Baseline Summary Report

Basic Information

Name	Value
Username	CarlosSolano
Project Datum	Magna_Colombia_Bogota
Project Name	GPS01
Distance Units	Meter
Height Units	Meter

Baseline List

Baseline Information

Name	Value
Number of baselines	1
The longest baseline(m)	B01 (ggue1920.hcs->20260711_151610_Gps1cicuco.hcs): 13049.6317
The shortest baseline(m)	B01 (ggue1920.hcs->20260711_151610_Gps1cicuco.hcs): 13049.6317
Worst baseline(m)	B01 (ggue1920.hcs->20260711_151610_Gps1cicuco.hcs)
Relative error of worst baseline	1 / 1781130

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_151610_Gps1cicuco.hcs)	GGUE	GPS_01	L1 Fix	100	0.756	1.219	1.435	070°52′16.957837497″	250°53′21.956363015″	13049.6317	-10.8033	13050.3297	13050.3341	-10.8033

B01 Baseline Report

1 Baseline Summary

Name	Value
Baseline ID（Start->End）	B01(ggue1920.hcs->20260711_151610_Gps1cicuco.hcs)
Solution Type	L1 Fix
Used Ephemeris	Broadcast
Ellipsoid Dist.(m)	13049.6317
Elevation Mask	15°
RMS(m)	0.0196

HDOP	0.756
VDOP	1.219
PDOP	1.435
Total number of satellites	22
Start Time (GPST)	2026-07-11 15.16.28(week : 2426 , second : 573388)
Stop Time (GPST)	2026-07-11 18.54.39(week : 2426 , second : 586479)
Observation Time	03:38:11

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_20260721162224\20260711_151610_Gps1cicuco.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_01

Grid(Local)		Geodetic Coordinates(Local)		Geodetic Coordinates(WGS84)		Space Coor.(WGS84)	
North(m)	1517878.3482	Latitude	09°16′42.84547″N	Latitude	09°16′42.84547″N	X (m)	1666693.7391
East(m)	937355.6921	Longitude	074°38′51.55153″W	Longitude	074°38′51.55153″W	Y (m)	-6070609.7881
Height(m)	16.2290	Ellipsoid Height(m)	16.2290	Ellipsoid Height(m)	16.2290	Z (m)	1021583.9882

BaselineB01

ΔE	12329.0799	ΔNorth(m)	4252.8286	NS Fwd Azimuth	070°52′16.957837497″	ΔX（m）(m)	11708.7403
ΔN	4276.2240	ΔEast(m)	12337.9315	Ellipsoid Dist.(m)	13049.6317	ΔY（m）(m)	3926.3701
ΔU	-24.1553	ΔHeight(m)	-10.8033	ΔEllipsoid Height(m)	-10.8033	ΔZ（m）(m)	4216.8597
Azimuth(NEU)	070°52′16.982385898″						

Standard Errors

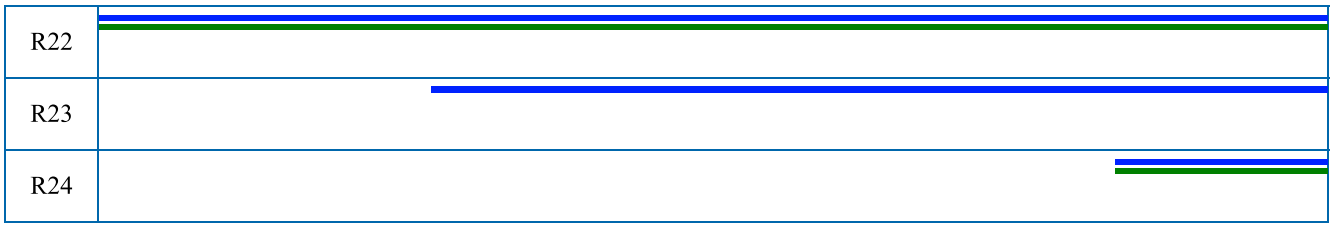
Std.ΔNorth(m)	0.0022	Std. NS Fwd Azimuth(s)	0.0173	Std.ΔX（m）(m)	0.0018
Std.ΔEast(m)	0.0030	Std.Ellipsoid Distance(m)	0.0001	Std.ΔY（m）(m)	0.0065
Std.ΔHeight(m)	0.0063	Std.ΔEllipsoid Height(m)	0.0060	Std.ΔZ（m）(m)	0.0028
Horizontal Accuracy(m)	0.0088	Vertical Accuracy(m)	0.0109		

