

Project file data		Coordinate System	
Name:		Name:	World wide/UTM
Size:		Zone:	42 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 (BHRINDIYARA) --- MAMB-04 (B1)	SURVEY OF INDIA (BHRINDIYAR A)	MAMB-04	Fixed	0.0097	0.0177	255°32'59.9"	59196.3222	66.8294

### Acceptance Summary

Processed	Passed	Flag		Fail	
1	1	0		0	

**SURVEY OF INDIA (BHRINDIYARA) - MAMB-04 (4:16:19 PM-4:31:19 PM) (S1)**

<b>Baseline observation:</b>	<a href="#">SURVEY OF INDIA (BHRINDIYARA) --- MAMB-04 (B1)</a>
<b>Processed:</b>	23-Feb-26 5:17:48 PM
<b>Solution type:</b>	Fixed
<b>Frequency used:</b>	Multiple Frequencies
<b>Horizontal precision:</b>	0.0097 m
<b>Vertical precision:</b>	0.0177 m
<b>RMS:</b>	0.0251 m
<b>Maximum PDOP:</b>	0.863
<b>Ephemeris used:</b>	Broadcast
<b>Antenna model:</b>	NGS Absolute
<b>Processing start time:</b>	23-Feb-26 4:16:19 PM (Offset from GPS: +5.5hr)
<b>Processing stop time:</b>	23-Feb-26 4:31:19 PM (Offset from GPS: +5.5hr)
<b>Processing duration:</b>	00:15:00
<b>Processing interval:</b>	1 second
<b>Processing mode:</b>	Wide Lane Mode

**Vector Components (Mark to Mark)**

<b>From:</b>	<a href="#">SURVEY OF INDIA (BHRINDIYARA)</a>				
<b>Grid</b>		<b>Local</b>		<b>Global</b>	
<b>Easting</b>	572176.176 m	<b>Latitude</b>	N23°39'43.70026"	<b>Latitude</b>	N23°39'43.70026"
<b>Northing</b>	2617000.363 m	<b>Longitude</b>	E69°42'27.97850"	<b>Longitude</b>	E69°42'27.97850"
<b>Elevation</b>	7.717 m	<b>Height</b>	-41.420 m	<b>Height</b>	-41.420 m

<b>To:</b>	<a href="#">MAMB-04</a>				
<b>Grid</b>		<b>Local</b>		<b>Global</b>	
<b>Easting</b>	514947.648 m	<b>Latitude</b>	N23°31'39.89415"	<b>Latitude</b>	N23°31'39.89415"
<b>Northing</b>	2601950.938 m	<b>Longitude</b>	E69°08'47.15647"	<b>Longitude</b>	E69°08'47.15647"
<b>Elevation</b>	74.484 m	<b>Height</b>	25.410 m	<b>Height</b>	25.410 m

<b>Vector</b>					
<b>ΔEasting</b>	-57228.5279 m	<b>NS Fwd Azimuth</b>	255°32'59.9"	<b>ΔX</b>	55755.3950 m
<b>ΔNorthing</b>	-15049.4247 m	<b>Ellipsoid Dist.</b>	59196.3222 m	<b>ΔY</b>	-14498.2064 m
<b>ΔElevation</b>	66.766 m	<b>ΔHeight</b>	66.8294 m	<b>ΔZ</b>	-13612.9728 m

**Standard Errors**

Vector errors:					
$\sigma \Delta$ Easting	0.0064 m	$\sigma$ NS fwd Azimuth	0°00'00.0"	$\sigma \Delta$ X	0.0081 m
$\sigma \Delta$ Northing	0.0064 m	$\sigma$ Ellipsoid Dist.	0.0066 m	$\sigma \Delta$ Y	0.0157 m
$\sigma \Delta$ Elevation	0.0177 m	$\sigma \Delta$ Height	0.0177 m	$\sigma \Delta$ Z	0.0091 m

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

	X	Y	Z
X	0.0000657611		
Y	0.0000712413	0.0002464323	
Z	0.0000260060	0.0000948038	0.0000833162

**Occupations**

	From	To
Point ID:	<a href="#">SURVEY OF INDIA (BHRINDIYARA)</a>	<a href="#">MAMB-04</a>
Data file:	C:\Users\USER\Documents\Trimble Business Center\Unnamed (5)\bhri054k30.26o	C:\Users\USER\Documents\Trimble Business Center\Unnamed (5)\02LB0543.t04
Receiver type:	GR50	Catalyst DA2
Receiver serial number:	2090252	6441100159
Antenna type:	AR20 w/LEIM Dome	DA2
Antenna serial number:	-----	-----
Antenna height (measured):	0.0000 m	2.0000 m
Antenna method:	Bottom of antenna mount	Bottom of antenna mount



