Baseline Summary Report

Basic Information

Name	Value
Username	CarlosSolano
Project Datum	Magna_Colombia_Bogota
Project Name	GPS02
Distance Units	Meter
Height Units	Meter

Baseline List

Baseline Information

Name	Value
Number of baselines	1
The longest baseline(m)	B01 (ggue1920.hcs->20260711_152014_Gps2cicuco.hcs): 13058.4784
The shortest baseline(m)	B01 (ggue1920.hcs->20260711_152014_Gps2cicuco.hcs): 13058.4784
Worst baseline(m)	B01 (ggue1920.hcs->20260711_152014_Gps2cicuco.hcs)
Relative error of worst baseline	1 / 8091279

Baseline Summary List

Baseline ID（Start->End）	Start Point	End Point	Solution Type	Data Utilization Rate(%)	HDOP	VDOP	PDOP	NS Fwd Azimuth		Ellipsoid Dist.(m)	ΔEllipsoid Height(m)	Horizontal Dist.(m)	Slant Dist.(m)	Vertical Dist.(m)
B01(ggue1920.hcs->20260711_152014_Gps2cicuco.hcs)	GGUE	GPS 02	L1 Fix	100	0.948	1.520	1.791	070°59′15.130326593″	251°00′20.217862788″	13058.4784	-10.5641	13059.1923	13059.1965	-10.5641

B01 Baseline Report

1 Baseline Summary

Name	Value
Baseline ID（Start->End）	B01(ggue1920.hcs->20260711_152014_Gps2cicuco.hcs)
Solution Type	L1 Fix
Used Ephemeris	Broadcast
Ellipsoid Dist.(m)	13058.4784
Elevation Mask	15°
RMS(m)	0.0197

HDOP	0.948
VDOP	1.520
PDOP	1.791
Total number of satellites	20
Start Time (GPST)	2026-07-11 15.20.32(week : 2426 , second : 573632)
Stop Time (GPST)	2026-07-11 18.48.56(week : 2426 , second : 586136)
Observation Time	03:28:24

2 Occupations Data

List	Start Point	End Point
Data File	C:\Carlos Solano\TONY\CICUCO\RinexIGAC\ggue1920.26d	C:\Carlos Solano\TONY\CICUCO\CrudosEquipo\admin_20260721161412\20260711_152014_Gps2cicuco.26O
Receiver Type	TRIMBLE NETR9	
Receiver Serial	5144K79417	
Antanna Type	TRM159900.00 SCIS	Unknown
Measure Type	Measure to bottom	Measure to bottom
Antanna Height (m)	0.1410	0.0000

3 Baseline Components

Start PointGGUE

Grid(Local)		Geodetic Coordinates(Local)		Geodetic Coordinates(WGS84)		Space Coor.(WGS84)	
North(m)	1513625.5195	Latitude	09°14′23.72298″N	Latitude	09°14′23.72298″N	X (m)	1654985.0206
East(m)	925017.7606	Longitude	074°45′35.51524″W	Longitude	074°45′35.51524″W	Y (m)	-6074536.1573
Height(m)	27.0323	Ellipsoid Height(m)	27.0323	Ellipsoid Height(m)	27.0323	Z (m)	1017367.1350

End PointGPS 02

Grid(Local)		Geodetic Coordinates(Local)		Geodetic Coordinates(WGS84)		Space Coor.(WGS84)	
North(m)	1517856.1974	Latitude	09°16′42.12541″N	Latitude	09°16′42.12541″N	X (m)	1666711.1547
East(m)	937372.6733	Longitude	074°38′50.99400″W	Longitude	074°38′50.99400″W	Y (m)	-6070608.9503
Height(m)	16.4682	Ellipsoid Height(m)	16.4682	Ellipsoid Height(m)	16.4682	Z (m)	1021562.1938

BaselineB01

ΔE	12346.0897	ΔNorth(m)	4230.6779	NS Fwd Azimuth	070°59′15.130326593″	ΔX（m）(m)	11726.1399
ΔN	4254.0985	ΔEast(m)	12354.9127	Ellipsoid Dist.(m)	13058.4784	ΔY（m）(m)	3927.2147
ΔU	-23.9464	ΔHeight(m)	-10.5641	ΔEllipsoid Height(m)	-10.5641	ΔZ（m）(m)	4195.0549
Azimuth(NEU)	070°59′15.210990648″						