Aposteriori Covariance Matrix (cm^2)

	X	Y	Z
X	0.0336		
Y	0.0629	0.4255	
Z	-0.0235	-0.1248	0.0777

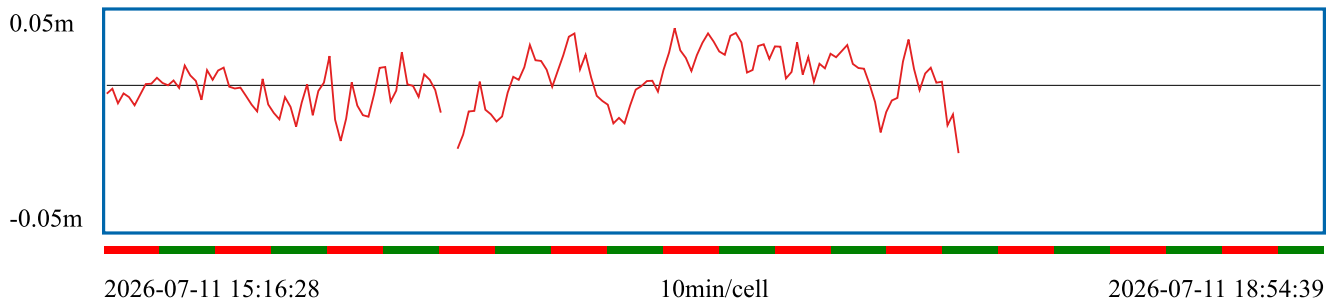
4 Tracking Summary

Satellite	Phase Sum Total Epoch：5760 ， Sampling Interval(s)：60， Ratio =14.7， RMS =0.019580
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	

