

GNSS Processing Report - Summary

Report created: 17.11.2024 20:54:44

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 T009 - T006

Processing Parameters (03.10.2024 08:16:59 - 03.10.2024 12:06:23)

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: T009 - T006

Acquisition

Start Time - End Time: 03.10.2024 08:16:59 - 03.10.2024 12:03:27
Duration: 03:46:28

Antennas

	Reference - T009	Rover - T006
Receiver Name / SN:	LEICA GS15 / 1500642	LEICA GS18 / 3604696
Antenna Name / SN:	LEIGS15 / -	LEIGS18 / -
Carrier Offset:	-	-
Height Reading:	1,5110 m	1,4490 m
Antenna Height:	1,5110 m	1,4490 m

Phase Center Offset

	Reference - LEIGS15		Rover - LEIGS18	
GPS	L1	L2	L1	L2
East	-0,0003 m	0,0022 m	-0,0003 m	0,0024 m
North	-0,0007 m	-0,0001 m	-0,0010 m	-0,0005 m
Up	0,1999 m	0,1983 m	0,0999 m	0,1074 m

GLONASS	L1	L2	L1	L2
East	-0,0003 m	0,0022 m	-0,0003 m	0,0024 m
North	-0,0007 m	-0,0001 m	-0,0010 m	-0,0005 m
Up	0,1999 m	0,1983 m	0,0999 m	0,1074 m

Coordinates

	Reference - T009	Rover - T006		Reference - T009	Rover - T006
Point Role:	Navigated RTK	Fixed PP			
WGS84 Latitude:	46,04574068° N	46,04588513° N	Easting:	460.929,3046 m	460.916,4945 m
WGS84 Longitude:	14,49515631° E	14,49498947° E	Northing:	100.783,8829 m	100.800,0197 m
WGS84 Ellip. Height:	365,7242 m	365,6877 m	Ortho. Height:	319,2487 m	319,2119 m
WGS84 Cartesian X:	4.293.746,6433 m	4.293.738,6594 m			
WGS84 Cartesian Y:	1.110.051,1296 m	1.110.035,7269 m			
WGS84 Cartesian Z:	4.569.041,1154 m	4.569.052,2343 m			

Baseline Vector and Quality - WGS84

ΔLatitude:	0,00014446°	SD ΔLatitude:	0,0000 m
ΔLongitude:	-0,00016684°	SD ΔLongitude:	0,0000 m
ΔHeight:	-0,0365 m	SD ΔHeight:	0,0000 m
ΔX:	-7,9839 m	SD ΔX:	0,0000 m
ΔY:	-15,4027 m	SD ΔY:	0,0000 m
ΔZ:	11,1189 m	SD ΔZ:	0,0000 m
Slope Dist.:	20,6062 m	SD Slope Dist.:	0,0000 m

