

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)
SURVEY OF INDIA (MHGR) --- MMDB-03 (B1)	SURVEY OF INDIA (MHGR)	MMDB-03	Fixed	0.0224	0.0411	20°23'22.1"	44375.9669	-64.8406
SURVEY OF INDIA (MHGR) --- MMDB-04 (B2)	SURVEY OF INDIA (MHGR)	MMDB-04	Fixed	0.0176	0.0488	20°30'11.2"	44566.1467	-61.9151
SURVEY OF INDIA (MHGR) --- MMDB-09 (B3)	SURVEY OF INDIA (MHGR)	MMDB-09	Fixed	0.0188	0.0488	21°06'15.6"	45782.0599	-85.6578
SURVEY OF INDIA (MHGR) --- MMDB-05 (B4)	SURVEY OF INDIA (MHGR)	MMDB-05	Fixed	0.0173	0.0369	20°58'14.1"	45445.7777	-82.8232
SURVEY OF INDIA (MHGR) --- MMDB-06 (B5)	SURVEY OF INDIA (MHGR)	MMDB-06	Fixed	0.0182	0.0331	20°54'48.5"	45251.6324	-81.8967

Acceptance Summary

Processed	Passed	Flag		Fail	
5	5	0		0	

SURVEY OF INDIA (MHGR) - MMDB-03 (08:35:04-08:50:10) (S1)

Baseline observation:	SURVEY OF INDIA (MHGR) --- MMDB-03 (B1)
Processed:	21-12-2025 04:09:03
Solution type:	Fixed
Frequency used:	Multiple Frequencies
Horizontal precision:	0.0224 m
Vertical precision:	0.0411 m
RMS:	0.0269 m
Maximum PDOP:	1.587
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	20-12-2025 08:35:04 (GPS Time)
Processing stop time:	20-12-2025 08:50:10 (GPS Time)
Processing duration:	00:15:06
Processing interval:	1 second
Processing mode:	Wide Lane Mode

Vector Components (Mark to Mark)

From:	SURVEY OF INDIA (MHGR)				
Grid		Local		Global	
Easting	265578.978 m	Latitude	N24°59'05.63006"	Latitude	N24°59'05.63006"
Northing	2765282.866 m	Longitude	E78°40'39.42790"	Longitude	E78°40'39.42790"
Elevation	313.321 m	Height	255.368 m	Height	255.368 m

To:	MMDB-03				
Grid		Local		Global	
Easting	281758.308 m	Latitude	N25°21'37.12640"	Latitude	N25°21'37.12640"
Northing	2806615.337 m	Longitude	E78°49'52.39006"	Longitude	E78°49'52.39006"
Elevation	249.047 m	Height	190.527 m	Height	190.527 m

Vector					
ΔEasting	16179.3297 m	NS Fwd Azimuth	20°23'22.1"	ΔX	-18648.5501 m
ΔNorthing	41332.4707 m	Ellipsoid Dist.	44375.9669 m	ΔY	-14387.5760 m
ΔElevation	-64.274 m	ΔHeight	-64.8406 m	ΔZ	37611.0372 m

Standard Errors

Vector errors:					
$\sigma \Delta \text{Easting}$	0.0146 m	$\sigma \text{ NS fwd Azimuth}$	0°00'00.1"	$\sigma \Delta X$	0.0140 m
$\sigma \Delta \text{Northing}$	0.0146 m	$\sigma \text{ Ellipsoid Dist.}$	0.0137 m	$\sigma \Delta Y$	0.0409 m
$\sigma \Delta \text{Elevation}$	0.0411 m	$\sigma \Delta \text{Height}$	0.0411 m	$\sigma \Delta Z$	0.0157 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0001954854		
Y	0.0001006337	0.0016760920	
Z	0.0000259922	0.0003754484	0.0002463837

Occupations

	From	To
Point ID:	SURVEY OF INDIA (MHGR)	MMDB-03
Data file:	C:\Users\DELL\Documents\Trimble Business Center\Unnamed\MHGR354G.25o	C:\Users\DELL\Documents\Trimble Business Center\Unnamed\PZ0E3541.t04
Receiver type:	Alloy	Catalyst DA2
Receiver serial number:	6115R40040	6504100164
Antenna type:	GNSS-Ti Choke Ring v2 w/SCIS Dome	DA2
Antenna serial number:	-----	04100164
Antenna height (measured):	0.0000 m	1.9830 m
Antenna method:	Bottom of antenna mount	Bottom of antenna mount

SURVEY OF INDIA (MHGR) - MMDB-04 (08:07:13-08:22:24) (S2)

Baseline observation:	SURVEY OF INDIA (MHGR) --- MMDB-04 (B2)
Processed:	21-12-2025 04:08:57
Solution type:	Fixed
Frequency used:	Multiple Frequencies
Horizontal precision:	0.0176 m
Vertical precision:	0.0488 m
RMS:	0.0240 m
Maximum PDOP:	1.583
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	20-12-2025 08:07:13 (GPS Time)
Processing stop time:	20-12-2025 08:22:24 (GPS Time)
Processing duration:	00:15:11
Processing interval:	1 second
Processing mode:	Wide Lane Mode

Vector Components (Mark to Mark)

From:	SURVEY OF INDIA (MHGR)				
Grid		Local		Global	
Easting	265578.978 m	Latitude	N24°59'05.63006"	Latitude	N24°59'05.63006"
Northing	2765282.866 m	Longitude	E78°40'39.42790"	Longitude	E78°40'39.42790"
Elevation	313.321 m	Height	255.368 m	Height	255.368 m

To:	MMDB-04				
Grid		Local		Global	
Easting	281909.966 m	Latitude	N25°21'41.91037"	Latitude	N25°21'41.91037"
Northing	2806760.136 m	Longitude	E78°49'57.72863"	Longitude	E78°49'57.72863"
Elevation	251.977 m	Height	193.453 m	Height	193.453 m

Vector					
ΔEasting	16330.9875 m	NS Fwd Azimuth	20°30'11.2"	ΔX	-18806.6911 m
ΔNorthing	41477.2698 m	Ellipsoid Dist.	44566.1467 m	ΔY	-14417.9328 m
ΔElevation	-61.344 m	ΔHeight	-61.9151 m	ΔZ	37745.3183 m

Standard Errors

Vector errors:					
$\sigma \Delta$ Easting	0.0124 m	σ NS fwd Azimuth	0°00'00.1"	$\sigma \Delta$ X	0.0169 m
$\sigma \Delta$ Northing	0.0121 m	σ Ellipsoid Dist.	0.0120 m	$\sigma \Delta$ Y	0.0461 m
$\sigma \Delta$ Elevation	0.0488 m	$\sigma \Delta$ Height	0.0488 m	$\sigma \Delta$ Z	0.0164 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0002868624		
Y	0.0005289852	0.0021234949	
Z	0.0001868373	0.0005989092	0.0002688627

Occupations

	From	To
Point ID:	SURVEY OF INDIA (MHGR)	MMDB-04
Data file:	C:\Users\DELL\Documents\Trimble Business Center\Unnamed\MHGR354G.25o	C:\Users\DELL\Documents\Trimble Business Center\Unnamed\PZ0E3541.t04
Receiver type:	Alloy	Catalyst DA2
Receiver serial number:	6115R40040	6504100164
Antenna type:	GNSS-Ti Choke Ring v2 w/SCIS Dome	DA2
Antenna serial number:	-----	04100164
Antenna height (measured):	0.0000 m	1.9830 m
Antenna method:	Bottom of antenna mount	Bottom of antenna mount

SURVEY OF INDIA (MHGR) - MMDB-09 (07:36:05-07:52:55) (S3)

Baseline observation:	SURVEY OF INDIA (MHGR) --- MMDB-09 (B3)
Processed:	21-12-2025 04:08:58
Solution type:	Fixed
Frequency used:	Multiple Frequencies
Horizontal precision:	0.0188 m
Vertical precision:	0.0488 m
RMS:	0.0290 m
Maximum PDOP:	1.603
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	20-12-2025 07:36:05 (GPS Time)
Processing stop time:	20-12-2025 07:52:55 (GPS Time)
Processing duration:	00:16:50
Processing interval:	1 second
Processing mode:	Wide Lane Mode