Standard Errors

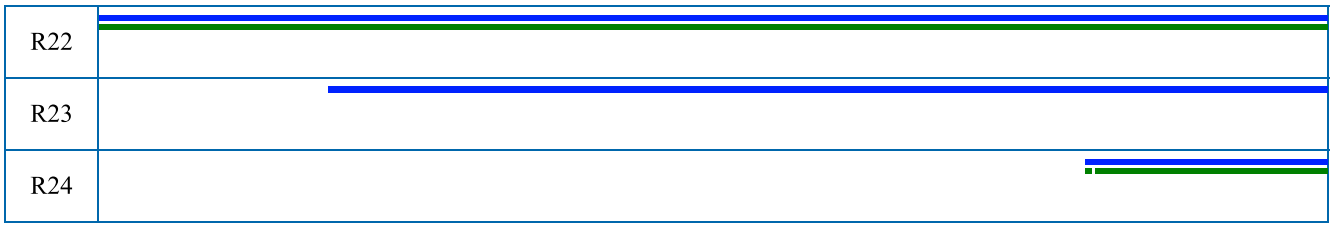
Std.ΔNorth(m)	0.0006	Std. NS Fwd Azimuth(s)	0.0060	Std. ΔX（m）(m)	0.0006
Std.ΔEast(m)	0.0006	Std.Ellipsoid Distance(m)	0.0000	Std. ΔY（m）(m)	0.0013
Std.ΔHeight(m)	0.0013	Std.ΔEllipsoid Height(m)	0.0013	Std. ΔZ（m）(m)	0.0008
Horizontal Accuracy(m)	0.0087	Vertical Accuracy(m)	0.0104		

Aposteriori Covariance Matrix (cm^2)

	X	Y	Z
X	0.0034		
Y	-0.0006	0.0170	
Z	0.0015	-0.0065	0.0057

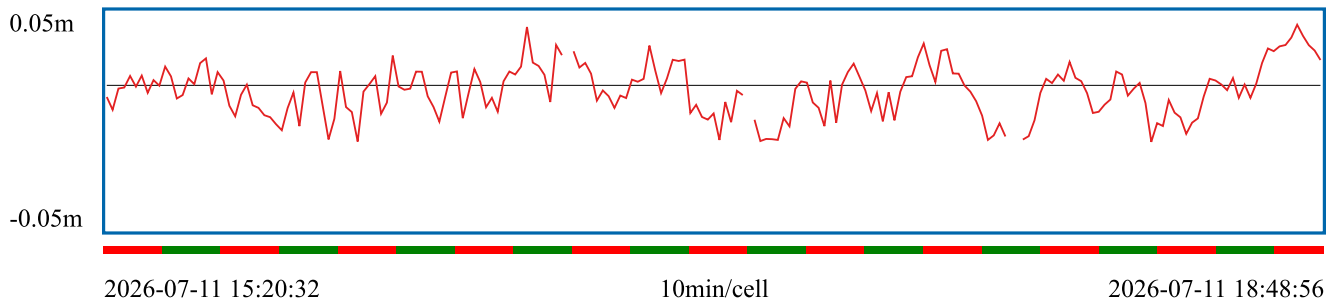
4 Tracking Summary

Satellite	Phase Sum Total Epoch：5760 ， Sampling Interval(s)：60，Ratio =8.1，RMS =0.019722
G05	
G06	
G10	
G11	
G12	
G15	
G18	
G19	
G20	
G21	
G23	
G24	
G25	
G29	
G32	
R01	
R02	
R06	
R07	
R08	
R10	
R11	
R12	
R20	
R21	

