

# GNSS Processing Report - Summary

Report created: 26.03.2025 14:59:16

## Project Details

### General

Project Name: GvG-V03-stirikotnik  
Owner: -  
Lead Surveyor: Ritlop, Klemen  
Date Created: 25.03.2025 13:03:24  
Last Accessed: 26.03.2025 14:58:55  
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\1\_GIG\2\_letnik\GNSS\_v\_geodeziji\1\_vaje\2024-2025\1\_vaje\V03 - Izravnava GNSS m  
reze\GvG-V03-stirikotnik\GvG-V03-stirikotnik.iprj  
Size: 350,2 MB  
Comments: -

## Baseline FGG1 - FGG3

### Processing Parameters (20.02.2025 10:59:42 - 20.02.2025 15:59:41)

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 Ionospheric 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 Ionospheric 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 - FGG3

### Acquisition

Start Time - End Time: 20.02.2025 11:20:36 - 20.02.2025 15:59:41  
Duration: 04:39:05

Antennas

	Reference - FGG1	Rover - FGG3
Receiver Name / SN:	LEICA GS18 / 3604728	Alloy / 6041R40070
Antenna Name / SN:	LEIGS18 / -	TRM115000.00 TZGD / 383G0048
Carrier Offset:	-	-
Height Reading:	0,15000 m	0,54950 m
Antenna Height:	0,15000 m	0,54950 m

Phase Center Offset

	Reference - LEIGS18		Rover - TRM115000.00 TZGD	
GPS	L1	L2	L1	L2
East	-0,00028 m	0,00244 m	-0,00002 m	0,00021 m
North	-0,00100 m	-0,00049 m	0,00063 m	0,00071 m
Up	0,09991 m	0,10744 m	0,06443 m	0,05730 m

GLONASS	L1	L2	L1	L2
East	-0,00028 m	0,00244 m	-0,00002 m	0,00021 m
North	-0,00100 m	-0,00049 m	0,00063 m	0,00071 m
Up	0,09991 m	0,10744 m	0,06443 m	0,05730 m

Coordinates

	Reference - FGG1	Rover - FGG3		Reference - FGG1	Rover - FGG3
Point Role:	Navigated RTK	Fixed PP			
WGS84 Latitude:	46,04574109° N	46,04580787° N	Easting:	460.879,90498 m	460.948,67505 m
WGS84 Longitude:	14,49451800° E	14,49540599° E	Northing:	100.784,24260 m	100.791,22831 m
WGS84 Ellip. Height:	371,73346 m	371,70984 m	Ortho. Height:	325,25755 m	325,23438 m
WGS84 Cartesian X:	4.293.763,01570 m	4.293.740,62240 m			
WGS84 Cartesian Y:	1.110.004,33010 m	1.110.069,53459 m			
WGS84 Cartesian Z:	4.569.045,47350 m	4.569.050,60867 m			

Baseline Vector and Quality - WGS84

ΔLatitude:	0,00006678°	SD ΔLatitude:	0,00002 m
ΔLongitude:	0,00088799°	SD ΔLongitude:	0,00001 m
ΔHeight:	-0,02362 m	SD ΔHeight:	0,00003 m
ΔX:	-22,39330 m	SD ΔX:	0,00003 m
ΔY:	65,20449 m	SD ΔY:	0,00001 m
ΔZ:	5,13517 m	SD ΔZ:	0,00003 m
Slope Dist.:	69,13360 m	SD Slope Dist.:	0,00001 m

M0:	0,39060 m	CQ 1D:	0,00003 m
Q11:	0,00000000	CQ 2D:	0,00002 m
Q12:	0,00000000	CQ 3D:	0,00004 m
Q22:	0,00000000		
Q13:	0,00000000		
Q23:	0,00000000		
Q33:	0,00000000		

