σ ΔZ	0.003 m

#### Aposteriori Covariance Matrix (Meter<sup>2</sup>)

	X	Y	Z
X	0.0000060040		
Y	0.0000057077	0.0000221404	
Z	0.0000041049	0.0000109655	0.0000110528

#### Occupations

	From	To
Point ID:	T-1	MNP-04
Data file:	C:\Users\SURVEY\Documents\Trimble	C:\Users\SURVEY\Documents\Trimble
Receiver type:	Unknown	Unknown
Receiver serial number:	5738R00452	5912R00126
Antenna type:	Unknown External	Unknown External
Antenna serial number:	-----	-----
Antenna height (measured):	1.456 m	2.000 m
Antenna method:	Antenna Phase Center	Bottom of antenna mount





Maximum PDOP: 1.443  
 Ephemeris used: Broadcast  
 Antenna model: NGS Relative  
 Processing start time: 7/19/2024 9:19:20 AM (Local: UTC+5hr)  
 Processing stop time: 7/19/2024 9:29:26 AM (Local: UTC+5hr)  
 Processing duration: 00:10:06  
 Processing interval: 1 second

#### Vector Components (Mark to Mark)

From:	T-1				
	Grid		Local		Global
Northing	2904134.662 m	Latitude	N26°14'38.27544"	Latitude	N26°14'38.27544"
Easting	692549.486 m	Longitude	E70°55'39.99799"	Longitude	E70°55'39.99799"
Elevation	253.922 m	Height	209.281 m	Height	209.281 m

To:	MNP-10				
	Grid		Local		Global
Northing	2902471.904 m	Latitude	N26°13'44.42186"	Latitude	N26°13'44.42186"
Easting	692205.540 m	Longitude	E70°55'26.71721"	Longitude	E70°55'26.71721"
Elevation	248.214 m	Height	203.571 m	Height	203.571 m

Vector					
ΔNorthing	-1662.759 m	NS Fwd Azimuth	192°32'22"	ΔX	586.144 m
ΔEasting	-343.946 m	Ellipsoid Dist.	1697.862 m	ΔY	567.180 m
ΔElevation	-5.708 m	ΔHeight	-5.710 m	ΔZ	-1489.194 m

#### Standard Errors

Vector errors:					
σ ΔNorthing	0.002 m	σ NS fwd Azimuth	0°00'00"	σ ΔX	0.002 m
σ ΔEasting	0.002 m	σ Ellipsoid Dist.	0.002 m	σ ΔY	0.005 m
σ ΔElevation	0.006 m	σ ΔHeight	0.006 m	σ ΔZ	0.003 m

#### Aposteriori Covariance Matrix (Meter<sup>2</sup>)

	X	Y	Z
X	0.0000057710		
Y	0.0000061218	0.0000232502	
Z	0.0000039517	0.0000105279	0.0000094074

#### Occupations

	From	To
Point ID:	T-1	MNP-10
Data file:	C:\Users\SURVEY\Documents\Trimble	C:\Users\SURVEY\Documents\Trimble
Receiver type:	Unknown	Unknown
Receiver serial number:	5738R00452	5912R00126
Antenna type:	Unknown External	Unknown External
Antenna serial number:	-----	-----
Antenna height (measured):	1.456 m	2.000 m
Antenna method:	Antenna Phase Center	Bottom of antenna mount





Maximum PDOP: 1.725  
 Ephemeris used: Broadcast  
 Antenna model: NGS Relative  
 Processing start time: 7/19/2024 9:35:41 AM (Local: UTC+5hr)  
 Processing stop time: 7/19/2024 9:45:49 AM (Local: UTC+5hr)  
 Processing duration: 00:10:08  
 Processing interval: 1 second

#### Vector Components (Mark to Mark)

From: T-1					
Grid		Local		Global	
Northing	2904134.662 m	Latitude	N26°14'38.27544"	Latitude	N26°14'38.27544"
Easting	692549.486 m	Longitude	E70°55'39.99799"	Longitude	E70°55'39.99799"
Elevation	253.922 m	Height	209.281 m	Height	209.281 m

To: MNP-06					
Grid		Local		Global	
Northing	2902035.556 m	Latitude	N26°13'30.26508"	Latitude	N26°13'30.26508"
Easting	692165.519 m	Longitude	E70°55'25.04226"	Longitude	E70°55'25.04226"
Elevation	254.006 m	Height	209.362 m	Height	209.362 m

Vector					
ΔNorthing	-2099.106 m	NS Fwd Azimuth	191°13'06"	ΔX	694.711 m
ΔEasting	-383.968 m	Ellipsoid Dist.	2133.813 m	ΔY	738.868 m
ΔElevation	0.084 m	ΔHeight	0.081 m	ΔZ	-1877.475 m

#### Standard Errors

Vector errors:					
σ ΔNorthing	0.002 m	σ NS fwd Azimuth	0°00'00"	σ ΔX	0.003 m
σ ΔEasting	0.002 m	σ Ellipsoid Dist.	0.002 m	σ ΔY	0.006 m
σ ΔElevation	0.007 m	σ ΔHeight	0.007 m	σ ΔZ	0.003 m

#### Aposteriori Covariance Matrix (Meter<sup>2</sup>)

	X	Y	Z
X	0.0000088014		
Y	0.0000105662	0.0000404277	
Z	0.0000057362	0.0000154846	0.0000118572

#### Occupations

	From	To
Point ID:	T-1	MNP-06
Data file:	C:\Users\SURVEY\Documents\Trimble	C:\Users\SURVEY\Documents\Trimble
Receiver type:	Unknown	Unknown
Receiver serial number:	5738R00452	5912R00126
Antenna type:	Unknown External	Unknown External
Antenna serial number:	-----	-----
Antenna height (measured):	1.456 m	2.000 m
Antenna method:	Antenna Phase Center	Bottom of antenna mount





Maximum PDOP: 1.568  
 Ephemeris used: Broadcast  
 Antenna model: NGS Relative  
 Processing start time: 7/19/2024 9:47:19 AM (Local: UTC+5hr)  
 Processing stop time: 7/19/2024 9:57:25 AM (Local: UTC+5hr)  
 Processing duration: 00:10:06  
 Processing interval: 1 second

#### Vector Components (Mark to Mark)

From: T-1					
Grid		Local		Global	
Northing	2904134.662 m	Latitude	N26°14'38.27544"	Latitude	N26°14'38.27544"
Easting	692549.486 m	Longitude	E70°55'39.99799"	Longitude	E70°55'39.99799"
Elevation	253.922 m	Height	209.281 m	Height	209.281 m

To: MNP-08					
Grid		Local		Global	
Northing	2902046.696 m	Latitude	N26°13'30.62584"	Latitude	N26°13'30.62584"
Easting	692167.878 m	Longitude	E70°55'25.13321"	Longitude	E70°55'25.13321"
Elevation	254.401 m	Height	209.757 m	Height	209.757 m

Vector					
ΔNorthing	-2087.967 m	NS Fwd Azimuth	191°12'35"	ΔX	690.837 m
ΔEasting	-381.608 m	Ellipsoid Dist.	2122.432 m	ΔY	735.391 m
ΔElevation	0.479 m	ΔHeight	0.476 m	ΔZ	-1867.340 m

#### Standard Errors

Vector errors:					
σ ΔNorthing	0.002 m	σ NS fwd Azimuth	0°00'00"	σ ΔX	0.003 m
σ ΔEasting	0.002 m	σ Ellipsoid Dist.	0.002 m	σ ΔY	0.006 m
σ ΔElevation	0.007 m	σ ΔHeight	0.007 m	σ ΔZ	0.003 m

#### Aposteriori Covariance Matrix (Meter<sup>2</sup>)

	X	Y	Z
X	0.0000085362		
Y	0.0000103504	0.0000407069	
Z	0.0000051250	0.0000135826	0.0000098076

#### Occupations

	From	To
Point ID:	T-1	MNP-08
Data file:	C:\Users\SURVEY\Documents\Trimble	C:\Users\SURVEY\Documents\Trimble
Receiver type:	Unknown	Unknown
Receiver serial number:	5738R00452	5912R00126
Antenna type:	Unknown External	Unknown External
Antenna serial number:	-----	-----
Antenna height (measured):	1.456 m	2.000 m
Antenna method:	Antenna Phase Center	Bottom of antenna mount





Maximum PDOP: 1.718  
 Ephemeris used: Broadcast  
 Antenna model: NGS Relative  
 Processing start time: 7/19/2024 10:06:50 AM (Local: UTC+5hr)  
 Processing stop time: 7/19/2024 10:17:01 AM (Local: UTC+5hr)  
 Processing duration: 00:10:11  
 Processing interval: 1 second

#### Vector Components (Mark to Mark)

From: T-1					
Grid		Local		Global	
Northing	2904134.662 m	Latitude	N26°14'38.27544"	Latitude	N26°14'38.27544"
Easting	692549.486 m	Longitude	E70°55'39.99799"	Longitude	E70°55'39.99799"
Elevation	253.922 m	Height	209.281 m	Height	209.281 m

To: MNP-05					
Grid		Local		Global	
Northing	2902175.299 m	Latitude	N26°13'34.98602"	Latitude	N26°13'34.98602"
Easting	691789.859 m	Longitude	E70°55'11.58533"	Longitude	E70°55'11.58533"
Elevation	252.076 m	Height	207.428 m	Height	207.428 m

Vector					
ΔNorthing	-1959.363 m	NS Fwd Azimuth	202°02'36"	ΔX	1026.177 m
ΔEasting	-759.627 m	Ellipsoid Dist.	2101.343 m	ΔY	554.454 m
ΔElevation	-1.846 m	ΔHeight	-1.853 m	ΔZ	-1747.992 m

#### Standard Errors

Vector errors:					
σ ΔNorthing	0.002 m	σ NS fwd Azimuth	0°00'00"	σ ΔX	0.003 m
σ ΔEasting	0.003 m	σ Ellipsoid Dist.	0.002 m	σ ΔY	0.007 m
σ ΔElevation	0.007 m	σ ΔHeight	0.007 m	σ ΔZ	0.003 m

#### Aposteriori Covariance Matrix (Meter<sup>2</sup>)

	X	Y	Z
X	0.0000101123		
Y	0.0000120995	0.0000457062	
Z	0.0000055060	0.0000132972	0.0000095238

#### Occupations

	From	To
Point ID:	T-1	MNP-05
Data file:	C:\Users\SURVEY\Documents\Trimble	C:\Users\SURVEY\Documents\Trimble
Receiver type:	Unknown	Unknown
Receiver serial number:	5738R00452	5912R00126
Antenna type:	Unknown External	Unknown External
Antenna serial number:	-----	-----
Antenna height (measured):	1.456 m	2.000 m
Antenna method:	Antenna Phase Center	Bottom of antenna mount





Project information		Coordinate System	
Name:		Name:	UTM
Size:		Datum:	WGS 1984
Modified:		Zone:	42 North (69E)
Time zone:		Geoid:	EGM96 (Global)
Reference number:		Vertical datum:	
Description:			

### Baseline Processing Report

#### Processing Summary

Observation	From	To	Solution Type	H. Prec.	V. Prec.	Geodetic	Ellipsoid	ΔHeight
? (B1)	T-1	?	Fixed	0.008	0.014	203°30'58"	2510.843	1.064
MNP-13 (B2)	T-1	MNP-13	Fixed	0.005	0.010	203°30'58"	2510.845	-0.936
MNP-07 (B3)	T-1	MNP-07	Fixed	0.009	0.016	204°32'49"	2840.114	4.413
MNP-09 (B4)	T-1	MNP-09	Fixed	0.007	0.015	206°03'15"	2846.964	6.134
MNP-11 (B5)	T-1	MNP-11	Fixed	0.009	0.017	206°34'17"	3296.146	14.022
MNP-14 (B6)	T-1	MNP-14	Fixed	0.009	0.018	207°33'22"	3294.183	17.153
MNP-12 (B7)	T-1	MNP-12	Fixed	0.010	0.018	208°20'38"	3613.249	12.975
MNP-15 (B8)	T-1	MNP-15	Fixed	0.011	0.020	213°05'02"	3833.642	4.600

#### Acceptance Summary

Processed	Passed	Flag	Fail
8	8	0	0

#### T-1 (8:48:35 AM-8:55:20 AM) (S1)

Baseline observation:	? (B1)
Processed:	7/21/2024 7:56:07 PM
Solution type:	Fixed
Frequency used:	Dual Frequency (L1, L2)
Horizontal precision:	0.008 m
Vertical precision:	0.014 m
RMS:	0.000 m
Maximum PDOP:	1.587
Ephemeris used:	Broadcast
Antenna model:	NGS Relative
Processing start time:	7/21/2024 8:48:58 AM (Local: UTC+5hr)
Processing stop time:	7/21/2024 8:55:20 AM (Local: UTC+5hr)
Processing duration:	00:06:22
Processing interval:	1 second

#### Vector Components (Mark to Mark)

From:	T-1				
	Grid		Local		Global
Northing	2904134.662 m	Latitude	N26°14'38.27544"	Latitude	N26°14'38.27544"
Easting	692549.486 m	Longitude	E70°55'39.99799"	Longitude	E70°55'39.99799"
Elevation	253.922 m	Height	209.281 m	Height	209.281 m





To:	?				
Grid		Local		Global	
Northing	2901817.574 m	Latitude	N26°13'23.46417"	Latitude	N26°13'23.46417"
Easting	691581.946 m	Longitude	E70°55'03.90540"	Longitude	E70°55'03.90540"
Elevation	254.995 m	Height	210.345 m	Height	210.345 m

Vector					
ΔNorthing	-2317.089 m	NS Fwd Azimuth	203°30'58"	ΔX	1279.726 m
ΔEasting	-967.540 m	Ellipsoid Dist.	2510.843 m	ΔY	635.323 m
ΔElevation	1.073 m	ΔHeight	1.064 m	ΔZ	-2064.805 m

#### Standard Errors

Vector errors:					
σ ΔNorthing	0.003 m	σ NS fwd Azimuth	0°00'00"	σ ΔX	0.004 m
σ ΔEasting	0.003 m	σ Ellipsoid Dist.	0.003 m	σ ΔY	0.006 m
σ ΔElevation	0.007 m	σ ΔHeight	0.007 m	σ ΔZ	0.005 m

#### Aposteriori Covariance Matrix (Meter<sup>2</sup>)

	X	Y	Z
X	0.0000135524		
Y	0.0000092260	0.0000357485	
Z	0.0000082300	0.0000193328	0.0000221889

#### Occupations

	From	To
Point ID:	T-1	?
Data file:	C:\Users\SURVEY\Documents\Trimble	C:\Users\SURVEY\Documents\Trimble
Receiver type:	Unknown	Unknown
Receiver serial number:	5738R00452	5912R00126
Antenna type:	Unknown External	Unknown External
Antenna serial number:	-----	-----
Antenna height (measured):	1.520 m	0.000 m
Antenna method:	Antenna Phase Center	Antenna Phase Center