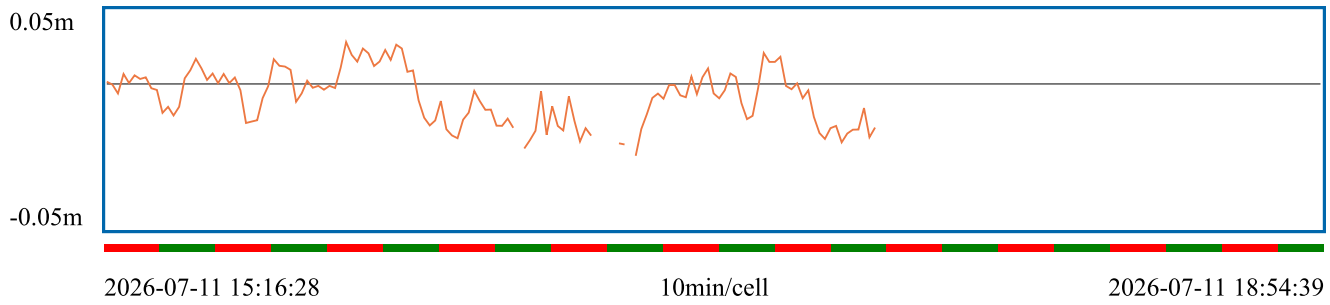


5 Residuals

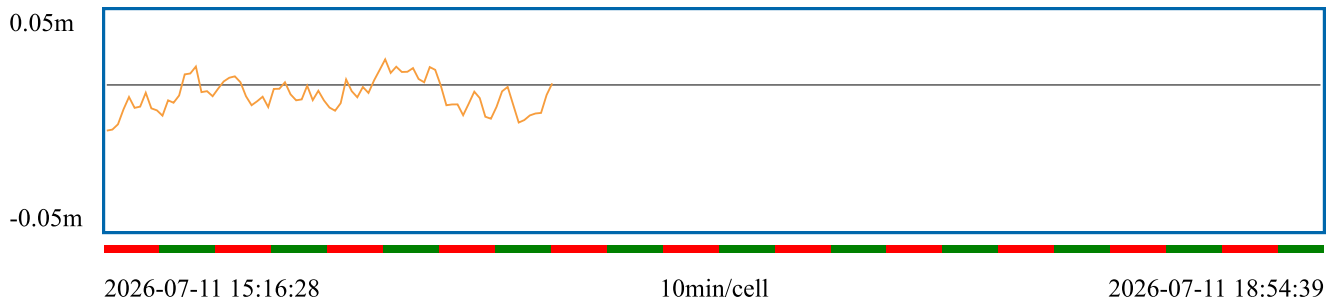
G05



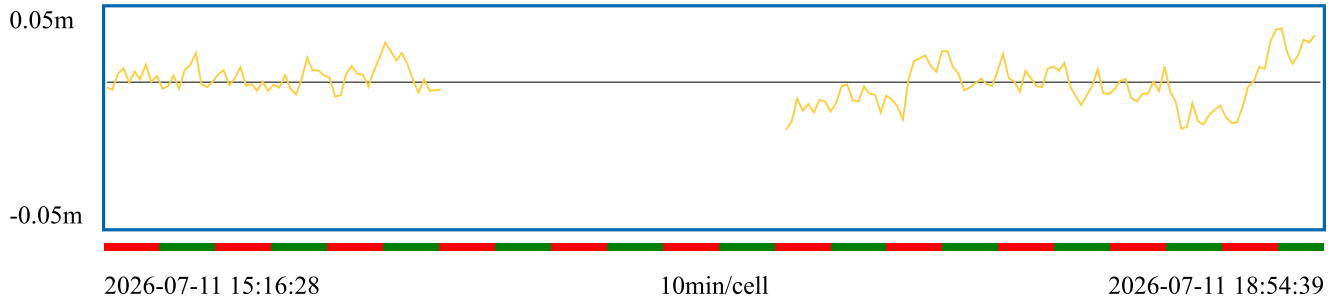
G11



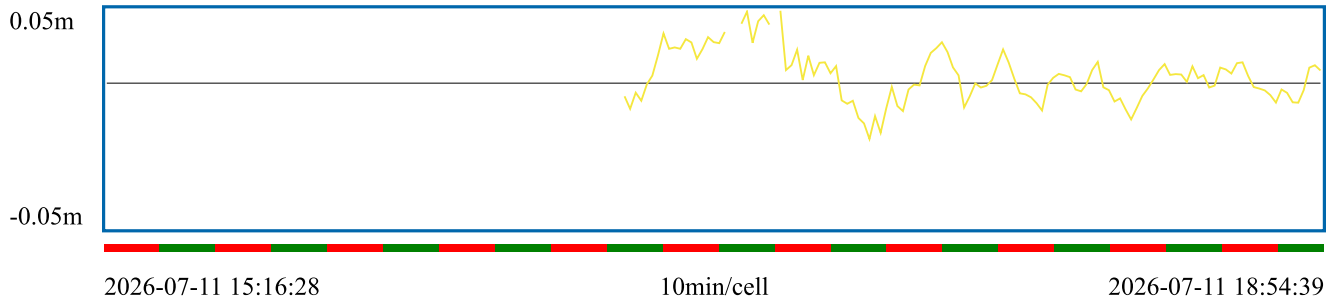
