

GNSS Processing Report - Summary

Report created: 24.11.2025 11:55:47

Project Details

General

Project Name: SPGI-V03-stirikotnik
Owner: -
Lead Surveyor: Ritlop, Klemen
Date Created: 24.11.2025 10:10:36
Last Accessed: 24.11.2025 10:10:36
Application Software: Infinity 4.3.1

Customer Details

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

Master Coordinate System

Coordinate System Name: None
Transformation Type: -
Residual Distribution: -
Ellipsoid: -
Projection Type: -
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: 231,3 MB
Comments: -

Baseline FGG4 - FGG2

Processing Parameters (07.10.2025 11:09:53 - 07.10.2025 15:11:14)

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: FGG4 - FGG2

Acquisition

Start Time - End Time: 07.10.2025 11:10:02 - 07.10.2025 15:07:22

Duration: 03:57:20

Antennas

	Reference - FGG4	Rover - FGG2
Receiver Name / SN:	LEICA GS18 / 3604685	LEICA GS18 / 3604729
Antenna Name / SN:	LEIGS18 / -	LEIGS18 / -
Carrier Offset:	-	-
Height Reading:	0,15000 m	0,15000 m
Antenna Height:	0,15000 m	0,15000 m

Phase Center Offset

	Reference - LEIGS18		Rover - LEIGS18	
GPS	L1	L2	L1	L2
East	-0,00028 m	0,00244 m	-0,00028 m	0,00244 m
North	-0,00100 m	-0,00049 m	-0,00100 m	-0,00049 m
Up	0,09991 m	0,10744 m	0,09991 m	0,10744 m

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

Coordinates

	Reference - FGG4	Rover - FGG2		Reference - FGG4	Rover - FGG2
Point Role:	Navigated RTK	Fixed PP			
WGS84 Latitude:	46,04556402° N	46,04599712° N	Easting:	-	-
WGS84 Longitude:	14,49463227° E	14,49527173° E	Northing:	-	-
WGS84 Ellip. Height:	367,77376 m	367,78210 m	Ortho. Height:	-	-
WGS84 Cartesian X:	4.293.771,85980 m	4.293.725,92164 m			
WGS84 Cartesian Y:	1.110.015,75230 m	1.110.054,99963 m			
WGS84 Cartesian Z:	4.569.028,96110 m	4.569.062,38279 m			

Baseline Vector and Quality - WGS84

ΔLatitude:	0,00043311°	SD ΔLatitude:	0,00003 m
ΔLongitude:	0,00063945°	SD ΔLongitude:	0,00002 m
ΔHeight:	0,00834 m	SD ΔHeight:	0,00006 m
ΔX:	-45,93816 m	SD ΔX:	0,00005 m
ΔY:	39,24733 m	SD ΔY:	0,00002 m
ΔZ:	33,42169 m	SD ΔZ:	0,00005 m
Slope Dist.:	69,04836 m	SD Slope Dist.:	0,00003 m

M0:	0,20602 m	CQ 1D:	0,00006 m
Q11:	0,00000006	CQ 2D:	0,00004 m
Q12:	0,00000001	CQ 3D:	0,00007 m
Q22:	0,00000001		
Q13:	0,00000003		
Q23:	0,00000001		
Q33:	0,00000005		

