

# GNSS Processing Report - Summary

Report created: 17.11.2024 20:55:30

## Project Details

### General

Project Name: SPGI-V03-stirikotnik  
Owner: -  
Lead Surveyor: Ritlop, Klemen  
Date Created: 17.11.2024 20:36:38  
Last Accessed: 17.11.2024 20:41:59  
Application Software: Infinity 4.2.1

### Customer Details

Customer Name: -  
Contact Person: -  
Number: -  
Email: -  
Skype: -  
Website: -

### Master Coordinate System

Coordinate System Name: D96\_TM  
Transformation Type: -  
Residual Distribution: None  
Ellipsoid: GRS 1980  
Projection Type: Transverse Mercator  
Geoid Model: SLOVRP2016-Koper  
CSCS Model: -

Path: D:\OneDrive - Univerza v Ljubljani\1\_sola\3\_GIUN\2\_letnik\Satelitsko\_podprta\_geodetska\_izmera\1\_vaje\2024-2025\1\_vaje\V0  
3 - Izravnava GNSS mreze\D0 - obdelava opazovanj\SPGI-V03-stirikotnik\SPGI-V03-stirikotnik.iprj  
Size: 310,5 MB  
Comments: -

## Baseline T006 - T007

### Processing Parameters (09.10.2024 10:47:47 - 09.10.2024 13:32:08)

Data	Selected	Used	Comments
Cut-Off Angle:	10°	10°	
Frequency:	Automatic	L1/E1/L2/L5/E5a/E5b/E5ab	
Sampling Rate:	Use All	1,00 sec	
Satellite System:	GPS/GLONASS/Galileo/Beidou	GPS/GLONASS/Galileo	
Ephemeris Type:	Precise	Precise	
Antenna Calibration Set:	Geo++ GmbH Absolute	Geo++ GmbH Absolute	

### Processing Strategy

Solution Type:	Phase Fixed	Phase Fixed
Solution Optimisation:	Automatic	None
Frequency to use in Ionosphere Minimised:	Automatic	Automatic
Tropospheric Model:	VMF with GPT2 model	VMF with GPT2 model
Ionospheric Model:	Automatic	Computed
Allow Widelane Fix:	Automatic	Automatic

### General Settings

Min. Distance for Ionosphere Minimised: 15 km  
Possible Ambiguities Fix up to: 300 km  
Min. Duration for Float Solution (static): 00:05:00

### Time Settings

Time Format: HH:mm:ss  
Time System: Local Time  
Leap Seconds: 18

## Results Baseline: T006 - T007

### Acquisition

Start Time - End Time: 09.10.2024 10:47:47 - 09.10.2024 13:32:02  
Duration: 02:44:15

Antennas

	Reference - T006	Rover - T007
Receiver Name / SN:	LEICA GS18 / 3604696	LEICA GS18 / 3604728
Antenna Name / SN:	LEIGS18 / -	LEIGS18 / -
Carrier Offset:	-	-
Height Reading:	1,5580 m	1,4900 m
Antenna Height:	1,5580 m	1,4900 m

Phase Center Offset

	Reference - LEIGS18		Rover - LEIGS18	
GPS	L1	L2	L1	L2
East	-0,0003 m	0,0024 m	-0,0003 m	0,0024 m
North	-0,0010 m	-0,0005 m	-0,0010 m	-0,0005 m
Up	0,0999 m	0,1074 m	0,0999 m	0,1074 m

GLONASS	L1	L2	L1	L2
East	-0,0003 m	0,0024 m	-0,0003 m	0,0024 m
North	-0,0010 m	-0,0005 m	-0,0010 m	-0,0005 m
Up	0,0999 m	0,1074 m	0,0999 m	0,1074 m

Coordinates

	Reference - T006	Rover - T007		Reference - T006	Rover - T007
Point Role:	Navigated RTK	Fixed PP			
WGS84 Latitude:	46,04589511° N	46,04596280° N	Easting:	460.916,8809 m	460.935,7282 m
WGS84 Longitude:	14,49499438° E	14,49523729° E	Northing:	100.801,1261 m	100.808,5302 m
WGS84 Ellip. Height:	367,4504 m	367,4014 m	Ortho. Height:	320,9745 m	320,9256 m
WGS84 Cartesian X:	4.293.738,9760 m	4.293.728,9923 m			
WGS84 Cartesian Y:	1.110.036,2007 m	1.110.053,0404 m			
WGS84 Cartesian Z:	4.569.054,2730 m	4.569.059,4604 m			

Baseline Vector and Quality - WGS84

ΔLatitude:	0,00006769°	SD ΔLatitude:	0,0000 m
ΔLongitude:	0,00024292°	SD ΔLongitude:	0,0000 m
ΔHeight:	-0,0490 m	SD ΔHeight:	0,0000 m
ΔX:	-9,9837 m	SD ΔX:	0,0000 m
ΔY:	16,8397 m	SD ΔY:	0,0000 m
ΔZ:	5,1874 m	SD ΔZ:	0,0000 m
Slope Dist.:	20,2524 m	SD Slope Dist.:	0,0000 m

