

GNSS Processing Report - Summary

Report created: 22/09/2025 22:18:30

Project Details

General		Customer Details		Master Coordinate System	
Project Name:	VILLA YENNY	Customer Name:	-	Coordinate System Name:	MAGNA SIRGAS
Owner:	-	Contact Person:	-	Transformation Type:	-
Lead Surveyor:	-	Number:	-	Residual Distribution:	None
Date Created:	22/09/2025 22:09:25	Email:	-	Ellipsoid:	GRS1980
Last Accessed:	22/09/2025 22:09:28	Skype:	-	Projection Type:	Transverse Mercator
Application Software:	Infinity 4.1.1	Website:	-	Geoid Model:	-
				CSCS Model:	-
Path:	C:\Users\Carol\Documents\Leica Geosystems\Infinity\Projects\VILLA YENNY\VILLA YENNY.iprj				
Size:	10,4 MB				
Comments:	-				

Baseline ABCC - GPS1

Processing Parameters (12/09/2025 12:26:57 - 12/09/2025 13:54:27)

Data	Selected	Used	Comments
Cut-Off Angle:	10°	10°	
Frequency:	Automatic	L1/L2	
Sampling Rate:	Use All	30,00 sec	
Satellite System:	GPS/GLONASS/Galileo/Beidou	GPS	The DOP values exceeded a critical limit.
Ephemeris Type:	Precise	Precise	
Antenna Calibration Set:	Leica Absolute	Leica Absolute	

Processing Strategy

Solution Type:	Float	Float
Solution Optimisation:	Automatic	None
Frequency to use in Ionosphere Minimised:	Automatic	Automatic
Tropospheric Model:	Automatic	VMF with GPT2 model
Ionospheric Model:	Automatic	Computed
Allow Widelane Fix:	No	No

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: ABCC - GPS1

Acquisition

Start Time - End Time: 12/09/2025 12:27:12 - 12/09/2025 13:54:12
Duration: 01:27:00

Antennas

	Reference - ABCC	Rover - GPS1
Receiver Name / SN:	LEICA GRX1200GGPRO / 355240	TRIMBLE 5800 / 4449141102
Antenna Name / SN:	LEIAT504GG LEIS / 200457	TRM5800 / -
Carrier Offset:	-	0,000 m
Height Reading:	0,097 m	1,650 m
Antenna Height:	0,097 m	1,650 m

Phase Center Offset

	Reference - LEIAT504GG LEIS		Rover - Unknown	
GPS	L1	L2	L1	L2
East	0,000 m	0,000 m	-	-
North	0,000 m	0,000 m	-	-
Up	0,087 m	0,118 m	-	-

Coordinates

	Reference - ABCC	Rover - GPS1		Reference - ABCC	Rover - GPS1
Point Role:	Control	Float PP			
WGS84 Latitude:	4° 39' 40,44971" N	4° 42' 22,52491" N	Northing:	2.073.161,256 m	2.078.153,039 m
WGS84 Longitude:	74° 07' 36,92008" W	74° 12' 53,00049" W	Easting:	4.875.055,760 m	4.865.328,395 m
WGS84 Ellip. Height:	2.576,153 m	2.567,123 m	Ortho. Height:	-	-
WGS84 Cartesian X:	1.739.437,968 m	1.729.948,764 m			
WGS84 Cartesian Y:	-6.117.252,370 m	-6.119.510,693 m			
WGS84 Cartesian Z:	515.065,177 m	520.028,313 m			

Baseline Vector and Quality - WGS84

ΔLatitude:	0° 02' 42,07520"	SD ΔLatitude:	0,004 m
ΔLongitude:	-0° 05' 16,08041"	SD ΔLongitude:	0,038 m
ΔHeight:	-9,030 m	SD ΔHeight:	0,018 m
ΔX:	-9.489,203 m	SD ΔX:	0,037 m
ΔY:	-2.258,323 m	SD ΔY:	0,020 m
ΔZ:	4.963,137 m	SD ΔZ:	0,005 m
Slope Dist.:	10.944,301 m	SD Slope Dist.:	0,033 m

M0:	1,249 m	CQ 1D:	0,018 m
Q11:	0,00087386	CQ 2D:	0,038 m
Q12:	0,00017929	CQ 3D:	0,042 m
Q22:	0,00025256		
Q13:	0,00007316		
Q23:	-0,00000558		
Q33:	0,00001419		