Vector Components (Mark to Mark)

From:	SURVEY OF INDIA (MHGR)				
Grid		Local		Global	
Easting	265578.978 m	Latitude	N24°59'05.63006"	Latitude	N24°59'05.63006"
Northing	2765282.866 m	Longitude	E78°40'39.42790"	Longitude	E78°40'39.42790"
Elevation	313.321 m	Height	255.368 m	Height	255.368 m

To:	MMDB-09				
Grid		Local		Global	
Easting	282801.755 m	Latitude	N25°22'13.34297"	Latitude	N25°22'13.34297"
Northing	2807713.249 m	Longitude	E78°50'29.06454"	Longitude	E78°50'29.06454"
Elevation	228.260 m	Height	169.710 m	Height	169.710 m

Vector					
ΔEasting	17222.7766 m	NS Fwd Azimuth	21°06'15.6"	ΔX	-19750.6077 m
ΔNorthing	42430.3827 m	Ellipsoid Dist.	45782.0599 m	ΔY	-14675.9001 m
ΔElevation	-85.061 m	ΔHeight	-85.6578 m	ΔZ	38609.1569 m

Standard Errors

Vector errors:					
$\sigma \Delta$ Easting	0.0133 m	σ NS fwd Azimuth	0°00'00.1"	$\sigma \Delta$ X	0.0131 m
$\sigma \Delta$ Northing	0.0105 m	σ Ellipsoid Dist.	0.0108 m	$\sigma \Delta$ Y	0.0453 m
$\sigma \Delta$ Elevation	0.0488 m	$\sigma \Delta$ Height	0.0488 m	$\sigma \Delta$ Z	0.0210 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0001716810		
Y	0.0001737008	0.0020543956	
Z	0.0000693619	0.0008077283	0.0004397754

Occupations

	From	To
Point ID:	SURVEY OF INDIA (MHGR)	MMDB-09
Data file:	C:\Users\DELL\Documents\Trimble Business Center\Unnamed\MHGR354G.25o	C:\Users\DELL\Documents\Trimble Business Center\Unnamed\PZ0E3541.t04
Receiver type:	Alloy	Catalyst DA2
Receiver serial number:	6115R40040	6504100164
Antenna type:	GNSS-Ti Choke Ring v2 w/SCIS Dome	DA2
Antenna serial number:	-----	04100164
Antenna height (measured):	0.0000 m	1.9830 m
Antenna method:	Bottom of antenna mount	Bottom of antenna mount

SURVEY OF INDIA (MHGR) - MMDB-05 (07:09:59-07:25:06) (S4)

Baseline observation:	SURVEY OF INDIA (MHGR) --- MMDB-05 (B4)
Processed:	21-12-2025 04:09:08
Solution type:	Fixed
Frequency used:	Multiple Frequencies
Horizontal precision:	0.0173 m
Vertical precision:	0.0369 m
RMS:	0.0220 m
Maximum PDOP:	1.464
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	20-12-2025 07:09:59 (GPS Time)
Processing stop time:	20-12-2025 07:25:06 (GPS Time)
Processing duration:	00:15:07
Processing interval:	1 second
Processing mode:	Wide Lane Mode

Vector Components (Mark to Mark)

From:	SURVEY OF INDIA (MHGR)				
Grid		Local		Global	
Easting	265578.978 m	Latitude	N24°59'05.63006"	Latitude	N24°59'05.63006"
Northing	2765282.866 m	Longitude	E78°40'39.42790"	Longitude	E78°40'39.42790"
Elevation	313.321 m	Height	255.368 m	Height	255.368 m

To:	MMDB-05				
Grid		Local		Global	
Easting	282576.858 m	Latitude	N25°22'04.39397"	Latitude	N25°22'04.39397"
Northing	2807441.420 m	Longitude	E78°50'21.17983"	Longitude	E78°50'21.17983"
Elevation	231.088 m	Height	172.545 m	Height	172.545 m

Vector					
ΔEasting	16997.8798 m	NS Fwd Azimuth	20°58'14.1"	ΔX	-19511.0029 m
ΔNorthing	42158.5536 m	Ellipsoid Dist.	45445.7777 m	ΔY	-14600.2956 m
ΔElevation	-82.233 m	ΔHeight	-82.8232 m	ΔZ	38361.5438 m

Standard Errors

Vector errors:					
$\sigma \Delta$ Easting	0.0121 m	σ NS fwd Azimuth	0°00'00.1"	$\sigma \Delta$ X	0.0139 m
$\sigma \Delta$ Northing	0.0115 m	σ Ellipsoid Dist.	0.0113 m	$\sigma \Delta$ Y	0.0315 m
$\sigma \Delta$ Elevation	0.0369 m	$\sigma \Delta$ Height	0.0369 m	$\sigma \Delta$ Z	0.0214 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0001932346		
Y	0.0002012704	0.0009915612	
Z	0.0001337544	0.0005442186	0.0004566202

Occupations

	From	To
Point ID:	SURVEY OF INDIA (MHGR)	MMDB-05
Data file:	C:\Users\DELL\Documents\Trimble Business Center\Unnamed\MHGR354G.25o	C:\Users\DELL\Documents\Trimble Business Center\Unnamed\PZ0E3541.t04
Receiver type:	Alloy	Catalyst DA2
Receiver serial number:	6115R40040	6504100164
Antenna type:	GNSS-Ti Choke Ring v2 w/SCIS Dome	DA2
Antenna serial number:	-----	04100164
Antenna height (measured):	0.0000 m	1.9830 m
Antenna method:	Bottom of antenna mount	Bottom of antenna mount

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

SURVEY OF INDIA (MHGR) - MMDB-06 (06:47:05-07:02:14) (S5)

Baseline observation:	SURVEY OF INDIA (MHGR) --- MMDB-06 (B5)
Processed:	21-12-2025 04:09:08
Solution type:	Fixed
Frequency used:	Multiple Frequencies
Horizontal precision:	0.0182 m
Vertical precision:	0.0331 m
RMS:	0.0223 m
Maximum PDOP:	1.322
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	20-12-2025 06:47:05 (GPS Time)
Processing stop time:	20-12-2025 07:02:14 (GPS Time)
Processing duration:	00:15:09
Processing interval:	1 second
Processing mode:	Wide Lane Mode

Vector Components (Mark to Mark)

From:		SURVEY OF INDIA (MHGR)			
Grid		Local		Global	
Easting	265578.978 m	Latitude	N24°59'05.63006"	Latitude	N24°59'05.63006"
Northing	2765282.866 m	Longitude	E78°40'39.42790"	Longitude	E78°40'39.42790"
Elevation	313.321 m	Height	255.368 m	Height	255.368 m

To:		MMDB-06			
Grid		Local		Global	
Easting	282462.389 m	Latitude	N25°21'59.03077"	Latitude	N25°21'59.03077"
Northing	2807278.184 m	Longitude	E78°50'17.18115"	Longitude	E78°50'17.18115"
Elevation	232.011 m	Height	173.471 m	Height	173.471 m

Vector					
ΔEasting	16883.4111 m	NS Fwd Azimuth	20°54'48.5"	ΔX	-19387.4716 m
ΔNorthing	41995.3173 m	Ellipsoid Dist.	45251.6324 m	ΔY	-14551.7467 m
ΔElevation	-81.310 m	ΔHeight	-81.8967 m	ΔZ	38212.8140 m

Standard Errors

Vector errors:					
σ ΔEasting	0.0125 m	σ NS fwd Azimuth	0°00'00.1"	σ ΔX	0.0139 m
σ ΔNorthing	0.0119 m	σ Ellipsoid Dist.	0.0124 m	σ ΔY	0.0289 m
σ ΔElevation	0.0331 m	σ ΔHeight	0.0331 m	σ ΔZ	0.0191 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0001926274		
Y	0.0001564321	0.0008325553	
Z	0.0000749040	0.0004031221	0.0003653182