Project file data		Coordinate System	
Name:		Name:	World wide/UTM
Size:		Zone:	42 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 (DAYAPAR) --- MAMB-01 (B2)	SURVEY OF INDIA (DAYAPAR)	MAMB-01	Fixed	0.0119	0.0218	114°07'22.2"	21531.0841	-55.4436
SURVEY OF INDIA (DAYAPAR) --- MAMB-02 (B3)	SURVEY OF INDIA (DAYAPAR)	MAMB-02	Fixed	0.0141	0.0219	109°35'05.7"	23331.4242	-57.0264
SURVEY OF INDIA (DAYAPAR) --- MAMB-03 (B4)	SURVEY OF INDIA (DAYAPAR)	MAMB-03	Fixed	0.0218	0.0353	108°30'52.9"	25468.6498	-22.1968

### Acceptance Summary

Processed	Passed	Flag		Fail	
3	3	0		0	

**SURVEY OF INDIA (DAYAPAR) - MAMB-01 (3:05:41 PM-3:20:41 PM) (S2)**

<b>Baseline observation:</b>	<a href="#">SURVEY OF INDIA (DAYAPAR) --- MAMB-01 (B2)</a>
<b>Processed:</b>	23-Feb-26 5:10:17 PM
<b>Solution type:</b>	Fixed
<b>Frequency used:</b>	Multiple Frequencies
<b>Horizontal precision:</b>	0.0119 m
<b>Vertical precision:</b>	0.0218 m
<b>RMS:</b>	0.0204 m
<b>Maximum PDOP:</b>	1.236
<b>Ephemeris used:</b>	Broadcast
<b>Antenna model:</b>	NGS Absolute
<b>Processing start time:</b>	23-Feb-26 3:05:41 PM (Offset from GPS: +5.5hr)
<b>Processing stop time:</b>	23-Feb-26 3:20:41 PM (Offset from GPS: +5.5hr)
<b>Processing duration:</b>	00:15:00
<b>Processing interval:</b>	1 second
<b>Processing mode:</b>	Wide Lane Mode

**Vector Components (Mark to Mark)**

<b>From:</b>	<a href="#">SURVEY OF INDIA (DAYAPAR)</a>				
<b>Grid</b>		<b>Local</b>		<b>Global</b>	
<b>Easting</b>	489981.079 m	<b>Latitude</b>	N23°37'55.26554"	<b>Latitude</b>	N23°37'55.26554"
<b>Northing</b>	2613490.249 m	<b>Longitude</b>	E68°54'06.38488"	<b>Longitude</b>	E68°54'06.38488"
<b>Elevation</b>	103.834 m	<b>Height</b>	55.125 m	<b>Height</b>	55.125 m

<b>To:</b>	<a href="#">MAMB-01</a>				
<b>Grid</b>		<b>Local</b>		<b>Global</b>	
<b>Easting</b>	509617.984 m	<b>Latitude</b>	N23°33'08.80443"	<b>Latitude</b>	N23°33'08.80443"
<b>Northing</b>	2604680.646 m	<b>Longitude</b>	E69°05'39.25951"	<b>Longitude</b>	E69°05'39.25951"
<b>Elevation</b>	48.677 m	<b>Height</b>	-0.319 m	<b>Height</b>	-0.319 m

<b>Vector</b>					
<b>ΔEasting</b>	19636.9054 m	<b>NS Fwd Azimuth</b>	114°07'22.2"	<b>ΔX</b>	-17093.9856 m
<b>ΔNorthing</b>	-8809.6030 m	<b>Ellipsoid Dist.</b>	21531.0841 m	<b>ΔY</b>	10286.1414 m
<b>ΔElevation</b>	-55.157 m	<b>ΔHeight</b>	-55.4436 m	<b>ΔZ</b>	-8098.4661 m

**Standard Errors**

Vector errors:					
$\sigma \Delta$ Easting	0.0084 m	$\sigma$ NS fwd Azimuth	0°00'00.1"	$\sigma \Delta$ X	0.0105 m
$\sigma \Delta$ Northing	0.0077 m	$\sigma$ Ellipsoid Dist.	0.0082 m	$\sigma \Delta$ Y	0.0196 m
$\sigma \Delta$ Elevation	0.0218 m	$\sigma \Delta$ Height	0.0218 m	$\sigma \Delta$ Z	0.0105 m



