

GNSS Processing Report - Summary

Report created: 17.11.2024 20:58:16

Project Details

General

Project Name: SPGI-V03-stirikotnik
Owner: -
Lead Surveyor: Ritlop, Klemen
Date Created: 17.11.2024 20:36:38
Last Accessed: 17.11.2024 20:41:59
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\3_GIUN\2_letnik\Satelitsko_podprta_geodetska_izmera\1_vaje\2024-2025\1_vaje\V03 - Izravnava GNSS mreze\D0 - obdelava opazovanj\SPGI-V03-stirikotnik\SPGI-V03-stirikotnik.iprj
Size: 311,0 MB
Comments: -

Baseline T007 - FGG3

Processing Parameters (09.10.2024 09:59:42 - 09.10.2024 13:59:41)

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 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: T007 - FGG3

Acquisition

Start Time - End Time: 09.10.2024 10:47:47 - 09.10.2024 13:32:08
Duration: 02:44:21

Antennas

	Reference - T007	Rover - FGG3
Receiver Name / SN:	LEICA GS18 / 3604728	Alloy / 6041R40070
Antenna Name / SN:	LEIGS18 / -	TRM115000.00 TZGD / 383G0048
Carrier Offset:	-	-
Height Reading:	1,4900 m	0,5495 m
Antenna Height:	1,4900 m	0,5495 m

Phase Center Offset

	Reference - LEIGS18		Rover - TRM115000.00 TZGD	
GPS	L1	L2	L1	L2
East	-0,0003 m	0,0024 m	0,0000 m	0,0002 m
North	-0,0010 m	-0,0005 m	0,0006 m	0,0007 m
Up	0,0999 m	0,1074 m	0,0644 m	0,0573 m

GLONASS	L1	L2	L1	L2
East	-0,0003 m	0,0024 m	0,0000 m	0,0002 m
North	-0,0010 m	-0,0005 m	0,0006 m	0,0007 m
Up	0,0999 m	0,1074 m	0,0644 m	0,0573 m

Coordinates

	Reference - T007	Rover - FGG3		Reference - T007	Rover - FGG3
Point Role:	Navigated RTK	Fixed PP			
WGS84 Latitude:	46,04595908° N	46,04581881° N	Easting:	460.935,8245 m	460.948,5670 m
WGS84 Longitude:	14,49523857° E	14,49540450° E	Northing:	100.808,1164 m	100.792,4449 m
WGS84 Ellip. Height:	366,4140 m	367,7954 m	Ortho. Height:	319,9383 m	321,3199 m
WGS84 Cartesian X:	4.293.728,5921 m	4.293.737,1734 m			
WGS84 Cartesian Y:	1.110.053,0391 m	1.110.068,5233 m			
WGS84 Cartesian Z:	4.569.058,4628 m	4.569.048,6348 m			

Baseline Vector and Quality - WGS84

ΔLatitude:	-0,00014027°	SD ΔLatitude:	0,0000 m
ΔLongitude:	0,00016593°	SD ΔLongitude:	0,0000 m
ΔHeight:	1,3814 m	SD ΔHeight:	0,0001 m
ΔX:	8,5813 m	SD ΔX:	0,0001 m
ΔY:	15,4842 m	SD ΔY:	0,0000 m
ΔZ:	-9,8280 m	SD ΔZ:	0,0000 m
Slope Dist.:	20,2482 m	SD Slope Dist.:	0,0000 m

M0:	0,5581 m	CQ 1D:	0,0001 m
Q11:	0,00000001	CQ 2D:	0,0000 m
Q12:	0,00000000	CQ 3D:	0,0001 m
Q22:	0,00000000		
Q13:	0,00000000		
Q23:	0,00000000		
Q33:	0,00000001		