Occupations

	From	To
Point ID:	SURVEY OF INDIA (MHGR)	MMDB-06
Data file:	C:\Users\DELL\Documents\Trimble Business Center\Unnamed\MHGR354G.25o	C:\Users\DELL\Documents\Trimble Business Center\Unnamed\PZ0E3541.t04
Receiver type:	Alloy	Catalyst DA2
Receiver serial number:	6115R40040	6504100164
Antenna type:	GNSS-Ti Choke Ring v2 w/SCIS Dome	DA2
Antenna serial number:	-----	04100164
Antenna height (measured):	0.0000 m	1.9830 m
Antenna method:	Bottom of antenna mount	Bottom of antenna mount

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)
SURVEY OF INDIA (LALI) --- C-BLB (B2)	SURVEY OF INDIA (LALI)	C-BLB	Fixed	0.0216	0.0487	30°18'11.4"	84007.671 7	-120.9955
SURVEY OF INDIA (LALI) --- D-BLB (B3)	SURVEY OF INDIA (LALI)	D-BLB	Fixed	0.0143	0.0499	29°51'57.6"	84129.960 4	-129.1104

Acceptance Summary

Processed	Passed	Flag		Fail	
2	2	0		0	

SURVEY OF INDIA (LALI) - C-BLB (08:25:21-09:11:23) (S2)

Baseline observation:	SURVEY OF INDIA (LALI) --- C-BLB (B2)
Processed:	27-10-2025 06:58:43
Solution type:	Fixed
Frequency used:	Multiple Frequencies
Horizontal precision:	0.0216 m
Vertical precision:	0.0487 m
RMS:	0.0198 m
Maximum PDOP:	2.108
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	25-10-2025 08:25:30 (GPS Time)
Processing stop time:	25-10-2025 09:11:20 (GPS Time)
Processing duration:	00:45:50
Processing interval:	10 seconds
Processing mode:	Wide Lane Mode

Vector Components (Mark to Mark)

From:		SURVEY OF INDIA (LALI)			
Grid		Local		Global	
Easting	237685.917 m	Latitude	N24°42'02.36376"	Latitude	N24°42'02.36376"
Northing	2734283.753 m	Longitude	E78°24'26.40449"	Longitude	E78°24'26.40449"
Elevation	357.883 m	Height	300.724 m	Height	300.724 m

To:		C-BLB			
Grid		Local		Global	
Easting	281468.276 m	Latitude	N25°21'17.35289"	Latitude	N25°21'17.35289"
Northing	2806011.384 m	Longitude	E78°49'42.37071"	Longitude	E78°49'42.37071"
Elevation	238.238 m	Height	179.729 m	Height	179.729 m

Vector					
ΔEasting	43782.3585 m	NS Fwd Azimuth	30°18'11.4"	ΔX	-47737.5009 m
ΔNorthing	71727.6316 m	Ellipsoid Dist.	84007.6717 m	ΔY	-21773.9431 m
ΔElevation	-119.645 m	ΔHeight	-120.9955 m	ΔZ	65610.6752 m

Standard Errors

Vector errors:					
$\sigma \Delta$ Easting	0.0091 m	σ NS fwd Azimuth	0°00'00.0"	$\sigma \Delta$ X	0.0155 m
$\sigma \Delta$ Northing	0.0125 m	σ Ellipsoid Dist.	0.0153 m	$\sigma \Delta$ Y	0.0444 m
$\sigma \Delta$ Elevation	0.0487 m	$\sigma \Delta$ Height	0.0487 m	$\sigma \Delta$ Z	0.0200 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0002390913		
Y	0.0005731508	0.0019738369	
Z	0.0001108342	0.0007095116	0.0003982583

Occupations

	From	To
Point ID:	SURVEY OF INDIA (LALI)	C-BLB
Data file:	C:\Users\LENOVO\Dropbox\PC\Documents\Trimble Business Center\Unnamed (22)\LALI298E.25o	C:\Users\LENOVO\Dropbox\PC\Documents\Trimble Business Center\Unnamed (22)\PZ0E2981.t04
Receiver type:	Alloy	Catalyst DA2
Receiver serial number:	6017R40031	6504100164
Antenna type:	GNSS-Ti Choke Ring v2 w/SCIS Dome	DA2
Antenna serial number:	-----	04100164
Antenna height (measured):	0.0000 m	1.9820 m
Antenna method:	Bottom of antenna mount	Bottom of antenna mount

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

SURVEY OF INDIA (LALI) - D-BLB (06:34:37-07:23:06) (S3)

Baseline observation:	SURVEY OF INDIA (LALI) --- D-BLB (B3)
Processed:	27-10-2025 06:58:43
Solution type:	Fixed
Frequency used:	Multiple Frequencies
Horizontal precision:	0.0143 m
Vertical precision:	0.0499 m
RMS:	0.0171 m
Maximum PDOP:	1.917
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	25-10-2025 06:34:40 (GPS Time)
Processing stop time:	25-10-2025 07:23:00 (GPS Time)
Processing duration:	00:48:20
Processing interval:	10 seconds
Processing mode:	Wide Lane Mode

Vector Components (Mark to Mark)

From:		SURVEY OF INDIA (LALI)			
Grid		Local		Global	
Easting	237685.917 m	Latitude	N24°42'02.36376"	Latitude	N24°42'02.36376"
Northing	2734283.753 m	Longitude	E78°24'26.40449"	Longitude	E78°24'26.40449"
Elevation	357.883 m	Height	300.724 m	Height	300.724 m

To:		D-BLB			
Grid		Local		Global	
Easting	280982.823 m	Latitude	N25°21'31.29011"	Latitude	N25°21'31.29011"
Northing	2806448.287 m	Longitude	E78°49'24.76010"	Longitude	E78°49'24.76010"
Elevation	230.115 m	Height	171.614 m	Height	171.614 m

Vector					
Δ Easting	43296.9063 m	NS Fwd Azimuth	29°51'57.6"	ΔX	-47291.4405 m
Δ Northing	72164.5348 m	Ellipsoid Dist.	84129.9604 m	ΔY	-22056.7501 m
Δ Elevation	-127.768 m	Δ Height	-129.1104 m	ΔZ	65994.7650 m

Standard Errors

Vector errors:					
$\sigma \Delta$ Easting	0.0041 m	σ NS fwd Azimuth	0°00'00.0"	$\sigma \Delta X$	0.0109 m
$\sigma \Delta$ Northing	0.0100 m	σ Ellipsoid Dist.	0.0095 m	$\sigma \Delta Y$	0.0447 m
$\sigma \Delta$ Elevation	0.0499 m	$\sigma \Delta$ Height	0.0499 m	$\sigma \Delta Z$	0.0222 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0001185389		
Y	0.0004514863	0.0019956743	
Z	0.0001827163	0.0008649040	0.0004913179

Occupations

	From	To
Point ID:	SURVEY OF INDIA (LALI)	D-BLB
Data file:	C:\Users\LENOVO\Dropbox\PC\Documents \Trimble Business Center\Unnamed (22)\LALI298E.25o	C:\Users\LENOVO\Dropbox\PC\Documents \Trimble Business Center\Unnamed (22)\PZ0E2980.t04
Receiver type:	Alloy	Catalyst DA2
Receiver serial number:	6017R40031	6504100164
Antenna type:	GNSS-Ti Choke Ring v2 w/SCIS Dome	DA2
Antenna serial number:	-----	04100164
Antenna height (measured):	0.0000 m	1.9820 m
Antenna method:	Bottom of antenna mount	Bottom of antenna mount

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)
SURVEY OF INDIA (JHAN) --- B-BLB (B1)	SURVEY OF INDIA (JHAN)	B-BLB	Fixed	0.0104	0.0495	108°22'16. 2"	26953.171 0	-19.6931

Acceptance Summary

Processed	Passed	Flag		Fail	
1	1	0		0	

SURVEY OF INDIA (JHAN) - B-BLB (05:53:16-06:39:50) (S1)