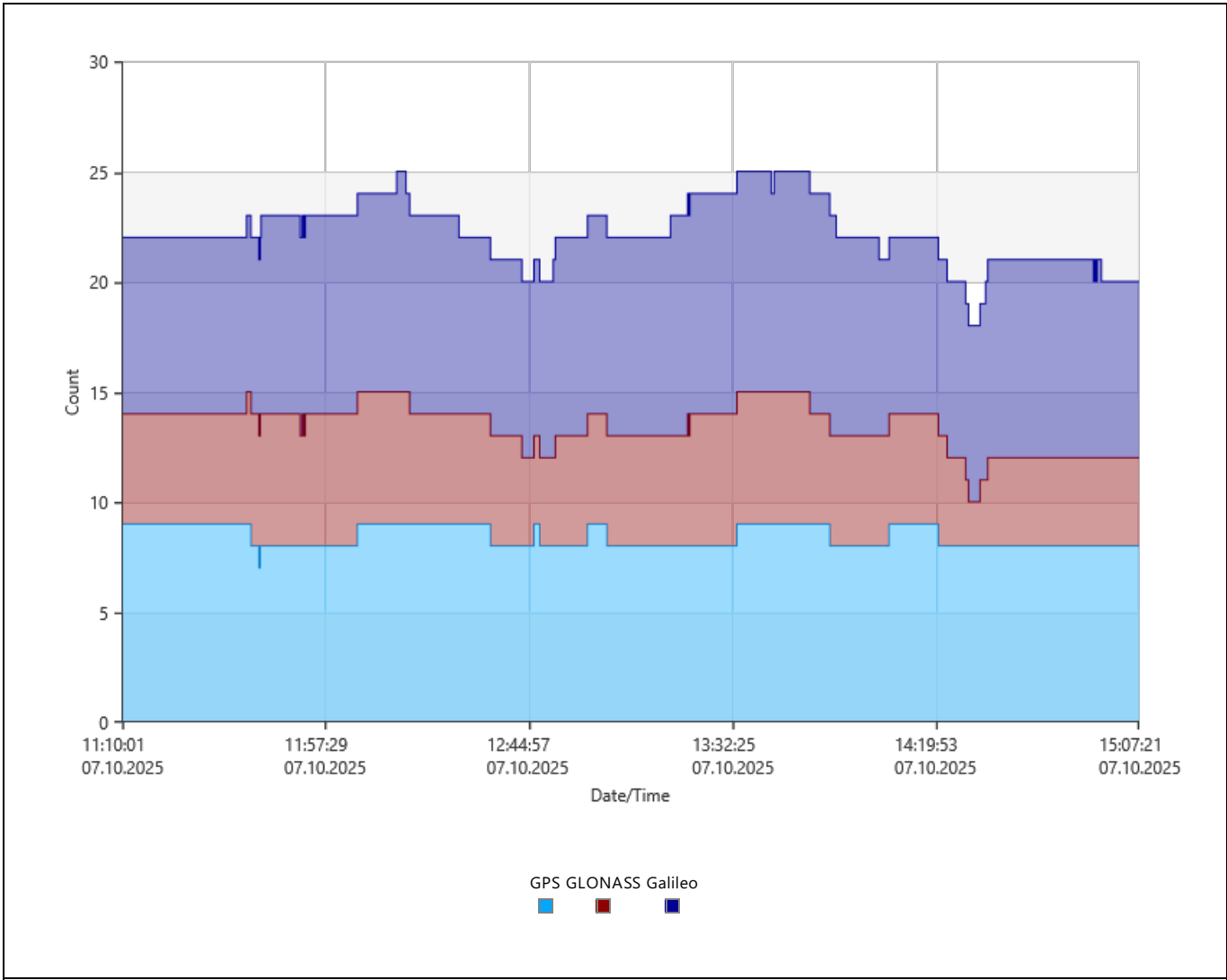
Frequency:	L1/E1/L2/L5/E5a/E5b/E5ab	GDOP:	1,3 - 2,6	GPS SVs:	9/9
Solution Optimisation:	None	PDOP:	0,9 - 1,6	GLONASS SVs:	6/6
Solution Type:	Phase Fixed	HDOP:	0,5 - 0,8	Beidou SVs:	-
		VDOP:	0,8 - 1,4	Galileo SVs:	10/10
				QZSS SVs:	-

