



## CSRS-PPP 3.54.2 (2022-11-10)



TSNS\_20230321-015337.23O  
Z31136668026451

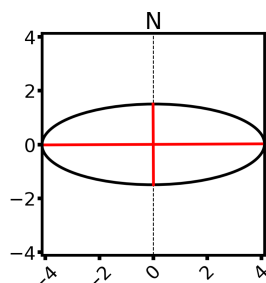
<b>Data Start</b>	<b>Data End</b>	<b>Duration of Observations</b>
2023-03-21 01:54:00.00	2023-03-24 01:54:30.00	3 days, 0:00:30
<b>Processing Time</b>		<b>Product Type</b>
03:27:43 UTC 2024/04/29		NRCan/IGS Final
<b>Observations</b>	<b>Frequency</b>	<b>Mode</b>
Phase and Code	Double	Static
<b>Elevation Cut-Off</b>	<b>Rejected Epochs</b>	<b>Fixed Ambiguities</b>
7.5 degrees	0.00 %	0.00 %
		<b>Estimation Steps</b>
		30.00 sec
<b>Antenna Model</b>	<b>APC to ARP</b>	<b>ARP to Marker</b>
HXCCGX611A HXCM	Unknown	H:1.117m / E:0.000m / N:0.000m

(APC = antenna phase center; ARP = antenna reference point)

### Estimated Position for TSNS\_20230321-015337.23O

	Latitude (+n)	Longitude (+e)	Ell. Height
<b>ITRF20 (2023.2)</b>	8° 45' 44.02420"	99° 54' 53.45996"	-5.649 m
<b>Sigmas(95%)</b>	0.001 m	0.003 m	0.006 m
<b>A priori*</b>	8° 45' 44.01051"	99° 54' 53.45809"	-3.372 m
<b>Estimated – A priori</b>	0.421 m	0.057 m	-2.277 m

