

GNSS Processing Report - Summary

Report created: 17.11.2024 20:52:41

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: 310,5 MB
Comments: -

Baseline FGG3 - T009

Processing Parameters (03.10.2024 08:14:00 - 03.10.2024 12:03:27)

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: FGG3 - T009

Acquisition

Start Time - End Time: 03.10.2024 08:14:00 - 03.10.2024 11:59:41
Duration: 03:45:41

Antennas

	Reference - FGG3	Rover - T009
Receiver Name / SN:	Alloy / 6041R40070	LEICA GS15 / 1500642
Antenna Name / SN:	TRM115000.00 TZGD / 383G0048	LEIGS15 / -
Carrier Offset:	-	-
Height Reading:	0,5495 m	1,5110 m
Antenna Height:	0,5495 m	1,5110 m

Phase Center Offset

	Reference - TRM115000.00 TZGD		Rover - LEIGS15	
GPS	L1	L2	L1	L2
East	0,0000 m	0,0002 m	-0,0003 m	0,0022 m
North	0,0006 m	0,0007 m	-0,0007 m	-0,0001 m
Up	0,0644 m	0,0573 m	0,1999 m	0,1983 m

GLONASS	L1	L2	L1	L2
East	0,0000 m	0,0002 m	-0,0003 m	0,0022 m
North	0,0006 m	0,0007 m	-0,0007 m	-0,0001 m
Up	0,0644 m	0,0573 m	0,1999 m	0,1983 m

Coordinates

	Reference - FGG3	Rover - T009		Reference - FGG3	Rover - T009
Point Role:	Navigated RTK	Fixed PP			
WGS84 Latitude:	46,04580747° N	46,04573562° N	Easting:	460.947,5602 m	460.928,7773 m
WGS84 Longitude:	14,49539159° E	14,49514955° E	Northing:	100.791,1910 m	100.783,3249 m
WGS84 Ellip. Height:	367,5000 m	366,2063 m	Ortho. Height:	321,0245 m	319,7308 m
WGS84 Cartesian X:	4.293.738,1034 m	4.293.747,4897 m			
WGS84 Cartesian Y:	1.110.067,7319 m	1.110.050,8074 m			
WGS84 Cartesian Z:	4.569.047,5472 m	4.569.041,0728 m			

Baseline Vector and Quality - WGS84

ΔLatitude:	-0,00007184°	SD ΔLatitude:	0,0000 m
ΔLongitude:	-0,00024204°	SD ΔLongitude:	0,0000 m
ΔHeight:	-1,2937 m	SD ΔHeight:	0,0000 m
ΔX:	9,3863 m	SD ΔX:	0,0000 m
ΔY:	-16,9245 m	SD ΔY:	0,0000 m
ΔZ:	-6,4744 m	SD ΔZ:	0,0000 m
Slope Dist.:	20,4073 m	SD Slope Dist.:	0,0000 m

M0:	0,3455 m	CQ 1D:	0,0000 m
Q11:	0,00000001	CQ 2D:	0,0000 m
Q12:	0,00000000	CQ 3D:	0,0000 m
Q22:	0,00000000		
Q13:	0,00000000		
Q23:	0,00000000		
Q33:	0,00000001		