Maximum PDOP: 1.601  
 Ephemeris used: Broadcast  
 Antenna model: NGS Relative  
 Processing start time: 7/21/2024 8:57:53 AM (Local: UTC+5hr)  
 Processing stop time: 7/21/2024 9:16:15 AM (Local: UTC+5hr)  
 Processing duration: 00:18:22  
 Processing interval: 1 second

#### Vector Components (Mark to Mark)

From: T-1					
Grid		Local		Global	
Northing	2904134.662 m	Latitude	N26°14'38.27544"	Latitude	N26°14'38.27544"
Easting	692549.486 m	Longitude	E70°55'39.99799"	Longitude	E70°55'39.99799"
Elevation	253.922 m	Height	209.281 m	Height	209.281 m

To: MNP-13					
Grid		Local		Global	
Northing	2901817.572 m	Latitude	N26°13'23.46411"	Latitude	N26°13'23.46411"
Easting	691581.947 m	Longitude	E70°55'03.90543"	Longitude	E70°55'03.90543"
Elevation	252.995 m	Height	208.345 m	Height	208.345 m

Vector					
ΔNorthing	-2317.091 m	NS Fwd Azimuth	203°30'58"	ΔX	1279.139 m
ΔEasting	-967.539 m	Ellipsoid Dist.	2510.845 m	ΔY	633.628 m
ΔElevation	-0.927 m	ΔHeight	-0.936 m	ΔZ	-2065.690 m

#### Standard Errors

Vector errors:					
σ ΔNorthing	0.002 m	σ NS fwd Azimuth	0°00'00"	σ ΔX	0.002 m
σ ΔEasting	0.002 m	σ Ellipsoid Dist.	0.002 m	σ ΔY	0.004 m
σ ΔElevation	0.005 m	σ ΔHeight	0.005 m	σ ΔZ	0.003 m

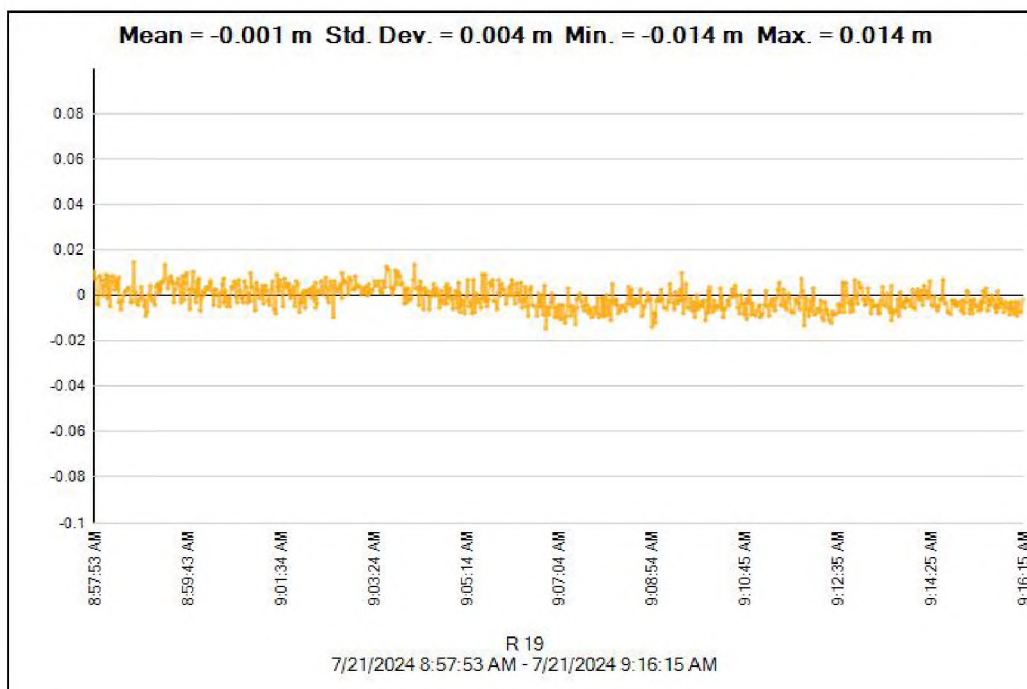
#### Aposteriori Covariance Matrix (Meter<sup>2</sup>)

	X	Y	Z
X	0.0000060374		
Y	0.0000041103	0.0000176761	
Z	0.0000034884	0.0000085218	0.0000090061

#### Occupations

	From	To
Point ID:	T-1	MNP-13
Data file:	C:\Users\SURVEY\Documents\Trimble	C:\Users\SURVEY\Documents\Trimble
Receiver type:	Unknown	Unknown
Receiver serial number:	5738R00452	5912R00126
Antenna type:	Unknown External	Unknown External
Antenna serial number:	-----	-----
Antenna height (measured):	1.520 m	2.000 m
Antenna method:	Antenna Phase Center	Bottom of antenna mount





#### T-1 (8:57:49 AM-10:59:51 AM) (S2)

Baseline observation:	MNP-07 (B3)
Processed:	7/21/2024 7:57:17 PM
Solution type:	Fixed
Frequency used:	Dual Frequency (L1, L2)
Horizontal precision:	0.009 m
Vertical precision:	0.016 m
RMS:	0.001 m
Maximum PDOP:	1.738
Ephemeris used:	Broadcast
Antenna model:	NGS Relative
Processing start time:	7/21/2024 9:22:18 AM (Local: UTC+5hr)
Processing stop time:	7/21/2024 9:34:30 AM (Local: UTC+5hr)
Processing duration:	00:12:12
Processing interval:	1 second

#### Vector Components (Mark to Mark)

From:	T-1				
	Grid		Local		Global
Northing	2904134.662 m	Latitude	N26°14'38.27544"	Latitude	N26°14'38.27544"
Easting	692549.486 m	Longitude	E70°55'39.99799"	Longitude	E70°55'39.99799"
Elevation	253.922 m	Height	209.281 m	Height	209.281 m
To:	MNP-07				
	Grid		Local		Global
Northing	2901533.827 m	Latitude	N26°13'14.32926"	Latitude	N26°13'14.32926"





Easting	691408.088 m	Longitude	E70°54'57.49192"	Longitude	E70°54'57.49192"
Elevation	258.346 m	Height	213.694 m	Height	213.694 m

<b>Vector</b>					
ΔNorthing	-2600.836 m	NS Fwd Azimuth	204°32'49"	ΔX	1489.569 m
ΔEasting	-1141.399 m	Ellipsoid Dist.	2840.114 m	ΔY	697.352 m
ΔElevation	4.425 m	ΔHeight	4.413 m	ΔZ	-2315.532 m

#### Standard Errors

<b>Vector errors:</b>					
σ ΔNorthing	0.003 m	σ NS fwd Azimuth	0°00'00"	σ ΔX	0.004 m
σ ΔEasting	0.003 m	σ Ellipsoid Dist.	0.003 m	σ ΔY	0.008 m
σ ΔElevation	0.008 m	σ ΔHeight	0.008 m	σ ΔZ	0.004 m

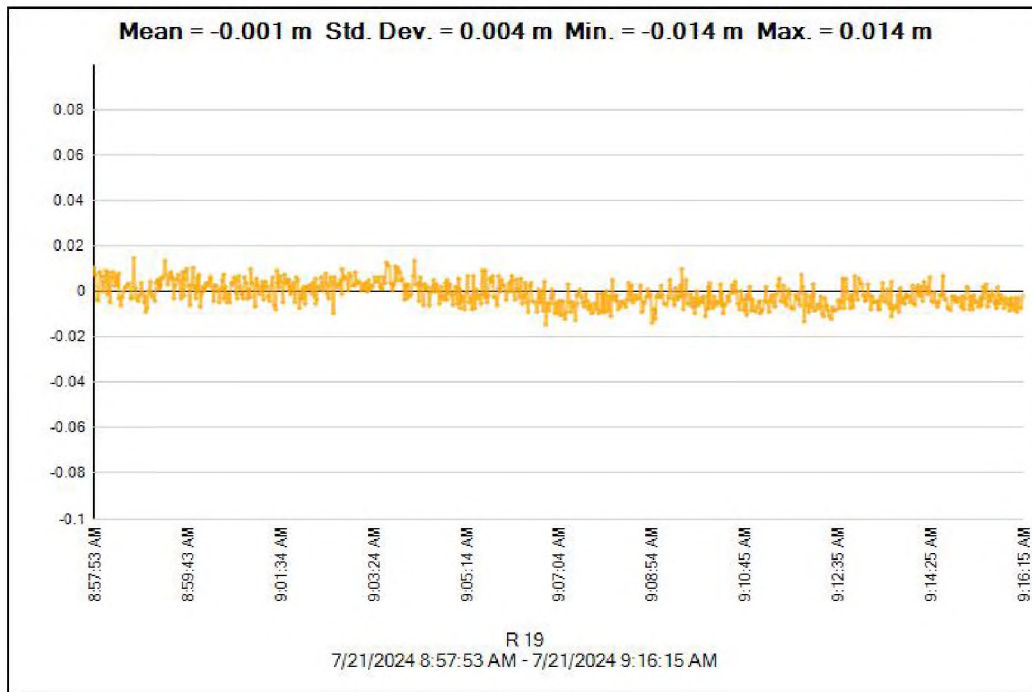
#### Aposteriori Covariance Matrix (Meter<sup>2</sup>)

	X	Y	Z
X	0.0000140446		
Y	0.0000112037	0.0000573101	
Z	0.0000075557	0.0000213950	0.0000187200

#### Occupations

	From	To
Point ID:	T-1	MNP-07
Data file:	C:\Users\SURVEY\Documents\Trimble	C:\Users\SURVEY\Documents\Trimble
Receiver type:	Unknown	Unknown
Receiver serial number:	5738R00452	5912R00126
Antenna type:	Unknown External	Unknown External
Antenna serial number:	-----	-----
Antenna height (measured):	1.520 m	2.000 m
Antenna method:	Antenna Phase Center	Bottom of antenna mount





#### T-1 (8:57:49 AM-10:59:51 AM) (S2)

Baseline observation:	MNP-09 (B4)
Processed:	7/21/2024 7:57:17 PM
Solution type:	Fixed
Frequency used:	Dual Frequency (L1, L2)
Horizontal precision:	0.007 m
Vertical precision:	0.015 m
RMS:	0.001 m
Maximum PDOP:	1.549
Ephemeris used:	Broadcast
Antenna model:	NGS Relative
Processing start time:	7/21/2024 9:37:16 AM (Local: UTC+5hr)
Processing stop time:	7/21/2024 9:48:22 AM (Local: UTC+5hr)
Processing duration:	00:11:06
Processing interval:	1 second

#### Vector Components (Mark to Mark)

From:	T-1				
	Grid		Local		Global
Northing	2904134.662 m	Latitude	N26°14'38.27544"	Latitude	N26°14'38.27544"
Easting	692549.486 m	Longitude	E70°55'39.99799"	Longitude	E70°55'39.99799"
Elevation	253.922 m	Height	209.281 m	Height	209.281 m
To:	MNP-09				
	Grid		Local		Global
Northing	2901558.550 m	Latitude	N26°13'15.16653"	Latitude	N26°13'15.16653"





Easting	691337.158 m	Longitude	E70°54'54.95022"	Longitude	E70°54'54.95022"
Elevation	260.069 m	Height	215.415 m	Height	215.415 m

<b>Vector</b>					
ΔNorthing	-2576.113 m	NS Fwd Azimuth	206°03'15"	ΔX	1553.029 m
ΔEasting	-1212.328 m	Ellipsoid Dist.	2846.964 m	ΔY	664.983 m
ΔElevation	6.147 m	ΔHeight	6.134 m	ΔZ	-2291.655 m

#### Standard Errors

<b>Vector errors:</b>					
σ ΔNorthing	0.003 m	σ NS fwd Azimuth	0°00'00"	σ ΔX	0.004 m
σ ΔEasting	0.003 m	σ Ellipsoid Dist.	0.003 m	σ ΔY	0.007 m
σ ΔElevation	0.008 m	σ ΔHeight	0.008 m	σ ΔZ	0.004 m

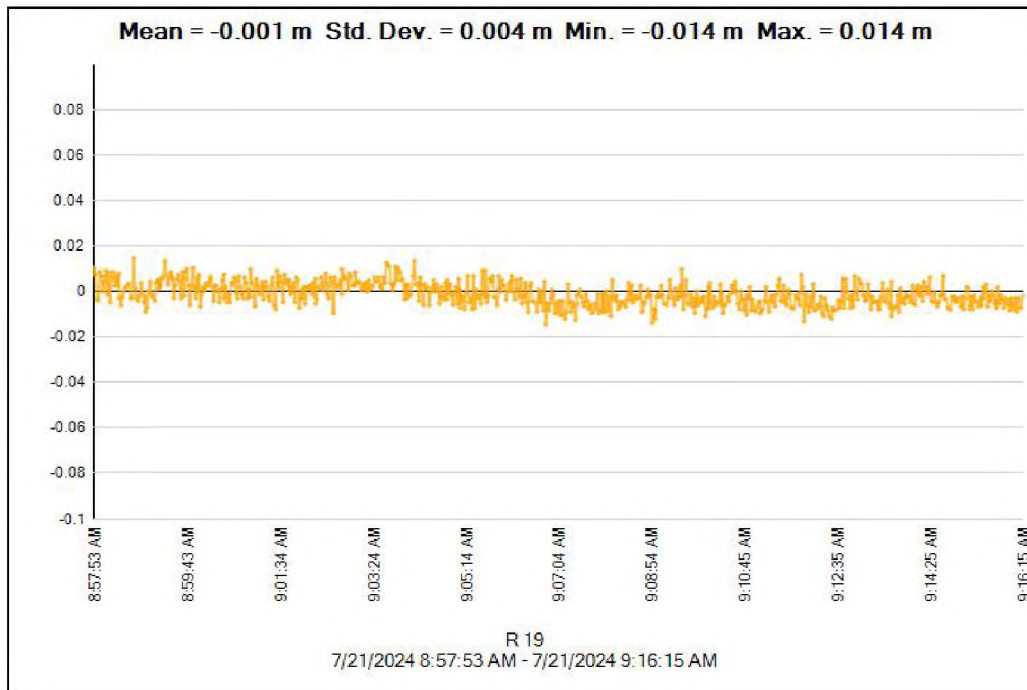
#### Aposteriori Covariance Matrix (Meter<sup>2</sup>)

	X	Y	Z
X	0.0000124993		
Y	0.0000124797	0.0000508359	
Z	0.0000063882	0.0000187639	0.0000143250

#### Occupations

	From	To
Point ID:	T-1	MNP-09
Data file:	C:\Users\SURVEY\Documents\Trimble	C:\Users\SURVEY\Documents\Trimble
Receiver type:	Unknown	Unknown
Receiver serial number:	5738R00452	5912R00126
Antenna type:	Unknown External	Unknown External
Antenna serial number:	-----	-----
Antenna height (measured):	1.520 m	2.000 m
Antenna method:	Antenna Phase Center	Bottom of antenna mount