**95% Error Ellipse (mm)**  
semi-major: 4 mm  
semi-minor: 1 mm  
semi-major azimuth: 89° 43' 0.1"



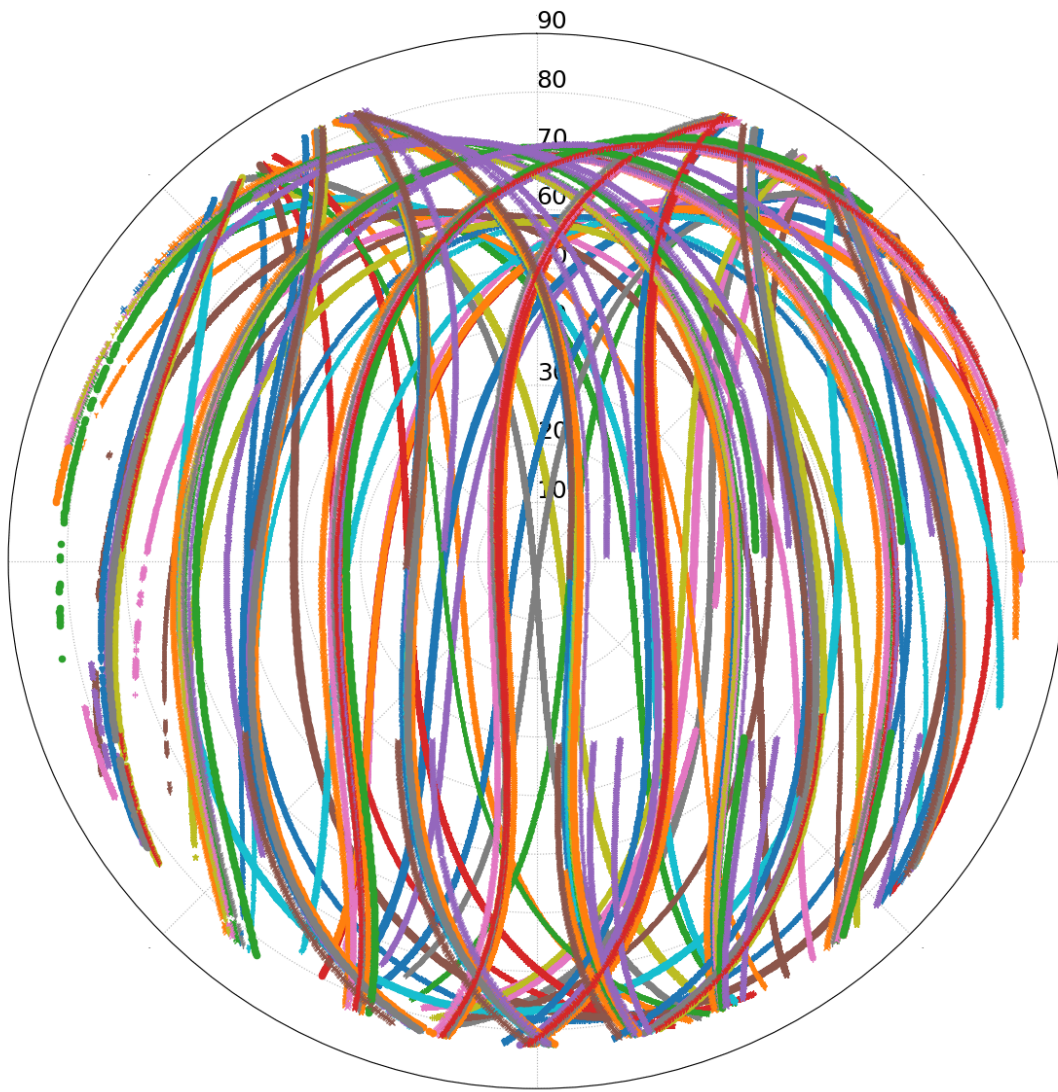
**UTM (North)  
Zone 47**

968687.424 m (N)  
600623.715 m (E)

