

# GNSS Processing Report - Summary

Report created: 26.03.2025 15:01:25

## 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 FGG4 - FGG2

### Processing Parameters (20.02.2025 11:19:22 - 20.02.2025 16:11:57)

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: FGG4 - FGG2

### Acquisition

Start Time - End Time: 20.02.2025 11:19:22 - 20.02.2025 16:00:57  
Duration: 04:41:35

Antennas

	Reference - FGG4	Rover - FGG2
Receiver Name / SN:	LEICA GS15 / 1500617	LEICA GS15 / 1500509
Antenna Name / SN:	LEIGS15 / -	LEIGS15 / -
Carrier Offset:	-	-
Height Reading:	0,15000 m	0,15000 m
Antenna Height:	0,15000 m	0,15000 m

Phase Center Offset

	Reference - LEIGS15		Rover - LEIGS15	
GPS	L1	L2	L1	L2
East	-0,00033 m	0,00222 m	-0,00033 m	0,00222 m
North	-0,00066 m	-0,00008 m	-0,00066 m	-0,00008 m
Up	0,19994 m	0,19831 m	0,19994 m	0,19831 m

GLONASS	L1	L2	L1	L2
East	-0,00033 m	0,00222 m	-0,00033 m	0,00222 m
North	-0,00066 m	-0,00008 m	-0,00066 m	-0,00008 m
Up	0,19994 m	0,19831 m	0,19994 m	0,19831 m

Coordinates

	Reference - FGG4	Rover - FGG2		Reference - FGG4	Rover - FGG2
Point Role:	Navigated RTK	Fixed PP			
WGS84 Latitude:	46,04555654° N	46,04598964° N	Easting:	460.889,33259 m	460.939,12824 m
WGS84 Longitude:	14,49464150° E	14,49528098° E	Northing:	100.763,67034 m	100.811,49229 m
WGS84 Ellip. Height:	369,18564 m	369,19226 m	Ortho. Height:	322,71005 m	322,71647 m
WGS84 Cartesian X:	4.293.773,20940 m	4.293.727,26956 m			
WGS84 Cartesian Y:	1.110.016,83900 m	1.110.056,08786 m			
WGS84 Cartesian Z:	4.569.029,40030 m	4.569.062,82079 m			

Baseline Vector and Quality - WGS84

ΔLatitude:	0,00043311°	SD ΔLatitude:	0,00001 m
ΔLongitude:	0,00063948°	SD ΔLongitude:	0,00001 m
ΔHeight:	0,00662 m	SD ΔHeight:	0,00002 m
ΔX:	-45,93984 m	SD ΔX:	0,00001 m
ΔY:	39,24886 m	SD ΔY:	0,00001 m
ΔZ:	33,42049 m	SD ΔZ:	0,00001 m
Slope Dist.:	69,04977 m	SD Slope Dist.:	0,00001 m

