

# GNSS Processing Report - Summary

Report created: 24.11.2025 12:09:55

## Project Details

General		Customer Details		Master Coordinate System	
Project Name:	SPGI-V03-stirikotnik	Customer Name:	-	Coordinate System Name:	None
Owner:	-	Contact Person:	-	Transformation Type:	-
Lead Surveyor:	Ritlop, Klemen	Number:	-	Residual Distribution:	-
Date Created:	24.11.2025 10:10:36	Email:	-	Ellipsoid:	-
Last Accessed:	24.11.2025 10:10:36	Skype:	-	Projection Type:	-
Application Software:	Infinity 4.3.1	Website:	-	Geoid Model:	-
				CSCS Model:	-
Path:	D:\OneDrive - Univerza v Ljubljani\1_sola\3_GIUN\2_letnik\Satelitsko_podprta_geodetska_izmera\1_vaje\2025-2026\1_vaje\V03 - Izravnavna GNSS mreze\D0 - obdelava opazovanj\SPGI-V03-stirikotnik\SPGI-V03-stirikotnik.iprj				
Size:	231,7 MB				
Comments:	-				

## Baseline FGG1 - FGG4

### Processing Parameters (07.10.2025 11:09:29 - 07.10.2025 15:07:24)

Data	Selected	Used	Comments
Cut-Off Angle:	10°	10°	
Frequency:	Automatic	L1/E1/L2/L5/E5a/E5b/E5ab	
Sampling Rate:	10,00 sec	10,00 sec	
Satellite System:	GPS/GLONASS/Galileo/Beidou	GPS/GLONASS/Galileo	
Ephemeris Type:	Precise	Precise	
Antenna Calibration Set:	NGS 20 Absolute	NGS 20 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

#### 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: FGG1 - FGG4

### Acquisition

Start Time - End Time: 07.10.2025 11:09:32 - 07.10.2025 15:07:22

Duration: 03:57:50

Antennas

	Reference - FGG1	Rover - FGG4
Receiver Name / SN:	LEICA GS15 / 1500617	LEICA GS18 / 3604685
Antenna Name / SN:	LEIGS15 / -	LEIGS18 / -
Carrier Offset:	-	-
Height Reading:	0,15000 m	0,15000 m
Antenna Height:	0,15000 m	0,15000 m

Phase Center Offset

	Reference - LEIGS15		Rover - LEIGS18	
GPS	L1	L2	L1	L2
East	-0,00049 m	0,00214 m	-0,00028 m	0,00244 m
North	-0,00081 m	0,00076 m	-0,00100 m	-0,00049 m
Up	0,20205 m	0,20073 m	0,09991 m	0,10744 m

GLONASS	L1	L2	L1	L2
East	-	-	-0,00028 m	0,00244 m
North	-	-	-0,00100 m	-0,00049 m
Up	-	-	0,09991 m	0,10744 m

Coordinates

	Reference - FGG1	Rover - FGG4		Reference - FGG1	Rover - FGG4
Point Role:	Navigated RTK	Fixed PP			
WGS84 Latitude:	46,04575686° N	46,04557358° N	Easting:	-	-
WGS84 Longitude:	14,49450401° E	14,49462845° E	Northing:	-	-
WGS84 Ellip. Height:	368,31221 m	368,29880 m	Ortho. Height:	-	-
WGS84 Cartesian X:	4.293.759,76630 m	4.293.771,54599 m			
WGS84 Cartesian Y:	1.110.002,37140 m	1.110.015,36589 m			
WGS84 Cartesian Z:	4.569.044,22690 m	4.569.030,07662 m			

Baseline Vector and Quality - WGS84

ΔLatitude:	-0,00018328°	SD ΔLatitude:	0,00004 m
ΔLongitude:	0,00012445°	SD ΔLongitude:	0,00003 m
ΔHeight:	-0,01340 m	SD ΔHeight:	0,00007 m
ΔX:	11,77969 m	SD ΔX:	0,00006 m
ΔY:	12,99449 m	SD ΔY:	0,00003 m
ΔZ:	-14,15028 m	SD ΔZ:	0,00005 m
Slope Dist.:	22,53549 m	SD Slope Dist.:	0,00003 m

M0:	0,24480 m	CQ 1D:	0,00007 m
Q11:	0,00000006	CQ 2D:	0,00004 m
Q12:	0,00000001	CQ 3D:	0,00009 m
Q22:	0,00000001		
Q13:	0,00000003		
Q23:	0,00000001		
Q33:	0,00000005		

