

GNSS Processing Report - Summary

Report created: 26.03.2025 15:01:47

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 - FGG1

Processing Parameters (20.02.2025 11:20:36 - 20.02.2025 16:02:16)

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 - FGG1

Acquisition

Start Time - End Time: 20.02.2025 11:20:36 - 20.02.2025 16:00:57
Duration: 04:40:21

Antennas

	Reference - FGG4	Rover - FGG1
Receiver Name / SN:	LEICA GS15 / 1500617	LEICA GS18 / 3604728
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	-0,00033 m	0,00222 m	-0,00028 m	0,00244 m
North	-0,00066 m	-0,00008 m	-0,00100 m	-0,00049 m
Up	0,19994 m	0,19831 m	0,09991 m	0,10744 m

GLONASS	L1	L2	L1	L2
East	-0,00033 m	0,00222 m	-0,00028 m	0,00244 m
North	-0,00066 m	-0,00008 m	-0,00100 m	-0,00049 m
Up	0,19994 m	0,19831 m	0,09991 m	0,10744 m

Coordinates

	Reference - FGG4	Rover - FGG1		Reference - FGG4	Rover - FGG1
Point Role:	Navigated RTK	Fixed PP			
WGS84 Latitude:	46,04555654° N	46,04573982° N	Easting:	460.889,33259 m	460.879,83220 m
WGS84 Longitude:	14,49464150° E	14,49451707° E	Northing:	100.763,67034 m	100.784,10220 m
WGS84 Ellip. Height:	369,18564 m	369,18364 m	Ortho. Height:	322,71005 m	322,70773 m
WGS84 Cartesian X:	4.293.773,20940 m	4.293.761,41842 m			
WGS84 Cartesian Y:	1.110.016,83900 m	1.110.003,84291 m			
WGS84 Cartesian Z:	4.569.029,40030 m	4.569.043,54011 m			

Baseline Vector and Quality - WGS84

ΔLatitude:	0,00018329°	SD ΔLatitude:	0,00001 m
ΔLongitude:	-0,00012443°	SD ΔLongitude:	0,00001 m
ΔHeight:	-0,00200 m	SD ΔHeight:	0,00002 m
ΔX:	-11,79098 m	SD ΔX:	0,00002 m
ΔY:	-12,99609 m	SD ΔY:	0,00001 m
ΔZ:	14,13981 m	SD ΔZ:	0,00002 m
Slope Dist.:	22,53574 m	SD Slope Dist.:	0,00001 m

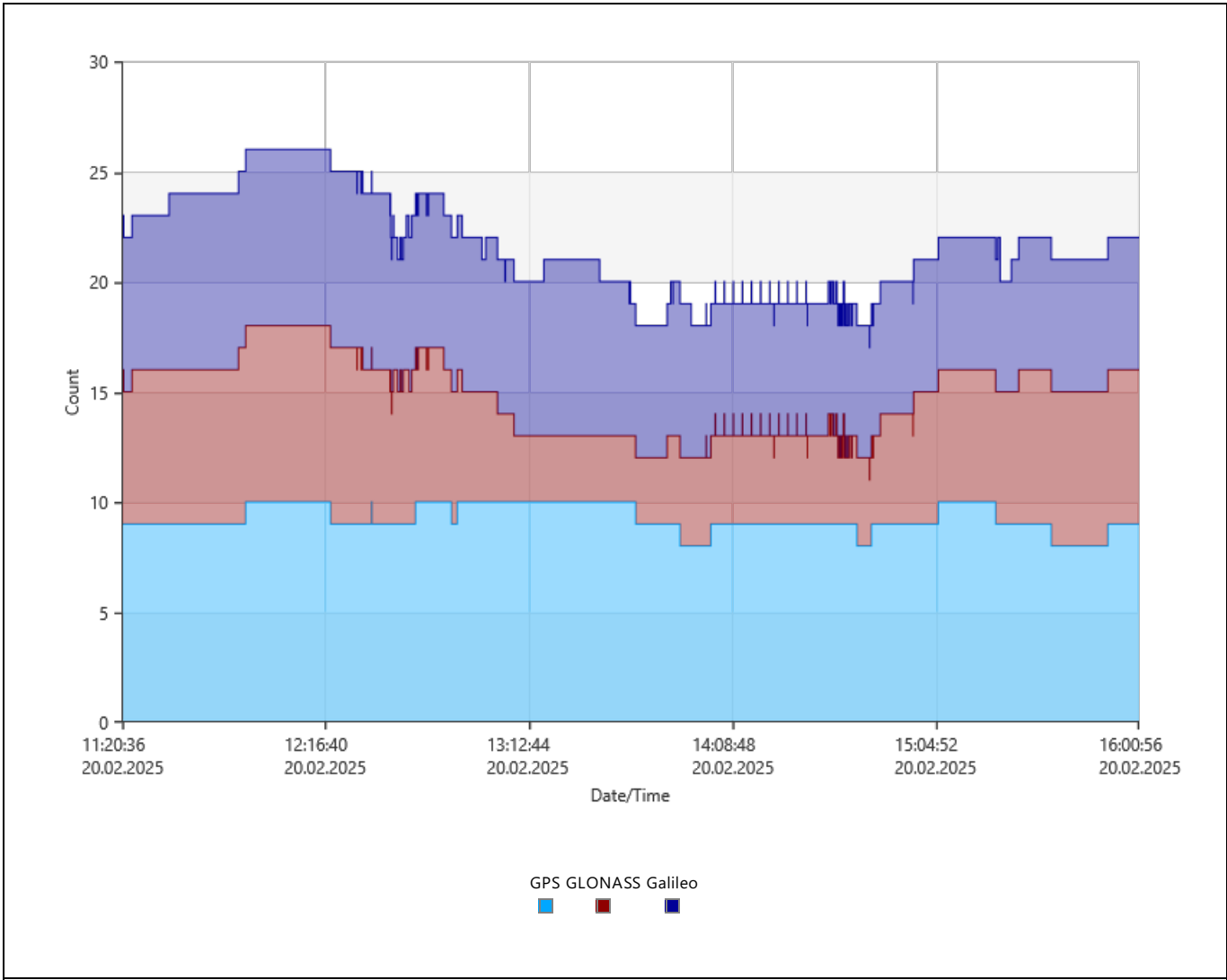
M0:	0,26783 m	CQ 1D:	0,00002 m
Q11:	0,00000000	CQ 2D:	0,00001 m
Q12:	0,00000000	CQ 3D:	0,00003 m
Q22:	0,00000000		
Q13:	0,00000000		
Q23:	0,00000000		
Q33:	0,00000000		