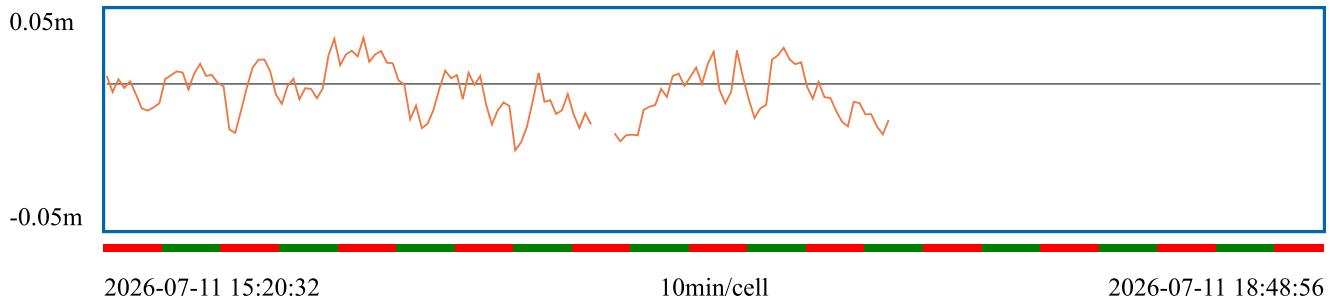


5 Residuals

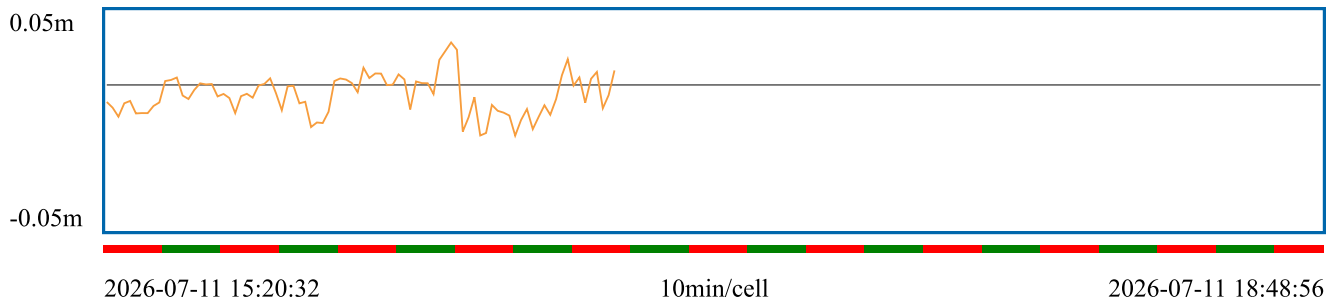
G05



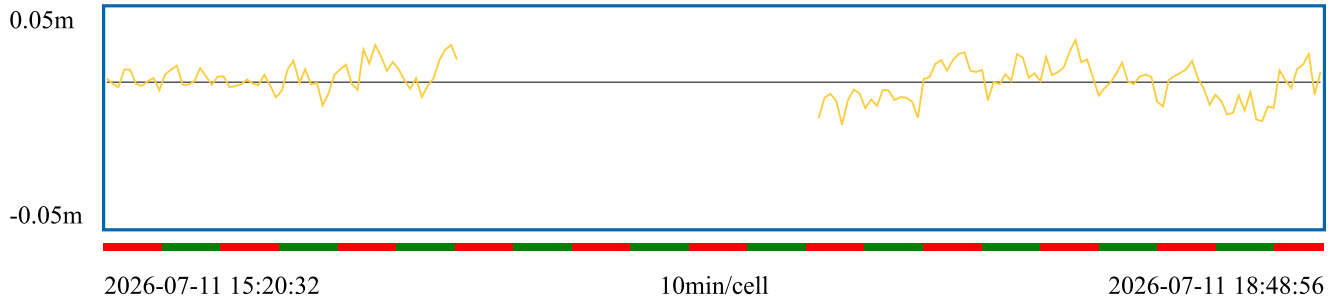
G11



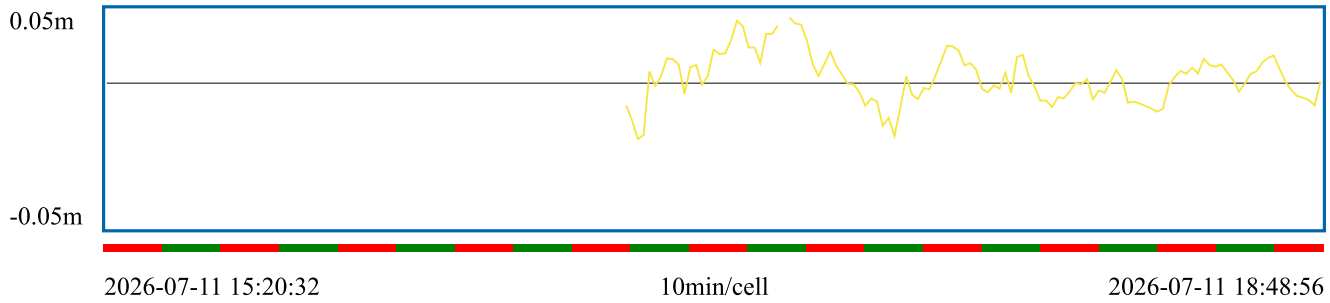
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