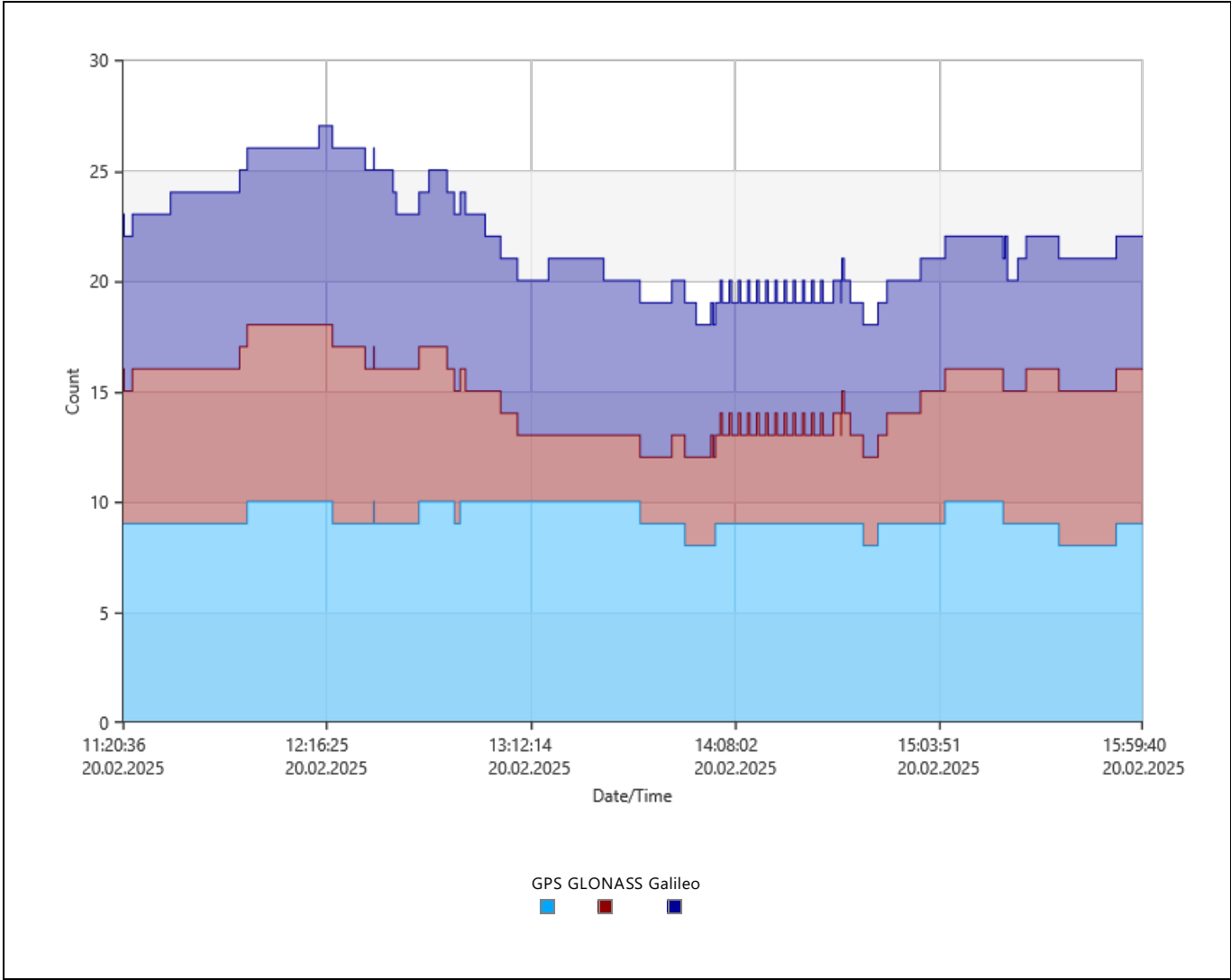
Frequency:	L1/E1/L2/L5/E5a/E5b/E5ab	GDOP:	1,2 - 2,1	GPS SVs:	10/10
Solution Optimisation:	None	PDOP:	0,9 - 1,4	GLONASS SVs:	8/8
Solution Type:	Phase Fixed	HDOP:	0,5 - 0,7	Beidou SVs:	-
		VDOP:	0,7 - 1,2	Galileo SVs:	9/9
				QZSS SVs:	-