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				

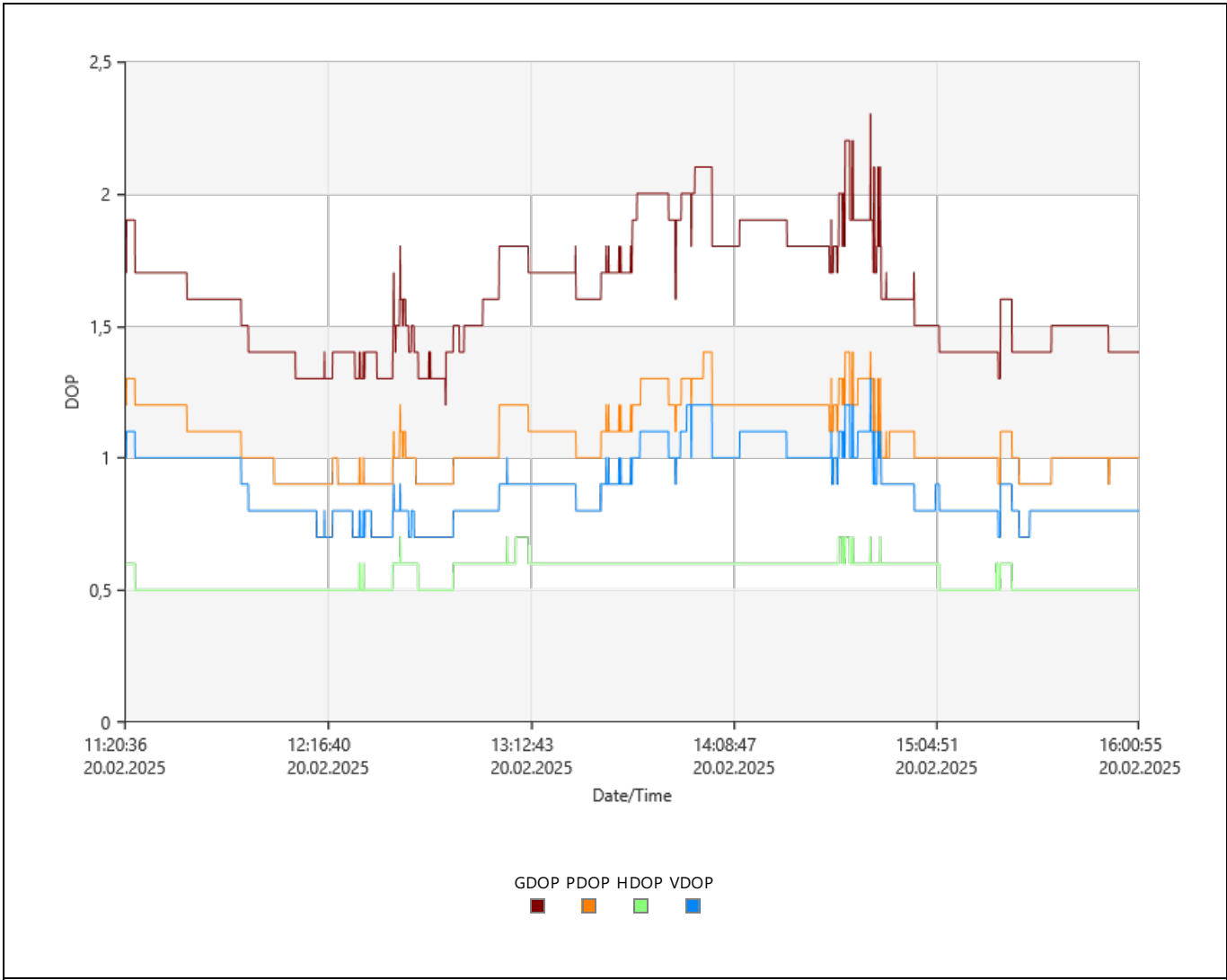
Processing Info (20.02.2025 11:20:36 - 20.02.2025 16:02:16)

Processed Date/Time: 25.03.2025 15:06:44

SVs Tracked



DOP



Ambiguity Statistics

Number of Ambiguities	GPS	GLONASS	Beidou	Galileo
Fixed	45	86	0	109
Total	46	116	0	128
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	100,00	99,91	99,96	100,00	91,38	99,99	99,99
Not fixed	0,00	0,00	0,00	0,09	0,04	0,00	8,62	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 11:20:36	20.02.2025 16:00:57	04:40:21