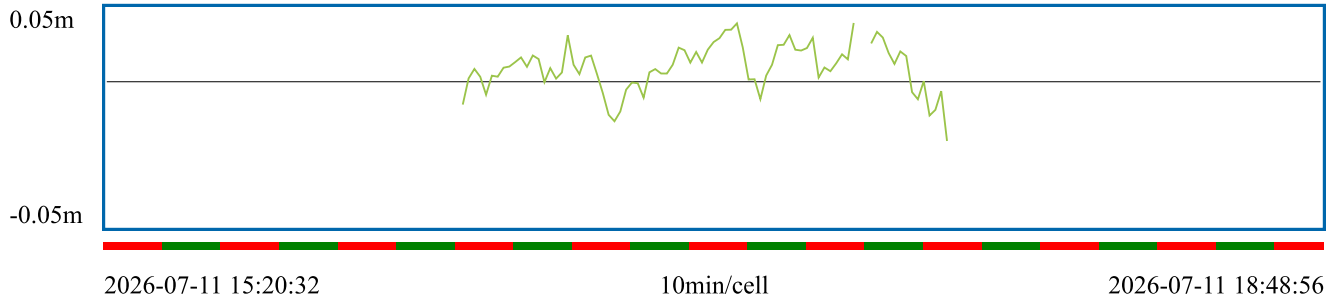
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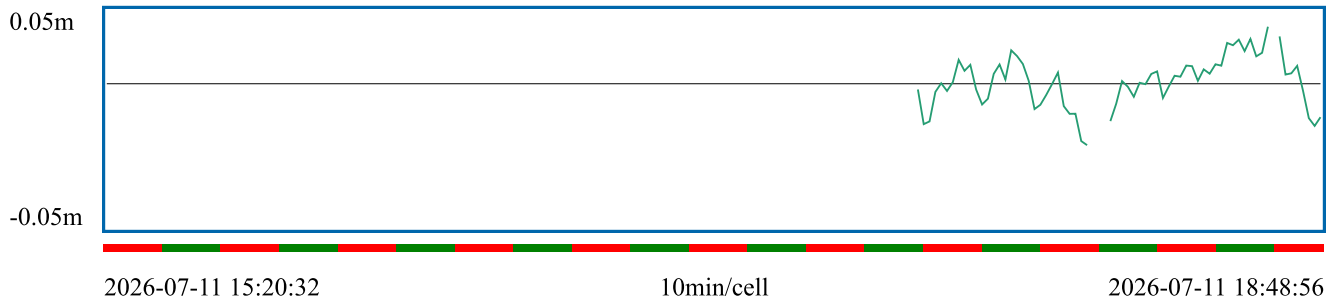
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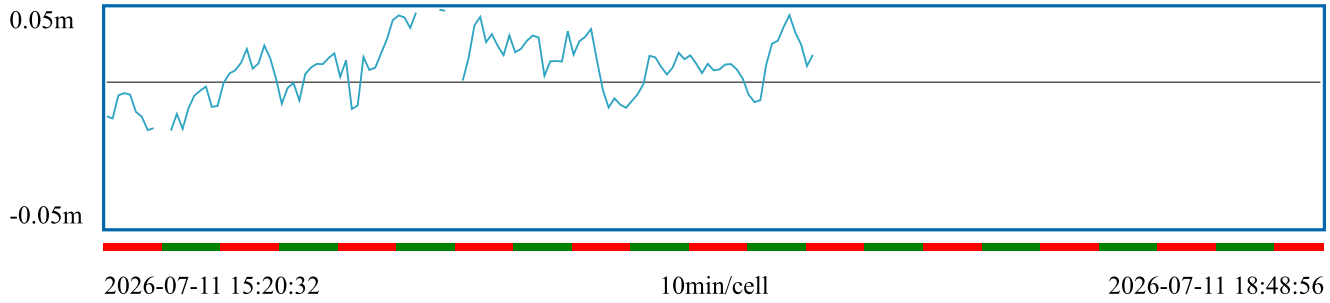
G20