Ephemeris Type:	
GPS	Precise
GLONASS	Precise
Galileo	Precise

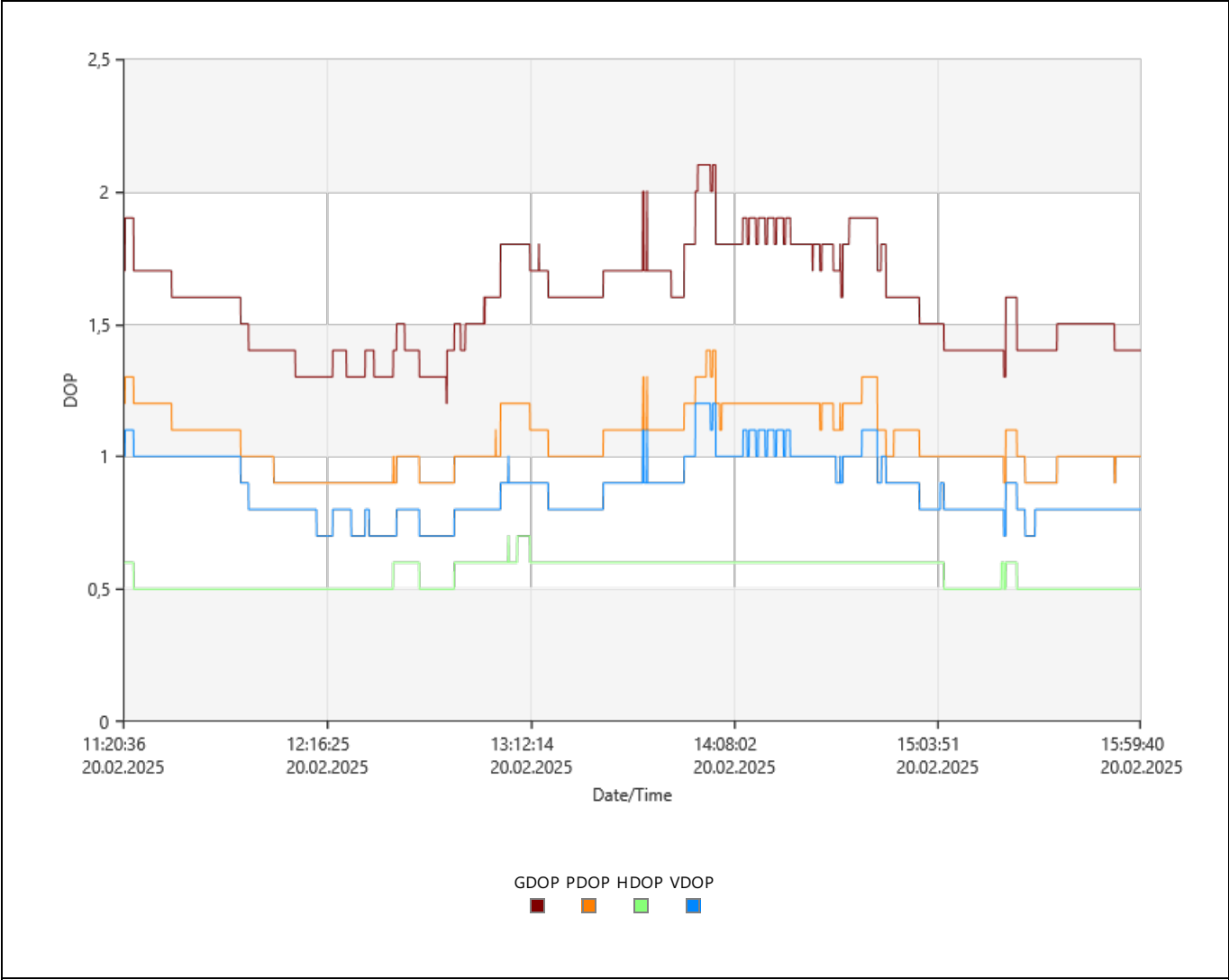
Processing Info (20.02.2025 10:59:42 - 20.02.2025 15:59:41)

Processed Date/Time: 25.03.2025 15:03:15

SVs Tracked



DOP



Ambiguity Statistics

Number of Ambiguities	GPS	GLONASS	Beidou	Galileo
Fixed	55	61	0	124
Total	58	65	0	144
Independently fixed	2.093	2.093	0	2.093
Possible independently fixed	2.093	2.093	2.093	2.093

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	100,00	100,00	99,99	99,97	99,96	99,97
Not fixed	0,00	0,00	0,00	0,00	0,00	0,01	0,03	0,04	0,03
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	20.02.2025 11:20:36	20.02.2025 15:59:41	04:39:05