### T-1 (8:57:49 AM-10:59:51 AM) (S2)

Baseline observation:	MNP-11 (B5)
Processed:	7/21/2024 7:57:17 PM
Solution type:	Fixed
Frequency used:	Dual Frequency (L1, L2)
Horizontal precision:	0.009 m
Vertical precision:	0.017 m
RMS:	0.001 m
Maximum PDOP:	1.529
Ephemeris used:	Broadcast
Antenna model:	NGS Relative
Processing start time:	7/21/2024 9:53:38 AM (Local: UTC+5hr)
Processing stop time:	7/21/2024 10:03:44 AM (Local: UTC+5hr)
Processing duration:	00:10:06
Processing interval:	1 second

### Vector Components (Mark to Mark)

From:	T-1				
	Grid		Local		Global
Northing	2904134.662 m	Latitude	N26°14'38.27544"	Latitude	N26°14'38.27544"
Easting	692549.486 m	Longitude	E70°55'39.99799"	Longitude	E70°55'39.99799"
Elevation	253.922 m	Height	209.281 m	Height	209.281 m
To:	MNP-11				
	Grid		Local		Global
Northing	2901164.897 m	Latitude	N26°13'02.48208"	Latitude	N26°13'02.48208"





Easting	691119.013 m	Longitude	E70°54'46.88350"	Longitude	E70°54'46.88350"
Elevation	267.959 m	Height	223.303 m	Height	223.303 m

<b>Vector</b>					
ΔNorthing	-2969.765 m	NS Fwd Azimuth	206°34'17"	ΔX	1823.359 m
ΔEasting	-1430.473 m	Ellipsoid Dist.	3296.146 m	ΔY	761.441 m
ΔElevation	14.037 m	ΔHeight	14.022 m	ΔZ	-2638.386 m

#### Standard Errors

<b>Vector errors:</b>					
σ ΔNorthing	0.003 m	σ NS fwd Azimuth	0°00'00"	σ ΔX	0.004 m
σ ΔEasting	0.004 m	σ Ellipsoid Dist.	0.003 m	σ ΔY	0.008 m
σ ΔElevation	0.009 m	σ ΔHeight	0.009 m	σ ΔZ	0.004 m

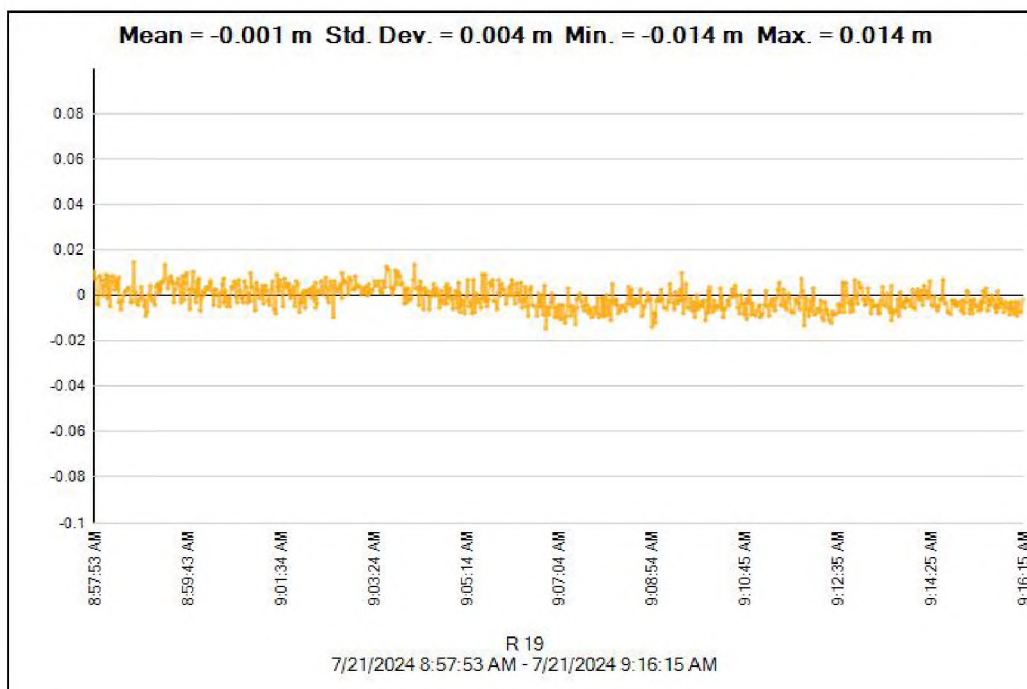
#### Aposteriori Covariance Matrix (Meter<sup>2</sup>)

	X	Y	Z
X	0.0000189289		
Y	0.0000184951	0.0000646737	
Z	0.0000081294	0.0000222048	0.0000176061

#### Occupations

	From	To
Point ID:	T-1	MNP-11
Data file:	C:\Users\SURVEY\Documents\Trimble	C:\Users\SURVEY\Documents\Trimble
Receiver type:	Unknown	Unknown
Receiver serial number:	5738R00452	5912R00126
Antenna type:	Unknown External	Unknown External
Antenna serial number:	-----	-----
Antenna height (measured):	1.520 m	2.000 m
Antenna method:	Antenna Phase Center	Bottom of antenna mount





#### T-1 (8:57:49 AM-10:59:51 AM) (S2)

Baseline observation:	MNP-14 (B6)
Processed:	7/21/2024 7:57:17 PM
Solution type:	Fixed
Frequency used:	Dual Frequency (L1, L2)
Horizontal precision:	0.009 m
Vertical precision:	0.018 m
RMS:	0.002 m
Maximum PDOP:	1.759
Ephemeris used:	Broadcast
Antenna model:	NGS Relative
Processing start time:	7/21/2024 10:06:27 AM (Local: UTC+5hr)
Processing stop time:	7/21/2024 10:16:34 AM (Local: UTC+5hr)
Processing duration:	00:10:07
Processing interval:	1 second

#### Vector Components (Mark to Mark)

From:	T-1				
	Grid		Local		Global
Northing	2904134.662 m	Latitude	N26°14'38.27544"	Latitude	N26°14'38.27544"
Easting	692549.486 m	Longitude	E70°55'39.99799"	Longitude	E70°55'39.99799"
Elevation	253.922 m	Height	209.281 m	Height	209.281 m
To:	MNP-14				
	Grid		Local		Global
Northing	2901191.673 m	Latitude	N26°13'03.37591"	Latitude	N26°13'03.37591"





Easting	691069.071 m	Longitude	E70°54'45.09889"	Longitude	E70°54'45.09889"
Elevation	271.090 m	Height	226.434 m	Height	226.434 m

<b>Vector</b>					
ΔNorthing	-2942.989 m	NS Fwd Azimuth	207°33'22"	ΔX	1867.120 m
ΔEasting	-1480.415 m	Ellipsoid Dist.	3294.183 m	ΔY	736.410 m
ΔElevation	17.168 m	ΔHeight	17.153 m	ΔZ	-2612.324 m

#### Standard Errors

<b>Vector errors:</b>					
σ ΔNorthing	0.003 m	σ NS fwd Azimuth	0°00'00"	σ ΔX	0.004 m
σ ΔEasting	0.004 m	σ Ellipsoid Dist.	0.003 m	σ ΔY	0.008 m
σ ΔElevation	0.009 m	σ ΔHeight	0.009 m	σ ΔZ	0.004 m

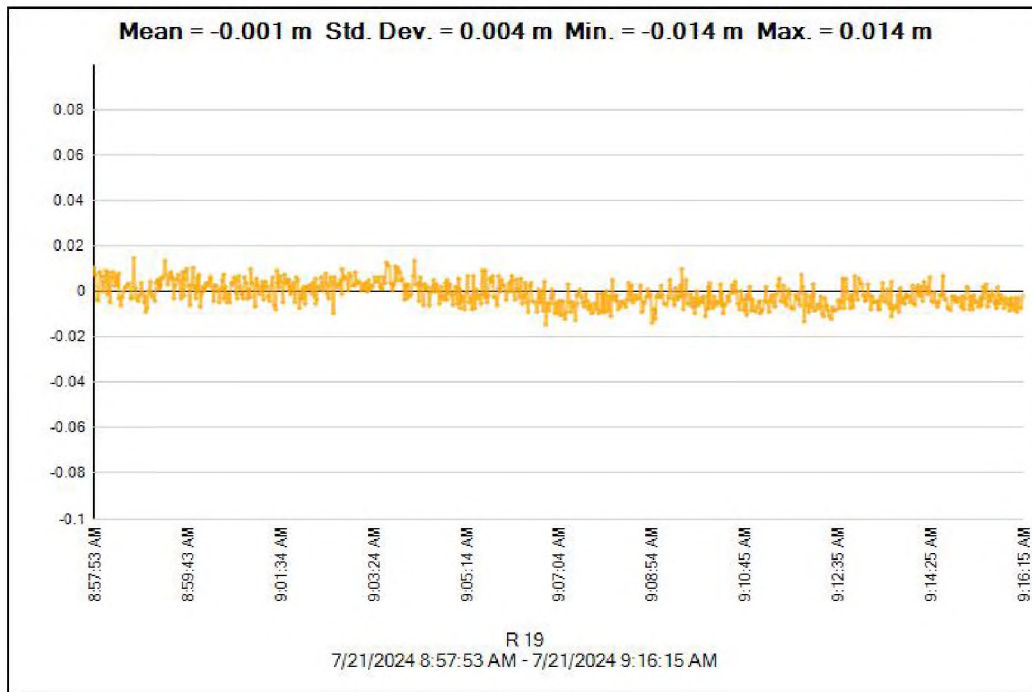
#### Aposteriori Covariance Matrix (Meter<sup>2</sup>)

	X	Y	Z
X	0.0000198566		
Y	0.0000194638	0.0000682037	
Z	0.0000083883	0.0000216848	0.0000175082

#### Occupations

	From	To
Point ID:	T-1	MNP-14
Data file:	C:\Users\SURVEY\Documents\Trimble	C:\Users\SURVEY\Documents\Trimble
Receiver type:	Unknown	Unknown
Receiver serial number:	5738R00452	5912R00126
Antenna type:	Unknown External	Unknown External
Antenna serial number:	-----	-----
Antenna height (measured):	1.520 m	2.000 m
Antenna method:	Antenna Phase Center	Bottom of antenna mount





#### T-1 (8:57:49 AM-10:59:51 AM) (S2)

Baseline observation:	MNP-12 (B7)
Processed:	7/21/2024 7:57:17 PM
Solution type:	Fixed
Frequency used:	Dual Frequency (L1, L2)
Horizontal precision:	0.010 m
Vertical precision:	0.018 m
RMS:	0.001 m
Maximum PDOP:	1.406
Ephemeris used:	Broadcast
Antenna model:	NGS Relative
Processing start time:	7/21/2024 10:21:22 AM (Local: UTC+5hr)
Processing stop time:	7/21/2024 10:31:28 AM (Local: UTC+5hr)
Processing duration:	00:10:06
Processing interval:	1 second

#### Vector Components (Mark to Mark)

From:	T-1				
	Grid		Local		Global
Northing	2904134.662 m	Latitude	N26°14'38.27544"	Latitude	N26°14'38.27544"
Easting	692549.486 m	Longitude	E70°55'39.99799"	Longitude	E70°55'39.99799"
Elevation	253.922 m	Height	209.281 m	Height	209.281 m
To:	MNP-12				
	Grid		Local		Global
Northing	2900929.253 m	Latitude	N26°12'54.94020"	Latitude	N26°12'54.94020"





Easting	690881.455 m	Longitude	E70°54'38.20195"	Longitude	E70°54'38.20195"
Elevation	266.913 m	Height	222.256 m	Height	222.256 m

<b>Vector</b>					
ΔNorthing	-3205.409 m	NS Fwd Azimuth	208°20'38"	ΔX	2084.335 m
ΔEasting	-1668.031 m	Ellipsoid Dist.	3613.249 m	ΔY	778.639 m
ΔElevation	12.992 m	ΔHeight	12.975 m	ΔZ	-2847.085 m

#### Standard Errors

<b>Vector errors:</b>					
σ ΔNorthing	0.004 m	σ NS fwd Azimuth	0°00'00"	σ ΔX	0.005 m
σ ΔEasting	0.004 m	σ Ellipsoid Dist.	0.004 m	σ ΔY	0.008 m
σ ΔElevation	0.009 m	σ ΔHeight	0.009 m	σ ΔZ	0.005 m

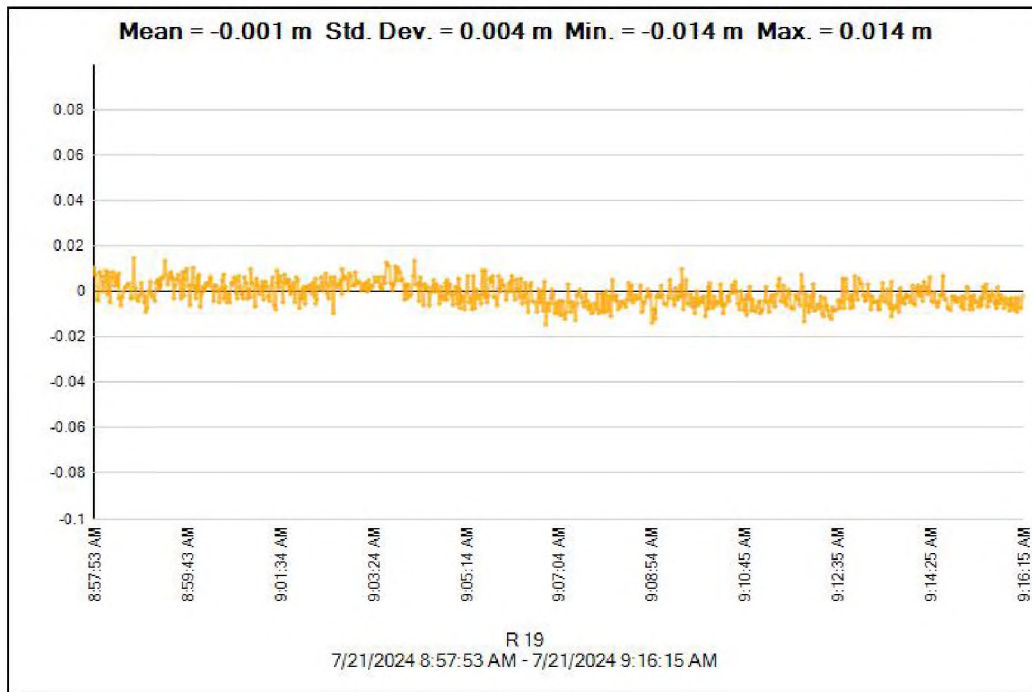
#### Aposteriori Covariance Matrix (Meter<sup>2</sup>)