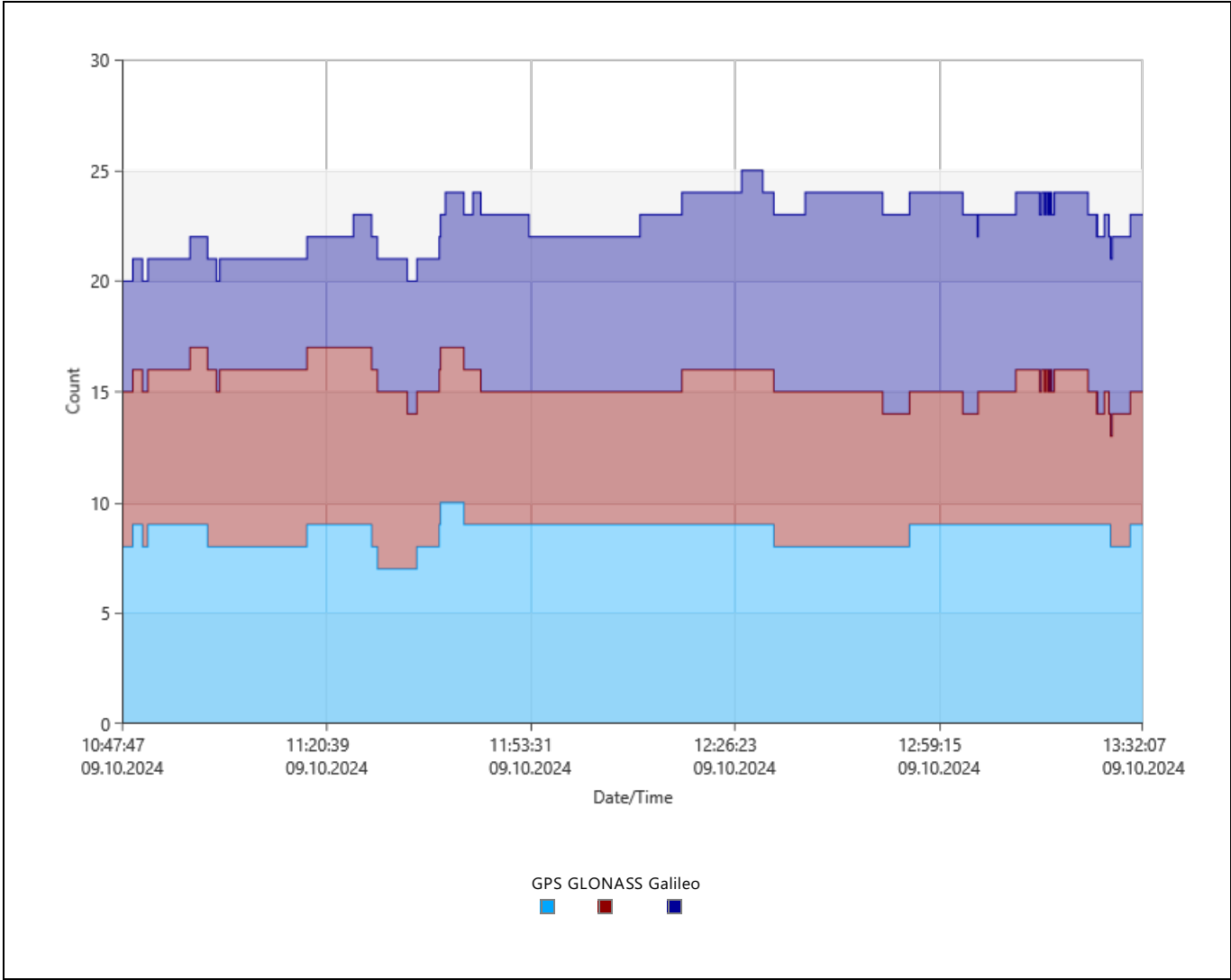
Frequency:	L1/E1/L2/L5/E5a/E5b/E5ab	GDOP:	1,3 - 1,7	GPS SVs:	10/10
Solution Optimisation:	None	PDOP:	0,9 - 1,2	GLONASS SVs:	8/8
Solution Type:	Phase Fixed	HDOP:	0,5 - 0,6	Beidou SVs:	-
		VDOP:	0,7 - 1,0	Galileo SVs:	9/9
				QZSS SVs:	-