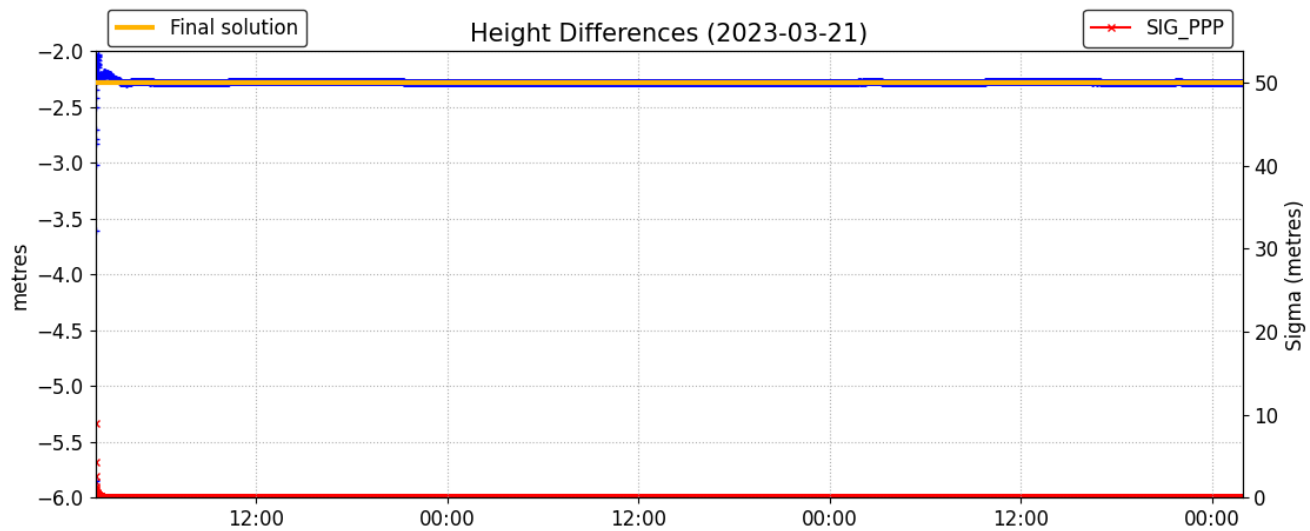
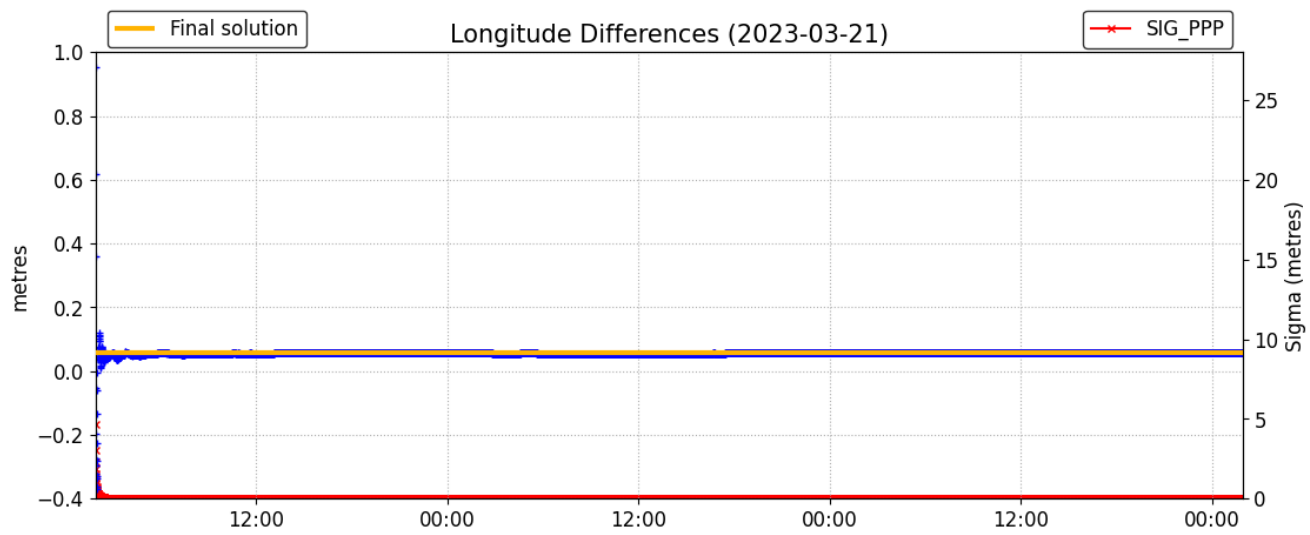
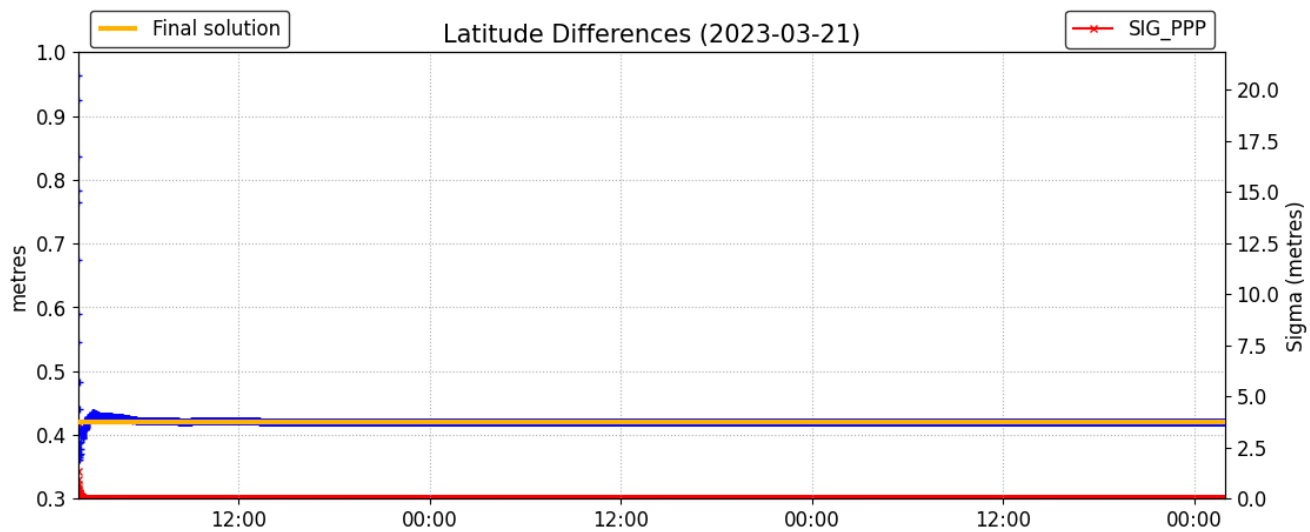
Scale Factors  
0.99972530 (point)  
0.99972619 (combined)