G12



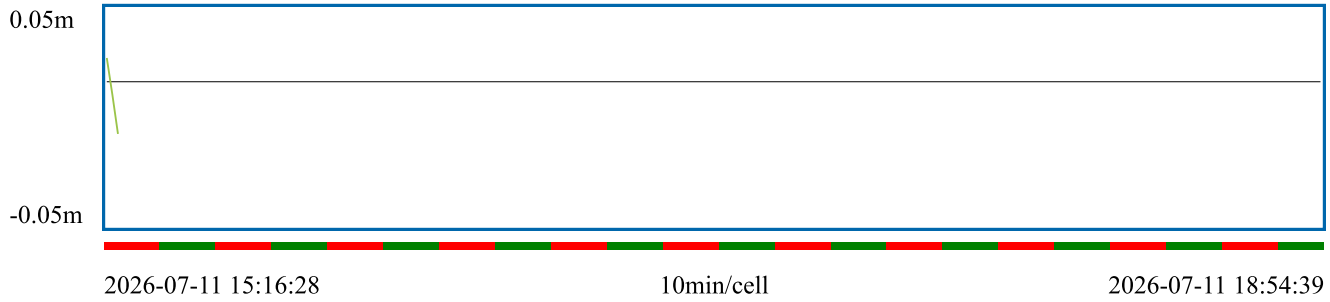
G15



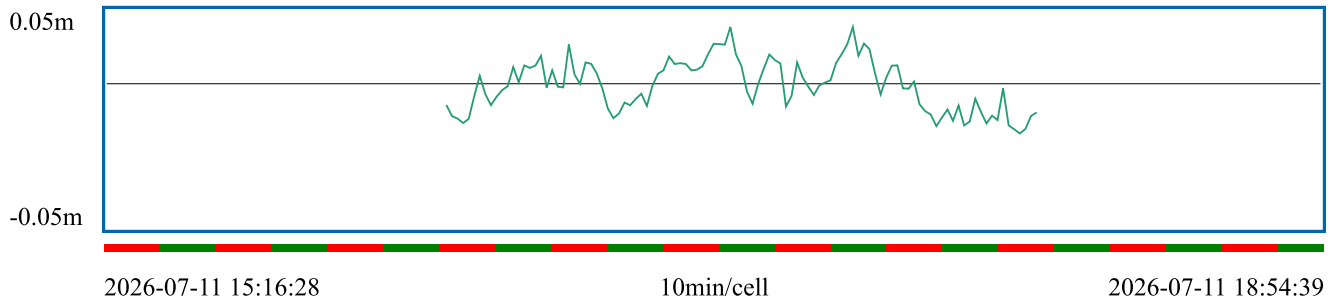
G18



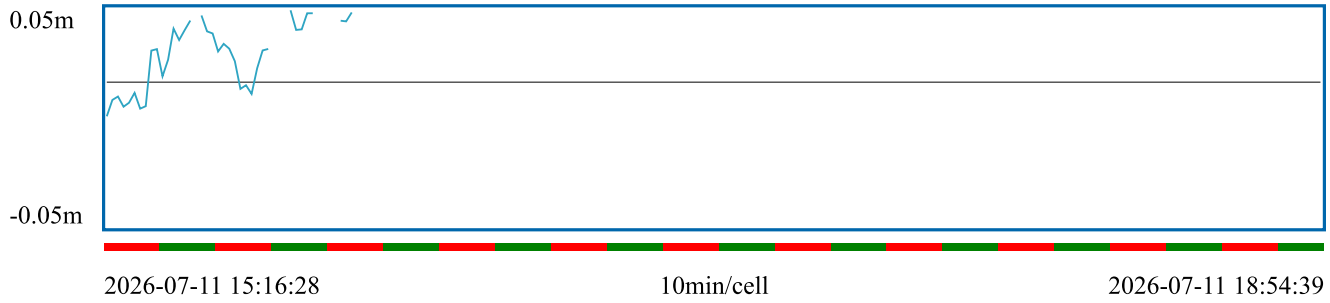
G19