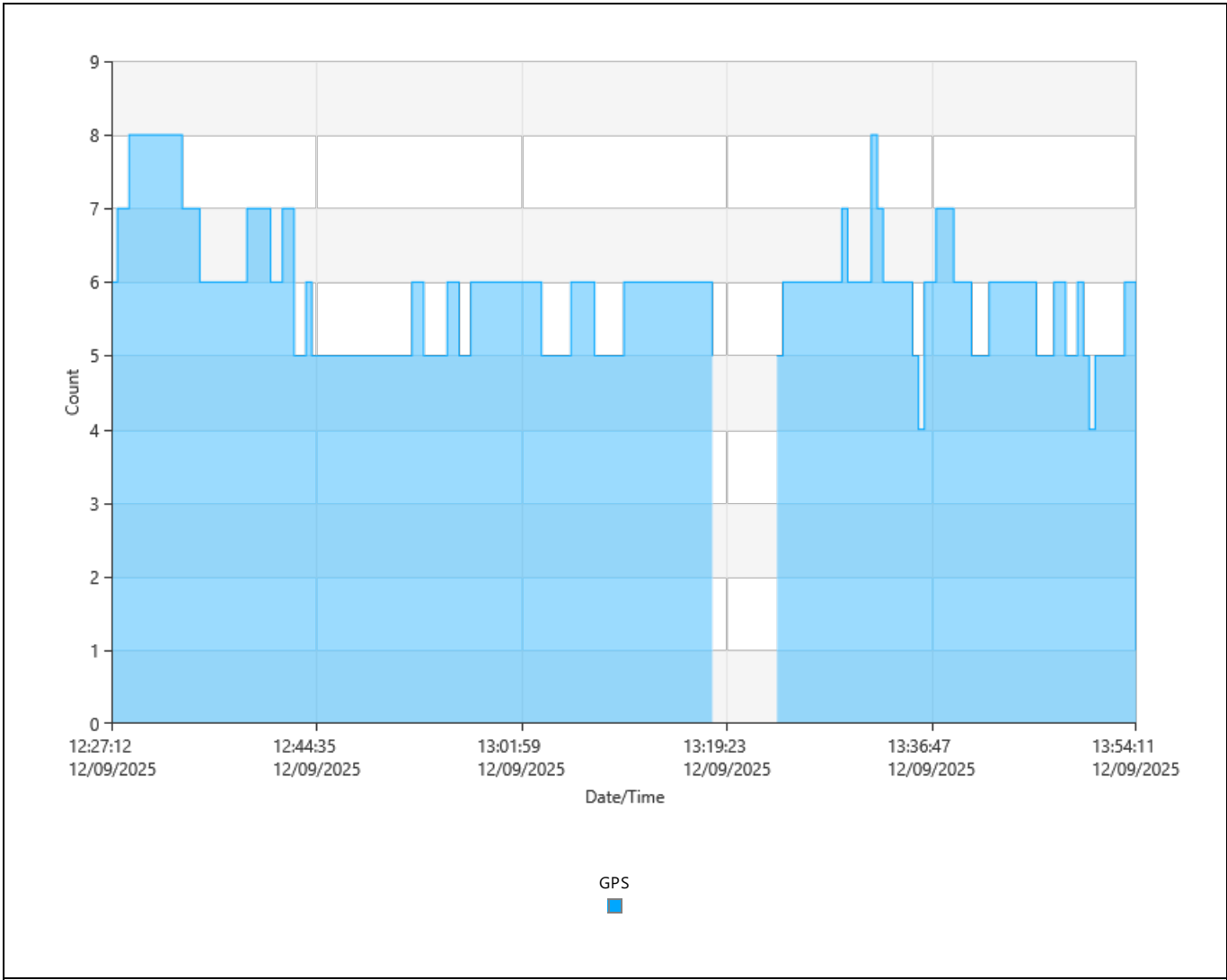
Frequency:	L1/L2	GDOP:	2,5 - 6,9	GPS SVs:	8/8
Solution Optimisation:	None	PDOP:	2,1 - 6,0	GLONASS SVs:	-
Solution Type:	Float	HDOP:	1,0 - 3,5	Beidou SVs:	-
		VDOP:	1,7 - 4,9	Galileo SVs:	-
				QZSS SVs:	-

Ephemeris Type:
GPS Precise

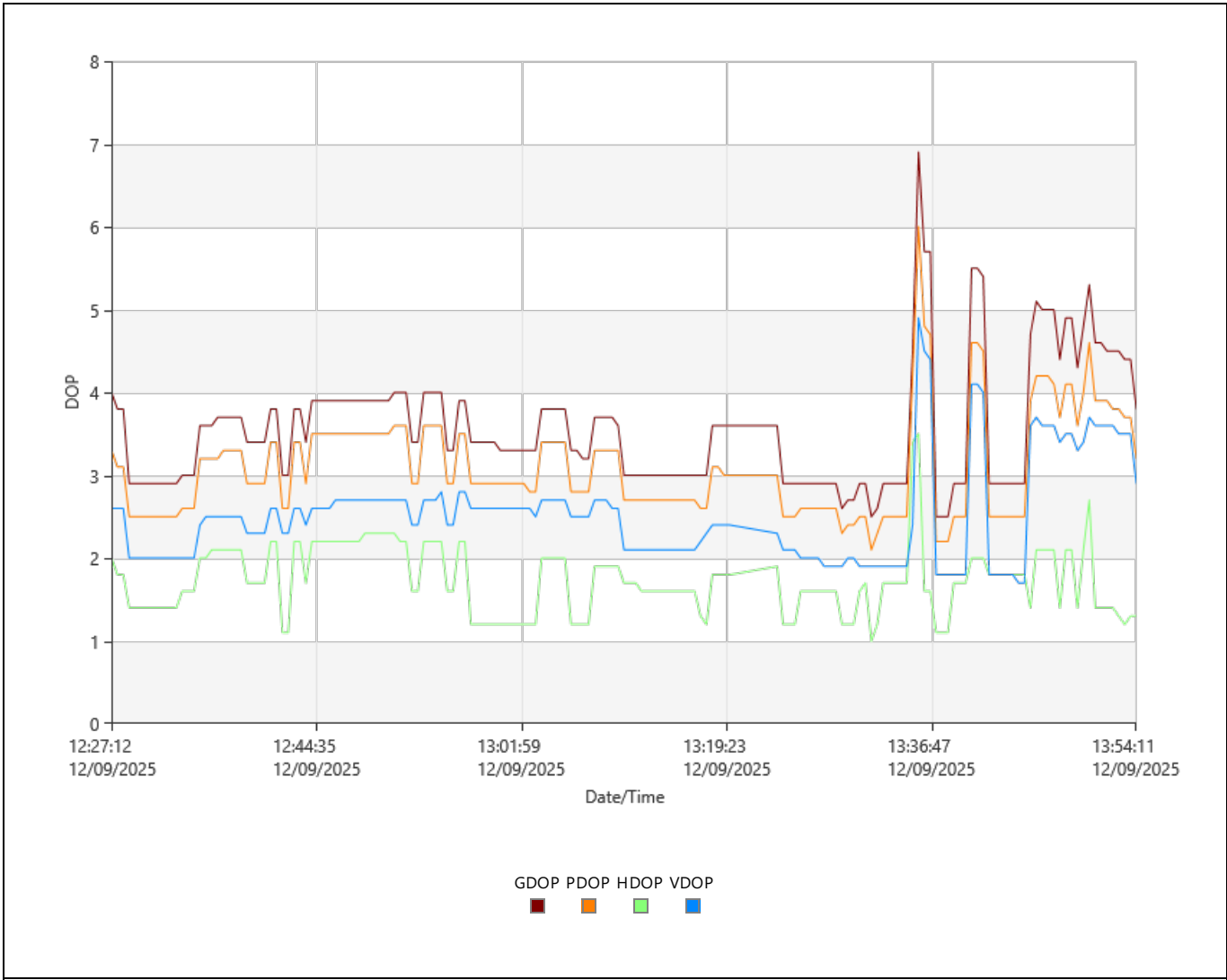
Processing Info (12/09/2025 12:26:57 - 12/09/2025 13:54:27)