Baseline observation:	SURVEY OF INDIA (JHAN) --- B-BLB (B1)
Processed:	27-10-2025 09:59:47
Solution type:	Fixed
Frequency used:	Multiple Frequencies
Horizontal precision:	0.0104 m
Vertical precision:	0.0495 m
RMS:	0.0248 m
Maximum PDOP:	1.430
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	26-10-2025 05:53:20 (GPS Time)
Processing stop time:	26-10-2025 06:39:50 (GPS Time)
Processing duration:	00:46:30
Processing interval:	10 seconds
Processing mode:	Wide Lane Mode

Vector Components (Mark to Mark)

From:	SURVEY OF INDIA (JHAN)				
Grid		Local		Global	
Easting	257886.371 m	Latitude	N25°26'53.72470"	Latitude	N25°26'53.72470"
Northing	2816770.822 m	Longitude	E78°35'32.38886"	Longitude	E78°35'32.38886"
Elevation	245.083 m	Height	187.102 m	Height	187.102 m

To:	B-BLB				
Grid		Local		Global	
Easting	283314.840 m	Latitude	N25°22'16.87448"	Latitude	N25°22'16.87448"
Northing	2807813.677 m	Longitude	E78°50'47.35360"	Longitude	E78°50'47.35360"
Elevation	225.970 m	Height	167.409 m	Height	167.409 m

Vector					
ΔEasting	25428.4695 m	NS Fwd Azimuth	108°22'16.2"	ΔX	-24366.4515 m
ΔNorthing	-8957.1446 m	Ellipsoid Dist.	26953.1710 m	ΔY	8569.7931 m
ΔElevation	-19.113 m	ΔHeight	-19.6931 m	ΔZ	-7703.7522 m

Standard Errors

Vector errors:					
$\sigma \Delta$ Easting	0.0055 m	σ NS fwd Azimuth	0°00'00.1"	$\sigma \Delta$ X	0.0119 m
$\sigma \Delta$ Northing	0.0072 m	σ Ellipsoid Dist.	0.0060 m	$\sigma \Delta$ Y	0.0424 m
$\sigma \Delta$ Elevation	0.0495 m	$\sigma \Delta$ Height	0.0495 m	$\sigma \Delta$ Z	0.0245 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0001419989		
Y	0.0004558798	0.0017943210	
Z	0.0002543377	0.0009843005	0.0005985803

Occupations

	From	To
Point ID:	SURVEY OF INDIA (JHAN)	B-BLB
Data file:	C:\Users\LENOVO\Dropbox\PC\Documents\Trimble Business Center\Unnamed (22)\JHAN299F.25o	C:\Users\LENOVO\Dropbox\PC\Documents\Trimble Business Center\Unnamed (22)\PZ0E2990.t04
Receiver type:	Alloy	Catalyst DA2
Receiver serial number:	5948R40092	6504100164
Antenna type:	GNSS-Ti Choke Ring v2 w/SCIS Dome	DA2
Antenna serial number:	-----	04100164
Antenna height (measured):	0.0000 m	1.9820 m
Antenna method:	Bottom of antenna mount	Bottom of antenna mount

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)
SURVEY OF INDIA (JHAN) --- MMDB- 02 (B1)	SURVEY OF INDIA (JHAN)	MMDB-02	Fixed	0.0221	0.0470	112°21'22. 8"	25860.656 7	-3.7778
SURVEY OF INDIA (JHAN) --- MMDB- 01 (B2)	SURVEY OF INDIA (JHAN)	MMDB-01	Fixed	0.0304	0.0455	112°45'57. 9"	25752.537 9	-6.1301
SURVEY OF INDIA (JHAN) --- A-1 BLB (B3)	SURVEY OF INDIA (JHAN)	A-1 BLB	Fixed	0.0144	0.0488	107°49'18. 4"	26211.264 1	-18.1519

Acceptance Summary

Processed	Passed	Flag		Fail	
3	3	0		0	

SURVEY OF INDIA (JHAN) - MMDB-02 (10:49:43-11:04:52) (S1)

Baseline observation:	SURVEY OF INDIA (JHAN) --- MMDB-02 (B1)
Processed:	01-11-2025 05:58:17
Solution type:	Fixed
Frequency used:	Multiple Frequencies
Horizontal precision:	0.0221 m
Vertical precision:	0.0470 m
RMS:	0.0274 m
Maximum PDOP:	1.640
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	31-10-2025 10:49:43 (GPS Time)
Processing stop time:	31-10-2025 11:04:52 (GPS Time)
Processing duration:	00:15:09
Processing interval:	1 second
Processing mode:	Wide Lane Mode

Vector Components (Mark to Mark)

From:	SURVEY OF INDIA (JHAN)				
	Grid		Local		Global
Easting	257886.371 m	Latitude	N25°26'53.72470"	Latitude	N25°26'53.72470"
Northing	2816770.822 m	Longitude	E78°35'32.38886"	Longitude	E78°35'32.38886"
Elevation	245.083 m	Height	187.102 m	Height	187.102 m

To:	MMDB-02				
	Grid		Local		Global
Easting	281628.012 m	Latitude	N25°21'33.37448"	Latitude	N25°21'33.37448"
Northing	2806501.961 m	Longitude	E78°49'47.79714"	Longitude	E78°49'47.79714"
Elevation	241.840 m	Height	183.324 m	Height	183.324 m

Vector					
ΔEasting	23741.6409 m	NS Fwd Azimuth	112°21'22.8"	ΔX	-22619.0194 m
ΔNorthing	-10268.8606 m	Ellipsoid Dist.	25860.6567 m	ΔY	8824.1618 m
ΔElevation	-3.243 m	ΔHeight	-3.7778 m	ΔZ	-8906.4943 m

Standard Errors

Vector errors:					
$\sigma \Delta$ Easting	0.0150 m	σ NS fwd Azimuth	0°00'00.1"	$\sigma \Delta$ X	0.0176 m
$\sigma \Delta$ Northing	0.0129 m	σ Ellipsoid Dist.	0.0156 m	$\sigma \Delta$ Y	0.0419 m
$\sigma \Delta$ Elevation	0.0470 m	$\sigma \Delta$ Height	0.0470 m	$\sigma \Delta$ Z	0.0232 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0003086661		
Y	0.0003599351	0.0017549763	
Z	0.0002222313	0.0007621418	0.0005398279

Occupations

	From	To
Point ID:	SURVEY OF INDIA (JHAN)	MMDB-02
Data file:	C:\Users\LENOVO\Dropbox\PC\Documents\Trimble Business Center\Unnamed (22)\JHAN3041.25o	C:\Users\LENOVO\Dropbox\PC\Documents\Trimble Business Center\Unnamed (22)\PZ0E3041.t04
Receiver type:	Alloy	Catalyst DA2
Receiver serial number:	5948R40092	6504100164
Antenna type:	GNSS-Ti Choke Ring v2 w/SCIS Dome	DA2
Antenna serial number:	-----	04100164
Antenna height (measured):	0.0000 m	1.9820 m
Antenna method:	Bottom of antenna mount	Bottom of antenna mount

SURVEY OF INDIA (JHAN) - MMDB-01 (10:26:30-10:42:03) (S2)

Baseline observation:	SURVEY OF INDIA (JHAN) --- MMDB-01 (B2)
Processed:	01-11-2025 05:58:21
Solution type:	Fixed
Frequency used:	Multiple Frequencies
Horizontal precision:	0.0304 m
Vertical precision:	0.0455 m
RMS:	0.0153 m
Maximum PDOP:	1.438
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	31-10-2025 10:26:30 (GPS Time)
Processing stop time:	31-10-2025 10:42:03 (GPS Time)
Processing duration:	00:15:33
Processing interval:	1 second
Processing mode:	Wide Lane Mode

Vector Components (Mark to Mark)

From:	SURVEY OF INDIA (JHAN)				
	Grid		Local		Global
Easting	257886.371 m	Latitude	N25°26'53.72470"	Latitude	N25°26'53.72470"
Northing	2816770.822 m	Longitude	E78°35'32.38886"	Longitude	E78°35'32.38886"
Elevation	245.083 m	Height	187.102 m	Height	187.102 m