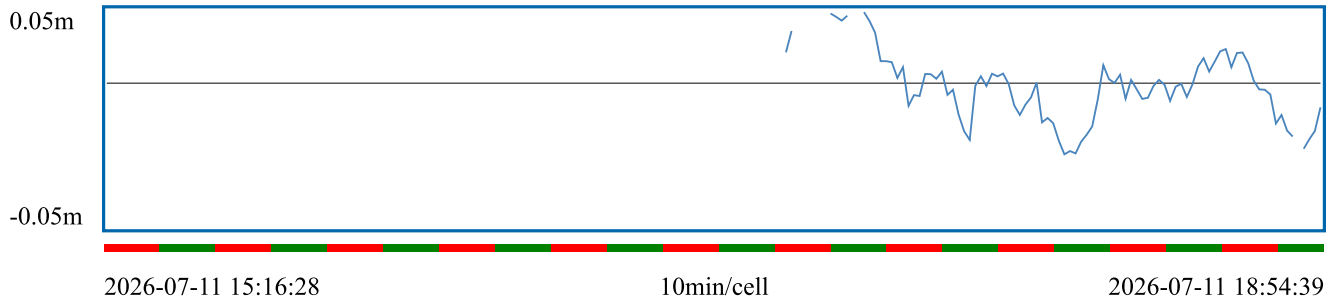
G20



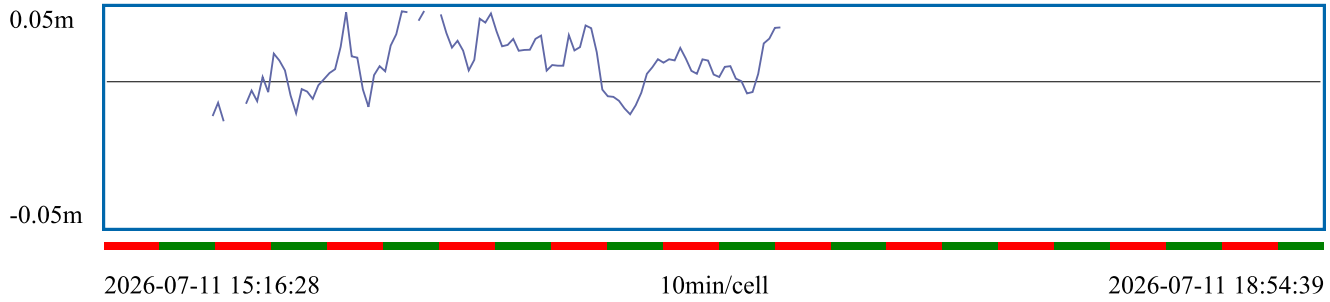
G21



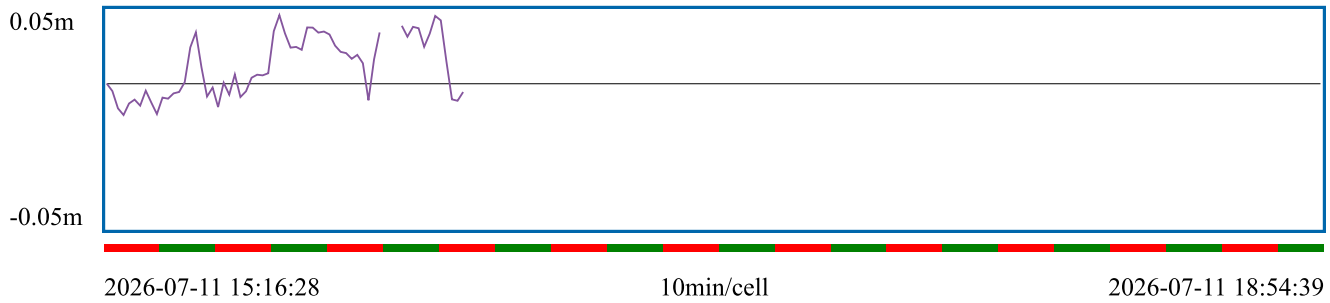
G23



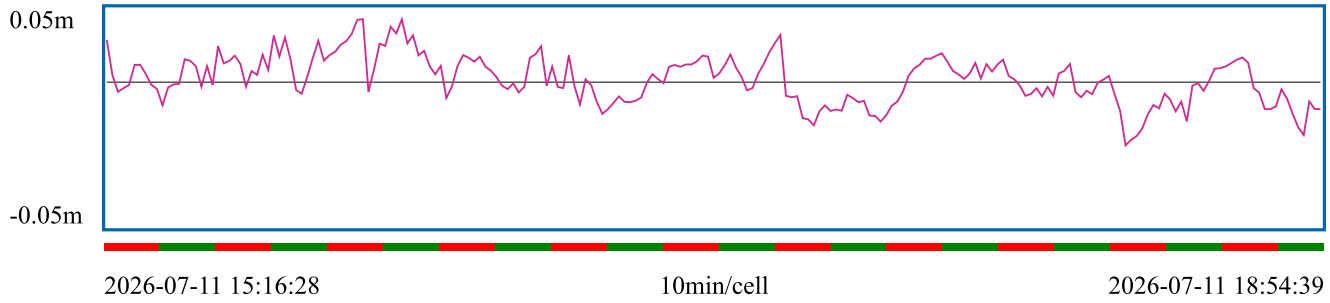
G24