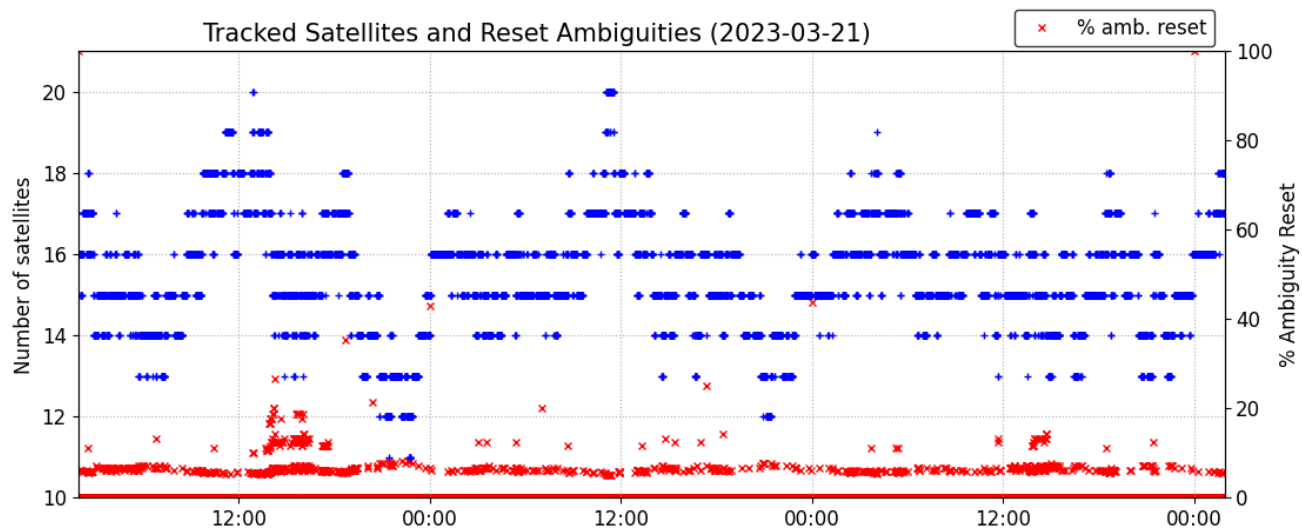
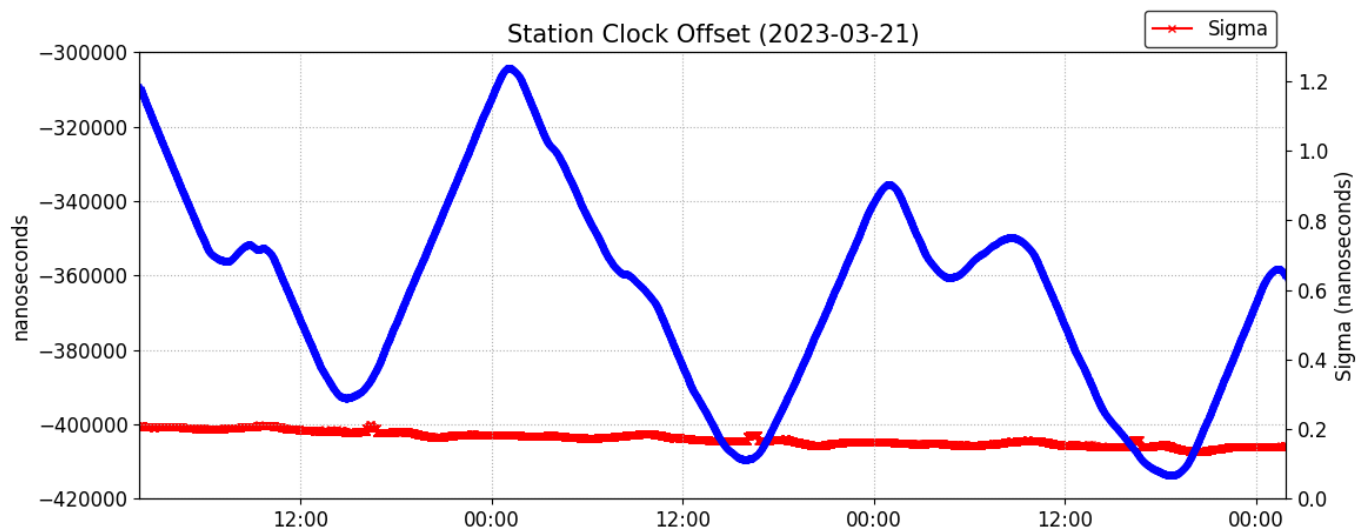
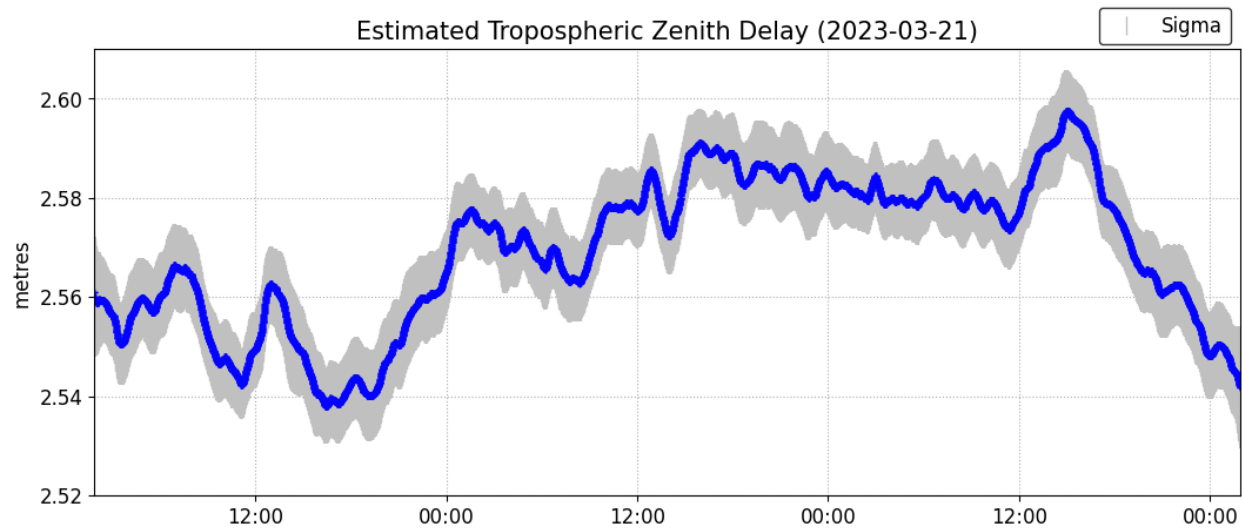
\*(Coordinates from RINEX header used as a priori position)