To:	MMDB-01				
	Grid		Local		Global
Easting	281455.032 m	Latitude	N25°21'29.19375"	Latitude	N25°21'29.19375"
Northing	2806376.080 m	Longitude	E78°49'41.68546"	Longitude	E78°49'41.68546"
Elevation	239.484 m	Height	180.972 m	Height	180.972 m

Vector					
ΔEasting	23568.6613 m	NS Fwd Azimuth	112°45'57.9"	ΔX	-22441.1081 m
ΔNorthing	-10394.7417 m	Ellipsoid Dist.	25752.5379 m	ΔY	8843.0252 m
ΔElevation	-5.600 m	ΔHeight	-6.1301 m	ΔZ	-9023.7573 m

Standard Errors

Vector errors:					
$\sigma \Delta$ Easting	0.0182 m	σ NS fwd Azimuth	0°00'00.1"	$\sigma \Delta$ X	0.0249 m
$\sigma \Delta$ Northing	0.0139 m	σ Ellipsoid Dist.	0.0212 m	$\sigma \Delta$ Y	0.0318 m
$\sigma \Delta$ Elevation	0.0455 m	$\sigma \Delta$ Height	0.0455 m	$\sigma \Delta$ Z	0.0311 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0006195685		
Y	0.0007804206	0.0010125372	
Z	0.0007161826	0.0009540587	0.0009682513

Occupations

	From	To
Point ID:	SURVEY OF INDIA (JHAN)	MMDB-01
Data file:	C:\Users\LENOVO\Dropbox\PC\Documents\Trimble Business Center\Unnamed (22)\JHAN3041.25o	C:\Users\LENOVO\Dropbox\PC\Documents\Trimble Business Center\Unnamed (22)\PZ0E3041.t04
Receiver type:	Alloy	Catalyst DA2
Receiver serial number:	5948R40092	6504100164
Antenna type:	GNSS-Ti Choke Ring v2 w/SCIS Dome	DA2
Antenna serial number:	-----	04100164
Antenna height (measured):	0.0000 m	1.9820 m
Antenna method:	Bottom of antenna mount	Bottom of antenna mount

SURVEY OF INDIA (JHAN) - A-1 BLB (08:31:16-09:17:19) (S3)

Baseline observation:	SURVEY OF INDIA (JHAN) --- A-1 BLB (B3)
Processed:	01-11-2025 05:58:15
Solution type:	Fixed
Frequency used:	Multiple Frequencies
Horizontal precision:	0.0144 m
Vertical precision:	0.0488 m
RMS:	0.0357 m
Maximum PDOP:	1.787
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	31-10-2025 08:31:20 (GPS Time)
Processing stop time:	31-10-2025 09:17:10 (GPS Time)
Processing duration:	00:45:50
Processing interval:	10 seconds
Processing mode:	Wide Lane Mode

Vector Components (Mark to Mark)

From:	SURVEY OF INDIA (JHAN)				
Grid		Local		Global	
Easting	257886.371 m	Latitude	N25°26'53.72470"	Latitude	N25°26'53.72470"
Northing	2816770.822 m	Longitude	E78°35'32.38886"	Longitude	E78°35'32.38886"
Elevation	245.083 m	Height	187.102 m	Height	187.102 m

To:	A-1 BLB				
Grid		Local		Global	
Easting	282697.317 m	Latitude	N25°22'32.27487"	Latitude	N25°22'32.27487"
Northing	2808297.688 m	Longitude	E78°50'24.99232"	Longitude	E78°50'24.99232"
Elevation	227.501 m	Height	168.950 m	Height	168.950 m

Vector					
ΔEasting	24810.9458 m	NS Fwd Azimuth	107°49'18.4"	ΔX	-23792.1345 m
ΔNorthing	-8473.1341 m	Ellipsoid Dist.	26211.2641 m	ΔY	8250.9561 m
ΔElevation	-17.582 m	ΔHeight	-18.1519 m	ΔZ	-7274.8979 m

Standard Errors

Vector errors:					
$\sigma \Delta$ Easting	0.0078 m	σ NS fwd Azimuth	0°00'00.1"	$\sigma \Delta$ X	0.0098 m
$\sigma \Delta$ Northing	0.0096 m	σ Ellipsoid Dist.	0.0071 m	$\sigma \Delta$ Y	0.0427 m
$\sigma \Delta$ Elevation	0.0488 m	$\sigma \Delta$ Height	0.0488 m	$\sigma \Delta$ Z	0.0248 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0000964144		
Y	0.0002664525	0.0018219457	
Z	0.0001259395	0.0009646840	0.0006160716

Occupations

	From	To
Point ID:	SURVEY OF INDIA (JHAN)	A-1 BLB
Data file:	C:\Users\LENOVO\Dropbox\PC\Documents\Trimble Business Center\Unnamed (22)\JHAN3041.25o	C:\Users\LENOVO\Dropbox\PC\Documents\Trimble Business Center\Unnamed (22)\PZ0E3040.t04
Receiver type:	Alloy	Catalyst DA2
Receiver serial number:	5948R40092	6504100164
Antenna type:	GNSS-Ti Choke Ring v2 w/SCIS Dome	DA2
Antenna serial number:	-----	04100164
Antenna height (measured):	0.0000 m	1.9820 m
Antenna method:	Bottom of antenna mount	Bottom of antenna mount

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)
SURVEY OF INDIA (JHAN) --- A-BLB (B1)	SURVEY OF INDIA (JHAN)	A-BLB	Fixed	0.0219	0.0471	101°58'31. 2"	24844.927 7	-27.2792

Acceptance Summary

Processed	Passed	Flag		Fail	
1	1	0		0	

SURVEY OF INDIA (JHAN) - A-BLB (09:07:41-09:58:15) (S1)

Baseline observation:	SURVEY OF INDIA (JHAN) --- A-BLB (B1)
Processed:	03-11-2025 08:00:24
Solution type:	Fixed
Frequency used:	Multiple Frequencies
Horizontal precision:	0.0219 m
Vertical precision:	0.0471 m
RMS:	0.0247 m
Maximum PDOP:	1.784
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	01-11-2025 09:07:50 (GPS Time)
Processing stop time:	01-11-2025 09:58:10 (GPS Time)
Processing duration:	00:50:20
Processing interval:	10 seconds
Processing mode:	Wide Lane Mode

Vector Components (Mark to Mark)

From:		SURVEY OF INDIA (JHAN)			
Grid		Local		Global	
Easting	257886.371 m	Latitude	N25°26'53.72470"	Latitude	N25°26'53.72470"
Northing	2816770.822 m	Longitude	E78°35'32.38886"	Longitude	E78°35'32.38886"
Elevation	245.083 m	Height	187.102 m	Height	187.102 m

To:		A-BLB			
Grid		Local		Global	
Easting	282099.748 m	Latitude	N25°24'05.48470"	Latitude	N25°24'05.48470"
Northing	2811176.510 m	Longitude	E78°50'01.95413"	Longitude	E78°50'01.95413"
Elevation	218.378 m	Height	159.823 m	Height	159.823 m

Vector					
ΔEasting	24213.3771 m	NS Fwd Azimuth	101°58'31.2"	ΔX	-23400.0047 m
ΔNorthing	-5594.3116 m	Ellipsoid Dist.	24844.9277 m	ΔY	6911.6512 m
ΔElevation	-26.705 m	ΔHeight	-27.2792 m	ΔZ	-4687.5167 m

Standard Errors

Vector errors:					
$\sigma \Delta$ Easting	0.0140 m	σ NS fwd Azimuth	0°00'00.1"	$\sigma \Delta$ X	0.0181 m
$\sigma \Delta$ Northing	0.0109 m	σ Ellipsoid Dist.	0.0126 m	$\sigma \Delta$ Y	0.0423 m
$\sigma \Delta$ Elevation	0.0471 m	$\sigma \Delta$ Height	0.0471 m	$\sigma \Delta$ Z	0.0203 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0003274758		
Y	0.0004864390	0.0017895565	
Z	0.0001423860	0.0007238816	0.0004126728