Processed Date/Time: 22/09/2025 22:18:17

SVs Tracked



DOP



Baseline BOGA - GPS1

Processing Parameters (12/09/2025 12:26:57 - 12/09/2025 13:54:27)

Data	Selected	Used	Comments
Cut-Off Angle:	10°	10°	
Frequency:	Automatic	L1/L2	
Sampling Rate:	Use All	15,00 sec	
Satellite System:	GPS/GLONASS/Galileo/Beidou	GPS	The DOP values exceeded a critical limit.
Ephemeris Type:	Precise	Precise	
Antenna Calibration Set:	Leica Absolute	Leica Absolute	

Processing Strategy

Solution Type:	Float	Float
Solution Optimisation:	Automatic	Iono Minimised
Frequency to use in Iono Minimised:	Automatic	L1/L2
Tropospheric Model:	Automatic	VMF with GPT2 model
Ionospheric Model:	Automatic	None
Allow Widelane Fix:	No	No

General Settings

Min. Distance for Iono 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
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Time System:Local Time

Leap Seconds:18

Results Baseline: BOGA - GPS1

Acquisition

Start Time - End Time:12/09/2025 12:26:57 - 12/09/2025 13:54:27

Duration:01:27:30

Antennas

	Reference - BOGA	Rover - GPS1
Receiver Name / SN:	TRIMBLE NETR9 / 5737R51046	TRIMBLE 5800 / 4449141102
Antenna Name / SN:	TRM59800.00 / 5518356153	TRM5800 / -
Carrier Offset:	-	0,000 m
Height Reading:	1,511 m	1,650 m
Antenna Height:	1,511 m	1,650 m

Coordinates

	Reference - BOGA	Rover - GPS1		Reference - BOGA	Rover - GPS1
Point Role:	Control	Float PP			
WGS84 Latitude:	4° 38' 19,26118" N	4° 42' 22,52453" N	Northing:	2.070.660,782 m	2.078.153,027 m
WGS84 Longitude:	74° 04' 47,81865" W	74° 12' 52,99959" W	Easting:	4.880.260,531 m	4.865.328,423 m
WGS84 Ellip. Height:	2.609,664 m	2.567,022 m	Ortho. Height:	-	-
WGS84 Cartesian X:	1.744.517,110 m	1.729.948,764 m			
WGS84 Cartesian Y:	-6.116.050,895 m	-6.119.510,589 m			
WGS84 Cartesian Z:	512.581,208 m	520.028,293 m			

Baseline Vector and Quality - WGS84

ΔLatitude:	0° 04' 03,26335"	SD ΔLatitude:	0,007 m
ΔLongitude:	-0° 08' 05,18094"	SD ΔLongitude:	0,050 m
ΔHeight:	-42,642 m	SD ΔHeight:	0,019 m
ΔX:	-14.568,346 m	SD ΔX:	0,052 m
ΔY:	-3.459,694 m	SD ΔY:	0,015 m
ΔZ:	7.447,085 m	SD ΔZ:	0,008 m
Slope Dist.:	16.723,196 m	SD Slope Dist.:	0,043 m

M0:	0,776 m	CQ 1D:	0,019 m
Q11:	0,00440501	CQ 2D:	0,051 m
Q12:	0,00012704	CQ 3D:	0,054 m
Q22:	0,00037920		
Q13:	0,00050302		
Q23:	0,00001067		
Q33:	0,00009475		

Frequency:	L1/L2	GDOP:	2,9 - 7,7	GPS SVs:	7/8
Solution Optimisation:	Iono Minimised	PDOP:	2,5 - 6,5	GLONASS SVs:	-
Solution Type:	Float	HDOP:	1,2 - 4,3	Beidou SVs:	-
		VDOP:	1,7 - 6,3	Galileo SVs:	-
				QZSS SVs:	-