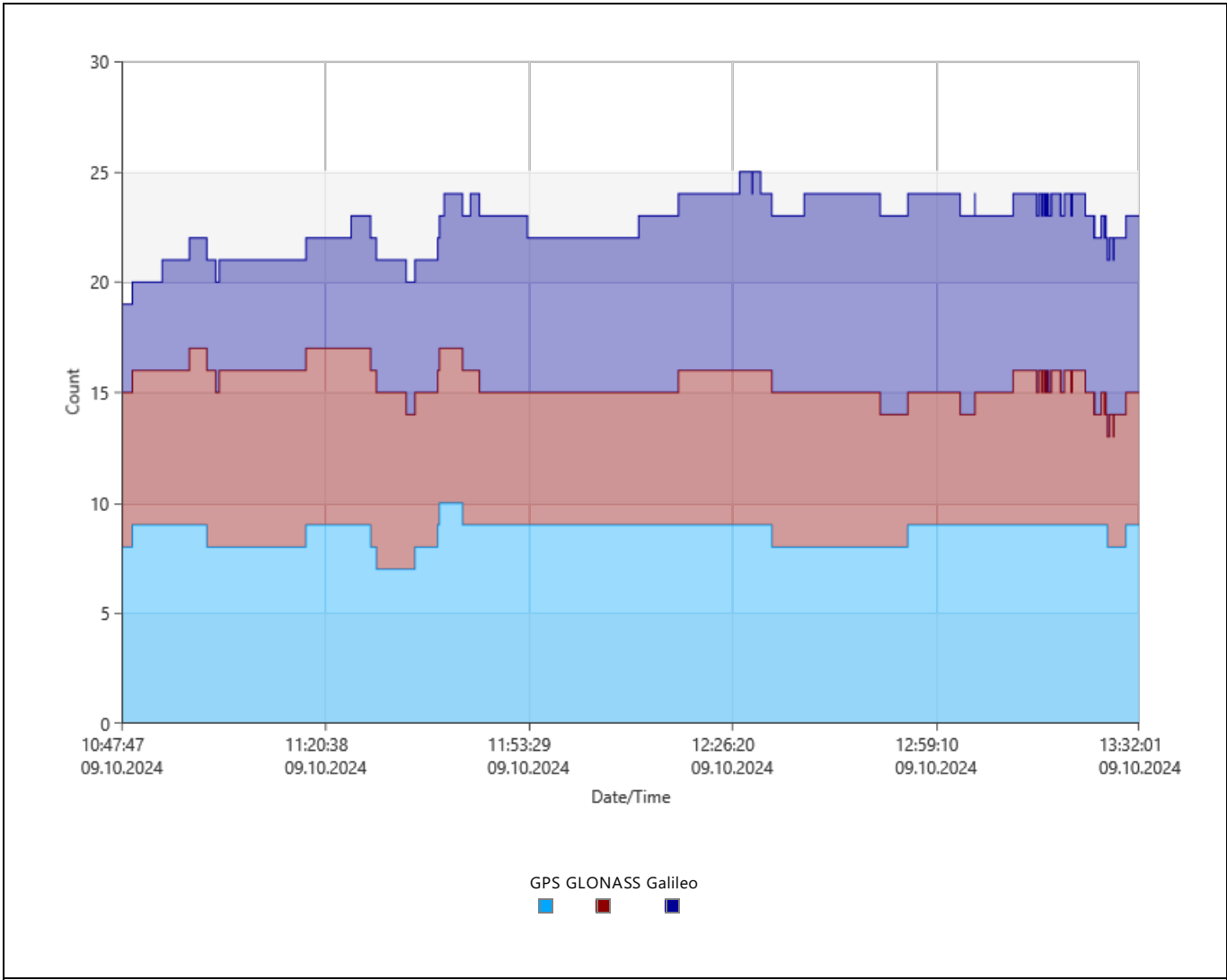
M0:	0,2231 m	CQ 1D:	0,0000 m
Q11:	0,00000001	CQ 2D:	0,0000 m
Q12:	0,00000000	CQ 3D:	0,0000 m
Q22:	0,00000000		
Q13:	0,00000000		
Q23:	0,00000000		
Q33:	0,00000001		

Frequency:	L1/E1/L2/L5/E5a/E5b/E5ab	GDOP:	1,3 - 1,7	GPS SVs:	10/10
Solution Optimisation:	None	PDOP:	0,9 - 1,2	GLONASS SVs:	8/8
Solution Type:	Phase Fixed	HDOP:	0,5 - 0,6	Beidou SVs:	-
		VDOP:	0,7 - 1,0	Galileo SVs:	9/9
				QZSS SVs:	-
Ephemeris Type:					
GPS	Precise				
GLONASS	Precise				
Galileo	Precise				

