

# GNSS Processing Report - Summary

Report created: 17.11.2024 20:54:24

## 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\V03 - Izravnava GNSS mreze\D0 - obdelava opazovanj\SPGI-V03-stirikotnik\SPGI-V03-stirikotnik.iprj  
Size: 310,5 MB  
Comments: -

## Baseline T009 - T007

### Processing Parameters (07.10.2024 10:08:11 - 07.10.2024 14:11:44)

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: T009 - T007

### Acquisition

Start Time - End Time: 07.10.2024 10:08:11 - 07.10.2024 14:08:50  
Duration: 04:00:39

Antennas

	Reference - T009	Rover - T007
Receiver Name / SN:	LEICA GS15 / 1500642	LEICA GS18 / 3604696
Antenna Name / SN:	LEIGS15 / -	LEIGS18 / -
Carrier Offset:	-	-
Height Reading:	1,5290 m	1,5320 m
Antenna Height:	1,5290 m	1,5320 m

Phase Center Offset

	Reference - LEIGS15		Rover - LEIGS18	
GPS	L1	L2	L1	L2
East	-0,0003 m	0,0022 m	-0,0003 m	0,0024 m
North	-0,0007 m	-0,0001 m	-0,0010 m	-0,0005 m
Up	0,1999 m	0,1983 m	0,0999 m	0,1074 m

GLONASS	L1	L2	L1	L2
East	-0,0003 m	0,0022 m	-0,0003 m	0,0024 m
North	-0,0007 m	-0,0001 m	-0,0010 m	-0,0005 m
Up	0,1999 m	0,1983 m	0,0999 m	0,1074 m

Coordinates

	Reference - T009	Rover - T007		Reference - T009	Rover - T007
Point Role:	Navigated RTK	Fixed PP			
WGS84 Latitude:	46,04574537° N	46,04595746° N	Easting:	460.928,8714 m	460.934,9069 m
WGS84 Longitude:	14,49515067° E	14,49522673° E	Northing:	100.784,4073 m	100.807,9424 m
WGS84 Ellip. Height:	365,7203 m	365,6367 m	Ortho. Height:	319,2447 m	319,1609 m
WGS84 Cartesian X:	4.293.746,3863 m	4.293.728,4245 m			
WGS84 Cartesian Y:	1.110.050,6122 m	1.110.052,0490 m			
WGS84 Cartesian Z:	4.569.041,4747 m	4.569.057,7783 m			

Baseline Vector and Quality - WGS84

ΔLatitude:	0,00021209°	SD ΔLatitude:	0,0000 m
ΔLongitude:	0,00007605°	SD ΔLongitude:	0,0000 m
ΔHeight:	-0,0836 m	SD ΔHeight:	0,0000 m
ΔX:	-17,9618 m	SD ΔX:	0,0000 m
ΔY:	1,4368 m	SD ΔY:	0,0000 m
ΔZ:	16,3036 m	SD ΔZ:	0,0000 m
Slope Dist.:	24,3001 m	SD Slope Dist.:	0,0000 m