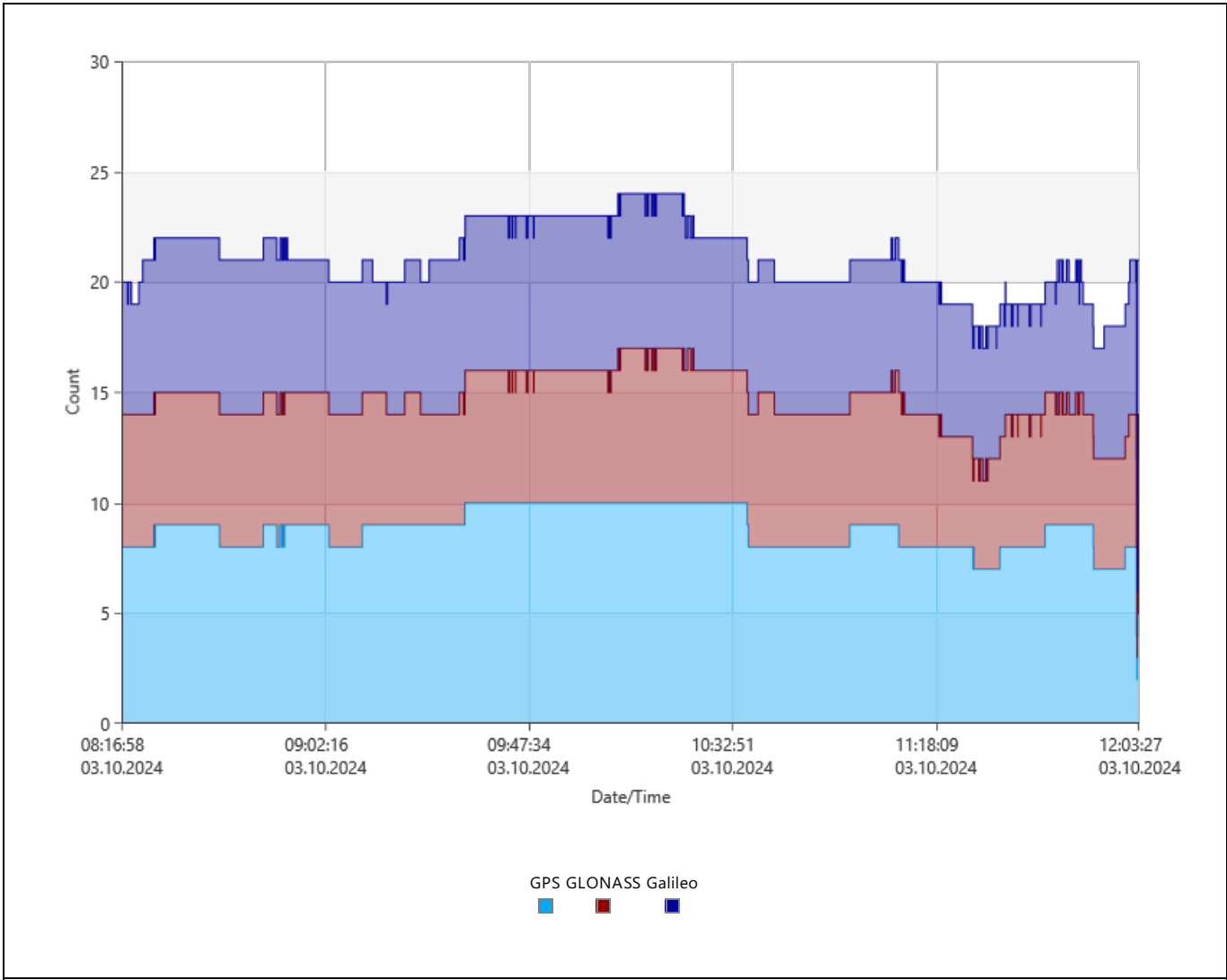
M0:	0,2690 m	CQ 1D:	0,0000 m
Q11:	0,00000001	CQ 2D:	0,0000 m
Q12:	0,00000000	CQ 3D:	0,0000 m
Q22:	0,00000000		
Q13:	0,00000000		
Q23:	0,00000000		
Q33:	0,00000001		

Frequency:	L1/E1/L2/L5/E5a/E5b/E5ab	GDOP:	1,4 - 6,0	GPS SVs:	10/10
Solution Optimisation:	None	PDOP:	0,9 - 4,6	GLONASS SVs:	7/7
Solution Type:	Phase Fixed	HDOP:	0,5 - 3,1	Beidou SVs:	-
		VDOP:	0,7 - 3,6	Galileo SVs:	7/7
				QZSS SVs:	-
Ephemeris Type:					
GPS	Precise				
GLONASS	Precise				
Galileo	Precise				