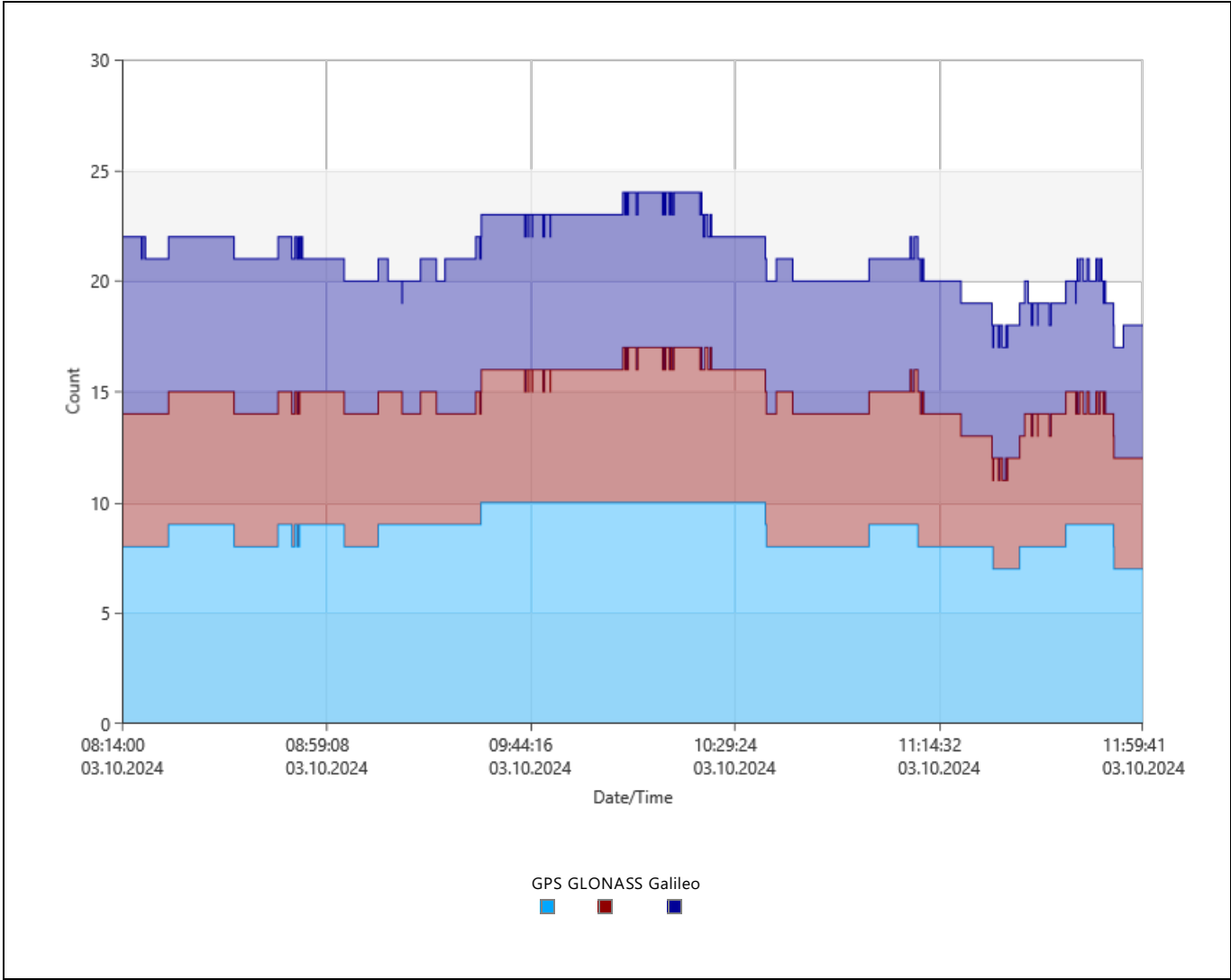
Frequency:	L1/E1/L2/L5/E5a/E5b/E5ab	GDOP:	1,4 - 2,4	GPS SVs:	10/10
Solution Optimisation:	None	PDOP:	1,1 - 1,8	GLONASS SVs:	6/7
Solution Type:	Phase Fixed	HDOP:	0,6 - 0,9	Beidou SVs:	-
		VDOP:	0,8 - 1,5	Galileo SVs:	7/8
				QZSS SVs:	-