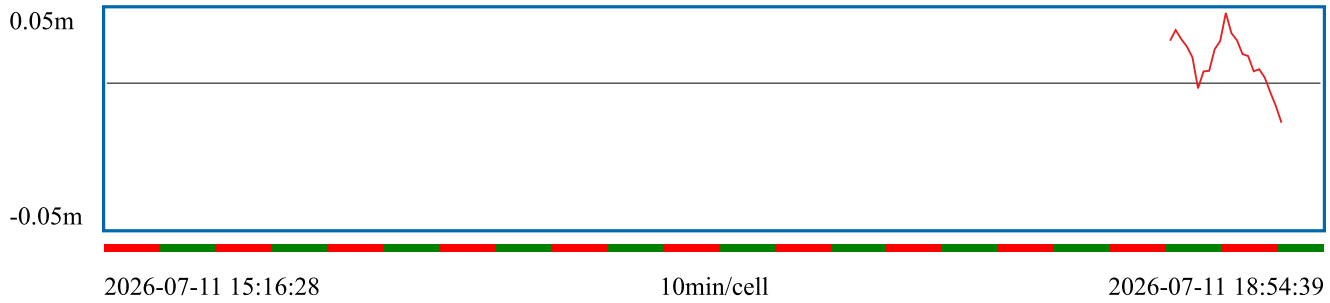
G25



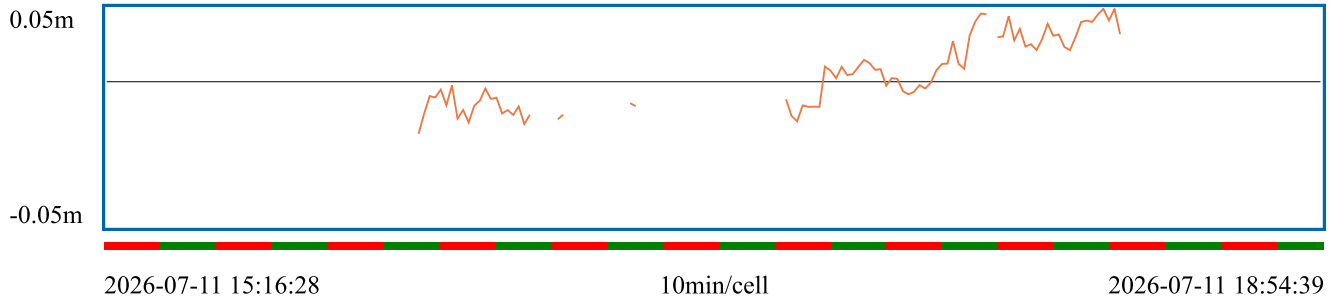
G29



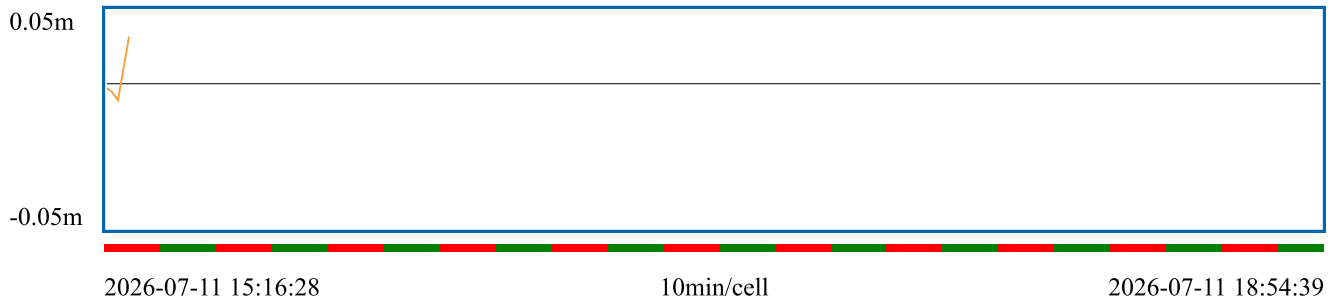
G32



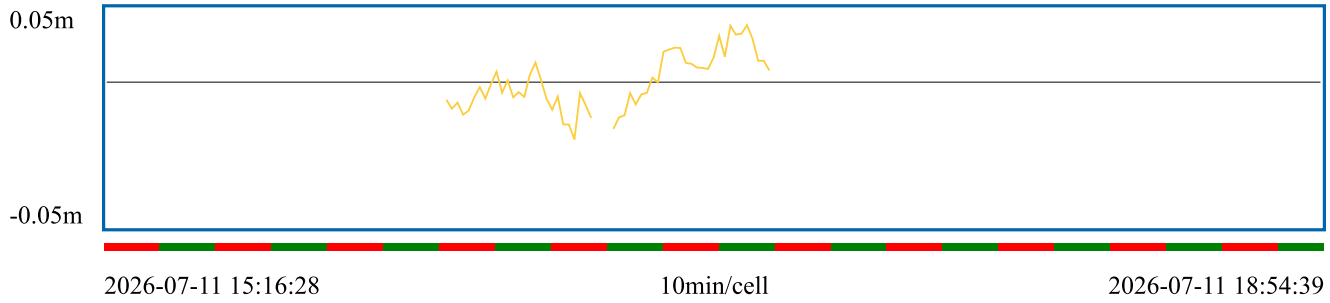