	X	Y	Z
X	0.0000256174		
Y	0.0000224615	0.0000629223	
Z	0.0000104682	0.0000219787	0.0000239337

#### Occupations

	From	To
Point ID:	T-1	MNP-12
Data file:	C:\Users\SURVEY\Documents\Trimble	C:\Users\SURVEY\Documents\Trimble
Receiver type:	Unknown	Unknown
Receiver serial number:	5738R00452	5912R00126
Antenna type:	Unknown External	Unknown External
Antenna serial number:	-----	-----
Antenna height (measured):	1.520 m	2.000 m
Antenna method:	Antenna Phase Center	Bottom of antenna mount





#### T-1 (8:57:49 AM-10:59:51 AM) (S2)

Baseline observation:	MNP-15 (B8)
Processed:	7/21/2024 7:57:17 PM
Solution type:	Fixed
Frequency used:	Dual Frequency (L1, L2)
Horizontal precision:	0.011 m
Vertical precision:	0.020 m
RMS:	0.003 m
Maximum PDOP:	1.377
Ephemeris used:	Broadcast
Antenna model:	NGS Relative
Processing start time:	7/21/2024 10:39:51 AM (Local: UTC+5hr)
Processing stop time:	7/21/2024 10:50:36 AM (Local: UTC+5hr)
Processing duration:	00:10:45
Processing interval:	1 second

#### Vector Components (Mark to Mark)

From:	T-1				
	Grid		Local		Global
Northing	2904134.662 m	Latitude	N26°14'38.27544"	Latitude	N26°14'38.27544"
Easting	692549.486 m	Longitude	E70°55'39.99799"	Longitude	E70°55'39.99799"
Elevation	253.922 m	Height	209.281 m	Height	209.281 m
To:	MNP-15				
	Grid		Local		Global
Northing	2900891.619 m	Latitude	N26°12'53.89768"	Latitude	N26°12'53.89768"





Easting	690504.728 m	Longitude	E70°54'24.61308"	Longitude	E70°54'24.61308"
Elevation	258.544 m	Height	213.881 m	Height	213.881 m

<b>Vector</b>					
ΔNorthing	-3243.044 m	NS Fwd Azimuth	213°05'02"	ΔX	2443.000 m
ΔEasting	-2044.758 m	Ellipsoid Dist.	3833.642 m	ΔY	661.550 m
ΔElevation	4.622 m	ΔHeight	4.600 m	ΔZ	-2879.569 m

#### Standard Errors

<b>Vector errors:</b>					
σ ΔNorthing	0.005 m	σ NS fwd Azimuth	0°00'00"	σ ΔX	0.006 m
σ ΔEasting	0.004 m	σ Ellipsoid Dist.	0.005 m	σ ΔY	0.009 m
σ ΔElevation	0.010 m	σ ΔHeight	0.010 m	σ ΔZ	0.006 m

#### Aposteriori Covariance Matrix (Meter<sup>2</sup>)

	X	Y	Z
X	0.0000310461		
Y	0.0000291149	0.0000734191	
Z	0.0000134507	0.0000254141	0.0000342548

#### Occupations

	From	To
Point ID:	T-1	MNP-15
Data file:	C:\Users\SURVEY\Documents\Trimble	C:\Users\SURVEY\Documents\Trimble
Receiver type:	Unknown	Unknown
Receiver serial number:	5738R00452	5912R00126
Antenna type:	Unknown External	Unknown External
Antenna serial number:	-----	-----
Antenna height (measured):	1.520 m	2.000 m
Antenna method:	Antenna Phase Center	Bottom of antenna mount





Project information		Coordinate System	
Name:		Name:	UTM
Size:		Datum:	WGS 1984
Modified:		Zone:	42 North (69E)
Time zone:		Geoid:	EGM96 (Global)
Reference number:		Vertical datum:	
Description:			

### Baseline Processing Report

#### Processing Summary

Observation	From	To	Solution Type	H. Prec.	V. Prec.	Geodetic	Ellipsoid	ΔHeight
MNP-21 (B1)	B.St-1	MNP-21	Fixed	0.007	0.015	168°38'31"	1396.253	7.584
MNP-25 (B2)	B.St-1	MNP-25	Fixed	0.008	0.018	189°39'13"	1946.541	-3.558
MNP-23 (B3)	B.St-1	MNP-23	Fixed	0.007	0.016	189°17'54"	1951.505	-3.455
MNP-30 (B4)	B.St-1	MNP-30	Fixed	0.007	0.015	185°37'34"	1915.547	-4.650
MNP-32 (B5)	B.St-1	MNP-32	Fixed	0.008	0.015	183°12'30"	2165.713	3.702
MNP-17 (B6)	B.St-1	MNP-17	Fixed	0.010	0.017	203°44'18"	2233.431	-4.239
MNP-16 (B7)	B.St-1	MNP-16	Fixed	0.009	0.016	205°21'34"	2246.662	-3.930

#### Acceptance Summary

Processed	Passed	Flag	Fail
7	7	0	0

#### B.St-1 (8:58:13 AM-11:16:02 AM) (S1)

Baseline observation:	MNP-21 (B1)
Processed:	9/20/2024 9:03:48 PM
Solution type:	Fixed
Frequency used:	Dual Frequency (L1, L2)
Horizontal precision:	0.007 m
Vertical precision:	0.015 m
RMS:	0.001 m
Maximum PDOP:	1.542
Ephemeris used:	Broadcast
Antenna model:	NGS Relative
Processing start time:	9/20/2024 9:12:57 AM (Local: UTC+5hr)
Processing stop time:	9/20/2024 9:23:04 AM (Local: UTC+5hr)
Processing duration:	00:10:07
Processing interval:	1 second

#### Vector Components (Mark to Mark)

From:	B.St-1				
	Grid		Local		Global
Northing	2904134.662 m	Latitude	N26°14'38.27544"	Latitude	N26°14'38.27544"
Easting	692549.486 m	Longitude	E70°55'39.99799"	Longitude	E70°55'39.99799"
Elevation	253.922 m	Height	209.281 m	Height	209.281 m





To:		MNP-21			
Grid		Local		Global	
Northing	2902769.918 m	Latitude	N26°13'53.79485"	Latitude	N26°13'53.79485"
Easting	692844.820 m	Longitude	E70°55'49.90511"	Longitude	E70°55'49.90511"
Elevation	261.501 m	Height	216.865 m	Height	216.865 m

Vector					
ΔNorthing	-1364.744 m	NS Fwd Azimuth	168°38'31"	ΔX	-59.914 m
ΔEasting	295.334 m	Ellipsoid Dist.	1396.253 m	ΔY	668.268 m
ΔElevation	7.579 m	ΔHeight	7.584 m	ΔZ	-1224.556 m

#### Standard Errors

Vector errors:					
σ ΔNorthing	0.003 m	σ NS fwd Azimuth	0°00'00"	σ ΔX	0.004 m
σ ΔEasting	0.003 m	σ Ellipsoid Dist.	0.003 m	σ ΔY	0.007 m
σ ΔElevation	0.008 m	σ ΔHeight	0.008 m	σ ΔZ	0.004 m

#### Aposteriori Covariance Matrix (Meter<sup>2</sup>)

	X	Y	Z
X	0.0000126301		
Y	0.0000148174	0.0000490112	
Z	0.0000059486	0.0000174871	0.0000154894

#### Occupations

	From	To
Point ID:	B.St-1	MNP-21
Data file:	C:\Users\SURVEY\Documents\Trimble	C:\Users\SURVEY\Documents\Trimble
Receiver type:	Unknown	Unknown
Receiver serial number:	5738R00452	5912R00126
Antenna type:	Unknown External	Unknown External
Antenna serial number:	-----	-----
Antenna height (measured):	1.450 m	2.000 m
Antenna method:	Antenna Phase Center	Bottom of antenna mount





Maximum PDOP: 1.875  
 Ephemeris used: Broadcast  
 Antenna model: NGS Relative  
 Processing start time: 9/20/2024 9:33:46 AM (Local: UTC+5hr)  
 Processing stop time: 9/20/2024 9:43:52 AM (Local: UTC+5hr)  
 Processing duration: 00:10:06  
 Processing interval: 1 second

#### Vector Components (Mark to Mark)

From: B.St-1					
Grid		Local		Global	
Northing	2904134.662 m	Latitude	N26°14'38.27544"	Latitude	N26°14'38.27544"
Easting	692549.486 m	Longitude	E70°55'39.99799"	Longitude	E70°55'39.99799"
Elevation	253.922 m	Height	209.281 m	Height	209.281 m

To: MNP-25					
Grid		Local		Global	
Northing	2902210.932 m	Latitude	N26°13'35.92116"	Latitude	N26°13'35.92116"
Easting	692251.635 m	Longitude	E70°55'28.23802"	Longitude	E70°55'28.23802"
Elevation	250.366 m	Height	205.723 m	Height	205.723 m

Vector					
ΔNorthing	-1923.730 m	NS Fwd Azimuth	189°39'13"	ΔX	584.666 m
ΔEasting	-297.851 m	Ellipsoid Dist.	1946.541 m	ΔY	692.073 m
ΔElevation	-3.556 m	ΔHeight	-3.558 m	ΔZ	-1722.928 m

#### Standard Errors

Vector errors:					
σ ΔNorthing	0.003 m	σ NS fwd Azimuth	0°00'00"	σ ΔX	0.004 m
σ ΔEasting	0.003 m	σ Ellipsoid Dist.	0.003 m	σ ΔY	0.008 m
σ ΔElevation	0.009 m	σ ΔHeight	0.009 m	σ ΔZ	0.005 m

#### Aposteriori Covariance Matrix (Meter<sup>2</sup>)

	X	Y	Z
X	0.0000137512		
Y	0.0000177977	0.0000606392	
Z	0.0000093247	0.0000270366	0.0000248387

#### Occupations

	From	To
Point ID:	B.St-1	MNP-25
Data file:	C:\Users\SURVEY\Documents\Trimble	C:\Users\SURVEY\Documents\Trimble
Receiver type:	Unknown	Unknown
Receiver serial number:	5738R00452	5912R00126
Antenna type:	Unknown External	Unknown External
Antenna serial number:	-----	-----
Antenna height (measured):	1.450 m	2.000 m
Antenna method:	Antenna Phase Center	Bottom of antenna mount





Maximum PDOP: 1.791  
 Ephemeris used: Broadcast  
 Antenna model: NGS Relative  
 Processing start time: 9/20/2024 9:45:46 AM (Local: UTC+5hr)  
 Processing stop time: 9/20/2024 9:55:53 AM (Local: UTC+5hr)  
 Processing duration: 00:10:07  
 Processing interval: 1 second

#### Vector Components (Mark to Mark)

From:	B.St-1				
	Grid		Local		Global
Northing	2904134.662 m	Latitude	N26°14'38.27544"	Latitude	N26°14'38.27544"
Easting	692549.486 m	Longitude	E70°55'39.99799"	Longitude	E70°55'39.99799"
Elevation	253.922 m	Height	209.281 m	Height	209.281 m

To:	MNP-23				
	Grid		Local		Global
Northing	2902204.211 m	Latitude	N26°13'35.69739"	Latitude	N26°13'35.69739"
Easting	692262.846 m	Longitude	E70°55'28.63827"	Longitude	E70°55'28.63827"
Elevation	250.469 m	Height	205.826 m	Height	205.826 m

Vector					
ΔNorthing	-1930.452 m	NS Fwd Azimuth	189°17'54"	ΔX	575.191 m
ΔEasting	-286.640 m	Ellipsoid Dist.	1951.505 m	ΔY	698.668 m
ΔElevation	-3.453 m	ΔHeight	-3.455 m	ΔZ	-1729.061 m

#### Standard Errors

Vector errors:					
σ ΔNorthing	0.003 m	σ NS fwd Azimuth	0°00'00"	σ ΔX	0.003 m
σ ΔEasting	0.002 m	σ Ellipsoid Dist.	0.003 m	σ ΔY	0.007 m
σ ΔElevation	0.008 m	σ ΔHeight	0.008 m	σ ΔZ	0.005 m

#### Aposteriori Covariance Matrix (Meter<sup>2</sup>)

	X	Y	Z
X	0.0000100103		
Y	0.0000131078	0.0000459625	
Z	0.0000074482	0.0000231736	0.0000221370

#### Occupations

	From	To
Point ID:	B.St-1	MNP-23
Data file:	C:\Users\SURVEY\Documents\Trimble	C:\Users\SURVEY\Documents\Trimble
Receiver type:	Unknown	Unknown
Receiver serial number:	5738R00452	5912R00126
Antenna type:	Unknown External	Unknown External
Antenna serial number:	-----	-----
Antenna height (measured):	1.450 m	2.000 m
Antenna method:	Antenna Phase Center	Bottom of antenna mount





Maximum PDOP: 1.861  
 Ephemeris used: Broadcast  
 Antenna model: NGS Relative  
 Processing start time: 9/20/2024 10:00:33 AM (Local: UTC+5hr)  
 Processing stop time: 9/20/2024 10:10:48 AM (Local: UTC+5hr)  
 Processing duration: 00:10:15  
 Processing interval: 1 second

#### Vector Components (Mark to Mark)

From:	B.St-1				
	Grid		Local		Global
Northing	2904134.662 m	Latitude	N26°14'38.27544"	Latitude	N26°14'38.27544"
Easting	692549.486 m	Longitude	E70°55'39.99799"	Longitude	E70°55'39.99799"
Elevation	253.922 m	Height	209.281 m	Height	209.281 m

To:	MNP-30				
	Grid		Local		Global
Northing	2902225.650 m	Latitude	N26°13'36.33253"	Latitude	N26°13'36.33253"
Easting	692390.062 m	Longitude	E70°55'33.23218"	Longitude	E70°55'33.23218"
Elevation	249.272 m	Height	204.631 m	Height	204.631 m

Vector					
ΔNorthing	-1909.012 m	NS Fwd Azimuth	185°37'34"	ΔX	451.503 m
ΔEasting	-159.425 m	Ellipsoid Dist.	1915.547 m	ΔY	731.163 m
ΔElevation	-4.650 m	ΔHeight	-4.650 m	ΔZ	-1712.054 m

#### Standard Errors

Vector errors:					
σ ΔNorthing	0.003 m	σ NS fwd Azimuth	0°00'00"	σ ΔX	0.003 m
σ ΔEasting	0.002 m	σ Ellipsoid Dist.	0.003 m	σ ΔY	0.007 m
σ ΔElevation	0.008 m	σ ΔHeight	0.008 m	σ ΔZ	0.005 m

#### Aposteriori Covariance Matrix (Meter<sup>2</sup>)

	X	Y	Z
X	0.0000094473		
Y	0.0000112472	0.0000444245	
Z	0.0000067884	0.0000235821	0.0000240309

#### Occupations

	From	To
Point ID:	B.St-1	MNP-30
Data file:	C:\Users\SURVEY\Documents\Trimble	C:\Users\SURVEY\Documents\Trimble
Receiver type:	Unknown	Unknown
Receiver serial number:	5738R00452	5912R00126
Antenna type:	Unknown External	Unknown External
Antenna serial number:	-----	-----
Antenna height (measured):	1.450 m	2.000 m
Antenna method:	Antenna Phase Center	Bottom of antenna mount