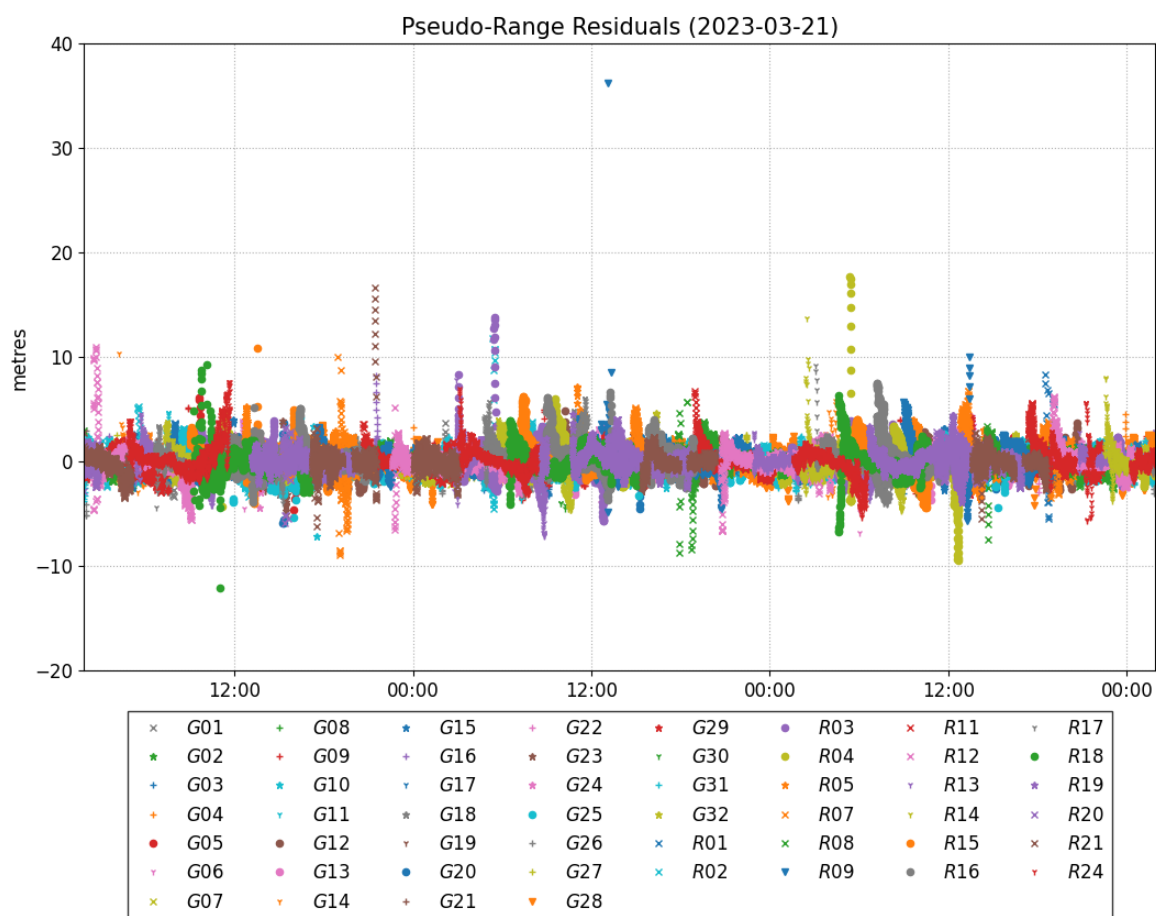