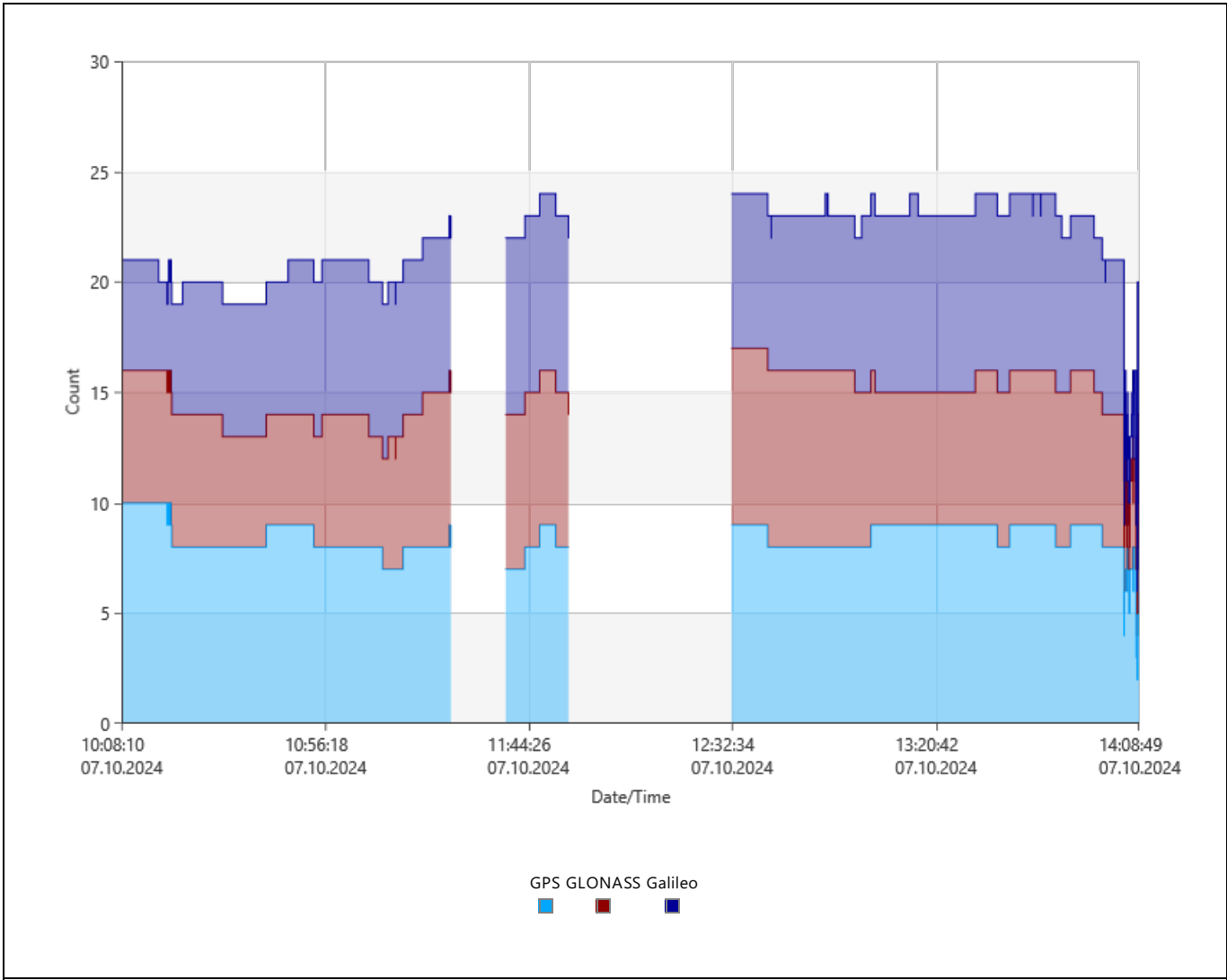
M0:	0,2476 m	CQ 1D:	0,0000 m
Q11:	0,00000001	CQ 2D:	0,0000 m
Q12:	0,00000000	CQ 3D:	0,0000 m
Q22:	0,00000000		
Q13:	0,00000000		
Q23:	0,00000000		
Q33:	0,00000001		

Frequency:	L1/E1/L2/L5/E5a/E5b/E5ab	GDOP:	1,4 - 9,5	GPS SVs:	10/10
Solution Optimisation:	None	PDOP:	1,0 - 5,4	GLONASS SVs:	8/8
Solution Type:	Phase Fixed	HDOP:	0,5 - 3,4	Beidou SVs:	-
		VDOP:	0,8 - 4,1	Galileo SVs:	9/9
				QZSS SVs:	-
Ephemeris Type:					
GPS	Precise				
GLONASS	Precise				
Galileo	Precise				