Maximum PDOP: 1.472  
 Ephemeris used: Broadcast  
 Antenna model: NGS Relative  
 Processing start time: 9/20/2024 10:24:50 AM (Local: UTC+5hr)  
 Processing stop time: 9/20/2024 10:34:58 AM (Local: UTC+5hr)  
 Processing duration: 00:10:08  
 Processing interval: 1 second

#### Vector Components (Mark to Mark)

From:	B.St-1				
	Grid		Local		Global
Northing	2904134.662 m	Latitude	N26°14'38.27544"	Latitude	N26°14'38.27544"
Easting	692549.486 m	Longitude	E70°55'39.99799"	Longitude	E70°55'39.99799"
Elevation	253.922 m	Height	209.281 m	Height	209.281 m

To:	MNP-32				
	Grid		Local		Global
Northing	2901970.656 m	Latitude	N26°13'28.01425"	Latitude	N26°13'28.01425"
Easting	692460.460 m	Longitude	E70°55'35.63146"	Longitude	E70°55'35.63146"
Elevation	257.623 m	Height	212.983 m	Height	212.983 m

Vector					
ΔNorthing	-2164.007 m	NS Fwd Azimuth	183°12'30"	ΔX	427.978 m
ΔEasting	-89.027 m	Ellipsoid Dist.	2165.713 m	ΔY	866.928 m
ΔElevation	3.701 m	ΔHeight	3.702 m	ΔZ	-1938.017 m

#### Standard Errors

Vector errors:					
σ ΔNorthing	0.003 m	σ NS fwd Azimuth	0°00'00"	σ ΔX	0.003 m
σ ΔEasting	0.003 m	σ Ellipsoid Dist.	0.003 m	σ ΔY	0.007 m
σ ΔElevation	0.007 m	σ ΔHeight	0.007 m	σ ΔZ	0.004 m

#### Aposteriori Covariance Matrix (Meter<sup>2</sup>)

	X	Y	Z
X	0.0000105507		
Y	0.0000079301	0.0000442580	
Z	0.0000036932	0.0000185481	0.0000199965

#### Occupations

	From	To
Point ID:	B.St-1	MNP-32
Data file:	C:\Users\SURVEY\Documents\Trimble	C:\Users\SURVEY\Documents\Trimble
Receiver type:	Unknown	Unknown
Receiver serial number:	5738R00452	5912R00126
Antenna type:	Unknown External	Unknown External
Antenna serial number:	-----	-----
Antenna height (measured):	1.450 m	2.000 m
Antenna method:	Antenna Phase Center	Bottom of antenna mount





Maximum PDOP: 1.524  
 Ephemeris used: Broadcast  
 Antenna model: NGS Relative  
 Processing start time: 9/20/2024 10:53:31 AM (Local: UTC+5hr)  
 Processing stop time: 9/20/2024 11:03:43 AM (Local: UTC+5hr)  
 Processing duration: 00:10:12  
 Processing interval: 1 second

#### Vector Components (Mark to Mark)

From: B.St-1					
Grid		Local		Global	
Northing	2904134.662 m	Latitude	N26°14'38.27544"	Latitude	N26°14'38.27544"
Easting	692549.486 m	Longitude	E70°55'39.99799"	Longitude	E70°55'39.99799"
Elevation	253.922 m	Height	209.281 m	Height	209.281 m

To: MNP-17					
Grid		Local		Global	
Northing	2902076.932 m	Latitude	N26°13'31.84268"	Latitude	N26°13'31.84268"
Easting	691680.859 m	Longitude	E70°55'07.60654"	Longitude	E70°55'07.60654"
Elevation	249.692 m	Height	205.042 m	Height	205.042 m

Vector					
ΔNorthing	-2057.731 m	NS Fwd Azimuth	203°44'18"	ΔX	1143.828 m
ΔEasting	-868.628 m	Ellipsoid Dist.	2233.431 m	ΔY	556.730 m
ΔElevation	-4.230 m	ΔHeight	-4.239 m	ΔZ	-1835.829 m

#### Standard Errors

Vector errors:					
σ ΔNorthing	0.004 m	σ NS fwd Azimuth	0°00'00"	σ ΔX	0.004 m
σ ΔEasting	0.004 m	σ Ellipsoid Dist.	0.004 m	σ ΔY	0.008 m
σ ΔElevation	0.008 m	σ ΔHeight	0.008 m	σ ΔZ	0.005 m

#### Aposteriori Covariance Matrix (Meter<sup>2</sup>)

	X	Y	Z
X	0.0000173266		
Y	0.0000106353	0.0000621003	
Z	0.0000042403	0.0000205650	0.0000214013

#### Occupations

	From	To
Point ID:	B.St-1	MNP-17
Data file:	C:\Users\SURVEY\Documents\Trimble	C:\Users\SURVEY\Documents\Trimble
Receiver type:	Unknown	Unknown
Receiver serial number:	5738R00452	5912R00126
Antenna type:	Unknown External	Unknown External
Antenna serial number:	-----	-----
Antenna height (measured):	1.450 m	2.000 m
Antenna method:	Antenna Phase Center	Bottom of antenna mount





Maximum PDOP: 1.466  
 Ephemeris used: Broadcast  
 Antenna model: NGS Relative  
 Processing start time: 9/20/2024 11:05:45 AM (Local: UTC+5hr)  
 Processing stop time: 9/20/2024 11:15:56 AM (Local: UTC+5hr)  
 Processing duration: 00:10:11  
 Processing interval: 1 second

#### Vector Components (Mark to Mark)

From:	B.St-1				
	Grid		Local		Global
Northing	2904134.662 m	Latitude	N26°14'38.27544"	Latitude	N26°14'38.27544"
Easting	692549.486 m	Longitude	E70°55'39.99799"	Longitude	E70°55'39.99799"
Elevation	253.922 m	Height	209.281 m	Height	209.281 m

To:	MNP-16				
	Grid		Local		Global
Northing	2902090.287 m	Latitude	N26°13'32.30705"	Latitude	N26°13'32.30705"
Easting	691617.510 m	Longitude	E70°55'05.33177"	Longitude	E70°55'05.33177"
Elevation	250.002 m	Height	205.351 m	Height	205.351 m

Vector					
ΔNorthing	-2044.375 m	NS Fwd Azimuth	205°21'34"	ΔX	1201.528 m
ΔEasting	-931.977 m	Ellipsoid Dist.	2246.662 m	ΔY	530.381 m
ΔElevation	-3.920 m	ΔHeight	-3.930 m	ΔZ	-1822.872 m

#### Standard Errors

Vector errors:					
σ ΔNorthing	0.003 m	σ NS fwd Azimuth	0°00'00"	σ ΔX	0.004 m
σ ΔEasting	0.004 m	σ Ellipsoid Dist.	0.003 m	σ ΔY	0.008 m
σ ΔElevation	0.008 m	σ ΔHeight	0.008 m	σ ΔZ	0.004 m

#### Aposteriori Covariance Matrix (Meter<sup>2</sup>)

	X	Y	Z
X	0.0000177532		
Y	0.0000122085	0.0000572469	
Z	0.0000052344	0.0000186965	0.0000181322

#### Occupations

	From	To
Point ID:	B.St-1	MNP-16
Data file:	C:\Users\SURVEY\Documents\Trimble	C:\Users\SURVEY\Documents\Trimble
Receiver type:	Unknown	Unknown
Receiver serial number:	5738R00452	5912R00126
Antenna type:	Unknown External	Unknown External
Antenna serial number:	-----	-----
Antenna height (measured):	1.450 m	2.000 m
Antenna method:	Antenna Phase Center	Bottom of antenna mount





Project information		Coordinate System	
Name:		Name:	UTM
Size:		Datum:	WGS 1984
Modified:		Zone:	42 North (69E)
Time zone:		Geoid:	EGM96 (Global)
Reference number:		Vertical datum:	
Description:			

### Baseline Processing Report

#### Processing Summary

Observation	From	To	Solution Type	H. Prec.	V. Prec.	Geodetic	Ellipsoid	ΔHeight
MNP-18 (B1)	B.St-1	MNP-18	Fixed	0.011	0.022	199°21'21"	1884.244	-5.934
MNP-26 (B2)	B.St-1	MNP-26	Fixed	0.013	0.023	204°36'45"	2432.986	-0.419
MNP-20 (B3)	B.St-1	MNP-20	Fixed	0.009	0.017	205°29'44"	3033.520	7.896
MNP-19 (B4)	B.St-1	MNP-19	Fixed	0.008	0.016	206°27'26"	3030.190	9.713
MNP-22 (B5)	B.St-1	MNP-22	Fixed	0.009	0.021	206°43'30"	3425.646	12.317
MNP-24 (B6)	B.St-1	MNP-24	Fixed	0.009	0.023	207°02'51"	3440.030	13.001
MNP-29 (B7)	B.St-1	MNP-29	Fixed	0.009	0.022	209°48'09"	3412.765	14.964
MNP-28 (B8)	B.St-1	MNP-28	Fixed	0.010	0.020	210°55'09"	3915.196	12.308
MNP-27 (B9)	B.St-1	MNP-27	Fixed	0.010	0.018	210°18'11"	3771.163	8.669
MNP-31 (B10)	B.St-1	MNP-31	Fixed	0.010	0.017	210°51'00"	3780.895	7.702
106 (B11)	B.St-1	106	Fixed	0.015	0.024	195°37'04"	3356.114	10.878
107 (B12)	B.St-1	107	Fixed	0.015	0.024	195°59'33"	3197.759	7.809
108 (B13)	B.St-1	108	Fixed	0.015	0.023	196°06'07"	3151.518	8.268
109 (B14)	B.St-1	109	Fixed	0.015	0.024	196°29'06"	3006.719	5.306
110 (B15)	B.St-1	110	Fixed	0.015	0.024	196°39'43"	2912.033	4.667
111 (B16)	B.St-1	111	Fixed	0.014	0.023	198°15'08"	2642.070	0.135
112 (B17)	B.St-1	112	Fixed	0.014	0.022	200°29'43"	2329.150	-2.051
113 (B18)	B.St-1	113	Fixed	0.017	0.024	201°08'52"	2258.122	-1.037
114 (B19)	B.St-1	114	Fixed	0.023	0.039	201°35'37"	2240.594	-1.353
115 (B20)	B.St-1	115	Fixed	0.024	0.039	203°34'56"	2190.811	-3.995

#### Acceptance Summary

Processed	Passed	Flag	Fail
20	20	0	0

#### B.St-1 (7:54:56 AM-11:09:19 AM) (S1)

Baseline observation:	MNP-18 (B1)
Processed:	9/22/2024 12:53:16 PM
Solution type:	Fixed
Frequency used:	Dual Frequency (L1, L2)
Horizontal precision:	0.011 m
Vertical precision:	0.022 m
RMS:	0.002 m
Maximum PDOP:	1.323
Ephemeris used:	Broadcast





Antenna model:	NGS Relative
Processing start time:	9/22/2024 8:14:47 AM (Local: UTC+5hr)
Processing stop time:	9/22/2024 8:24:52 AM (Local: UTC+5hr)
Processing duration:	00:10:05
Processing interval:	1 second

## Vector Components (Mark to Mark)

From:	B.St-1				
	Grid		Local		Global
Northing	2904134.662 m	Latitude	N26°14'38.27544"	Latitude	N26°14'38.27544"
Easting	692549.486 m	Longitude	E70°55'39.99799"	Longitude	E70°55'39.99799"
Elevation	253.922 m	Height	209.281 m	Height	209.281 m

To:	MNP-18				
	Grid		Local		Global
Northing	2902347.722 m	Latitude	N26°13'40.50991"	Latitude	N26°13'40.50991"
Easting	691951.471 m	Longitude	E70°55'17.49886"	Longitude	E70°55'17.49886"
Elevation	247.993 m	Height	203.347 m	Height	203.347 m

Vector					
ΔNorthing	-1786.940 m	NS Fwd Azimuth	199°21'21"	ΔX	845.294 m
ΔEasting	-598.015 m	Ellipsoid Dist.	1884.244 m	ΔY	533.646 m
ΔElevation	-5.929 m	ΔHeight	-5.934 m	ΔZ	-1597.293 m

## Standard Errors

Vector errors:					
σ ΔNorthing	0.004 m	σ NS fwd Azimuth	0°00'00"	σ ΔX	0.005 m
σ ΔEasting	0.004 m	σ Ellipsoid Dist.	0.004 m	σ ΔY	0.010 m
σ ΔElevation	0.011 m	σ ΔHeight	0.011 m	σ ΔZ	0.005 m

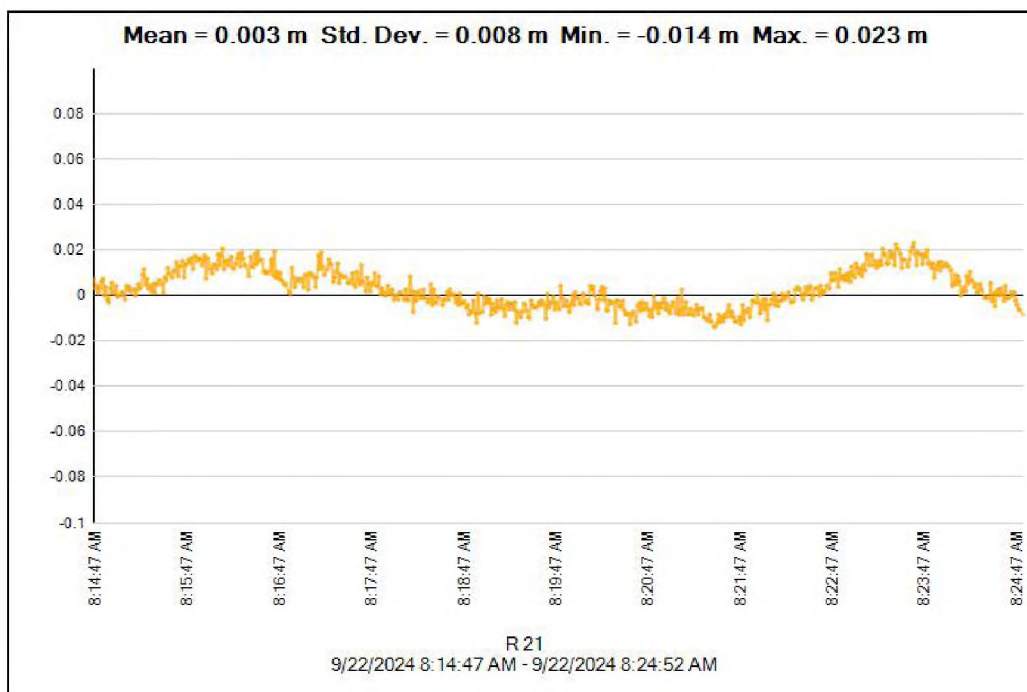
Aposteriori Covariance Matrix (Meter<sup>2</sup>)