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

	X	Y	Z
X	0.0001109546		
Y	0.0001128128	0.0003845649	
Z	0.0000442778	0.0001305897	0.0001103515

**Occupations**

	From	To
Point ID:	<a href="#">SURVEY OF INDIA (DAYAPAR)</a>	<a href="#">MAMB-01</a>
Data file:	C:\Users\USER\Documents\Trimble Business Center\Unnamed (5)\dpar054h30.26o	C:\Users\USER\Documents\Trimble Business Center\Unnamed (5)\02LB0542.t04
Receiver type:	GR50	Catalyst DA2
Receiver serial number:	2090326	6441100159
Antenna type:	AR20 w/LEIM Dome	DA2
Antenna serial number:	-----	-----
Antenna height (measured):	0.0000 m	2.0000 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 (DAYAPAR) - MAMB-02 (1:48:11 PM-2:03:11 PM) (S3)

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Baseline observation:	<a href="#">SURVEY OF INDIA (DAYAPAR) --- MAMB-02 (B3)</a>
Processed:	23-Feb-26 5:10:17 PM
Solution type:	Fixed
Frequency used:	Multiple Frequencies
Horizontal precision:	0.0141 m
Vertical precision:	0.0219 m
RMS:	0.0276 m
Maximum PDOP:	1.091
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	23-Feb-26 1:48:11 PM (Offset from GPS: +5.5hr)
Processing stop time:	23-Feb-26 2:03:11 PM (Offset from GPS: +5.5hr)
Processing duration:	00:15:00
Processing interval:	1 second
Processing mode:	Wide Lane Mode

**Vector Components (Mark to Mark)**

<b>From:</b> SURVEY OF INDIA (DAYAPAR)					
<b>Grid</b>		<b>Local</b>		<b>Global</b>	
<b>Easting</b>	489981.079 m	<b>Latitude</b>	N23°37'55.26554"	<b>Latitude</b>	N23°37'55.26554"
<b>Northing</b>	2613490.249 m	<b>Longitude</b>	E68°54'06.38488"	<b>Longitude</b>	E68°54'06.38488"
<b>Elevation</b>	103.834 m	<b>Height</b>	55.125 m	<b>Height</b>	55.125 m

<b>To:</b> MAMB-02					
<b>Grid</b>		<b>Local</b>		<b>Global</b>	
<b>Easting</b>	511948.522 m	<b>Latitude</b>	N23°33'40.51393"	<b>Latitude</b>	N23°33'40.51393"
<b>Northing</b>	2605657.499 m	<b>Longitude</b>	E69°07'01.49362"	<b>Longitude</b>	E69°07'01.49362"
<b>Elevation</b>	47.072 m	<b>Height</b>	-1.902 m	<b>Height</b>	-1.902 m

<b>Vector</b>					
<b>ΔEasting</b>	21967.4427 m	<b>NS Fwd Azimuth</b>	109°35'05.7"	<b>ΔX</b>	-19412.3714 m
<b>ΔNorthing</b>	-7832.7499 m	<b>Ellipsoid Dist.</b>	23331.4242 m	<b>ΔY</b>	10752.3117 m
<b>ΔElevation</b>	-56.762 m	<b>ΔHeight</b>	-57.0264 m	<b>ΔZ</b>	-7204.8712 m

**Standard Errors**

<b>Vector errors:</b>					
<b>σ ΔEasting</b>	0.0094 m	<b>σ NS fwd Azimuth</b>	0°00'00.1"	<b>σ ΔX</b>	0.0100 m
<b>σ ΔNorthing</b>	0.0093 m	<b>σ Ellipsoid Dist.</b>	0.0098 m	<b>σ ΔY</b>	0.0201 m
<b>σ ΔElevation</b>	0.0219 m	<b>σ ΔHeight</b>	0.0219 m	<b>σ ΔZ</b>	0.0122 m

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

	<b>X</b>	<b>Y</b>	<b>Z</b>
<b>X</b>	0.0001006900		
<b>Y</b>	0.0000777311	0.0004037764	
<b>Z</b>	0.0000455920	0.0001357418	0.0001488569



**Occupations**

	<b>From</b>	<b>To</b>
<b>Point ID:</b>	<a href="#">SURVEY OF INDIA (DAYAPAR)</a>	<a href="#">MAMB-02</a>
<b>Data file:</b>	C:\Users\USER\Documents\Trimble Business Center\Unnamed (5)\dpar054h30.26o	C:\Users\USER\Documents\Trimble Business Center\Unnamed (5)\02LB0541.t04
<b>Receiver type:</b>	GR50	Catalyst DA2
<b>Receiver serial number:</b>	2090326	6441100159
<b>Antenna type:</b>	AR20 w/LEIM Dome	DA2
<b>Antenna serial number:</b>	-----	-----
<b>Antenna height (measured):</b>	0.0000 m	2.0000 m
<b>Antenna method:</b>	Bottom of antenna mount	Bottom of antenna mount