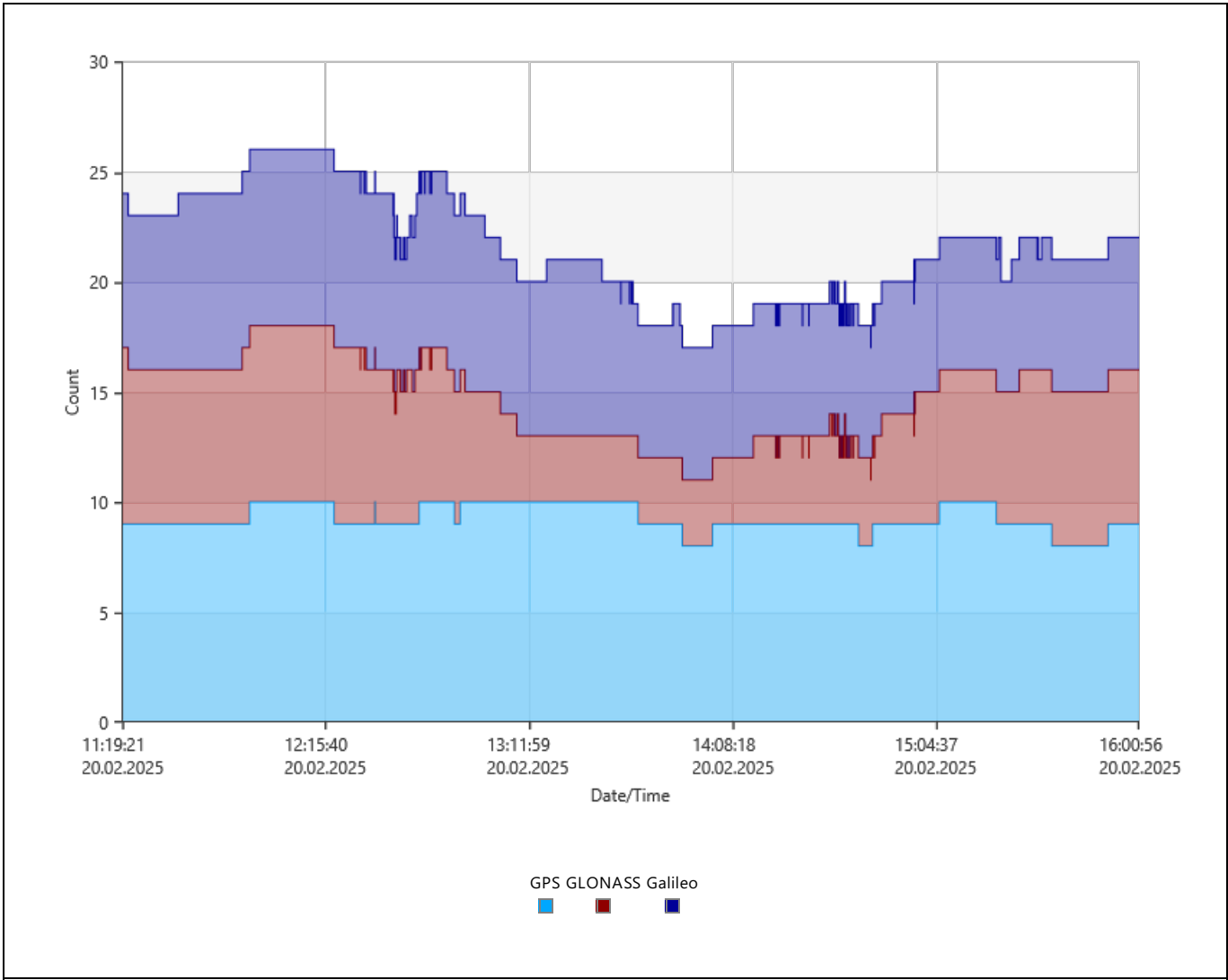
M0:	0,19434 m	CQ 1D:	0,00002 m
Q11:	0,00000000	CQ 2D:	0,00001 m
Q12:	0,00000000	CQ 3D:	0,00002 m
Q22:	0,00000000		
Q13:	0,00000000		
Q23:	0,00000000		
Q33:	0,00000000		

Frequency:	L1/E1/L2/L5/E5a/E5b/E5ab	GDOP:	1,2 - 2,3	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 - 1,3	Galileo SVs:	8/8
				QZSS SVs:	-
Ephemeris Type:					
GPS	Precise				
GLONASS	Precise				
Galileo	Precise				