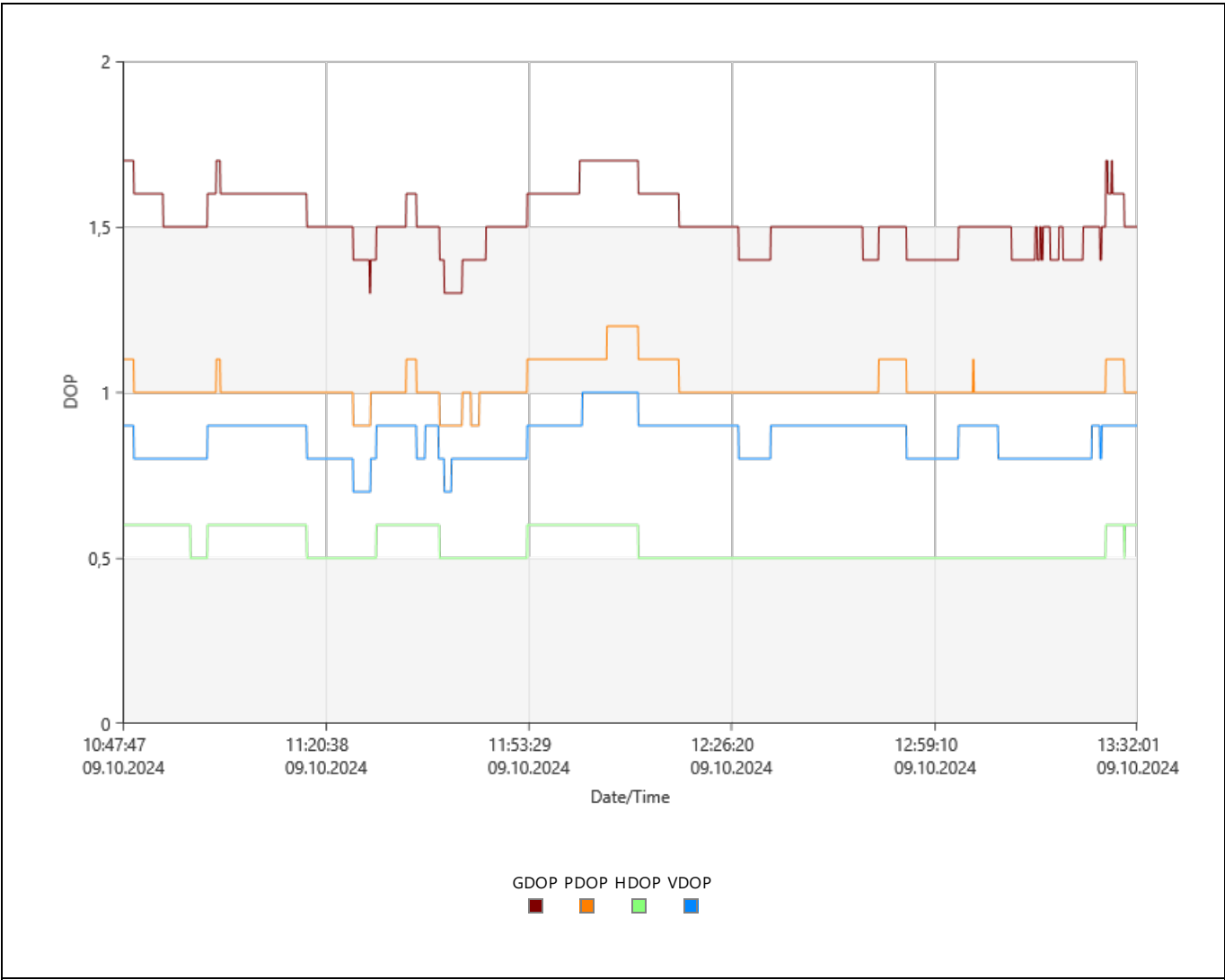
Processing Info (09.10.2024 10:47:47 - 09.10.2024 13:32:08)

Processed Date/Time: 17.11.2024 20:48:51

SVs Tracked



DOP



Ambiguity Statistics

Number of Ambiguities	GPS	GLONASS	Galileo
Fixed	37	40	48
Total	43	56	52
Independently fixed	1.232	1.232	1.232
Possible independently fixed	1.232	1.232	1.232

Average time between independent fixes: 00:00:06

% of Epochs	GPS			GLONASS		Galileo			
	L1 [%]	L2 [%]	L5 [%]	L1 [%]	L2 [%]	E1 [%]	E5a [%]	E5b [%]	E5ab [%]
Fixed	100,00	100,00	100,00	99,96	99,96	100,00	100,00	100,00	100,00
Not fixed	0,00	0,00	0,00	0,04	0,04	0,00	0,00	0,00	0,00
Not fixed - contradiction	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Not fixed - missing phase	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

Status	From Epoch	To Epoch	Duration
Fixed	09.10.2024 10:47:47	09.10.2024 13:32:02	02:44:15