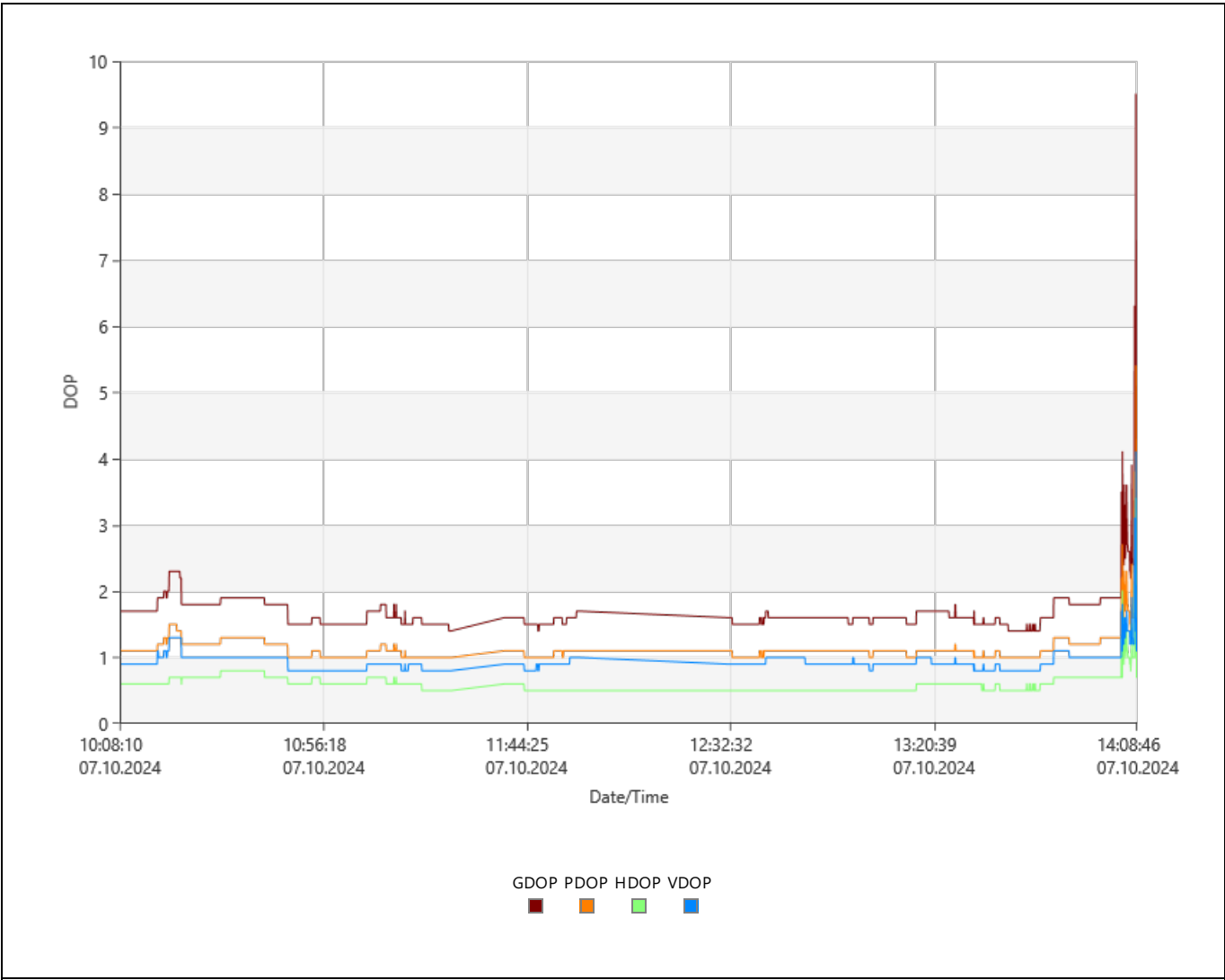
Processing Info (07.10.2024 10:08:11 - 07.10.2024 14:11:44)

Processed Date/Time: 17.11.2024 20:49:56

SVs Tracked



DOP



Ambiguity Statistics

Number of Ambiguities	GPS	GLONASS	Beidou	Galileo
Fixed	105	57	0	162
Total	228	110	0	248
Independently fixed	1.435	1.419	0	1.434
Possible independently fixed	1.510	1.510	1.510	1.510

Average time between independent fixes: 00:00:06

% of Epochs	GPS			GLONASS		Galileo			
	L1 [%]	L2 [%]	L5 [%]	L1 [%]	L2 [%]	E1 [%]	E5a [%]	E5b [%]	E5ab [%]
Fixed	98,94	99,00	99,26	99,10	99,23	99,25	99,04	99,28	99,27
Not fixed	0,79	0,79	0,63	0,81	0,64	0,66	0,81	0,71	0,63
Not fixed - contradiction	0,22	0,17	0,08	0,00	0,00	0,09	0,15	0,00	0,09
Not fixed - missing phase	0,06	0,04	0,02	0,08	0,14	0,00	0,00	0,00	0,00

Status	From Epoch	To Epoch	Duration
Fixed	07.10.2024 10:08:11	07.10.2024 12:32:27	02:24:16
Not fixed	07.10.2024 12:32:27	07.10.2024 12:32:28	00:00:01
Fixed	07.10.2024 12:32:28	07.10.2024 14:05:12	01:32:44
Not fixed	07.10.2024 14:05:12	07.10.2024 14:08:50	00:03:38