

GNSS Processing Report - Summary

Report created: 26.03.2025 15:00:31

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 FGG2 - 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: FGG2 - FGG3

Acquisition

Start Time - End Time: 20.02.2025 11:19:22 - 20.02.2025 15:59:41
Duration: 04:40:19

Antennas

	Reference - FGG2	Rover - FGG3
Receiver Name / SN:	LEICA GS15 / 1500509	Alloy / 6041R40070
Antenna Name / SN:	LEIGS15 / -	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 - LEIGS15		Rover - TRM115000.00 TZGD	
GPS	L1	L2	L1	L2
East	-0,00033 m	0,00222 m	-0,00002 m	0,00021 m
North	-0,00066 m	-0,00008 m	0,00063 m	0,00071 m
Up	0,19994 m	0,19831 m	0,06443 m	0,05730 m

GLONASS	L1	L2	L1	L2
East	-0,00033 m	0,00222 m	-0,00002 m	0,00021 m
North	-0,00066 m	-0,00008 m	0,00063 m	0,00071 m
Up	0,19994 m	0,19831 m	0,06443 m	0,05730 m

Coordinates

	Reference - FGG2	Rover - FGG3		Reference - FGG2	Rover - FGG3
Point Role:	Navigated RTK	Fixed PP			
WGS84 Latitude:	46,04598392° N	46,04580088° N	Easting:	460.939,05846 m	460.948,53260 m
WGS84 Longitude:	14,49528013° E	14,49540422° E	Northing:	100.810,85689 m	100.790,45263 m
WGS84 Ellip. Height:	369,84623 m	369,81413 m	Ortho. Height:	323,37044 m	323,33868 m
WGS84 Cartesian X:	4.293.728,16870 m	4.293.739,92426 m			
WGS84 Cartesian Y:	1.110.056,25240 m	1.110.069,21203 m			
WGS84 Cartesian Z:	4.569.062,85020 m	4.569.048,70488 m			

Baseline Vector and Quality - WGS84

ΔLatitude:	-0,00018304°	SD ΔLatitude:	0,00002 m
ΔLongitude:	0,00012409°	SD ΔLongitude:	0,00001 m
ΔHeight:	-0,03209 m	SD ΔHeight:	0,00003 m
ΔX:	11,75556 m	SD ΔX:	0,00002 m
ΔY:	12,95963 m	SD ΔY:	0,00001 m
ΔZ:	-14,14532 m	SD ΔZ:	0,00002 m
Slope Dist.:	22,49967 m	SD Slope Dist.:	0,00001 m

M0:	0,35431 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		

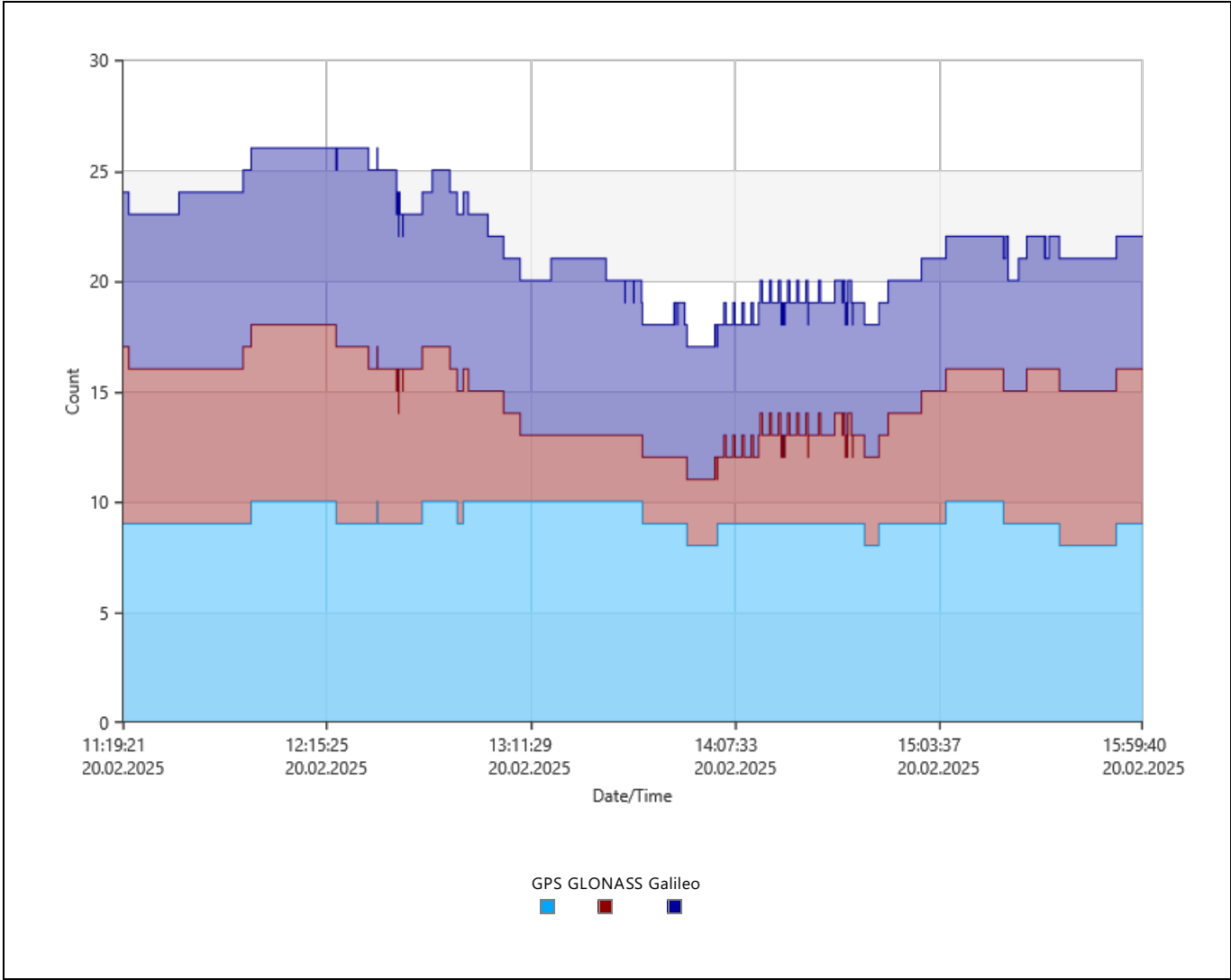
Frequency:	L1/E1/L2/L5/E5a/E5b/E5ab	GDOP:	1,2 - 2,2	GPS SVs:	10/10
Solution Optimisation:	None	PDOP:	0,9 - 1,4	GLONASS SVs:	8/8
Solution Type:	Phase Fixed	HDOP:	0,5 - 0,7	Beidou SVs:	-
		VDOP:	0,7 - 1,2	Galileo SVs:	9/9
				QZSS SVs:	-