R01



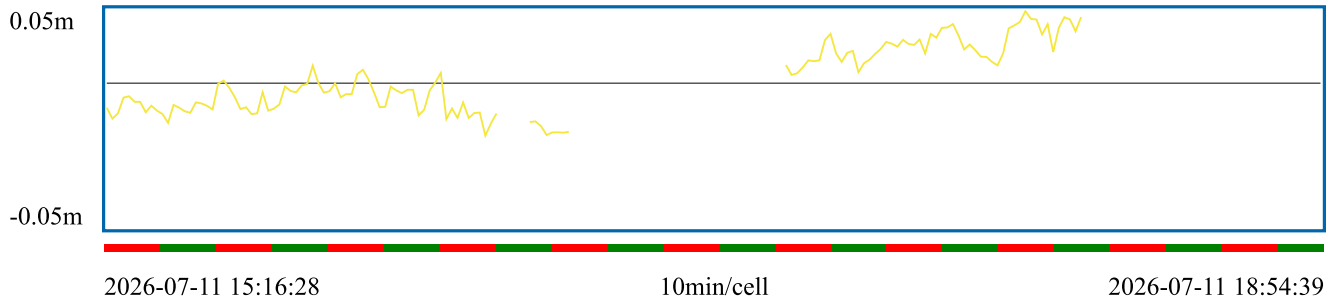
R06



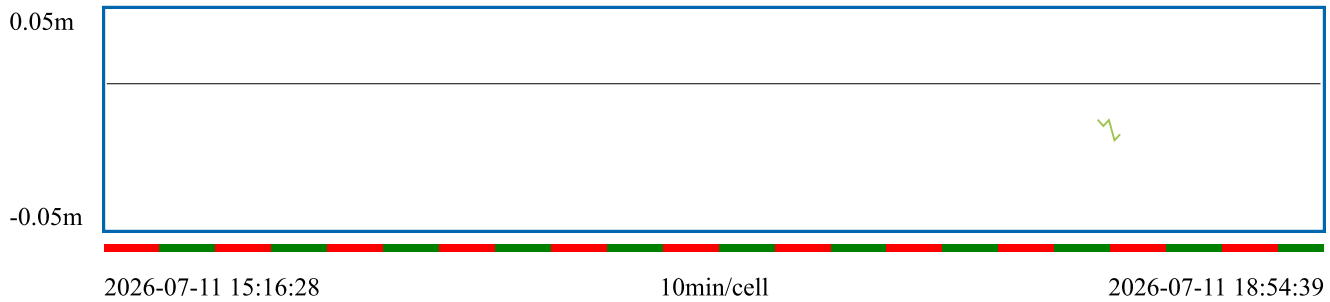
R07



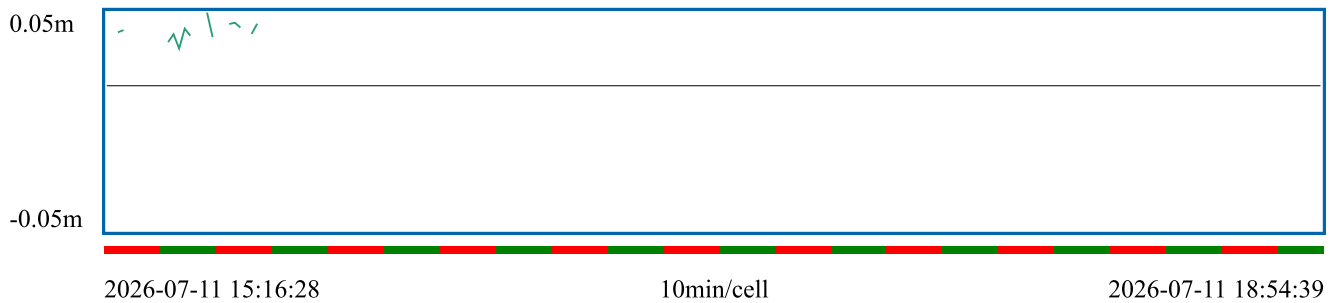
R08



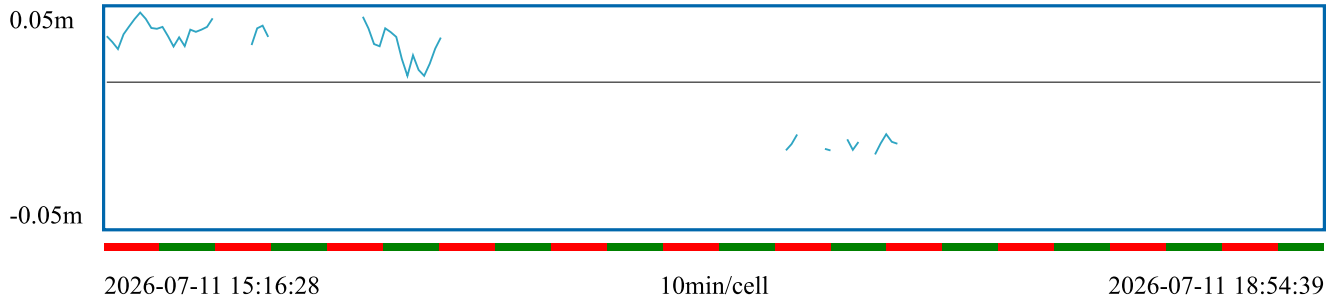