Occupations

	From	To
Point ID:	SURVEY OF INDIA (JHAN)	A-BLB
Data file:	C:\Users\LENOVO\Dropbox\PC\Documents\Trimble Business Center\Unnamed (22)\JHAN305J.25o	C:\Users\LENOVO\Dropbox\PC\Documents\Trimble Business Center\Unnamed (22)\PZ0E3050.t04
Receiver type:	Alloy	Catalyst DA2
Receiver serial number:	5948R40092	6504100164
Antenna type:	GNSS-Ti Choke Ring v2 w/SCIS Dome	DA2
Antenna serial number:	-----	04100164
Antenna height (measured):	0.0000 m	1.9820 m
Antenna method:	Bottom of antenna mount	Bottom of antenna mount

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)
SURVEY OF INDIA (JHAN) --- B-BLB (B1)	SURVEY OF INDIA (JHAN)	B-BLB	Fixed	0.0147	0.0488	102°32'46. 7"	25864.191 0	-26.7363

Acceptance Summary

Processed	Passed	Flag		Fail	
1	1	0		0	

SURVEY OF INDIA (JHAN) - B-BLB (09:14:40-09:59:59) (S1)

Baseline observation:	SURVEY OF INDIA (JHAN) --- B-BLB (B1)
Processed:	03-11-2025 09:03:56
Solution type:	Fixed
Frequency used:	Multiple Frequencies
Horizontal precision:	0.0147 m
Vertical precision:	0.0488 m
RMS:	0.0255 m
Maximum PDOP:	1.595
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	02-11-2025 09:14:40 (GPS Time)
Processing stop time:	02-11-2025 09:59:50 (GPS Time)
Processing duration:	00:45:10
Processing interval:	10 seconds
Processing mode:	Wide Lane Mode

Vector Components (Mark to Mark)

From:		SURVEY OF INDIA (JHAN)			
Grid		Local		Global	
Easting	257886.371 m	Latitude	N25°26'53.72470"	Latitude	N25°26'53.72470"
Northing	2816770.822 m	Longitude	E78°35'32.38886"	Longitude	E78°35'32.38886"
Elevation	245.083 m	Height	187.102 m	Height	187.102 m

To:		B-BLB			
Grid		Local		Global	
Easting	283033.757 m	Latitude	N25°23'50.37042"	Latitude	N25°23'50.37042"
Northing	2810696.148 m	Longitude	E78°50'35.63845"	Longitude	E78°50'35.63845"
Elevation	218.939 m	Height	160.366 m	Height	160.366 m

Vector					
ΔEasting	25147.3858 m	NS Fwd Azimuth	102°32'46.7"	ΔX	-24284.9966 m
ΔNorthing	-6074.6735 m	Ellipsoid Dist.	25864.1910 m	ΔY	7290.1079 m
ΔElevation	-26.144 m	ΔHeight	-26.7363 m	ΔZ	-5107.4332 m

Standard Errors

Vector errors:					
$\sigma \Delta$ Easting	0.0087 m	σ NS fwd Azimuth	0°00'00.1"	$\sigma \Delta$ X	0.0088 m
$\sigma \Delta$ Northing	0.0088 m	σ Ellipsoid Dist.	0.0078 m	$\sigma \Delta$ Y	0.0426 m
$\sigma \Delta$ Elevation	0.0488 m	$\sigma \Delta$ Height	0.0488 m	$\sigma \Delta$ Z	0.0254 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0000770821		
Y	0.0001784153	0.0018112290	
Z	0.0000851575	0.0010130653	0.0006461662

Occupations

	From	To
Point ID:	SURVEY OF INDIA (JHAN)	B-BLB
Data file:	C:\Users\LENOVO\Dropbox\PC\Documents\Trimble Business Center\Unnamed (22)\JHAN306J.25o	C:\Users\LENOVO\Dropbox\PC\Documents\Trimble Business Center\Unnamed (22)\PZ0E3060.t04
Receiver type:	Alloy	Catalyst DA2
Receiver serial number:	5948R40092	6504100164
Antenna type:	GNSS-Ti Choke Ring v2 w/SCIS Dome	DA2
Antenna serial number:	-----	04100164
Antenna height (measured):	0.0000 m	1.9820 m
Antenna method:	Bottom of antenna mount	Bottom of antenna mount

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)
SURVEY OF INDIA (JHAN) --- C-BLB (B1)	SURVEY OF INDIA (JHAN)	C-BLB	Fixed	0.0115	0.0273	107°34'34. 4"	25093.502 8	-21.5897
SURVEY OF INDIA (JHAN) --- D-BLB (B2)	SURVEY OF INDIA (JHAN)	D-BLB	Fixed	0.0119	0.0492	106°57'30. 6"	24147.104 4	-26.8302

Acceptance Summary

Processed	Passed	Flag		Fail	
2	2	0		0	

SURVEY OF INDIA (JHAN) - C-BLB (09:03:23-09:49:32) (S1)

Baseline observation:	SURVEY OF INDIA (JHAN) --- C-BLB (B1)
Processed:	30-10-2025 06:46:38
Solution type:	Fixed
Frequency used:	Multiple Frequencies
Horizontal precision:	0.0115 m
Vertical precision:	0.0273 m
RMS:	0.0185 m
Maximum PDOP:	1.718
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	29-10-2025 09:03:30 (GPS Time)
Processing stop time:	29-10-2025 09:49:30 (GPS Time)
Processing duration:	00:46:00
Processing interval:	10 seconds
Processing mode:	Wide Lane Mode

Vector Components (Mark to Mark)

From:	SURVEY OF INDIA (JHAN)				
Grid		Local		Global	
Easting	257886.371 m	Latitude	N25°26'53.72470"	Latitude	N25°26'53.72470"
Northing	2816770.822 m	Longitude	E78°35'32.38886"	Longitude	E78°35'32.38886"
Elevation	245.083 m	Height	187.102 m	Height	187.102 m

To:	C-BLB				
Grid		Local		Global	
Easting	281673.873 m	Latitude	N25°22'46.78233"	Latitude	N25°22'46.78233"
Northing	2808760.831 m	Longitude	E78°49'48.12570"	Longitude	E78°49'48.12570"
Elevation	224.043 m	Height	165.512 m	Height	165.512 m

Vector					
ΔEasting	23787.5022 m	NS Fwd Azimuth	107°34'34.4"	ΔX	-22818.6428 m
ΔNorthing	-8009.9906 m	Ellipsoid Dist.	25093.5028 m	ΔY	7860.6299 m
ΔElevation	-21.040 m	ΔHeight	-21.5897 m	ΔZ	-6873.0183 m

Standard Errors

Vector errors:					
$\sigma \Delta$ Easting	0.0058 m	σ NS fwd Azimuth	0°00'00.1"	$\sigma \Delta$ X	0.0063 m
$\sigma \Delta$ Northing	0.0070 m	σ Ellipsoid Dist.	0.0046 m	$\sigma \Delta$ Y	0.0237 m
$\sigma \Delta$ Elevation	0.0273 m	$\sigma \Delta$ Height	0.0273 m	$\sigma \Delta$ Z	0.0150 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0000392796		
Y	0.0000665242	0.0005618887	
Z	0.0000169869	0.0003107133	0.0002242108

Occupations

	From	To
Point ID:	SURVEY OF INDIA (JHAN)	C-BLB
Data file:	C:\Users\LENOVO\Dropbox\PC\Documents\Trimble Business Center\Unnamed (22)\JHAN302G.25o	C:\Users\LENOVO\Dropbox\PC\Documents\Trimble Business Center\Unnamed (22)\PZ0E3021.t04
Receiver type:	Alloy	Catalyst DA2
Receiver serial number:	5948R40092	6504100164
Antenna type:	GNSS-Ti Choke Ring v2 w/SCIS Dome	DA2
Antenna serial number:	-----	04100164
Antenna height (measured):	0.0000 m	1.9820 m
Antenna method:	Bottom of antenna mount	Bottom of antenna mount

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

SURVEY OF INDIA (JHAN) - D-BLB (07:08:15-07:55:17) (S2)