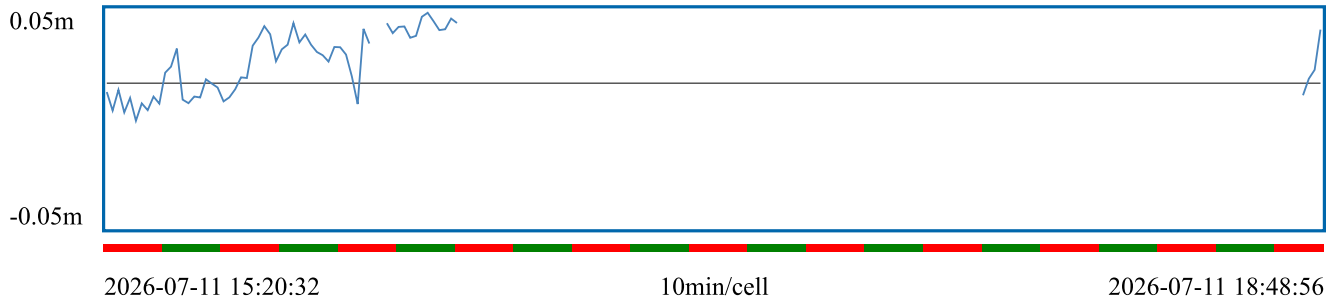
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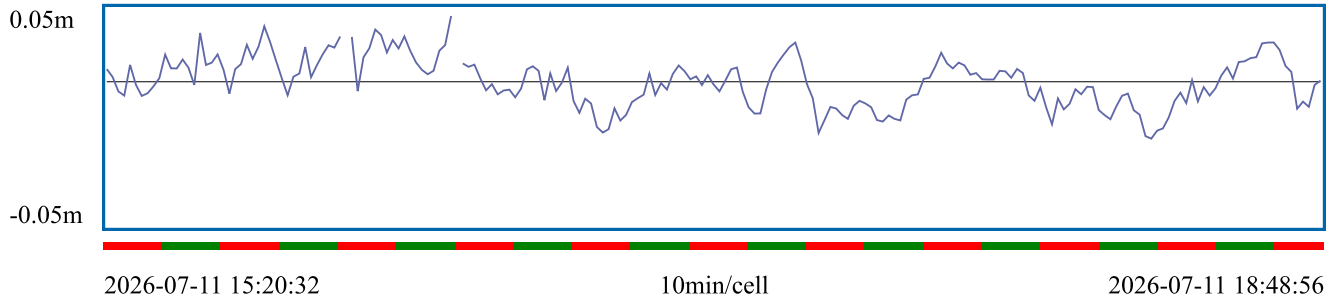
G24