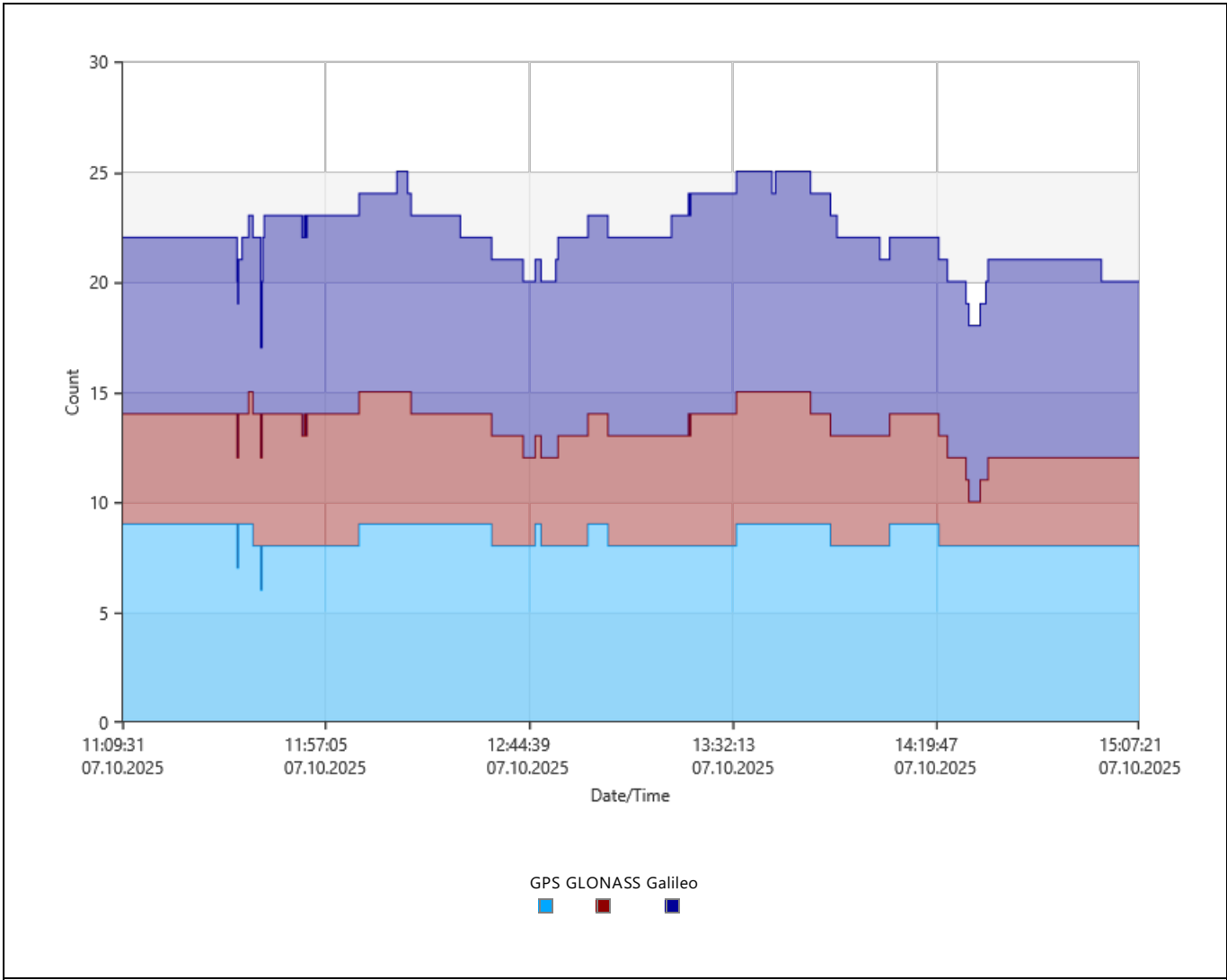
Frequency:	L1/E1/L2/L5/E5a/E5b/E5ab	GDOP:	1,3 - 2,6	GPS SVs:	9/9
Solution Optimisation:	None	PDOP:	0,9 - 1,6	GLONASS SVs:	6/6
Solution Type:	Phase Fixed	HDOP:	0,5 - 0,8	Beidou SVs:	-
		VDOP:	0,7 - 1,4	Galileo SVs:	10/10
				QZSS SVs:	-