R11



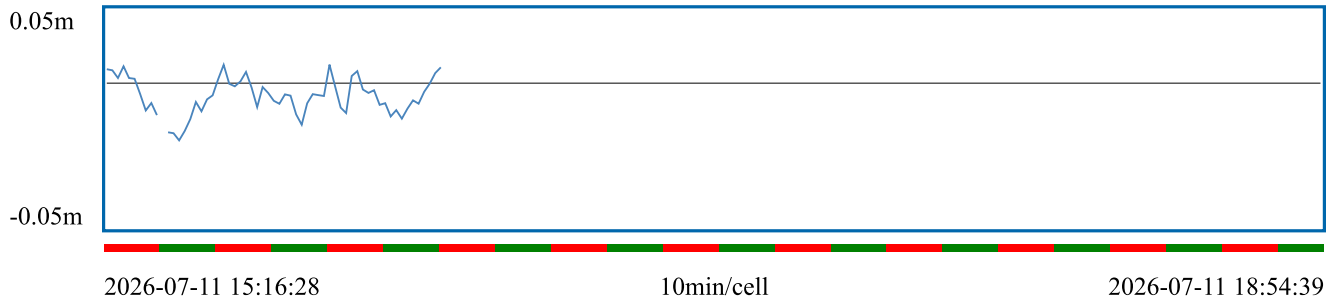
R20



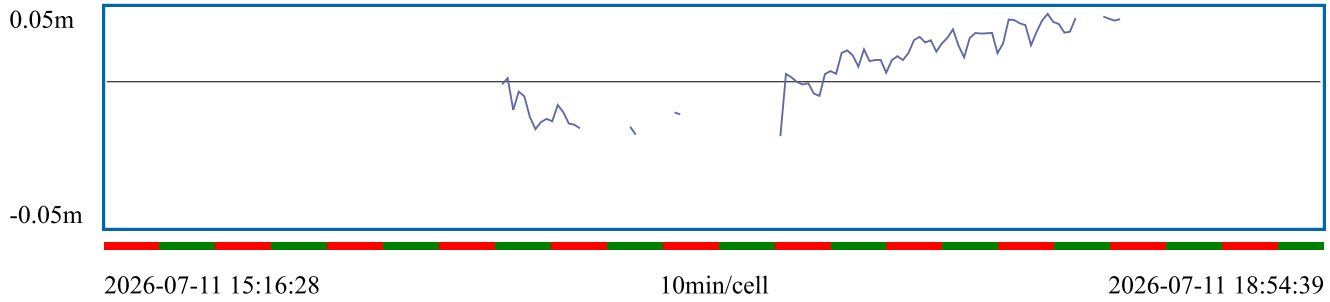
R21



R22



R23



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