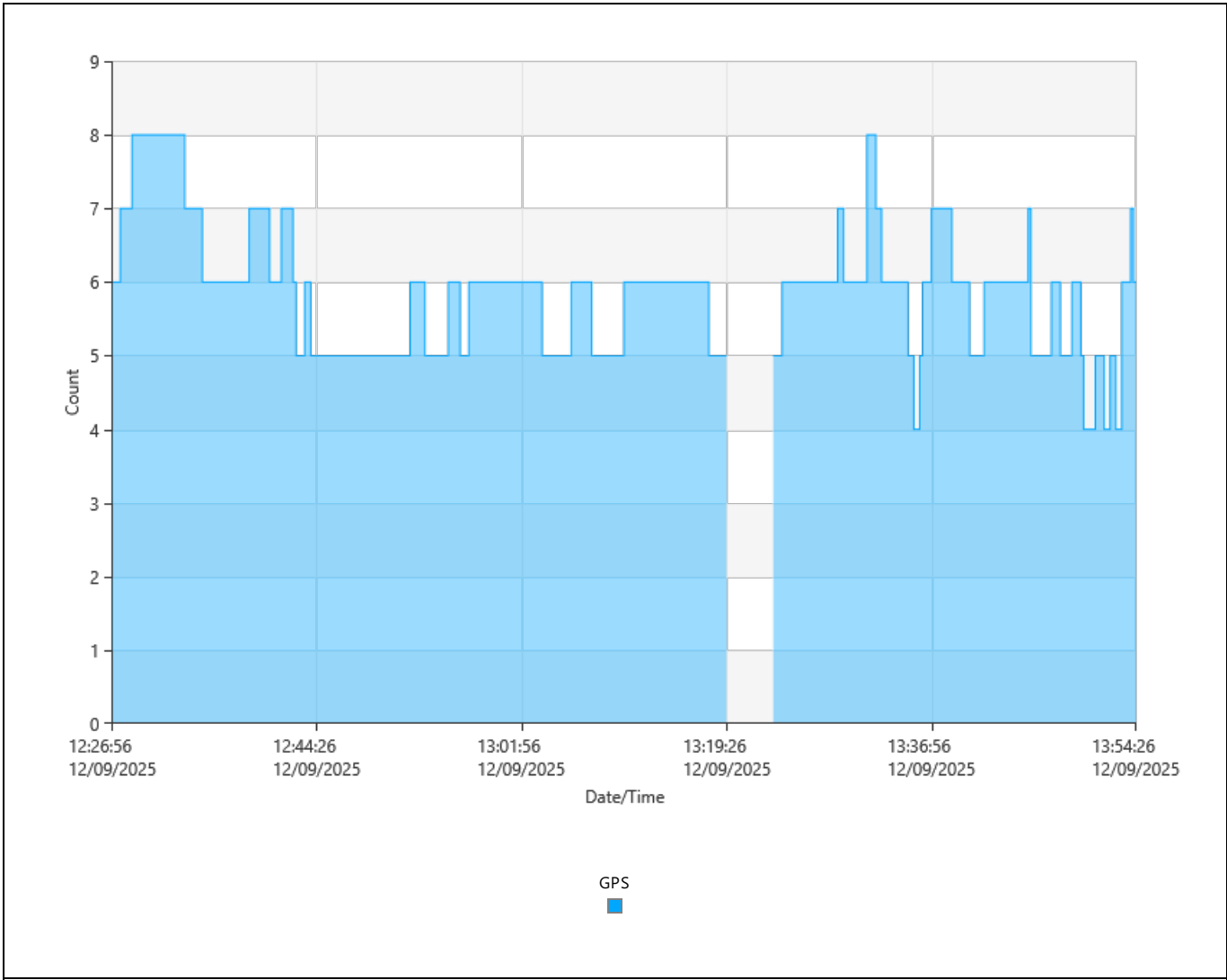
Ephemeris Type:

GPSPrecise

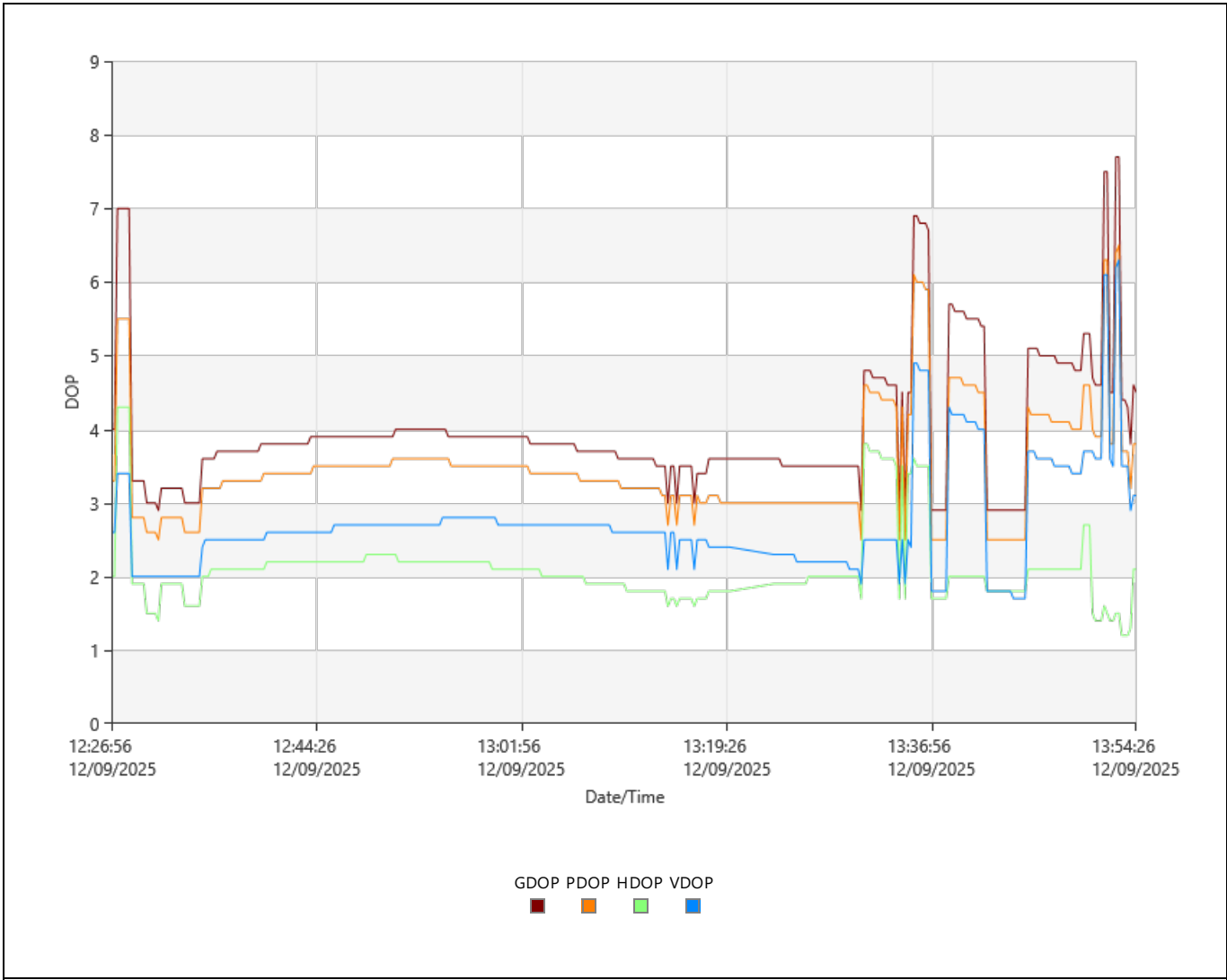
Processing Info (12/09/2025 12:26:57 - 12/09/2025 13:54:27)