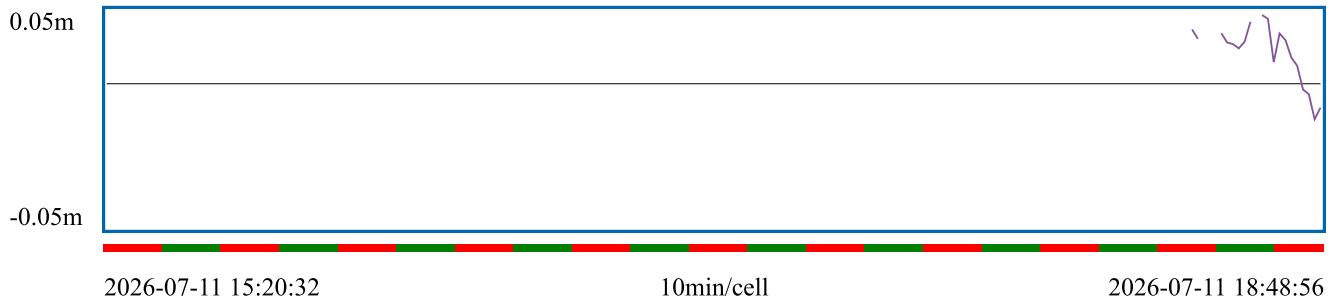
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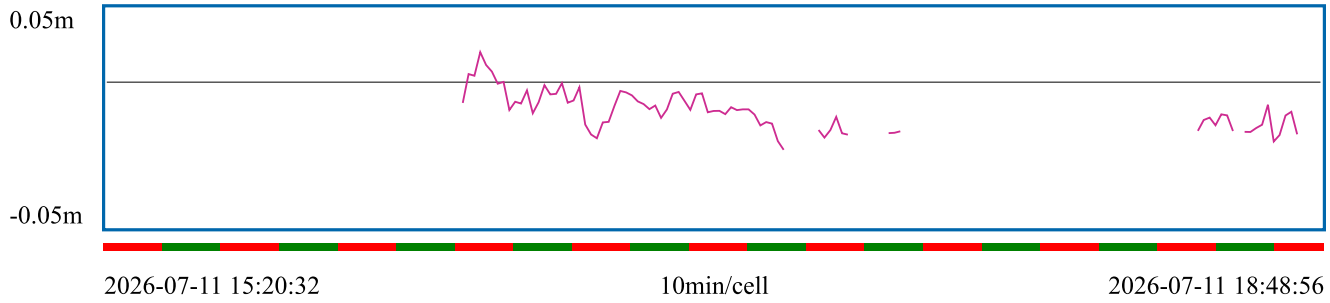
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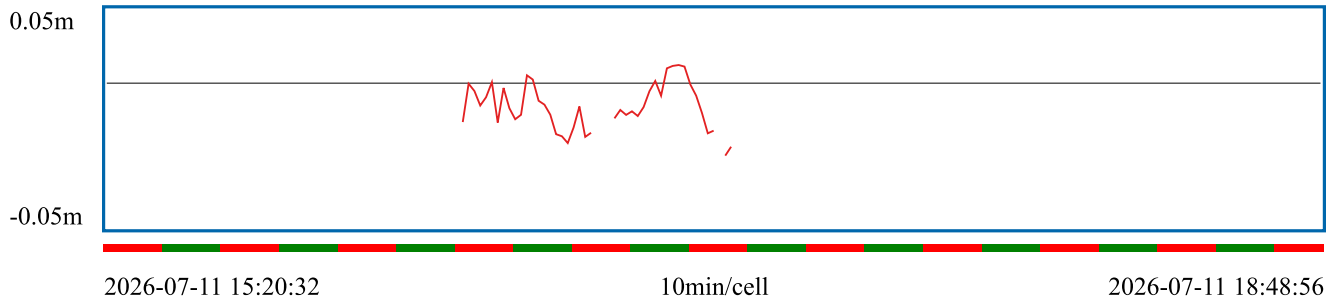
G32