Baseline observation:	SURVEY OF INDIA (JHAN) --- D-BLB (B2)
Processed:	30-10-2025 06:46:38
Solution type:	Fixed
Frequency used:	Multiple Frequencies
Horizontal precision:	0.0119 m
Vertical precision:	0.0492 m
RMS:	0.0339 m
Maximum PDOP:	2.021
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	29-10-2025 07:08:20 (GPS Time)
Processing stop time:	29-10-2025 07:55:10 (GPS Time)
Processing duration:	00:46:50
Processing interval:	10 seconds
Processing mode:	Wide Lane Mode

Vector Components (Mark to Mark)

From:		SURVEY OF INDIA (JHAN)			
Grid		Local		Global	
Easting	257886.371 m	Latitude	N25°26'53.72470"	Latitude	N25°26'53.72470"
Northing	2816770.822 m	Longitude	E78°35'32.38886"	Longitude	E78°35'32.38886"
Elevation	245.083 m	Height	187.102 m	Height	187.102 m

To:		D-BLB			
Grid		Local		Global	
Easting	280858.542 m	Latitude	N25°23'04.19562"	Latitude	N25°23'04.19562"
Northing	2809310.111 m	Longitude	E78°49'18.64896"	Longitude	E78°49'18.64896"
Elevation	218.788 m	Height	160.272 m	Height	160.272 m

Vector					
Δ Easting	22972.1713 m	NS Fwd Azimuth	106°57'30.6"	ΔX	-22055.6700 m
Δ Northing	-7460.7108 m	Ellipsoid Dist.	24147.1044 m	ΔY	7470.9570 m
Δ Elevation	-26.295 m	Δ Height	-26.8302 m	ΔZ	-6391.1383 m

Standard Errors

Vector errors:					
$\sigma \Delta$ Easting	0.0077 m	σ NS fwd Azimuth	0°00'00.1"	$\sigma \Delta X$	0.0090 m
$\sigma \Delta$ Northing	0.0073 m	σ Ellipsoid Dist.	0.0082 m	$\sigma \Delta Y$	0.0436 m
$\sigma \Delta$ Elevation	0.0492 m	$\sigma \Delta$ Height	0.0492 m	$\sigma \Delta Z$	0.0235 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0000803995		
Y	0.0002380483	0.0019003098	
Z	0.0001440730	0.0009572151	0.0005503229

Occupations

	From	To
Point ID:	SURVEY OF INDIA (JHAN)	D-BLB
Data file:	C:\Users\LENOVO\Dropbox\PC\Documents \Trimble Business Center\Unnamed (22)\JHAN302G.25o	C:\Users\LENOVO\Dropbox\PC\Documents \Trimble Business Center\Unnamed (22)\PZ0E3020.t04
Receiver type:	Alloy	Catalyst DA2
Receiver serial number:	5948R40092	6504100164
Antenna type:	GNSS-Ti Choke Ring v2 w/SCIS Dome	DA2
Antenna serial number:	-----	04100164
Antenna height (measured):	0.0000 m	1.9820 m
Antenna method:	Bottom of antenna mount	Bottom of antenna mount

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)
SURVEY OF INDIA (JHAN) --- MMDB-07 (B1)	SURVEY OF INDIA (JHAN)	MMDB-07	Fixed	0.0210	0.0259	105°27'44.4"	24949.7665	-13.0990
SURVEY OF INDIA (JHAN) --- MMDB-08 (B2)	SURVEY OF INDIA (JHAN)	MMDB-08	Fixed	0.0197	0.0218	105°01'03.4"	24986.4826	-9.4489
SURVEY OF INDIA (JHAN) --- MMDB-10 (B3)	SURVEY OF INDIA (JHAN)	MMDB-10	Fixed	0.0392	0.0380	104°29'39.1"	25083.8209	-8.1870
SURVEY OF INDIA (JHAN) --- MMDB-11 (B4)	SURVEY OF INDIA (JHAN)	MMDB-11	Fixed	0.0160	0.0243	103°43'28.3"	25125.9035	-12.9028

Acceptance Summary

Processed	Passed	Flag	Fail
4	4	0	0

SURVEY OF INDIA (JHAN) - MMDB-07 (06:10:56-06:26:03) (S1)

Baseline observation:	SURVEY OF INDIA (JHAN) --- MMDB-07 (B1)
Processed:	21-12-2025 03:51:40
Solution type:	Fixed
Frequency used:	Multiple Frequencies
Horizontal precision:	0.0210 m
Vertical precision:	0.0259 m
RMS:	0.0176 m
Maximum PDOP:	1.508
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	20-12-2025 06:10:56 (GPS Time)
Processing stop time:	20-12-2025 06:26:03 (GPS Time)
Processing duration:	00:15:07
Processing interval:	1 second
Processing mode:	Wide Lane Mode

Vector Components (Mark to Mark)

From:	SURVEY OF INDIA (JHAN)				
Grid		Local		Global	
Easting	257886.371 m	Latitude	N25°26'53.72470"	Latitude	N25°26'53.72470"
Northing	2816770.822 m	Longitude	E78°35'32.38886"	Longitude	E78°35'32.38886"
Elevation	245.083 m	Height	187.102 m	Height	187.102 m

To:	MMDB-07				
Grid		Local		Global	
Easting	281815.258 m	Latitude	N25°23'16.86300"	Latitude	N25°23'16.86300"
Northing	2809684.469 m	Longitude	E78°49'52.64547"	Longitude	E78°49'52.64547"
Elevation	232.543 m	Height	174.003 m	Height	174.003 m

Vector					
ΔEasting	23928.8867 m	NS Fwd Azimuth	105°27'44.4"	ΔX	-23017.9790 m
ΔNorthing	-7086.3526 m	Ellipsoid Dist.	24949.7665 m	ΔY	7503.3333 m
ΔElevation	-12.540 m	ΔHeight	-13.0990 m	ΔZ	-6033.0831 m

Standard Errors

Vector errors:					
$\sigma \Delta$ Easting	0.0108 m	σ NS fwd Azimuth	0°00'00.1"	$\sigma \Delta$ X	0.0104 m
$\sigma \Delta$ Northing	0.0148 m	σ Ellipsoid Dist.	0.0110 m	$\sigma \Delta$ Y	0.0213 m
$\sigma \Delta$ Elevation	0.0259 m	$\sigma \Delta$ Height	0.0259 m	$\sigma \Delta$ Z	0.0210 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0001089770		
Y	0.0000145060	0.0004533314	
Z	0.0000227898	0.0002894074	0.0004418282

Occupations

	From	To
Point ID:	SURVEY OF INDIA (JHAN)	MMDB-07
Data file:	C:\Users\DELL\Documents\Trimble Business Center\Unnamed\JHAN354E.25o	C:\Users\DELL\Documents\Trimble Business Center\Unnamed\PZ0E3540.t04
Receiver type:	Alloy	Catalyst DA2
Receiver serial number:	5948R40092	6504100164
Antenna type:	GNSS-Ti Choke Ring v2 w/SCIS Dome	DA2
Antenna serial number:	-----	04100164
Antenna height (measured):	0.0000 m	1.9830 m
Antenna method:	Bottom of antenna mount	Bottom of antenna mount

SURVEY OF INDIA (JHAN) - MMDB-08 (05:39:26-05:54:41) (S2)

Baseline observation:	SURVEY OF INDIA (JHAN) --- MMDB-08 (B2)
Processed:	21-12-2025 03:51:40
Solution type:	Fixed
Frequency used:	Multiple Frequencies
Horizontal precision:	0.0197 m
Vertical precision:	0.0218 m
RMS:	0.0108 m
Maximum PDOP:	1.585
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	20-12-2025 05:39:26 (GPS Time)
Processing stop time:	20-12-2025 05:54:41 (GPS Time)
Processing duration:	00:15:15
Processing interval:	1 second
Processing mode:	Wide Lane Mode

Vector Components (Mark to Mark)

From:	SURVEY OF INDIA (JHAN)				
Grid		Local		Global	
Easting	257886.371 m	Latitude	N25°26'53.72470"	Latitude	N25°26'53.72470"
Northing	2816770.822 m	Longitude	E78°35'32.38886"	Longitude	E78°35'32.38886"
Elevation	245.083 m	Height	187.102 m	Height	187.102 m