Processed Date/Time:22/09/2025 22:18:17

SVs Tracked



DOP



Baseline ABCC - GPS2

Processing Parameters (12/09/2025 14:04:12 - 12/09/2025 15:36:12)

Data	Selected	Used	Comments
Cut-Off Angle:	10°	10°	
Frequency:	Automatic	L1/L2	
Sampling Rate:	Use All	30,00 sec	
Satellite System:	GPS/GLONASS/Galileo/Beidou	GPS	The DOP values exceeded a critical limit.
Ephemeris Type:	Precise	Precise	
Antenna Calibration Set:	Leica Absolute	Leica Absolute	

Processing Strategy

Solution Type:	Float	Float
Solution Optimisation:	Automatic	None
Frequency to use in Iono Minimised:	Automatic	Automatic
Tropospheric Model:	Automatic	Computed
Ionospheric Model:	Automatic	Computed
Allow Widelane Fix:	No	No

General Settings

Min. Distance for Iono 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
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Time System: Local Time
Leap Seconds: 18

Results Baseline: ABCC - GPS2

Acquisition

Start Time - End Time: 12/09/2025 14:04:12 - 12/09/2025 15:36:12
Duration: 01:32:00

Antennas

	Reference - ABCC	Rover - GPS2
Receiver Name / SN:	LEICA GRX1200GGPRO / 355240	5800 / 4449141102
Antenna Name / SN:	LEIAT504GG LEIS / 200457	TRM5800 / -
Carrier Offset:	-	0,000 m
Height Reading:	0,097 m	1,650 m
Antenna Height:	0,097 m	1,650 m

Phase Center Offset

	Reference - LEIAT504GG LEIS		Rover - Unknown	
GPS	L1	L2	L1	L2
East	0,000 m	0,000 m	-	-
North	0,000 m	0,000 m	-	-
Up	0,087 m	0,118 m	-	-

Coordinates

	Reference - ABCC	Rover - GPS2		Reference - ABCC	Rover - GPS2
Point Role:	Control	Float PP			
WGS84 Latitude:	4° 39' 40,44971" N	4° 42' 20,85166" N	Northing:	2.073.161,256 m	2.078.101,608 m
WGS84 Longitude:	74° 07' 36,92008" W	74° 12' 51,80786" W	Easting:	4.875.055,760 m	4.865.365,040 m
WGS84 Ellip. Height:	2.576,153 m	2.567,753 m	Ortho. Height:	-	-
WGS84 Cartesian X:	1.739.437,968 m	1.729.985,466 m			
WGS84 Cartesian Y:	-6.117.252,370 m	-6.119.505,353 m			
WGS84 Cartesian Z:	515.065,177 m	519.977,120 m			

Baseline Vector and Quality - WGS84

ΔLatitude:	0° 02' 40,40195"	SD ΔLatitude:	0,006 m
ΔLongitude:	-0° 05' 14,88778"	SD ΔLongitude:	0,039 m
ΔHeight:	-8,400 m	SD ΔHeight:	0,035 m
ΔX:	-9.452,502 m	SD ΔX:	0,045 m
ΔY:	-2.252,983 m	SD ΔY:	0,026 m
ΔZ:	4.911,944 m	SD ΔZ:	0,005 m
Slope Dist.:	10.888,201 m	SD Slope Dist.:	0,037 m

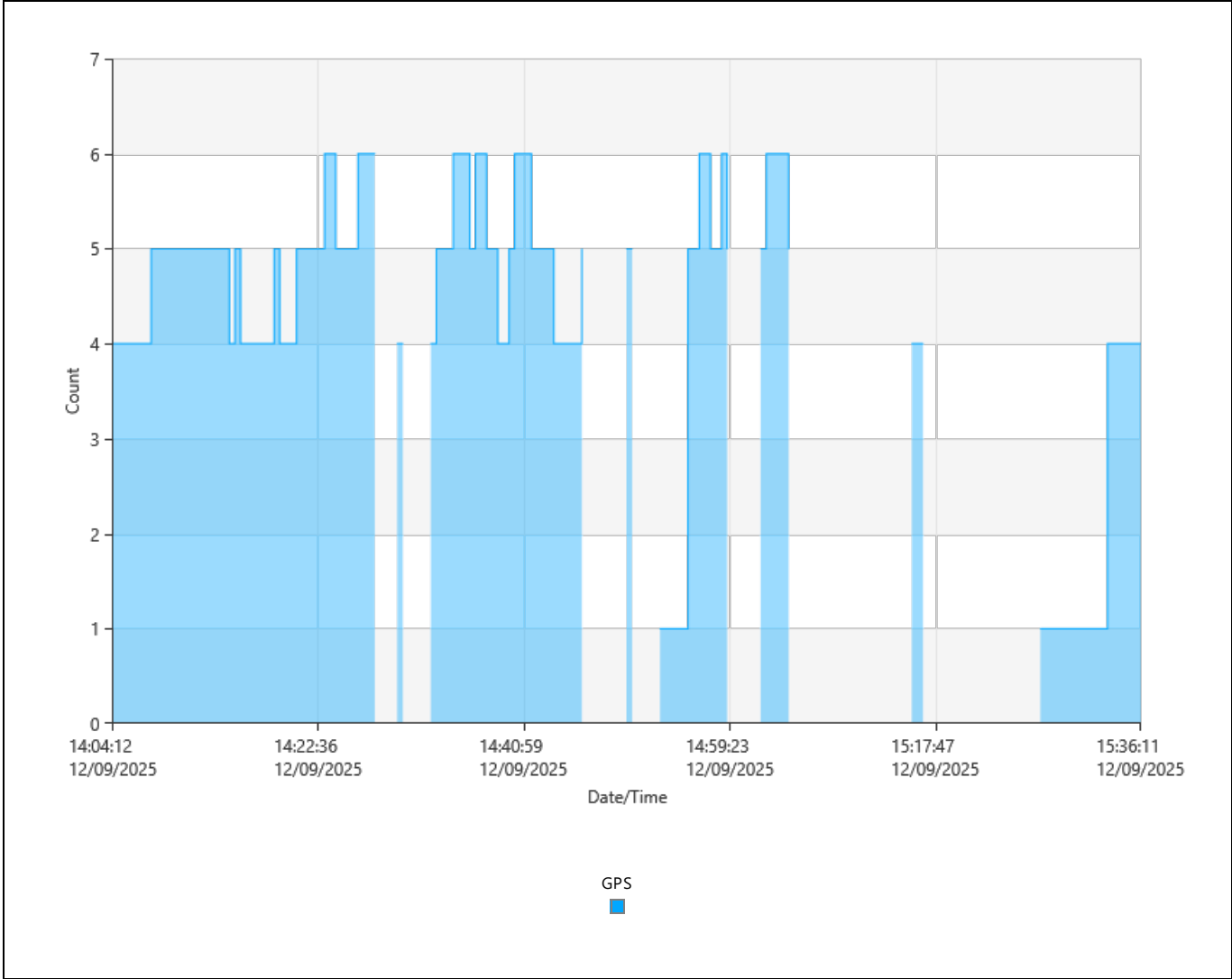
M0:	1,226 m	CQ 1D:	0,035 m
Q11:	0,00136182	CQ 2D:	0,039 m
Q12:	-0,00054298	CQ 3D:	0,052 m
Q22:	0,00045635		
Q13:	-0,00006211		
Q23:	-0,00000721		
Q33:	0,00001662		