**SURVEY OF INDIA (DAYAPAR) - MAMB-03 (1:05:18 PM-1:20:18 PM) (S4)**

<b>Baseline observation:</b>	<a href="#">SURVEY OF INDIA (DAYAPAR) --- MAMB-03 (B4)</a>
<b>Processed:</b>	23-Feb-26 5:10:16 PM
<b>Solution type:</b>	Fixed
<b>Frequency used:</b>	Multiple Frequencies
<b>Horizontal precision:</b>	0.0218 m
<b>Vertical precision:</b>	0.0353 m
<b>RMS:</b>	0.0199 m
<b>Maximum PDOP:</b>	0.970
<b>Ephemeris used:</b>	Broadcast
<b>Antenna model:</b>	NGS Absolute
<b>Processing start time:</b>	23-Feb-26 1:05:18 PM (Offset from GPS: +5.5hr)
<b>Processing stop time:</b>	23-Feb-26 1:20:18 PM (Offset from GPS: +5.5hr)
<b>Processing duration:</b>	00:15:00
<b>Processing interval:</b>	1 second
<b>Processing mode:</b>	Wide Lane Mode

**Vector Components (Mark to Mark)**

<b>From:</b>	<a href="#">SURVEY OF INDIA (DAYAPAR)</a>				
<b>Grid</b>		<b>Local</b>		<b>Global</b>	
<b>Easting</b>	489981.079 m	<b>Latitude</b>	N23°37'55.26554"	<b>Latitude</b>	N23°37'55.26554"
<b>Northing</b>	2613490.249 m	<b>Longitude</b>	E68°54'06.38488"	<b>Longitude</b>	E68°54'06.38488"
<b>Elevation</b>	103.834 m	<b>Height</b>	55.125 m	<b>Height</b>	55.125 m

<b>To:</b>	<a href="#">MAMB-03</a>				
<b>Grid</b>		<b>Local</b>		<b>Global</b>	
<b>Easting</b>	514116.325 m	<b>Latitude</b>	N23°33'31.73247"	<b>Latitude</b>	N23°33'31.73247"
<b>Northing</b>	2605389.381 m	<b>Longitude</b>	E69°08'17.95531"	<b>Longitude</b>	E69°08'17.95531"
<b>Elevation</b>	81.911 m	<b>Height</b>	32.928 m	<b>Height</b>	32.928 m

<b>Vector</b>					
<b>ΔEasting</b>	24135.2457 m	<b>NS Fwd Azimuth</b>	108°30'52.9"	<b>ΔX</b>	-21388.6552 m
<b>ΔNorthing</b>	-8100.8681 m	<b>Ellipsoid Dist.</b>	25468.6498 m	<b>ΔY</b>	11655.6236 m
<b>ΔElevation</b>	-21.923 m	<b>ΔHeight</b>	-22.1968 m	<b>ΔZ</b>	-7438.5871 m

**Standard Errors**

Vector errors:					
$\sigma \Delta$ Easting	0.0132 m	$\sigma$ NS fwd Azimuth	0°00'00.1"	$\sigma \Delta$ X	0.0168 m
$\sigma \Delta$ Northing	0.0153 m	$\sigma$ Ellipsoid Dist.	0.0137 m	$\sigma \Delta$ Y	0.0293 m
$\sigma \Delta$ Elevation	0.0353 m	$\sigma \Delta$ Height	0.0353 m	$\sigma \Delta$ Z	0.0228 m

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

	X	Y	Z
X	0.0002815537		
Y	0.0002717573	0.0008569231	
Z	0.0001892826	0.0004460033	0.0005192477

**Occupations**

	From	To
Point ID:	<a href="#">SURVEY OF INDIA (DAYAPAR)</a>	<a href="#">MAMB-03</a>
Data file:	C:\Users\USER\Documents\Trimble Business Center\Unnamed (5)\dpar054h30.26o	C:\Users\USER\Documents\Trimble Business Center\Unnamed (5)\02LB0540.t04
Receiver type:	GR50	Catalyst DA2
Receiver serial number:	2090326	6441100159
Antenna type:	AR20 w/LEIM Dome	DA2
Antenna serial number:	-----	-----
Antenna height (measured):	0.0000 m	2.0000 m
Antenna method:	Bottom of antenna mount	Bottom of antenna mount