To:	MMDB-08				
Grid		Local		Global	
Easting	281904.825 m	Latitude	N25°23'22.62087"	Latitude	N25°23'22.62087"
Northing	2809860.252 m	Longitude	E78°49'55.74662"	Longitude	E78°49'55.74662"
Elevation	236.196 m	Height	177.653 m	Height	177.653 m

Vector					
ΔEasting	24018.4540 m	NS Fwd Azimuth	105°01'03.4"	ΔX	-23117.1017 m
ΔNorthing	-6910.5694 m	Ellipsoid Dist.	24986.4826 m	ΔY	7448.8281 m
ΔElevation	-8.887 m	ΔHeight	-9.4489 m	ΔZ	-5871.4454 m

Standard Errors

Vector errors:					
$\sigma \Delta$ Easting	0.0100 m	σ NS fwd Azimuth	0°00'00.1"	$\sigma \Delta$ X	0.0114 m
$\sigma \Delta$ Northing	0.0122 m	σ Ellipsoid Dist.	0.0083 m	$\sigma \Delta$ Y	0.0200 m
$\sigma \Delta$ Elevation	0.0218 m	$\sigma \Delta$ Height	0.0218 m	$\sigma \Delta$ Z	0.0138 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0001294009		
Y	0.0001054407	0.0004016953	
Z	-0.0000278366	0.0001184873	0.0001910155

Occupations

	From	To
Point ID:	SURVEY OF INDIA (JHAN)	MMDB-08
Data file:	C:\Users\DELL\Documents\Trimble Business Center\Unnamed\JHAN354E.25o	C:\Users\DELL\Documents\Trimble Business Center\Unnamed\PZ0E3540.t04
Receiver type:	Alloy	Catalyst DA2
Receiver serial number:	5948R40092	6504100164
Antenna type:	GNSS-Ti Choke Ring v2 w/SCIS Dome	DA2
Antenna serial number:	-----	04100164
Antenna height (measured):	0.0000 m	1.9830 m
Antenna method:	Bottom of antenna mount	Bottom of antenna mount

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

SURVEY OF INDIA (JHAN) - MMDB-10 (05:17:53-05:33:49) (S3)

Baseline observation:	SURVEY OF INDIA (JHAN) --- MMDB-10 (B3)
Processed:	21-12-2025 03:51:43
Solution type:	Fixed
Frequency used:	Multiple Frequencies
Horizontal precision:	0.0392 m
Vertical precision:	0.0380 m
RMS:	0.0106 m
Maximum PDOP:	1.651
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	20-12-2025 05:17:53 (GPS Time)
Processing stop time:	20-12-2025 05:33:49 (GPS Time)
Processing duration:	00:15:56
Processing interval:	1 second
Processing mode:	Wide Lane Mode

Vector Components (Mark to Mark)

From:		SURVEY OF INDIA (JHAN)			
Grid		Local		Global	
Easting	257886.371 m	Latitude	N25°26'53.72470"	Latitude	N25°26'53.72470"
Northing	2816770.822 m	Longitude	E78°35'32.38886"	Longitude	E78°35'32.38886"
Elevation	245.083 m	Height	187.102 m	Height	187.102 m

To:		MMDB-10			
Grid		Local		Global	
Easting	282060.748 m	Latitude	N25°23'28.99347"	Latitude	N25°23'28.99347"
Northing	2810053.882 m	Longitude	E78°50'01.21064"	Longitude	E78°50'01.21064"
Elevation	237.463 m	Height	178.915 m	Height	178.915 m

Vector					
ΔEasting	24174.3770 m	NS Fwd Azimuth	104°29'39.1"	ΔX	-23283.0109 m
ΔNorthing	-6716.9402 m	Ellipsoid Dist.	25083.8209 m	ΔY	7397.0334 m
ΔElevation	-7.621 m	ΔHeight	-8.1870 m	ΔZ	-5693.7443 m

Standard Errors

Vector errors:					
σ ΔEasting	0.0217 m	σ NS fwd Azimuth	0°00'00.2"	σ ΔX	0.0209 m
σ ΔNorthing	0.0260 m	σ Ellipsoid Dist.	0.0201 m	σ ΔY	0.0359 m
σ ΔElevation	0.0380 m	σ ΔHeight	0.0380 m	σ ΔZ	0.0295 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0004375650		
Y	-0.0000044001	0.0012883861	
Z	-0.0001888346	0.0003842740	0.0008694017

Occupations

	From	To
Point ID:	SURVEY OF INDIA (JHAN)	MMDB-10
Data file:	C:\Users\DELL\Documents\Trimble Business Center\Unnamed\JHAN354E.25o	C:\Users\DELL\Documents\Trimble Business Center\Unnamed\PZ0E3540.t04
Receiver type:	Alloy	Catalyst DA2
Receiver serial number:	5948R40092	6504100164
Antenna type:	GNSS-Ti Choke Ring v2 w/SCIS Dome	DA2
Antenna serial number:	-----	04100164
Antenna height (measured):	0.0000 m	1.9830 m
Antenna method:	Bottom of antenna mount	Bottom of antenna mount

SURVEY OF INDIA (JHAN) - MMDB-11 (04:54:01-05:10:01) (S4)

Baseline observation:	SURVEY OF INDIA (JHAN) --- MMDB-11 (B4)
Processed:	21-12-2025 03:51:47
Solution type:	Fixed
Frequency used:	Multiple Frequencies
Horizontal precision:	0.0160 m
Vertical precision:	0.0243 m
RMS:	0.0133 m
Maximum PDOP:	1.792
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	20-12-2025 04:54:01 (GPS Time)
Processing stop time:	20-12-2025 05:10:01 (GPS Time)
Processing duration:	00:16:00
Processing interval:	1 second
Processing mode:	Wide Lane Mode

Vector Components (Mark to Mark)

From:	SURVEY OF INDIA (JHAN)				
Grid		Local		Global	
Easting	257886.371 m	Latitude	N25°26'53.72470"	Latitude	N25°26'53.72470"
Northing	2816770.822 m	Longitude	E78°35'32.38886"	Longitude	E78°35'32.38886"
Elevation	245.083 m	Height	187.102 m	Height	187.102 m

To:	MMDB-11				
Grid		Local		Global	
Easting	282189.483 m	Latitude	N25°23'39.28126"	Latitude	N25°23'39.28126"
Northing	2810368.469 m	Longitude	E78°50'05.63231"	Longitude	E78°50'05.63231"
Elevation	232.752 m	Height	174.199 m	Height	174.199 m

Vector					
ΔEasting	24303.1118 m	NS Fwd Azimuth	103°43'28.3"	ΔX	-23431.3828 m
ΔNorthing	-6402.3528 m	Ellipsoid Dist.	25125.9035 m	ΔY	7283.6001 m
ΔElevation	-12.332 m	ΔHeight	-12.9028 m	ΔZ	-5409.7686 m

Standard Errors

Vector errors:					
$\sigma \Delta$ Easting	0.0091 m	σ NS fwd Azimuth	0°00'00.1"	$\sigma \Delta$ X	0.0113 m
$\sigma \Delta$ Northing	0.0098 m	σ Ellipsoid Dist.	0.0081 m	$\sigma \Delta$ Y	0.0239 m
$\sigma \Delta$ Elevation	0.0243 m	$\sigma \Delta$ Height	0.0243 m	$\sigma \Delta$ Z	0.0082 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0001280039		
Y	0.0001620136	0.0005727747	
Z	0.0000070624	0.0000946411	0.0000669629

Occupations

	From	To
Point ID:	SURVEY OF INDIA (JHAN)	MMDB-11
Data file:	C:\Users\DELL\Documents\Trimble Business Center\Unnamed\JHAN354E.25o	C:\Users\DELL\Documents\Trimble Business Center\Unnamed\PZ0E3540.t04
Receiver type:	Alloy	Catalyst DA2
Receiver serial number:	5948R40092	6504100164
Antenna type:	GNSS-Ti Choke Ring v2 w/SCIS Dome	DA2
Antenna serial number:	-----	04100164
Antenna height (measured):	0.0000 m	1.9830 m
Antenna method:	Bottom of antenna mount	Bottom of antenna mount