Frequency:	L1/L2	GDOP:	2,8 - 18,9	GPS SVs:	7/7
Solution Optimisation:	None	PDOP:	2,4 - 15,1	GLONASS SVs:	-
Solution Type:	Float	HDOP:	1,2 - 6,0	Beidou SVs:	-
		VDOP:	2,0 - 13,8	Galileo SVs:	-
				QZSS SVs:	-
Ephemeris Type:					
GPS	Precise				

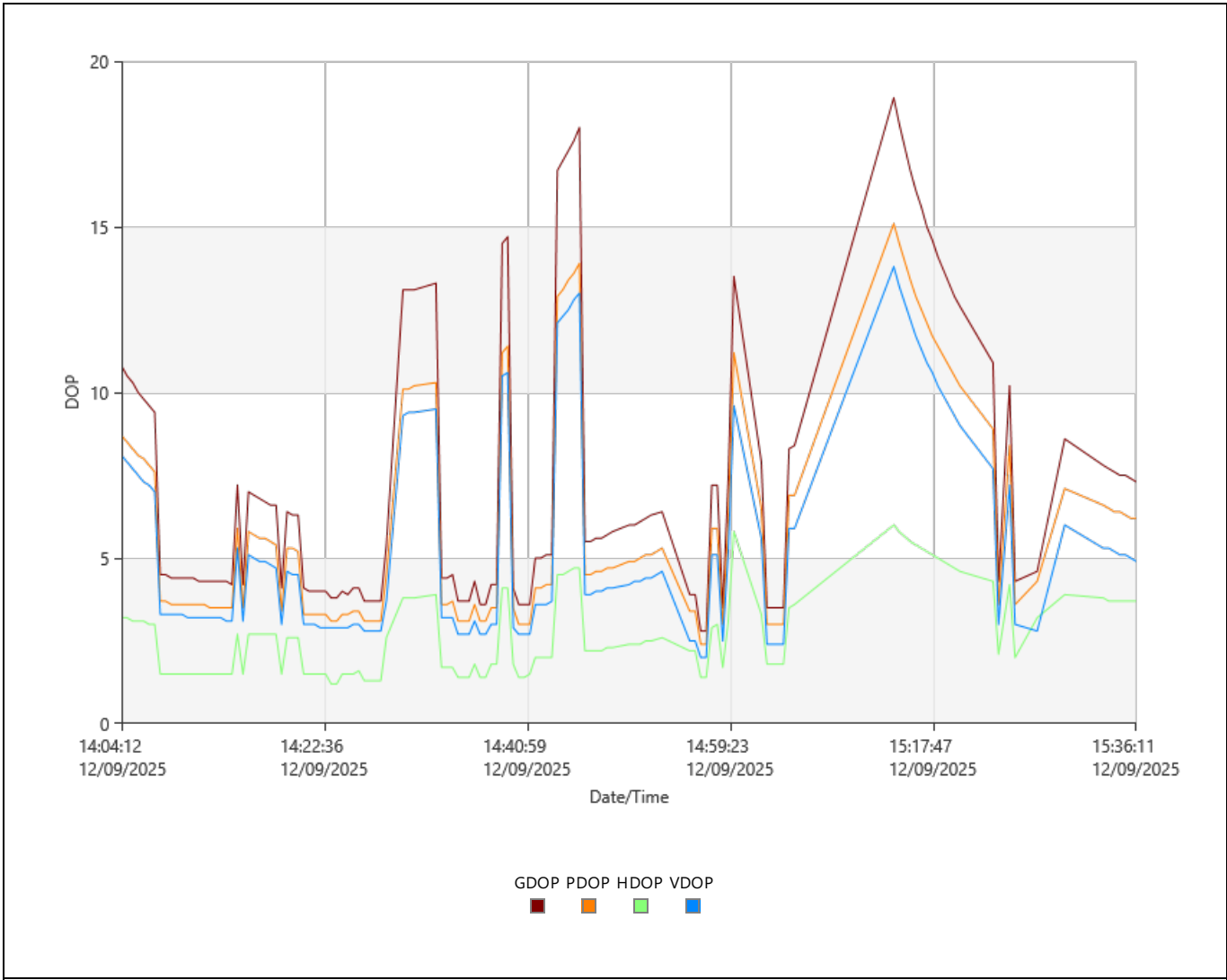
Processing Info (12/09/2025 14:04:12 - 12/09/2025 15:36:12)