Ephemeris Type:	
GPS	Precise
GLONASS	Precise
Galileo	Precise

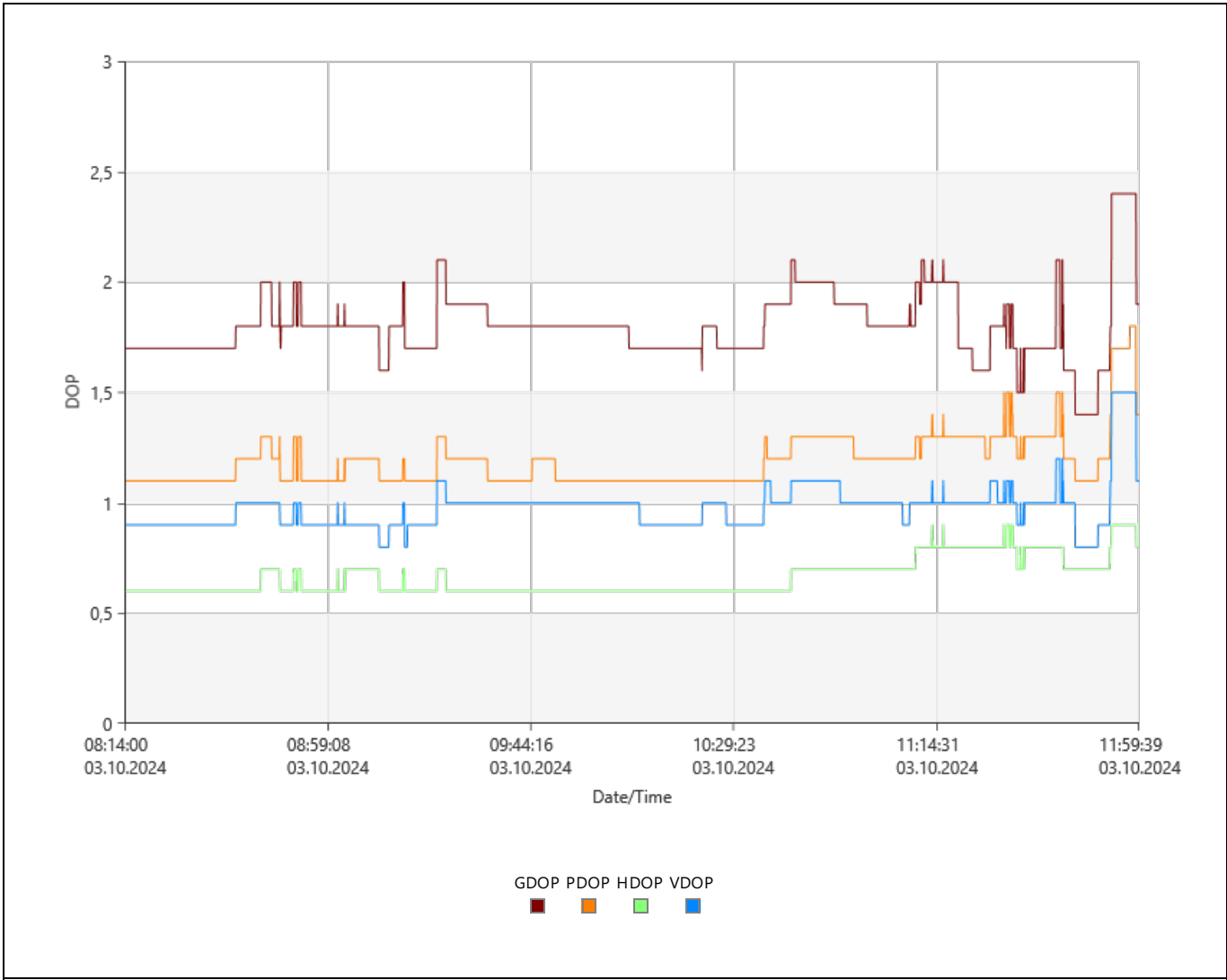
Processing Info (03.10.2024 08:14:00 - 03.10.2024 12:03:27)

Processed Date/Time: 17.11.2024 20:52:00

SVs Tracked



DOP



Ambiguity Statistics

Number of Ambiguities	GPS	GLONASS	Galileo
Fixed	46	12	66
Total	56	92	110
Independently fixed	1.692	1.390	1.692
Possible independently fixed	1.692	1.692	1.692

Average time between independent fixes: 00:00:06

% of Epochs	GPS			GLONASS		Galileo			
	L1 [%]	L2 [%]	L5 [%]	L1 [%]	L2 [%]	E1 [%]	E5a [%]	E5b [%]	E5ab [%]
Fixed	99,93	99,93	100,00	61,31	61,34	99,62	98,94	99,62	99,62
Not fixed	0,07	0,07	0,00	38,69	38,66	0,38	0,95	0,38	0,38
Not fixed - contradiction	0,00	0,00	0,00	0,00	0,00	0,00	0,11	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	03.10.2024 08:14:00	03.10.2024 11:59:41	03:45:41