	X	Y	Z
X	0.0000290693		
Y	0.0000371136	0.0001047195	
Z	0.0000088495	0.0000255743	0.0000202686

## Occupations

	From	To
Point ID:	B.St-1	MNP-18
Data file:	C:\Users\SURVEY\Documents\Trimble	C:\Users\SURVEY\Documents\Trimble
Receiver type:	Unknown	Unknown
Receiver serial number:	5738R00452	5912R00126
Antenna type:	Unknown External	Unknown External
Antenna serial number:	-----	-----
Antenna height (measured):	1.505 m	2.000 m
Antenna method:	Antenna Phase Center	Bottom of antenna mount





### B.St-1 (7:54:56 AM-11:09:19 AM) (S1)

Baseline observation:	MNP-26 (B2)
Processed:	9/22/2024 12:53:16 PM
Solution type:	Fixed
Frequency used:	Dual Frequency (L1, L2)
Horizontal precision:	0.013 m
Vertical precision:	0.023 m
RMS:	0.002 m
Maximum PDOP:	1.740
Ephemeris used:	Broadcast
Antenna model:	NGS Relative
Processing start time:	9/22/2024 8:33:45 AM (Local: UTC+5hr)
Processing stop time:	9/22/2024 8:43:58 AM (Local: UTC+5hr)
Processing duration:	00:10:13
Processing interval:	1 second

### Vector Components (Mark to Mark)

From:	B.St-1				
	Grid		Local		Global
Northing	2904134.662 m	Latitude	N26°14'38.27544"	Latitude	N26°14'38.27544"
Easting	692549.486 m	Longitude	E70°55'39.99799"	Longitude	E70°55'39.99799"
Elevation	253.922 m	Height	209.281 m	Height	209.281 m
To:	MNP-26				
	Grid		Local		Global
Northing	2901907.773 m	Latitude	N26°13'26.40074"	Latitude	N26°13'26.40074"





Easting	691569.159 m	Longitude	E70°55'03.49286"	Longitude	E70°55'03.49286"
Elevation	253.513 m	Height	208.862 m	Height	208.862 m

<b>Vector</b>					
ΔNorthing	-2226.889 m	NS Fwd Azimuth	204°36'45"	ΔX	1277.058 m
ΔEasting	-980.328 m	Ellipsoid Dist.	2432.986 m	ΔY	592.581 m
ΔElevation	-0.409 m	ΔHeight	-0.419 m	ΔZ	-1984.385 m

## Standard Errors

<b>Vector errors:</b>					
σ ΔNorthing	0.005 m	σ NS fwd Azimuth	0°00'00"	σ ΔX	0.006 m
σ ΔEasting	0.004 m	σ Ellipsoid Dist.	0.005 m	σ ΔY	0.011 m
σ ΔElevation	0.012 m	σ ΔHeight	0.012 m	σ ΔZ	0.005 m

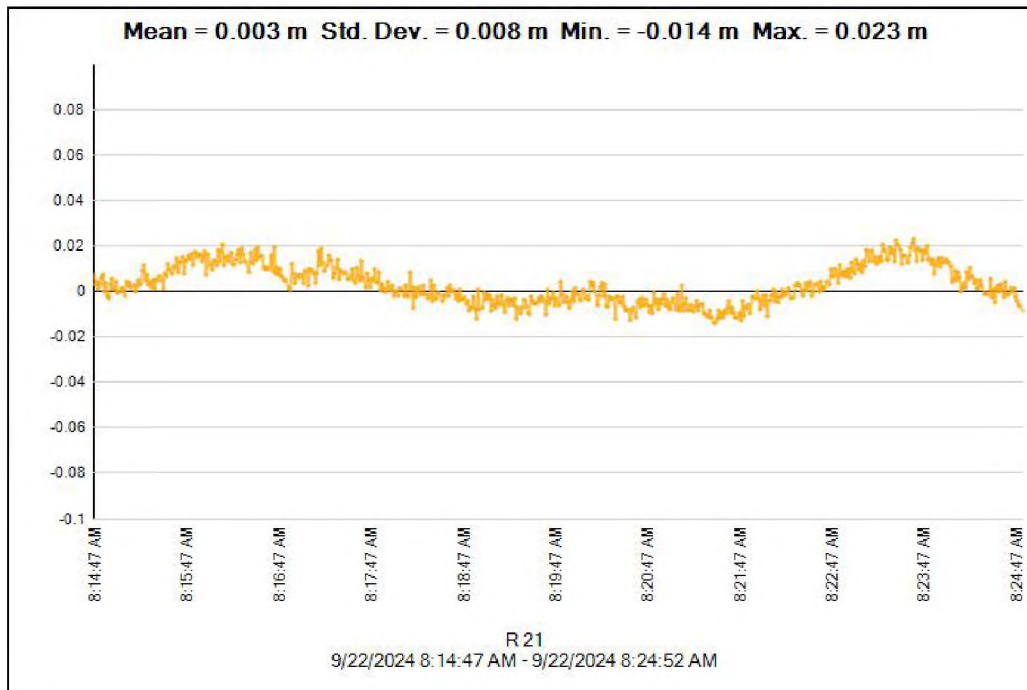
Aposteriori Covariance Matrix (Meter<sup>2</sup>)

	X	Y	Z
X	0.0000370005		
Y	0.0000425601	0.0001190276	
Z	0.0000091792	0.0000288120	0.0000260345

## Occupations

	From	To
Point ID:	B.St-1	MNP-26
Data file:	C:\Users\SURVEY\Documents\Trimble	C:\Users\SURVEY\Documents\Trimble
Receiver type:	Unknown	Unknown
Receiver serial number:	5738R00452	5912R00126
Antenna type:	Unknown External	Unknown External
Antenna serial number:	-----	-----
Antenna height (measured):	1.505 m	2.000 m
Antenna method:	Antenna Phase Center	Bottom of antenna mount





### B.St-1 (7:54:56 AM-11:09:19 AM) (S1)

Baseline observation:	MNP-20 (B3)
Processed:	9/22/2024 12:53:16 PM
Solution type:	Fixed
Frequency used:	Dual Frequency (L1, L2)
Horizontal precision:	0.009 m
Vertical precision:	0.017 m
RMS:	0.002 m
Maximum PDOP:	1.538
Ephemeris used:	Broadcast
Antenna model:	NGS Relative
Processing start time:	9/22/2024 8:51:00 AM (Local: UTC+5hr)
Processing stop time:	9/22/2024 9:01:09 AM (Local: UTC+5hr)
Processing duration:	00:10:09
Processing interval:	1 second

### Vector Components (Mark to Mark)

From:	B.St-1				
	Grid		Local		Global
Northing	2904134.662 m	Latitude	N26°14'38.27544"	Latitude	N26°14'38.27544"
Easting	692549.486 m	Longitude	E70°55'39.99799"	Longitude	E70°55'39.99799"
Elevation	253.922 m	Height	209.281 m	Height	209.281 m
To:	MNP-20				
	Grid		Local		Global
Northing	2901377.281 m	Latitude	N26°13'09.30267"	Latitude	N26°13'09.30267"





Easting	691284.537 m	Longitude	E70°54'52.95840"	Longitude	E70°54'52.95840"
Elevation	261.831 m	Height	217.177 m	Height	217.177 m

<b>Vector</b>					
ΔNorthing	-2757.381 m	NS Fwd Azimuth	205°29'44"	ΔX	1631.870 m
ΔEasting	-1264.949 m	Ellipsoid Dist.	3033.520 m	ΔY	723.749 m
ΔElevation	7.909 m	ΔHeight	7.896 m	ΔZ	-2452.776 m

#### Standard Errors

<b>Vector errors:</b>					
σ ΔNorthing	0.004 m	σ NS fwd Azimuth	0°00'00"	σ ΔX	0.005 m
σ ΔEasting	0.003 m	σ Ellipsoid Dist.	0.004 m	σ ΔY	0.008 m
σ ΔElevation	0.009 m	σ ΔHeight	0.009 m	σ ΔZ	0.004 m

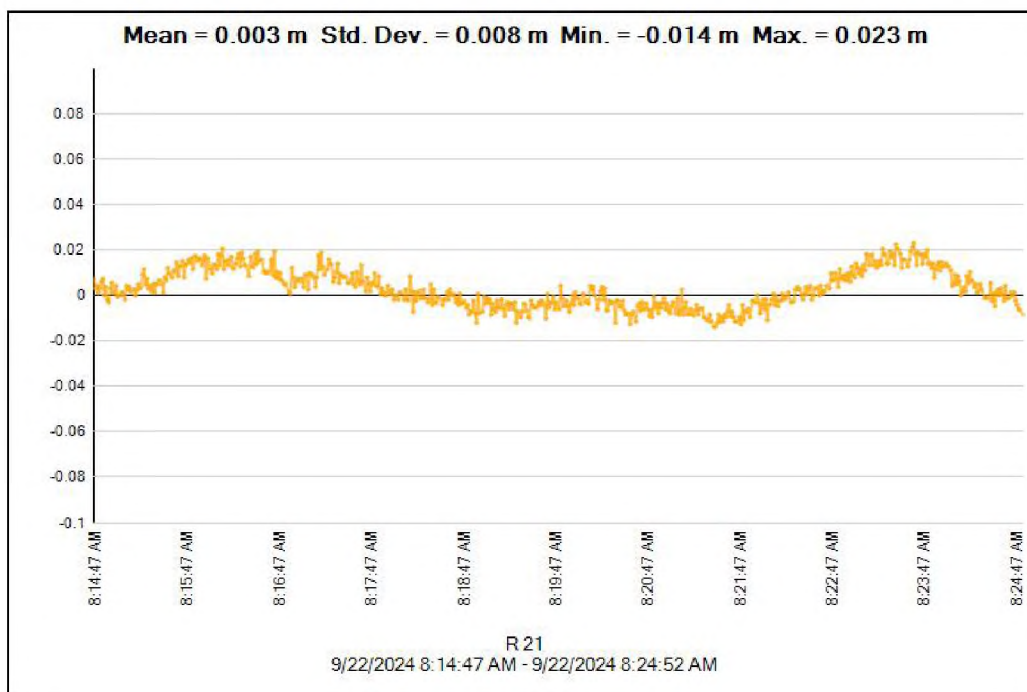
#### Aposteriori Covariance Matrix (Meter<sup>2</sup>)

	X	Y	Z
X	0.0000209570		
Y	0.0000212356	0.0000617599	
Z	0.0000063718	0.0000195955	0.0000185876

#### Occupations

	From	To
Point ID:	B.St-1	MNP-20
Data file:	C:\Users\SURVEY\Documents\Trimble	C:\Users\SURVEY\Documents\Trimble
Receiver type:	Unknown	Unknown
Receiver serial number:	5738R00452	5912R00126
Antenna type:	Unknown External	Unknown External
Antenna serial number:	-----	-----
Antenna height (measured):	1.505 m	2.000 m
Antenna method:	Antenna Phase Center	Bottom of antenna mount





### B.St-1 (7:54:56 AM-11:09:19 AM) (S1)

Baseline observation:	MNP-19 (B4)
Processed:	9/22/2024 12:53:16 PM
Solution type:	Fixed
Frequency used:	Dual Frequency (L1, L2)
Horizontal precision:	0.008 m
Vertical precision:	0.016 m
RMS:	0.001 m
Maximum PDOP:	1.583
Ephemeris used:	Broadcast
Antenna model:	NGS Relative
Processing start time:	9/22/2024 9:02:59 AM (Local: UTC+5hr)
Processing stop time:	9/22/2024 9:13:03 AM (Local: UTC+5hr)
Processing duration:	00:10:04
Processing interval:	1 second

### Vector Components (Mark to Mark)

From:	B.St-1				
	Grid		Local		Global
Northing	2904134.662 m	Latitude	N26°14'38.27544"	Latitude	N26°14'38.27544"
Easting	692549.486 m	Longitude	E70°55'39.99799"	Longitude	E70°55'39.99799"
Elevation	253.922 m	Height	209.281 m	Height	209.281 m
To:	MNP-19				
	Grid		Local		Global
Northing	2901401.901 m	Latitude	N26°13'10.12395"	Latitude	N26°13'10.12395"





Easting	691239.880 m	Longitude	E70°54'51.36300"	Longitude	E70°54'51.36300"
Elevation	263.648 m	Height	218.994 m	Height	218.994 m

<b>Vector</b>					
ΔNorthing	-2732.762 m	NS Fwd Azimuth	206°27'26"	ΔX	1670.604 m
ΔEasting	-1309.606 m	Ellipsoid Dist.	3030.190 m	ΔY	700.255 m
ΔElevation	9.726 m	ΔHeight	9.713 m	ΔZ	-2429.298 m

#### Standard Errors

<b>Vector errors:</b>					
σ ΔNorthing	0.003 m	σ NS fwd Azimuth	0°00'00"	σ ΔX	0.004 m
σ ΔEasting	0.003 m	σ Ellipsoid Dist.	0.003 m	σ ΔY	0.007 m
σ ΔElevation	0.008 m	σ ΔHeight	0.008 m	σ ΔZ	0.004 m

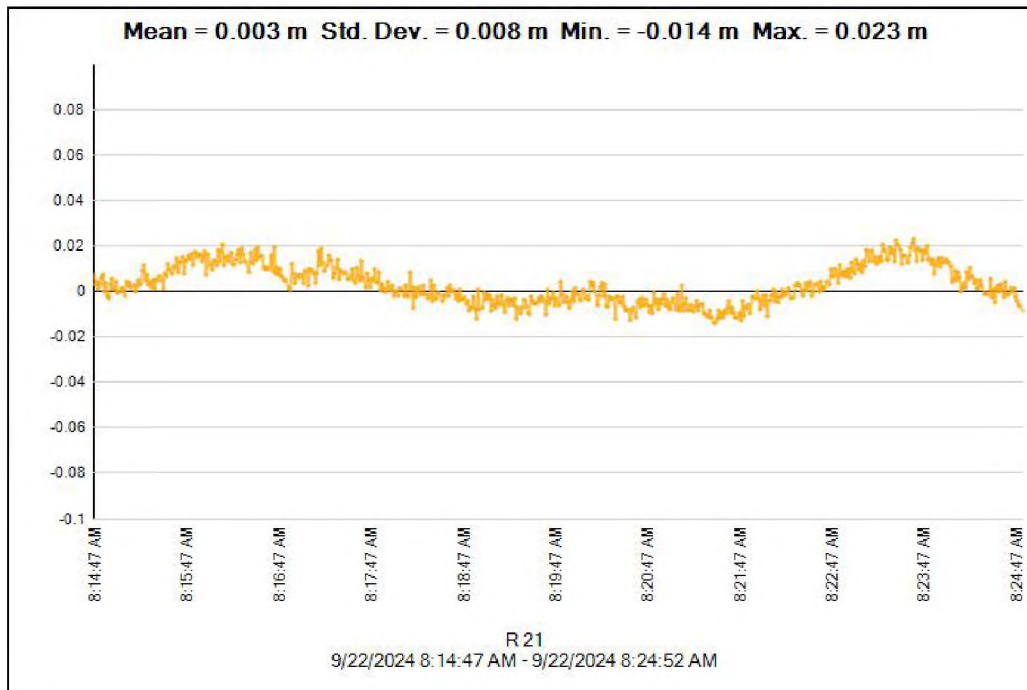
#### Aposteriori Covariance Matrix (Meter<sup>2</sup>)