Ephemeris Type:	
GPS	Precise
GLONASS	Precise
Galileo	Precise

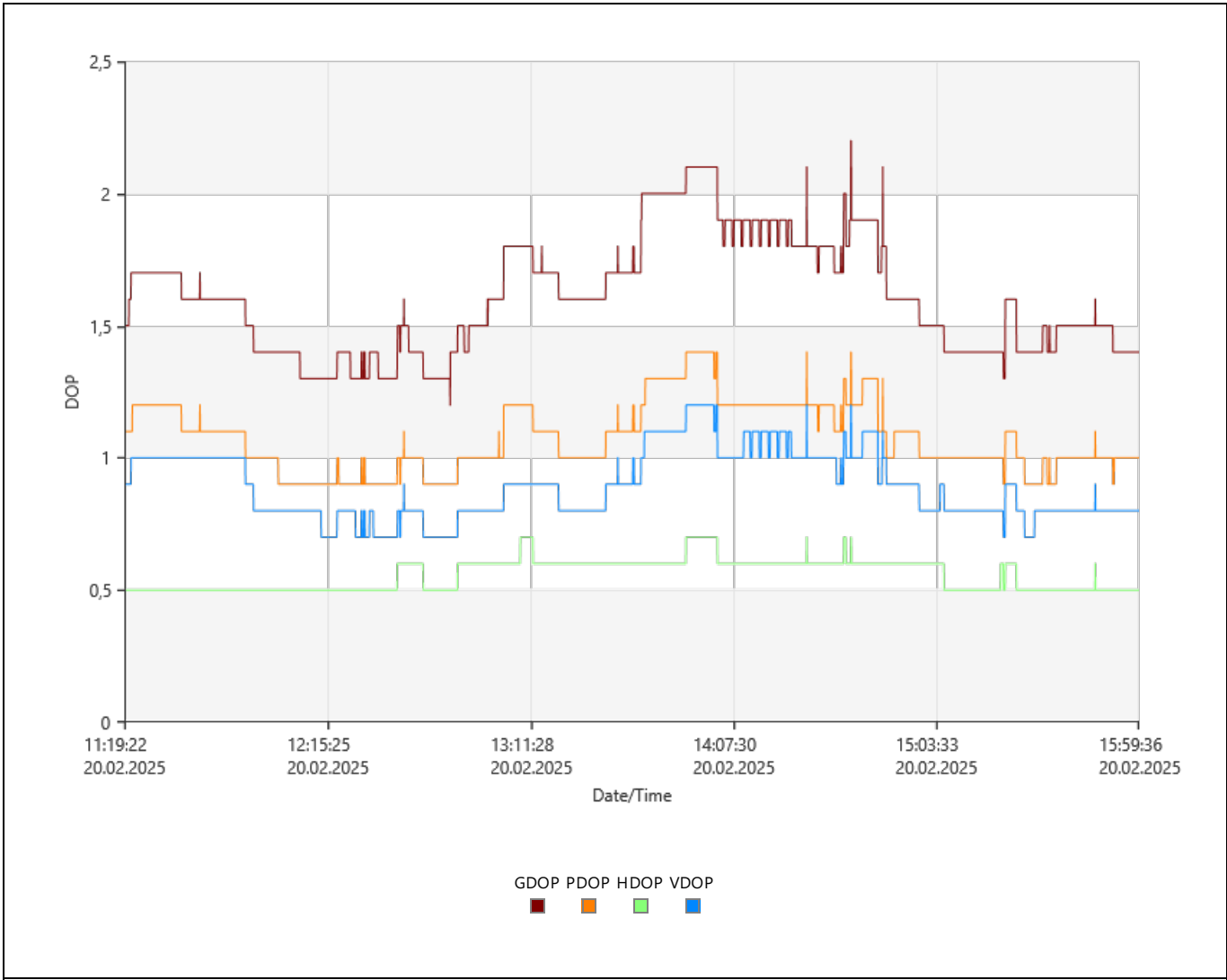
Processing Info (20.02.2025 10:59:42 - 20.02.2025 15:59:41)

Processed Date/Time: 25.03.2025 15:04:49

SVs Tracked



DOP



Ambiguity Statistics

Number of Ambiguities	GPS	GLONASS	Beidou	Galileo
Fixed	58	81	0	106
Total	63	93	0	119
Independently fixed	2.102	2.102	0	2.102
Possible independently fixed	2.102	2.102	2.102	2.102

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	99,96	99,96	99,99	99,98	99,99	99,99
Not fixed	0,00	0,00	0,02	0,04	0,04	0,01	0,02	0,01	0,01
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 11:19:22	20.02.2025 15:59:41	04:40:19