Ephemeris Type:	
GPS	Precise
GLONASS	Precise
Galileo	Precise

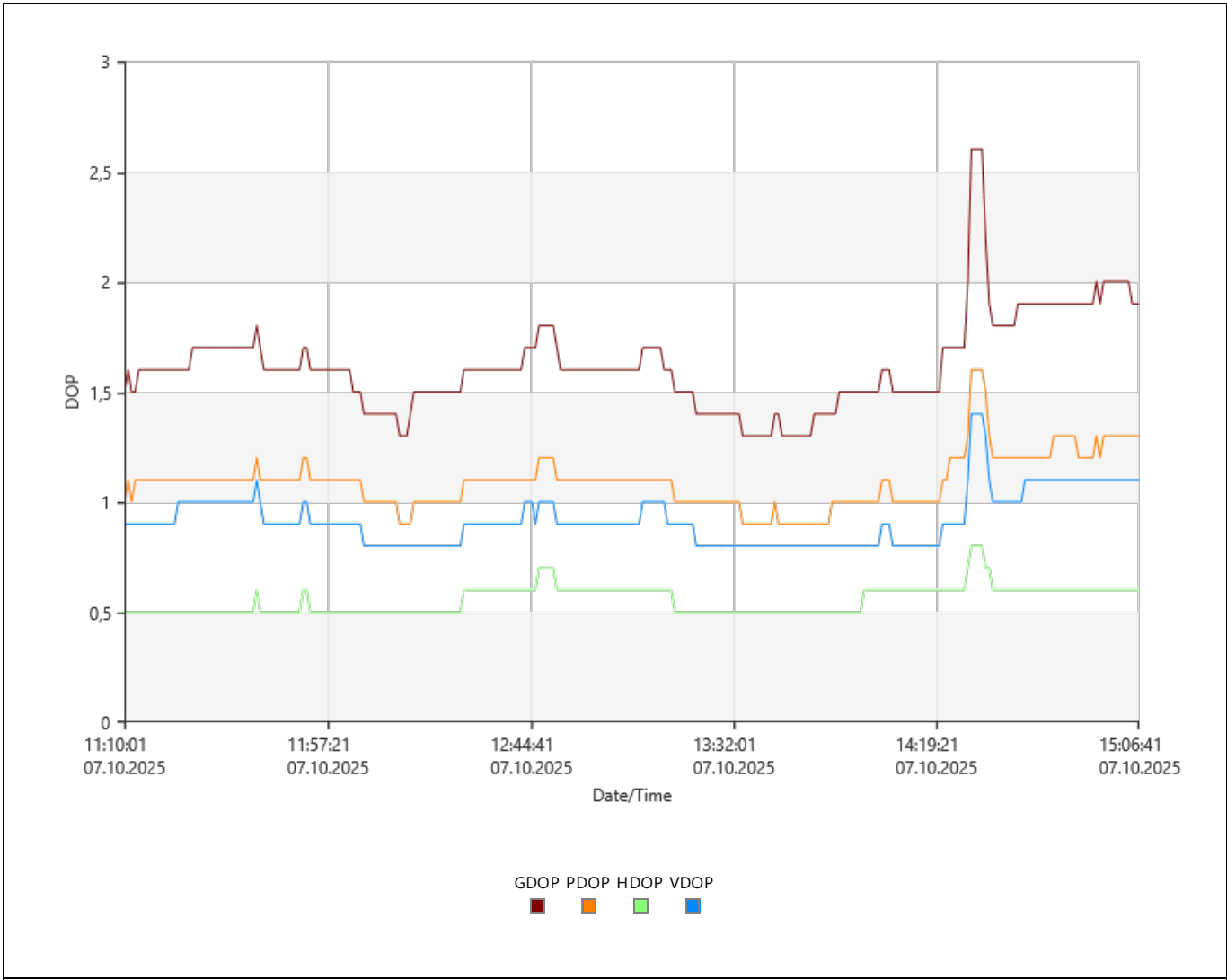
Processing Info (07.10.2025 11:09:53 - 07.10.2025 15:11:14)

Processed Date/Time: 24.11.2025 11:45:45

SVs Tracked



DOP



Ambiguity Statistics

Number of Ambiguities	GPS	GLONASS	Beidou	Galileo
Fixed	52	28	0	95
Total	68	37	0	114
Independently fixed	1.781	1.781	0	1.781
Possible independently fixed	1.781	1.781	1.781	1.781

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	99,94	99,96	99,98	99,98	99,98	99,98
Not fixed	0,03	0,03	0,00	0,04	0,02	0,02	0,02	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	0,02	0,02	0,00	0,00	0,00	0,00

Status	From Epoch	To Epoch	Duration
Fixed	07.10.2025 11:10:02	07.10.2025 15:07:22	03:57:20