	X	Y	Z
X	0.0000171298		
Y	0.0000173153	0.0000493934	
Z	0.0000070763	0.0000190958	0.0000184851

#### Occupations

	From	To
Point ID:	B.St-1	MNP-19
Data file:	C:\Users\SURVEY\Documents\Trimble	C:\Users\SURVEY\Documents\Trimble
Receiver type:	Unknown	Unknown
Receiver serial number:	5738R00452	5912R00126
Antenna type:	Unknown External	Unknown External
Antenna serial number:	-----	-----
Antenna height (measured):	1.505 m	2.000 m
Antenna method:	Antenna Phase Center	Bottom of antenna mount





### B.St-1 (7:54:56 AM-11:09:19 AM) (S1)

Baseline observation:	MNP-22 (B5)
Processed:	9/22/2024 12:53:16 PM
Solution type:	Fixed
Frequency used:	Dual Frequency (L1, L2)
Horizontal precision:	0.009 m
Vertical precision:	0.021 m
RMS:	0.001 m
Maximum PDOP:	2.021
Ephemeris used:	Broadcast
Antenna model:	NGS Relative
Processing start time:	9/22/2024 9:18:06 AM (Local: UTC+5hr)
Processing stop time:	9/22/2024 9:28:13 AM (Local: UTC+5hr)
Processing duration:	00:10:07
Processing interval:	1 second

### Vector Components (Mark to Mark)

From:	B.St-1				
	Grid		Local		Global
Northing	2904134.662 m	Latitude	N26°14'38.27544"	Latitude	N26°14'38.27544"
Easting	692549.486 m	Longitude	E70°55'39.99799"	Longitude	E70°55'39.99799"
Elevation	253.922 m	Height	209.281 m	Height	209.281 m
To:	MNP-22				
	Grid		Local		Global
Northing	2901052.217 m	Latitude	N26°12'58.85220"	Latitude	N26°12'58.85220"





Easting	691054.542 m	Longitude	E70°54'44.50150"	Longitude	E70°54'44.50150"
Elevation	266.254 m	Height	221.598 m	Height	221.598 m

<b>Vector</b>					
ΔNorthing	-3082.445 m	NS Fwd Azimuth	206°43'30"	ΔX	1901.487 m
ΔEasting	-1494.944 m	Ellipsoid Dist.	3425.646 m	ΔY	785.010 m
ΔElevation	12.332 m	ΔHeight	12.317 m	ΔZ	-2739.362 m

#### Standard Errors

<b>Vector errors:</b>					
σ ΔNorthing	0.004 m	σ NS fwd Azimuth	0°00'00"	σ ΔX	0.005 m
σ ΔEasting	0.004 m	σ Ellipsoid Dist.	0.004 m	σ ΔY	0.009 m
σ ΔElevation	0.011 m	σ ΔHeight	0.011 m	σ ΔZ	0.006 m

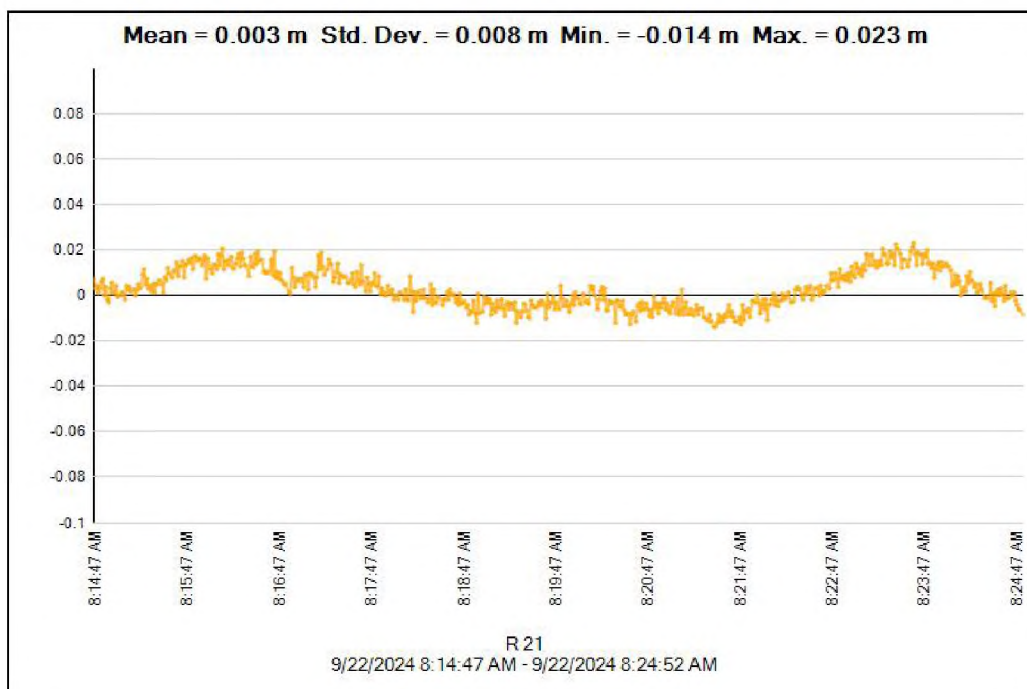
#### Aposteriori Covariance Matrix (Meter<sup>2</sup>)

	X	Y	Z
X	0.0000234471		
Y	0.0000272892	0.0000772472	
Z	0.0000163707	0.0000408834	0.0000379538

#### Occupations

	From	To
Point ID:	B.St-1	MNP-22
Data file:	C:\Users\SURVEY\Documents\Trimble	C:\Users\SURVEY\Documents\Trimble
Receiver type:	Unknown	Unknown
Receiver serial number:	5738R00452	5912R00126
Antenna type:	Unknown External	Unknown External
Antenna serial number:	-----	-----
Antenna height (measured):	1.505 m	2.000 m
Antenna method:	Antenna Phase Center	Bottom of antenna mount





### B.St-1 (7:54:56 AM-11:09:19 AM) (S1)

Baseline observation:	MNP-24 (B6)
Processed:	9/22/2024 12:53:16 PM
Solution type:	Fixed
Frequency used:	Dual Frequency (L1, L2)
Horizontal precision:	0.009 m
Vertical precision:	0.023 m
RMS:	0.001 m
Maximum PDOP:	2.185
Ephemeris used:	Broadcast
Antenna model:	NGS Relative
Processing start time:	9/22/2024 9:30:09 AM (Local: UTC+5hr)
Processing stop time:	9/22/2024 9:40:18 AM (Local: UTC+5hr)
Processing duration:	00:10:09
Processing interval:	1 second

### Vector Components (Mark to Mark)

From:	B.St-1				
	Grid		Local		Global
Northing	2904134.662 m	Latitude	N26°14'38.27544"	Latitude	N26°14'38.27544"
Easting	692549.486 m	Longitude	E70°55'39.99799"	Longitude	E70°55'39.99799"
Elevation	253.922 m	Height	209.281 m	Height	209.281 m
To:	MNP-24				
	Grid		Local		Global
Northing	2901047.775 m	Latitude	N26°12'58.71921"	Latitude	N26°12'58.71921"





Easting	691030.863 m	Longitude	E70°54'43.64626"	Longitude	E70°54'43.64626"
Elevation	266.939 m	Height	222.282 m	Height	222.282 m

<b>Vector</b>					
ΔNorthing	-3086.888 m	NS Fwd Azimuth	207°02'51"	ΔX	1924.715 m
ΔEasting	-1518.623 m	Ellipsoid Dist.	3440.030 m	ΔY	779.535 m
ΔElevation	13.017 m	ΔHeight	13.001 m	ΔZ	-2742.732 m

#### Standard Errors

<b>Vector errors:</b>					
σ ΔNorthing	0.004 m	σ NS fwd Azimuth	0°00'00"	σ ΔX	0.005 m
σ ΔEasting	0.003 m	σ Ellipsoid Dist.	0.004 m	σ ΔY	0.009 m
σ ΔElevation	0.012 m	σ ΔHeight	0.012 m	σ ΔZ	0.007 m

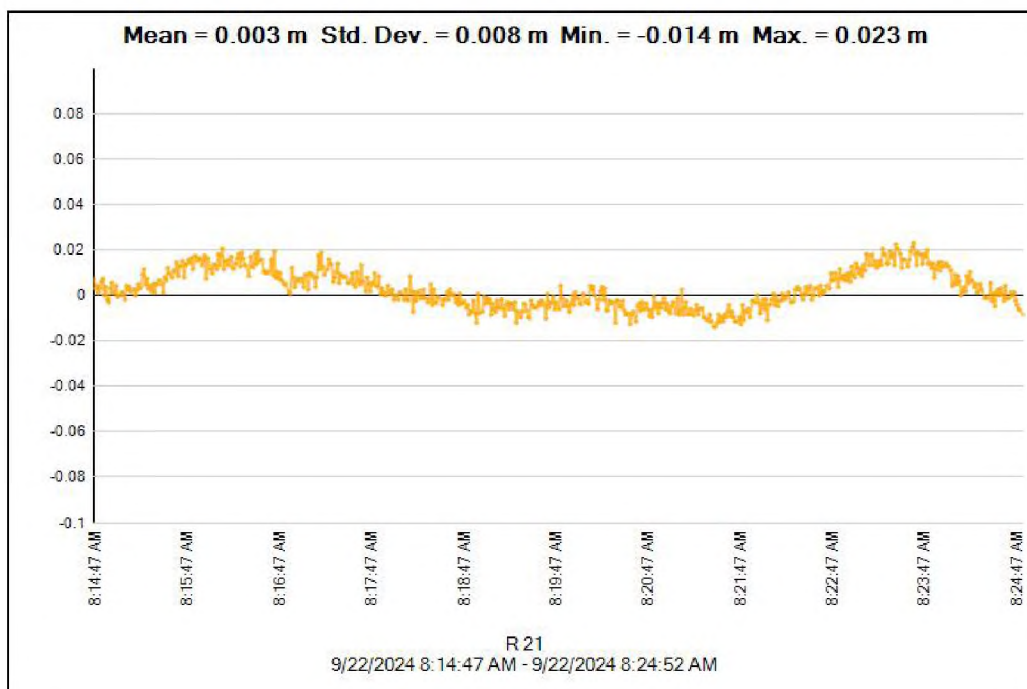
#### Aposteriori Covariance Matrix (Meter<sup>2</sup>)

	X	Y	Z
X	0.0000231961		
Y	0.0000318615	0.0000898839	
Z	0.0000208303	0.0000539228	0.0000484438

#### Occupations

	From	To
Point ID:	B.St-1	MNP-24
Data file:	C:\Users\SURVEY\Documents\Trimble	C:\Users\SURVEY\Documents\Trimble
Receiver type:	Unknown	Unknown
Receiver serial number:	5738R00452	5912R00126
Antenna type:	Unknown External	Unknown External
Antenna serial number:	-----	-----
Antenna height (measured):	1.505 m	2.000 m
Antenna method:	Antenna Phase Center	Bottom of antenna mount





### B.St-1 (7:54:56 AM-11:09:19 AM) (S1)

Baseline observation:	MNP-29 (B7)
Processed:	9/22/2024 12:53:16 PM
Solution type:	Fixed
Frequency used:	Dual Frequency (L1, L2)
Horizontal precision:	0.009 m
Vertical precision:	0.022 m
RMS:	0.001 m
Maximum PDOP:	2.072
Ephemeris used:	Broadcast
Antenna model:	NGS Relative
Processing start time:	9/22/2024 9:44:04 AM (Local: UTC+5hr)
Processing stop time:	9/22/2024 9:54:11 AM (Local: UTC+5hr)
Processing duration:	00:10:07
Processing interval:	1 second

### Vector Components (Mark to Mark)

From:	B.St-1				
	Grid		Local		Global
Northing	2904134.662 m	Latitude	N26°14'38.27544"	Latitude	N26°14'38.27544"
Easting	692549.486 m	Longitude	E70°55'39.99799"	Longitude	E70°55'39.99799"
Elevation	253.922 m	Height	209.281 m	Height	209.281 m
To:	MNP-29				
	Grid		Local		Global
Northing	2901148.195 m	Latitude	N26°13'02.04561"	Latitude	N26°13'02.04561"





Easting	690897.447 m	Longitude	E70°54'38.89416"	Longitude	E70°54'38.89416"
Elevation	268.903 m	Height	224.245 m	Height	224.245 m

<b>Vector</b>					
ΔNorthing	-2986.467 m	NS Fwd Azimuth	209°48'09"	ΔX	2035.166 m
ΔEasting	-1652.039 m	Ellipsoid Dist.	3412.765 m	ΔY	695.319 m
ΔElevation	14.981 m	ΔHeight	14.964 m	ΔZ	-2650.021 m

#### Standard Errors

<b>Vector errors:</b>					
σ ΔNorthing	0.004 m	σ NS fwd Azimuth	0°00'00"	σ ΔX	0.004 m
σ ΔEasting	0.003 m	σ Ellipsoid Dist.	0.004 m	σ ΔY	0.009 m
σ ΔElevation	0.011 m	σ ΔHeight	0.011 m	σ ΔZ	0.007 m

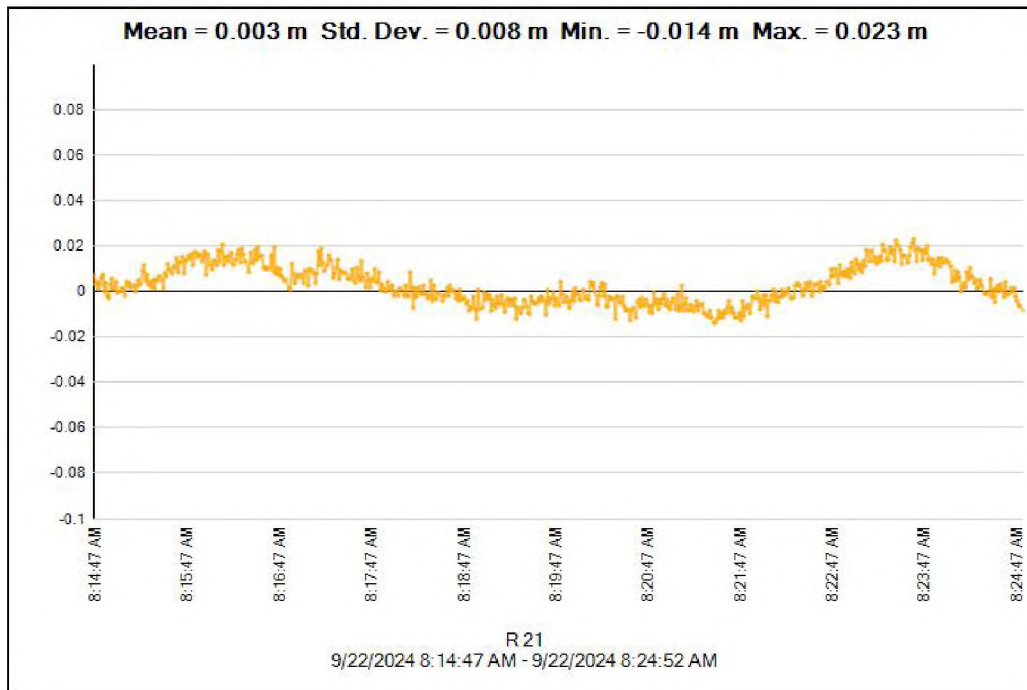
#### Aposteriori Covariance Matrix (Meter<sup>2</sup>)