Ephemeris Type:	
GPS	Precise
GLONASS	Precise
Galileo	Precise

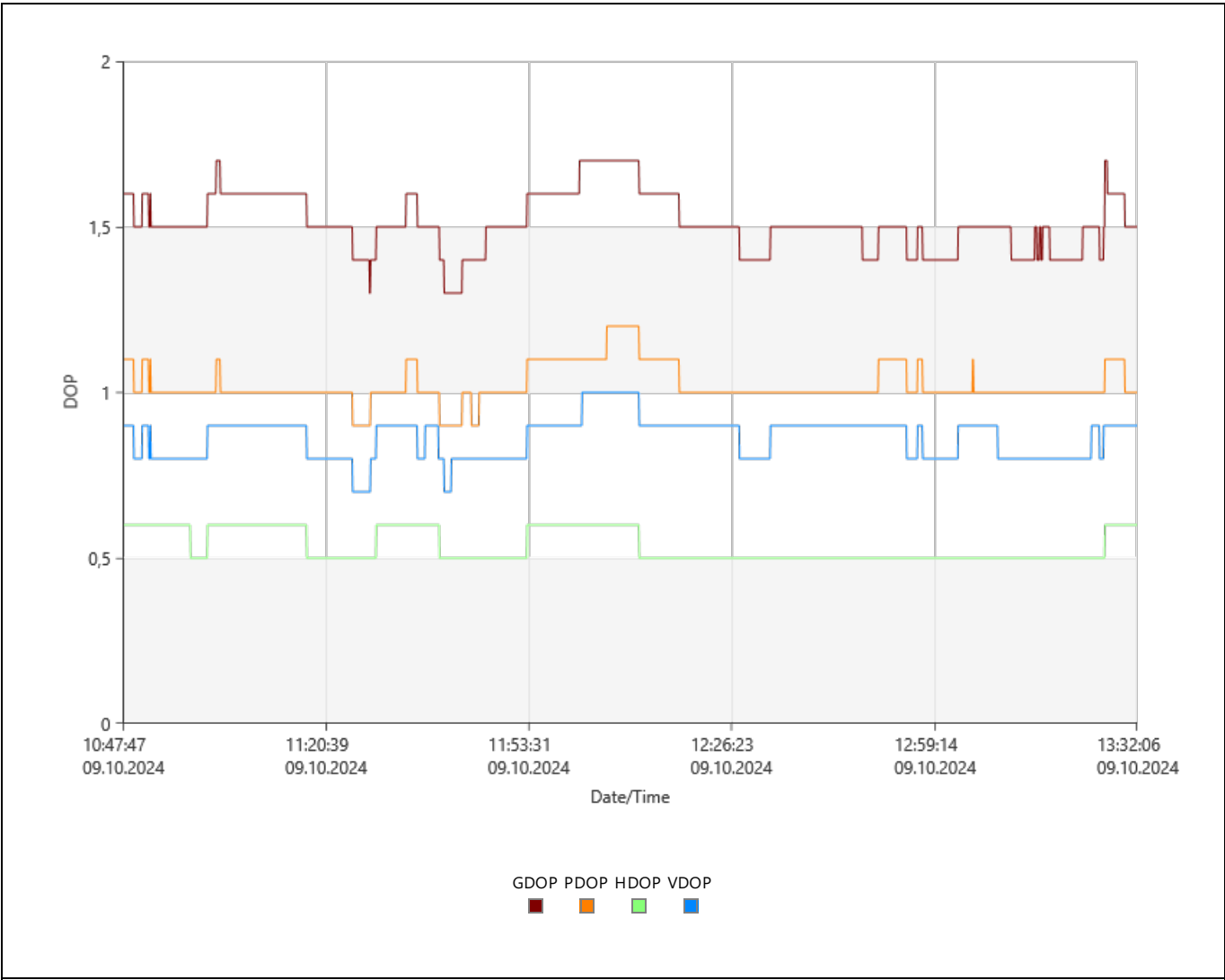
Processing Info (09.10.2024 09:59:42 - 09.10.2024 13:59:41)

Processed Date/Time: 17.11.2024 20:58:07

SVs Tracked



DOP



Ambiguity Statistics

Number of Ambiguities	GPS	GLONASS	Beidou	Galileo
Fixed	54	35	0	49
Total	73	41	0	53
Independently fixed	1.233	1.233	0	1.233
Possible independently fixed	1.233	1.233	1.233	1.233

Average time between independent fixes: 00:00:06

% of Epochs	GPS			GLONASS		Galileo			
	L1 [%]	L2 [%]	L5 [%]	L1 [%]	L2 [%]	E1 [%]	E5a [%]	E5b [%]	E5ab [%]
Fixed	99,95	99,92	100,00	99,99	99,99	100,00	100,00	100,00	100,00
Not fixed	0,05	0,06	0,00	0,01	0,01	0,00	0,00	0,00	0,00
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	0,03	0,00	0,00	0,00	0,00	0,00	0,00	0,00

Status	From Epoch	To Epoch	Duration
Fixed	09.10.2024 10:47:47	09.10.2024 13:32:08	02:44:21