Processed Date/Time: 22/09/2025 22:18:17

SVs Tracked



DOP



Baseline BOGA - GPS2

Processing Parameters (12/09/2025 14:04:12 - 12/09/2025 15:36:12)

Data	Selected	Used	Comments
Cut-Off Angle:	10°	10°	
Frequency:	Automatic	L1/L2	
Sampling Rate:	Use All	15,00 sec	
Satellite System:	GPS/GLONASS/Galileo/Beidou	GPS	The DOP values exceeded a critical limit.
Ephemeris Type:	Precise	Precise	
Antenna Calibration Set:	Leica Absolute	Leica Absolute	

Processing Strategy

Solution Type:	Float	Float
Solution Optimisation:	Automatic	Iono Minimised
Frequency to use in Iono Minimised:	Automatic	L1/L2
Tropospheric Model:	Automatic	Computed
Ionospheric Model:	Automatic	None
Allow Widelane Fix:	No	No

General Settings

Min. Distance for Iono 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
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Time System: Local Time
Leap Seconds: 18

Results Baseline: BOGA - GPS2

Acquisition

Start Time - End Time: 12/09/2025 14:04:12 - 12/09/2025 15:36:12
Duration: 01:32:00

Antennas

	Reference - BOGA	Rover - GPS2
Receiver Name / SN:	TRIMBLE NETR9 / 5737R51046	5800 / 4449141102
Antenna Name / SN:	TRM59800.00 / 5518356153	TRM5800 / -
Carrier Offset:	-	0,000 m
Height Reading:	1,511 m	1,650 m
Antenna Height:	1,511 m	1,650 m

Coordinates

	Reference - BOGA	Rover - GPS2		Reference - BOGA	Rover - GPS2
Point Role:	Control	Float PP			
WGS84 Latitude:	4° 38' 19,26118" N	4° 42' 20,85068" N	Northing:	2.070.660,782 m	2.078.101,576 m
WGS84 Longitude:	74° 04' 47,81865" W	74° 12' 51,79413" W	Easting:	4.880.260,531 m	4.865.365,463 m
WGS84 Ellip. Height:	2.609,664 m	2.568,054 m	Ortho. Height:	-	-
WGS84 Cartesian X:	1.744.517,110 m	1.729.985,956 m			
WGS84 Cartesian Y:	-6.116.050,895 m	-6.119.505,529 m			
WGS84 Cartesian Z:	512.581,208 m	519.977,115 m			

Baseline Vector and Quality - WGS84

ΔLatitude:	0° 04' 01,58950"	SD ΔLatitude:	0,011 m
ΔLongitude:	-0° 08' 03,97548"	SD ΔLongitude:	0,066 m
ΔHeight:	-41,610 m	SD ΔHeight:	0,059 m
ΔX:	-14.531,155 m	SD ΔX:	0,078 m
ΔY:	-3.454,634 m	SD ΔY:	0,043 m
ΔZ:	7.395,907 m	SD ΔZ:	0,009 m
Slope Dist.:	16.666,985 m	SD Slope Dist.:	0,063 m

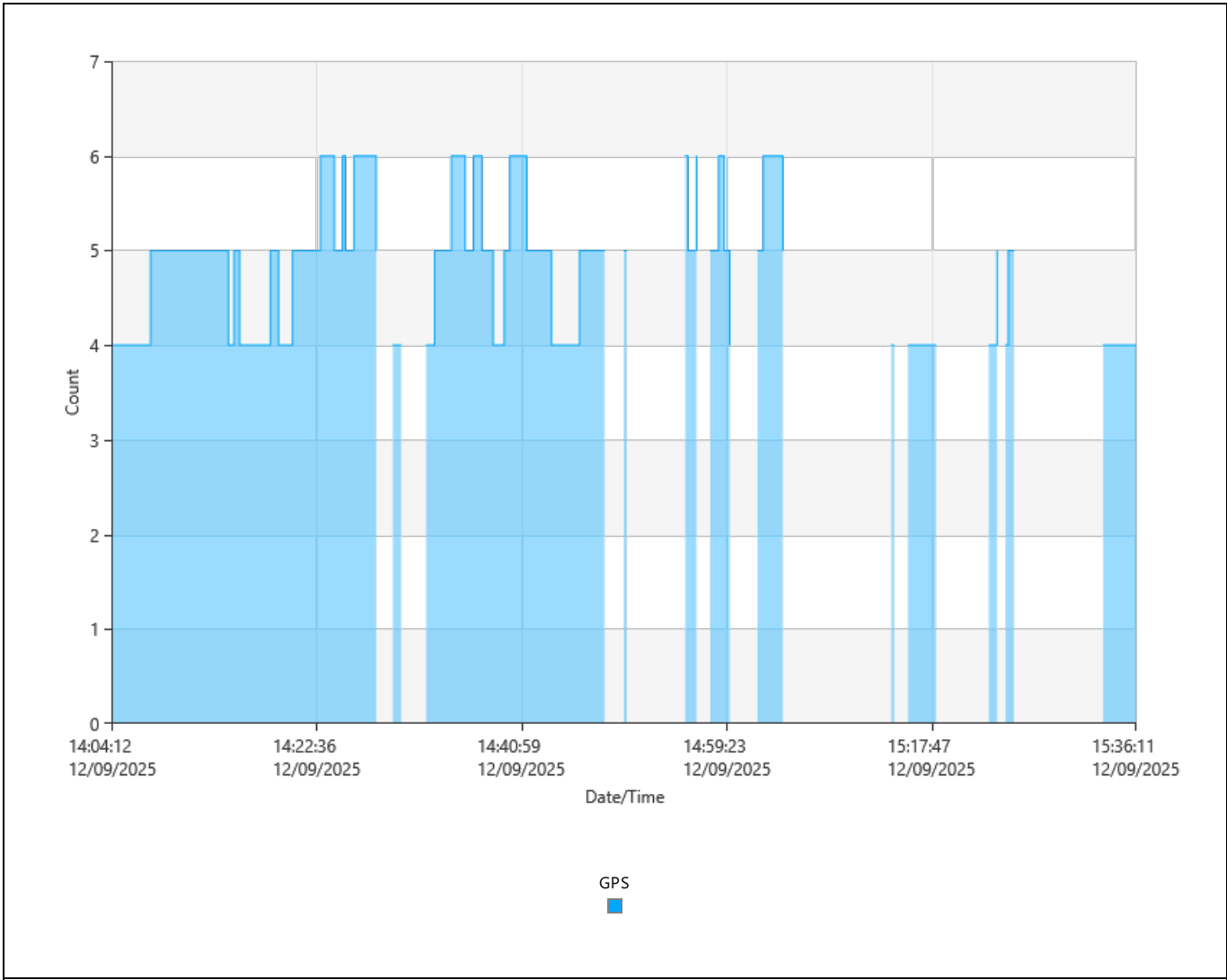
M0:	0,744 m	CQ 1D:	0,059 m
Q11:	0,01091443	CQ 2D:	0,067 m
Q12:	-0,00475410	CQ 3D:	0,089 m
Q22:	0,00332646		
Q13:	-0,00053319		
Q23:	-0,00000567		
Q33:	0,00013695		