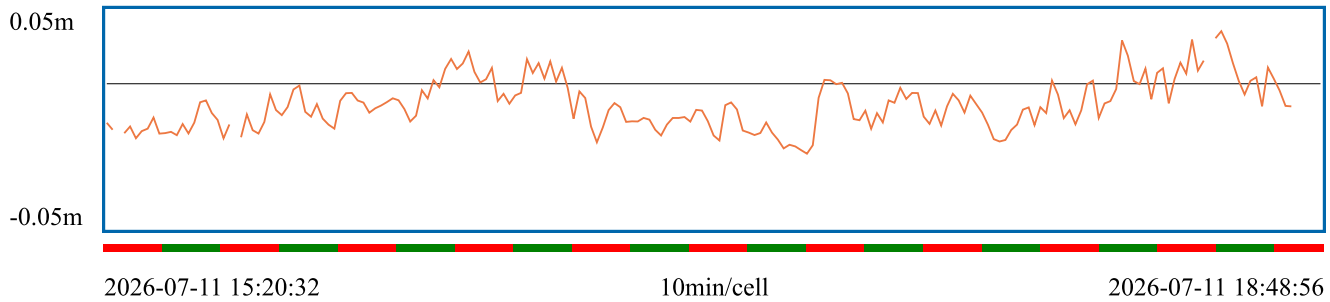
R01



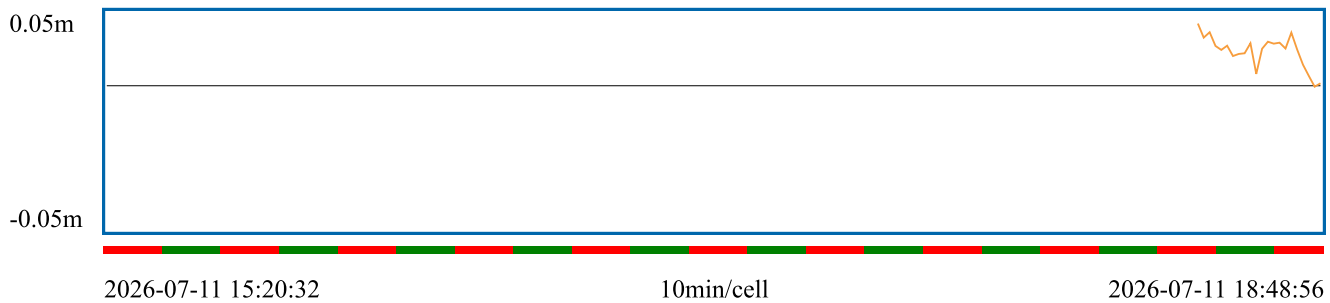
R07



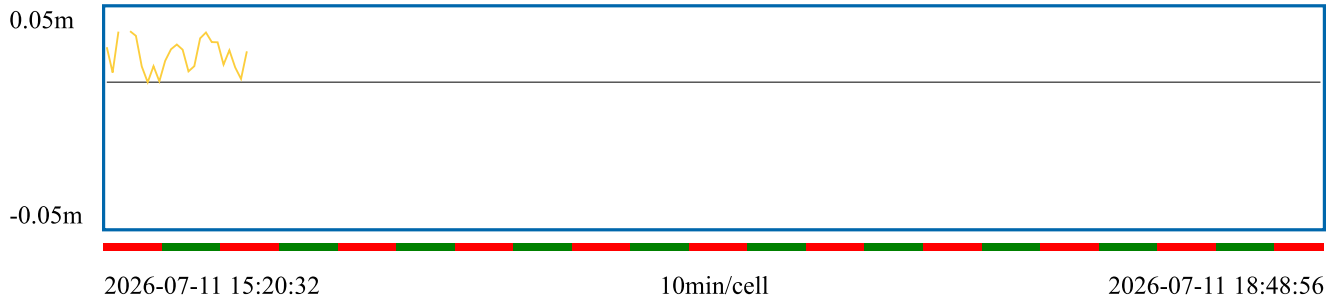
R08



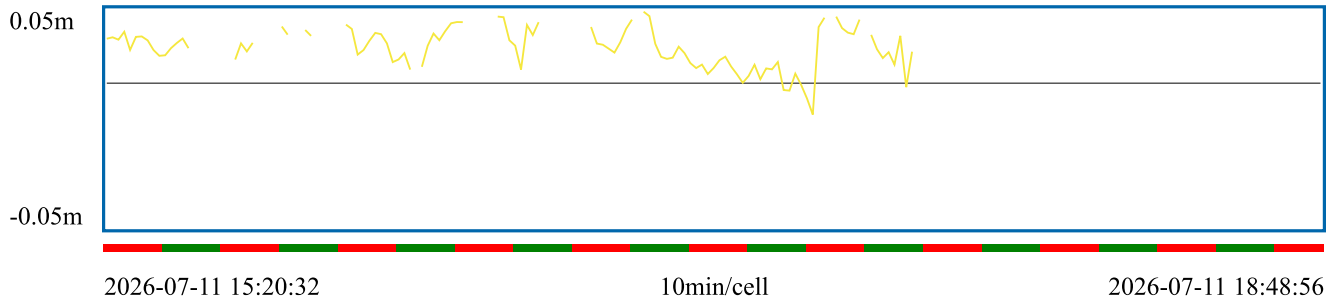
R11



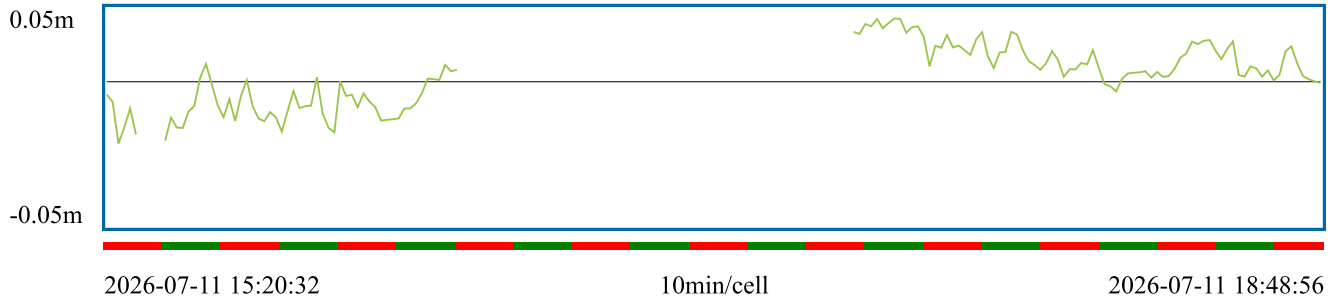
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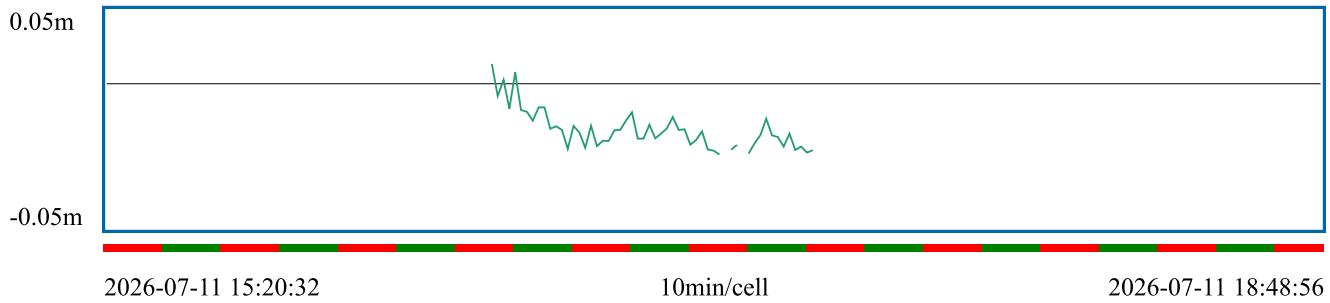
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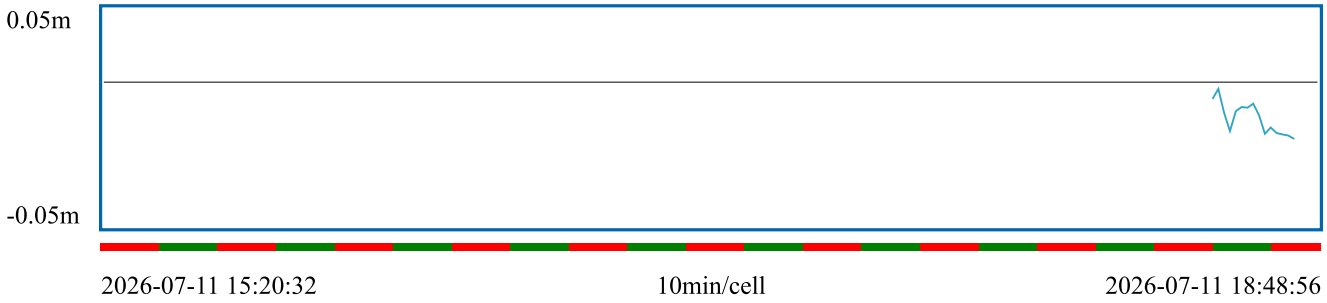
R22



R23



R24



6 Processing Style

6 .1 Static

Minimum Obs. Time	10min
Using Broadcast Ephemeris	200.000000km
Using Precise Ephemeris	2000.000000km

6 .2 Basic Setting

Elevation Mask	15.00°
Used Ephemeris	Broadcast
Sampling Interval	60s
Solution Type	L1 Fix

6 .3 Troposphere

Model	
Minimum Zenith Delay Interval	2hour
Use Observed Met. Data	Allowed

6 .4 Ionosphere

Model	Klobuchar
Ambiguity Resolution Pass	Allowed

6 .5 Ambiguity

Search Mode	Lambda

6 .6 Quality

RMS Tolerance	0.040m
RATIO Tolerance	1.80
Gross Error Tolerance	3.5