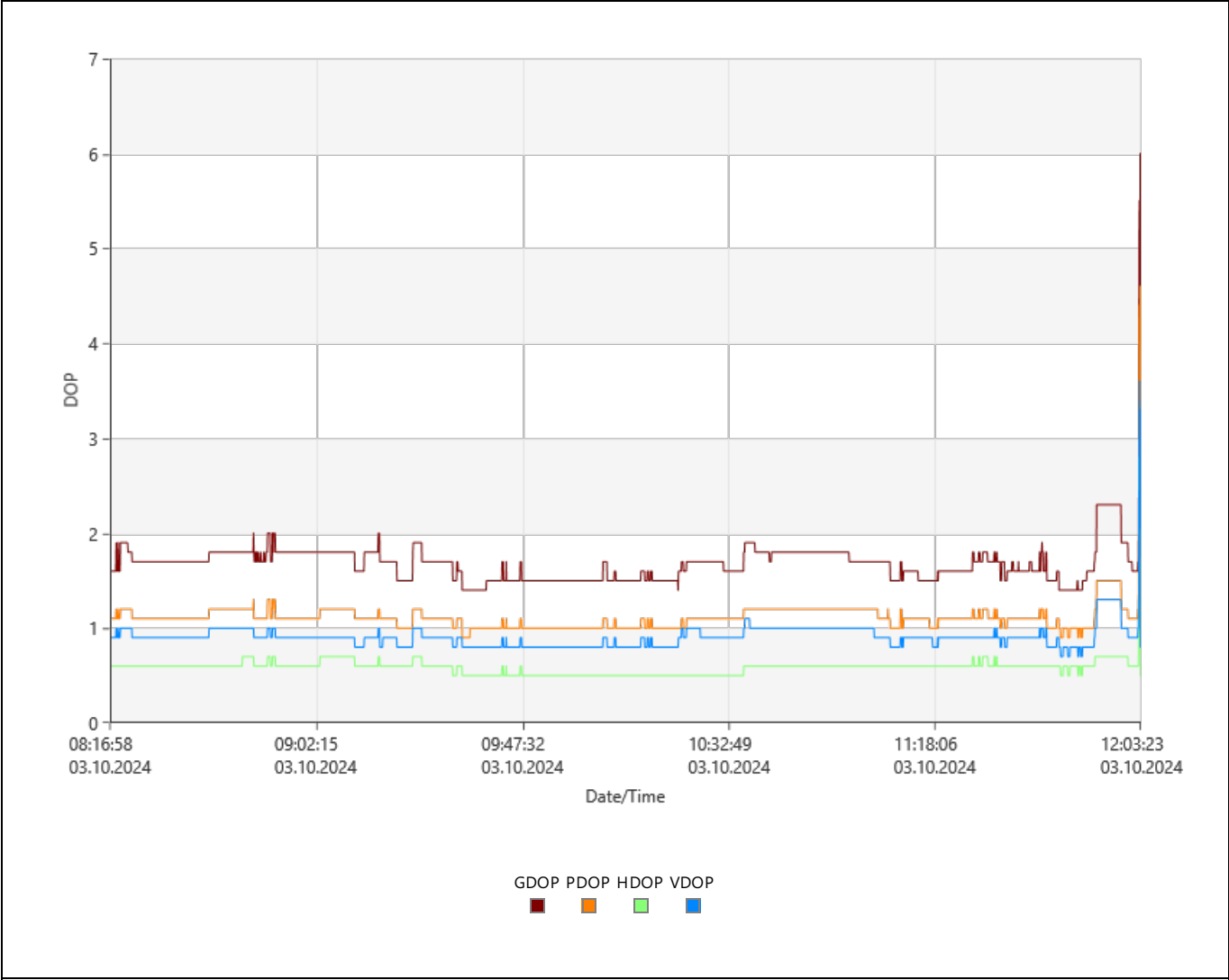
Processing Info (03.10.2024 08:16:59 - 03.10.2024 12:06:23)

Processed Date/Time: 17.11.2024 20:49:56

SVs Tracked



DOP



Ambiguity Statistics

Number of Ambiguities	GPS	GLONASS	Beidou	Galileo
Fixed	47	77	0	120
Total	74	107	0	181
Independently fixed	1.694	1.694	0	1.694
Possible independently fixed	1.694	1.694	1.694	1.694

Average time between independent fixes: 00:00:06

% of Epochs	GPS			GLONASS		Galileo			
	L1 [%]	L2 [%]	L5 [%]	L1 [%]	L2 [%]	E1 [%]	E5a [%]	E5b [%]	E5ab [%]
Fixed	99,89	99,90	99,89	99,80	99,84	99,92	99,61	99,90	99,91
Not fixed	0,08	0,07	0,10	0,18	0,14	0,08	0,36	0,10	0,09
Not fixed - contradiction	0,00	0,00	0,00	0,00	0,00	0,00	0,03	0,00	0,00
Not fixed - missing phase	0,03	0,03	0,01	0,02	0,02	0,00	0,00	0,00	0,00

Status	From Epoch	To Epoch	Duration
Fixed	03.10.2024 08:16:59	03.10.2024 12:02:52	03:45:53
Not fixed	03.10.2024 12:02:52	03.10.2024 12:03:27	00:00:35