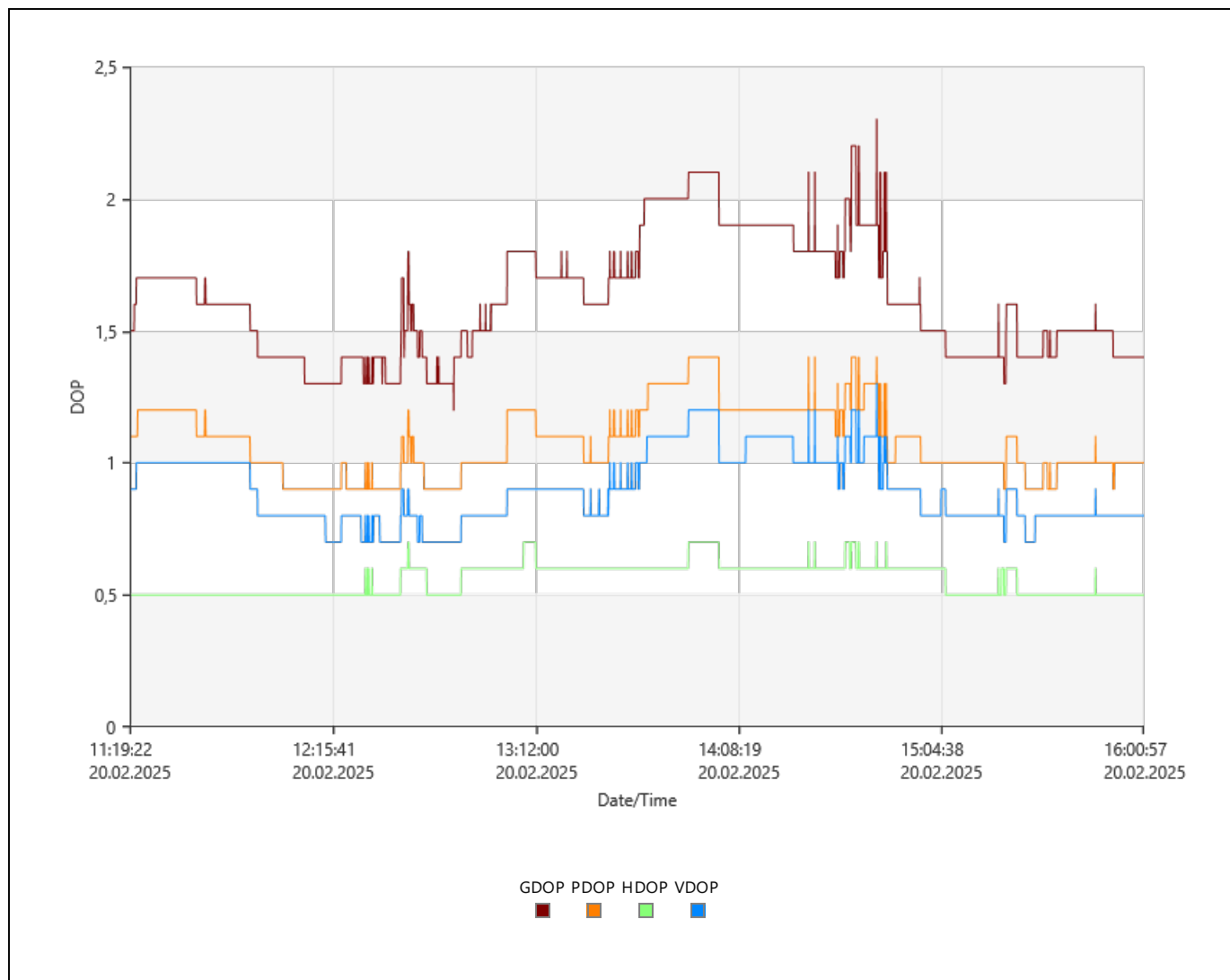
Processing Info (20.02.2025 11:19:22 - 20.02.2025 16:11:57)

Processed Date/Time: 25.03.2025 15:06:44

SVs Tracked



DOP



## Ambiguity Statistics

Number of Ambiguities	GPS	GLONASS	Galileo
Fixed	53	86	113
Total	58	109	127
Independently fixed	2.112	2.112	2.112
Possible independently fixed	2.112	2.112	2.112

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	99,98	99,91	99,91	100,00	91,39	100,00	100,00
Not fixed	0,00	0,00	0,02	0,09	0,09	0,00	8,59	0,00	0,00
Not fixed - contradiction	0,00	0,00	0,00	0,00	0,00	0,00	0,02	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 11:19:22	20.02.2025 16:00:57	04:41:35