Frequency:	L1/L2	GDOP:	3,5 - 18,9	GPS SVs:	6/6
Solution Optimisation:	Iono Minimised	PDOP:	3,0 - 15,1	GLONASS SVs:	-
Solution Type:	Float	HDOP:	1,2 - 6,0	Beidou SVs:	-
		VDOP:	2,4 - 13,8	Galileo SVs:	-
				QZSS SVs:	-
Ephemeris Type:					
GPS	Precise				

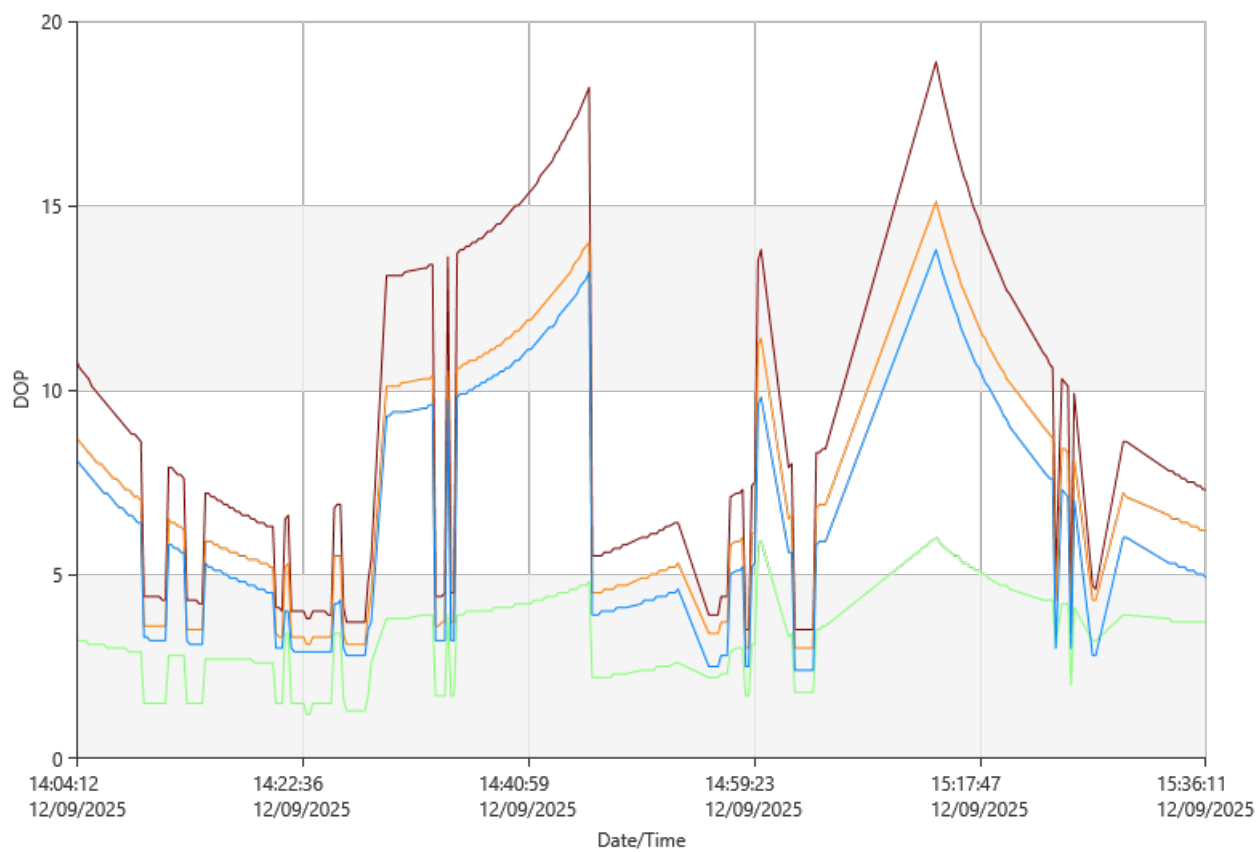
Processing Info (12/09/2025 14:04:12 - 12/09/2025 15:36:12)

Processed Date/Time: 22/09/2025 22:18:17

SVs Tracked



DOP



GDOP PDOP HDOP VDOP