	X	Y	Z
X	0.0000190691		
Y	0.0000252949	0.0000857502	
Z	0.0000164198	0.0000503340	0.0000466746

#### Occupations

	From	To
Point ID:	B.St-1	MNP-29
Data file:	C:\Users\SURVEY\Documents\Trimble	C:\Users\SURVEY\Documents\Trimble
Receiver type:	Unknown	Unknown
Receiver serial number:	5738R00452	5912R00126
Antenna type:	Unknown External	Unknown External
Antenna serial number:	-----	-----
Antenna height (measured):	1.505 m	2.000 m
Antenna method:	Antenna Phase Center	Bottom of antenna mount





#### B.St-1 (7:54:56 AM-11:09:19 AM) (S1)

Baseline observation:	MNP-28 (B8)
Processed:	9/22/2024 12:53:16 PM
Solution type:	Fixed
Frequency used:	Dual Frequency (L1, L2)
Horizontal precision:	0.010 m
Vertical precision:	0.020 m
RMS:	0.002 m
Maximum PDOP:	1.385
Ephemeris used:	Broadcast
Antenna model:	NGS Relative
Processing start time:	9/22/2024 9:59:58 AM (Local: UTC+5hr)
Processing stop time:	9/22/2024 10:10:04 AM (Local: UTC+5hr)
Processing duration:	00:10:06
Processing interval:	1 second

#### Vector Components (Mark to Mark)

From:	B.St-1				
	Grid		Local		Global
Northing	2904134.662 m	Latitude	N26°14'38.27544"	Latitude	N26°14'38.27544"
Easting	692549.486 m	Longitude	E70°55'39.99799"	Longitude	E70°55'39.99799"
Elevation	253.922 m	Height	209.281 m	Height	209.281 m
To:	MNP-28				
	Grid		Local		Global
Northing	2900746.111 m	Latitude	N26°12'49.13064"	Latitude	N26°12'49.13064"





Easting	690587.827 m	Longitude	E70°54'27.52903"	Longitude	E70°54'27.52903"
Elevation	266.250 m	Height	221.589 m	Height	221.589 m

<b>Vector</b>					
ΔNorthing	-3388.552 m	NS Fwd Azimuth	210°55'09"	ΔX	2389.964 m
ΔEasting	-1961.659 m	Ellipsoid Dist.	3915.196 m	ΔY	755.804 m
ΔElevation	12.328 m	ΔHeight	12.308 m	ΔZ	-3007.787 m

#### Standard Errors

<b>Vector errors:</b>					
σ ΔNorthing	0.004 m	σ NS fwd Azimuth	0°00'00"	σ ΔX	0.004 m
σ ΔEasting	0.004 m	σ Ellipsoid Dist.	0.004 m	σ ΔY	0.009 m
σ ΔElevation	0.010 m	σ ΔHeight	0.010 m	σ ΔZ	0.006 m

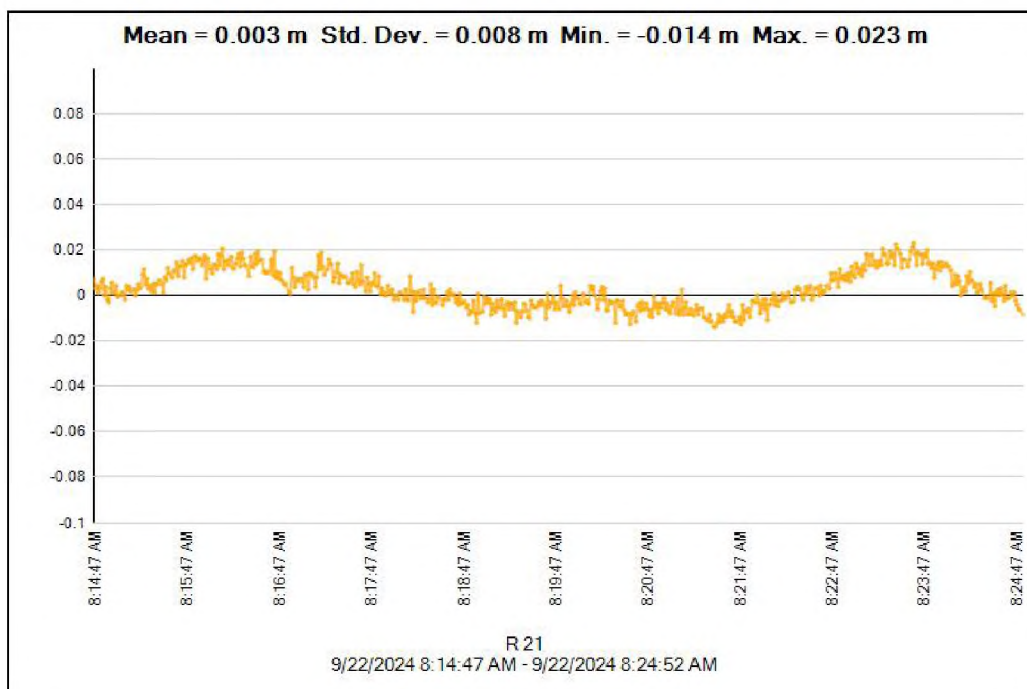
#### Aposteriori Covariance Matrix (Meter<sup>2</sup>)

	X	Y	Z
X	0.0000198463		
Y	0.0000205962	0.0000771518	
Z	0.0000111093	0.0000379838	0.0000385210

#### Occupations

	From	To
Point ID:	B.St-1	MNP-28
Data file:	C:\Users\SURVEY\Documents\Trimble	C:\Users\SURVEY\Documents\Trimble
Receiver type:	Unknown	Unknown
Receiver serial number:	5738R00452	5912R00126
Antenna type:	Unknown External	Unknown External
Antenna serial number:	-----	-----
Antenna height (measured):	1.505 m	2.000 m
Antenna method:	Antenna Phase Center	Bottom of antenna mount





### B.St-1 (7:54:56 AM-11:09:19 AM) (S1)

Baseline observation:	MNP-27 (B9)
Processed:	9/22/2024 12:53:16 PM
Solution type:	Fixed
Frequency used:	Dual Frequency (L1, L2)
Horizontal precision:	0.010 m
Vertical precision:	0.018 m
RMS:	0.001 m
Maximum PDOP:	1.538
Ephemeris used:	Broadcast
Antenna model:	NGS Relative
Processing start time:	9/22/2024 10:14:12 AM (Local: UTC+5hr)
Processing stop time:	9/22/2024 10:24:19 AM (Local: UTC+5hr)
Processing duration:	00:10:07
Processing interval:	1 second

### Vector Components (Mark to Mark)

From:	B.St-1				
	Grid		Local		Global
Northing	2904134.662 m	Latitude	N26°14'38.27544"	Latitude	N26°14'38.27544"
Easting	692549.486 m	Longitude	E70°55'39.99799"	Longitude	E70°55'39.99799"
Elevation	253.922 m	Height	209.281 m	Height	209.281 m
To:	MNP-27				
	Grid		Local		Global
Northing	2900850.638 m	Latitude	N26°12'52.47522"	Latitude	N26°12'52.47522"





Easting	690695.203 m	Longitude	E70°54'31.45184"	Longitude	E70°54'31.45184"
Elevation	262.610 m	Height	217.950 m	Height	217.950 m

<b>Vector</b>					
ΔNorthing	-3284.025 m	NS Fwd Azimuth	210°18'11"	ΔX	2271.114 m
ΔEasting	-1854.284 m	Ellipsoid Dist.	3771.163 m	ΔY	745.371 m
ΔElevation	8.688 m	ΔHeight	8.669 m	ΔZ	-2917.047 m

#### Standard Errors

<b>Vector errors:</b>					
σ ΔNorthing	0.004 m	σ NS fwd Azimuth	0°00'00"	σ ΔX	0.004 m
σ ΔEasting	0.004 m	σ Ellipsoid Dist.	0.004 m	σ ΔY	0.008 m
σ ΔElevation	0.009 m	σ ΔHeight	0.009 m	σ ΔZ	0.005 m

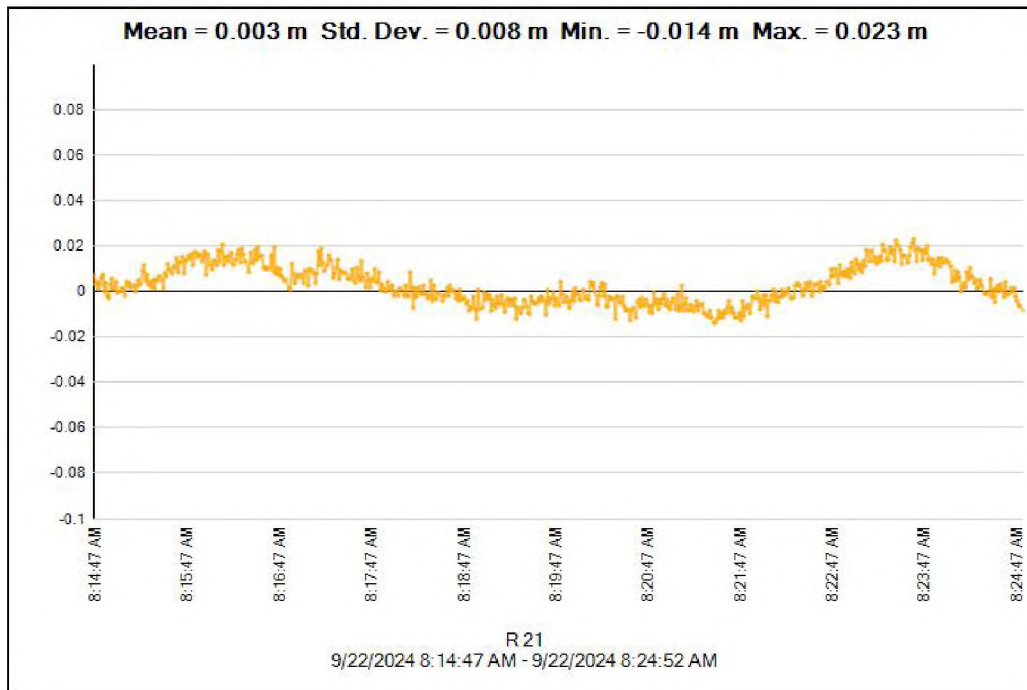
#### Aposteriori Covariance Matrix (Meter<sup>2</sup>)

	X	Y	Z
X	0.0000181847		
Y	0.0000165153	0.0000666938	
Z	0.0000058401	0.0000266082	0.0000280474

#### Occupations

	From	To
Point ID:	B.St-1	MNP-27
Data file:	C:\Users\SURVEY\Documents\Trimble	C:\Users\SURVEY\Documents\Trimble
Receiver type:	Unknown	Unknown
Receiver serial number:	5738R00452	5912R00126
Antenna type:	Unknown External	Unknown External
Antenna serial number:	-----	-----
Antenna height (measured):	1.505 m	2.000 m
Antenna method:	Antenna Phase Center	Bottom of antenna mount





#### B.St-1 (7:54:56 AM-11:09:19 AM) (S1)

Baseline observation:	MNP-31 (B10)
Processed:	9/22/2024 12:53:16 PM
Solution type:	Fixed
Frequency used:	Dual Frequency (L1, L2)
Horizontal precision:	0.010 m
Vertical precision:	0.017 m
RMS:	0.002 m
Maximum PDOP:	1.733
Ephemeris used:	Broadcast
Antenna model:	NGS Relative
Processing start time:	9/22/2024 10:25:58 AM (Local: UTC+5hr)
Processing stop time:	9/22/2024 10:36:02 AM (Local: UTC+5hr)
Processing duration:	00:10:04
Processing interval:	1 second

#### Vector Components (Mark to Mark)

From:	B.St-1				
	Grid		Local		Global
Northing	2904134.662 m	Latitude	N26°14'38.27544"	Latitude	N26°14'38.27544"
Easting	692549.486 m	Longitude	E70°55'39.99799"	Longitude	E70°55'39.99799"
Elevation	253.922 m	Height	209.281 m	Height	209.281 m
To:	MNP-31				
	Grid		Local		Global
Northing	2900860.065 m	Latitude	N26°12'52.79880"	Latitude	N26°12'52.79880"





Easting	690659.061 m	Longitude	E70°54'30.15509"	Longitude	E70°54'30.15509"
Elevation	261.644 m	Height	216.983 m	Height	216.983 m

<b>Vector</b>					
ΔNorthing	-3274.597 m	NS Fwd Azimuth	210°51'00"	ΔX	2303.410 m
ΔEasting	-1890.425 m	Ellipsoid Dist.	3780.895 m	ΔY	728.620 m
ΔElevation	7.722 m	ΔHeight	7.702 m	ΔZ	-2908.539 m

#### Standard Errors

<b>Vector errors:</b>					
σ ΔNorthing	0.004 m	σ NS fwd Azimuth	0°00'00"	σ ΔX	0.004 m
σ ΔEasting	0.004 m	σ Ellipsoid Dist.	0.004 m	σ ΔY	0.008 m
σ ΔElevation	0.009 m	σ ΔHeight	0.009 m	σ ΔZ	0.005 m

#### Aposteriori Covariance Matrix (Meter<sup>2</sup>)

	X	Y	Z
X	0.0000173039		
Y	0.0000146598	0.0000611321	
Z	0.0000036851	0.0000202273	0.0000221227

#### Occupations

	From	To
Point ID:	B.St-1	MNP-31
Data file:	C:\Users\SURVEY\Documents\Trimble	C:\Users\SURVEY\Documents\Trimble
Receiver type:	Unknown	Unknown
Receiver serial number:	5738R00452	5912R00126
Antenna type:	Unknown External	Unknown External
Antenna serial number:	-----	-----
Antenna height (measured):	1.505 m	2.000 m
Antenna method:	Antenna Phase Center	Bottom of antenna mount