Ephemeris Type:	
GPS	Precise
GLONASS	Precise
Galileo	Precise

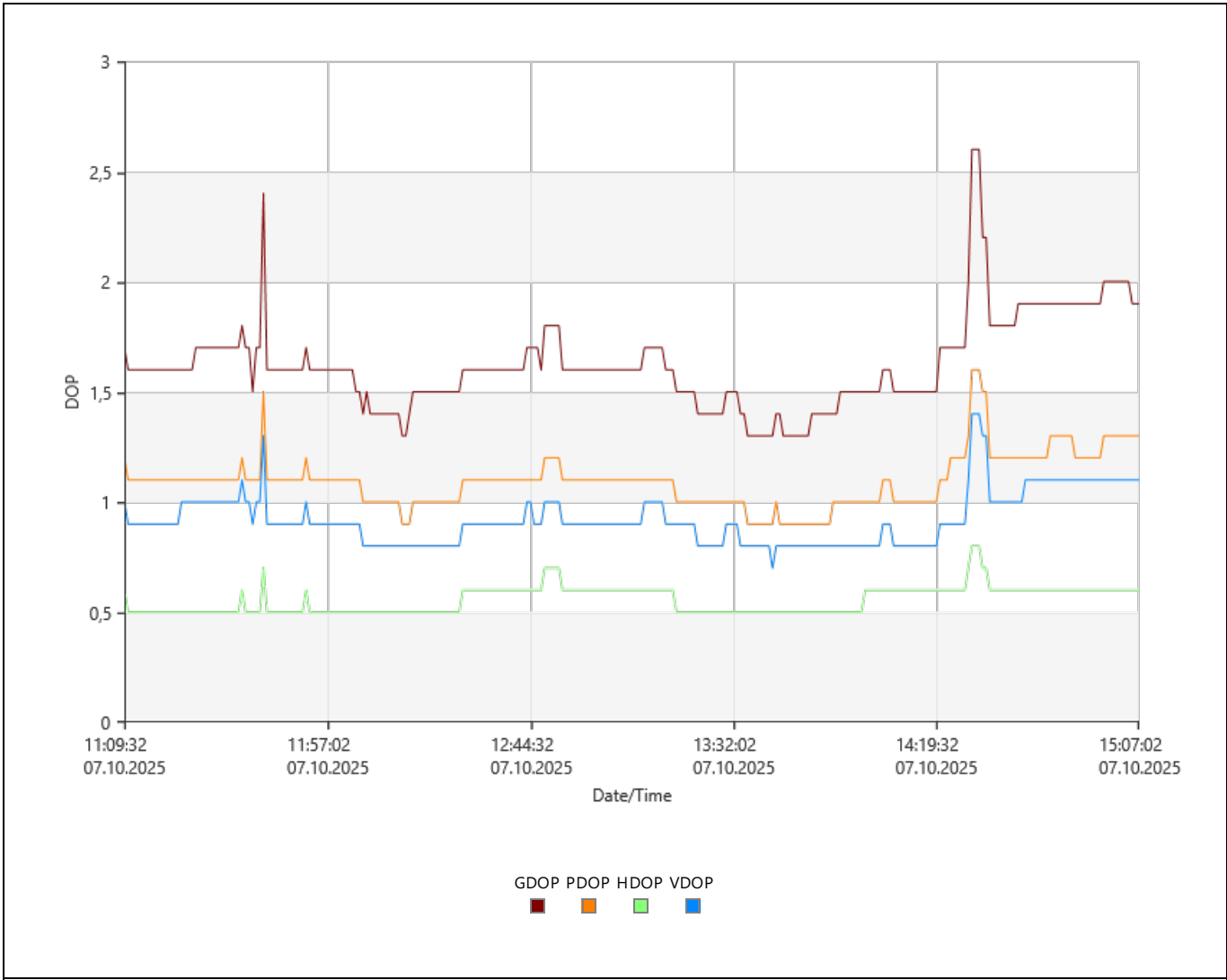
Processing Info (07.10.2025 11:09:29 - 07.10.2025 15:07:24)

Processed Date/Time: 24.11.2025 12:01:27

SVs Tracked



DOP



Ambiguity Statistics

Number of Ambiguities	GPS	GLONASS	Beidou	Galileo
Fixed	58	31	0	100
Total	78	42	0	132
Independently fixed	1.784	1.784	0	1.784
Possible independently fixed	1.784	1.784	1.784	1.784

Average time between independent fixes: 00:00:06

% of Epochs	GPS			GLONASS		Galileo			
	L1 [%]	L2 [%]	L5 [%]	L1 [%]	L2 [%]	E1 [%]	E5a [%]	E5b [%]	E5ab [%]
Fixed	99,96	99,95	100,00	99,92	99,95	99,99	99,89	99,98	99,98
Not fixed	0,03	0,04	0,00	0,06	0,02	0,01	0,09	0,02	0,02
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	0,01	0,02	0,00	0,03	0,03	0,01	0,01	0,00	0,01

Status	From Epoch	To Epoch	Duration
Fixed	07.10.2025 11:09:32	07.10.2025 15:07:22	03:57:50