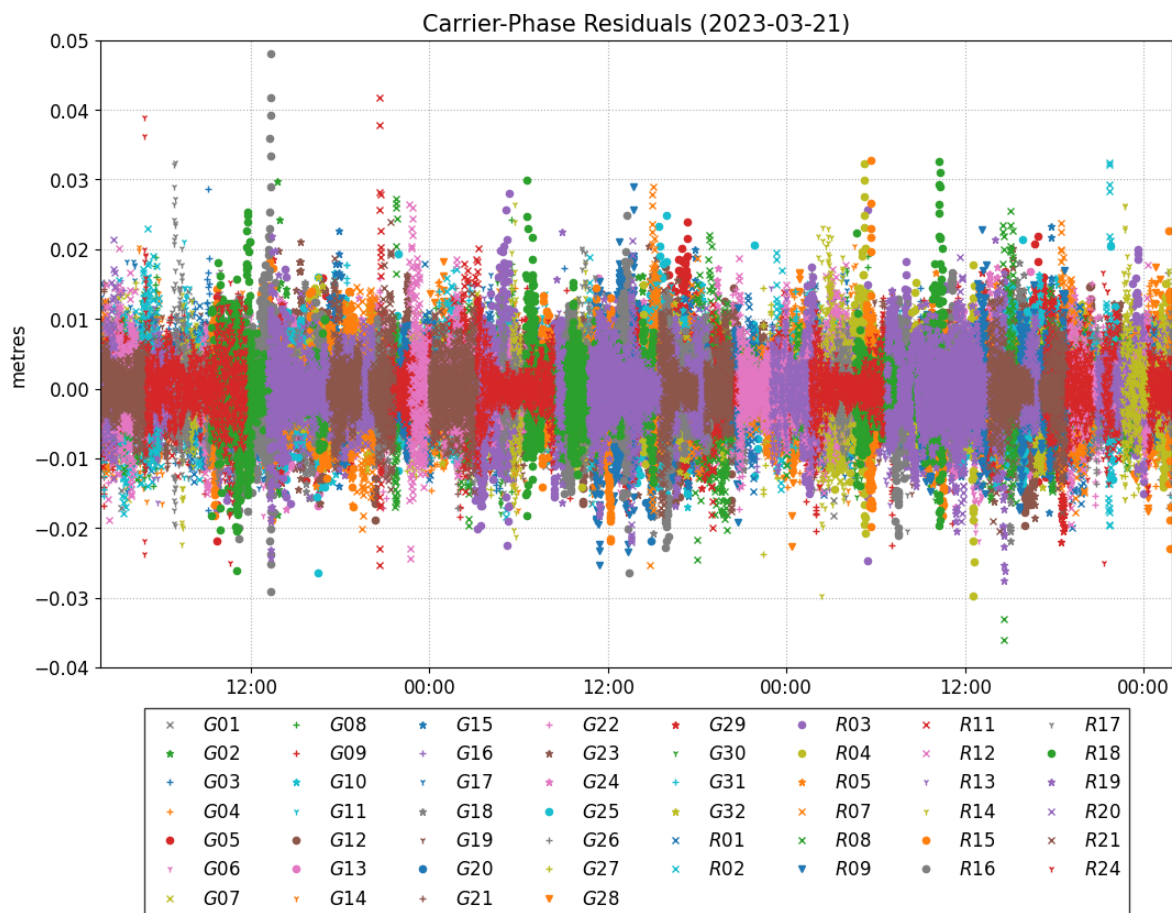
Satellite Sky Distribution



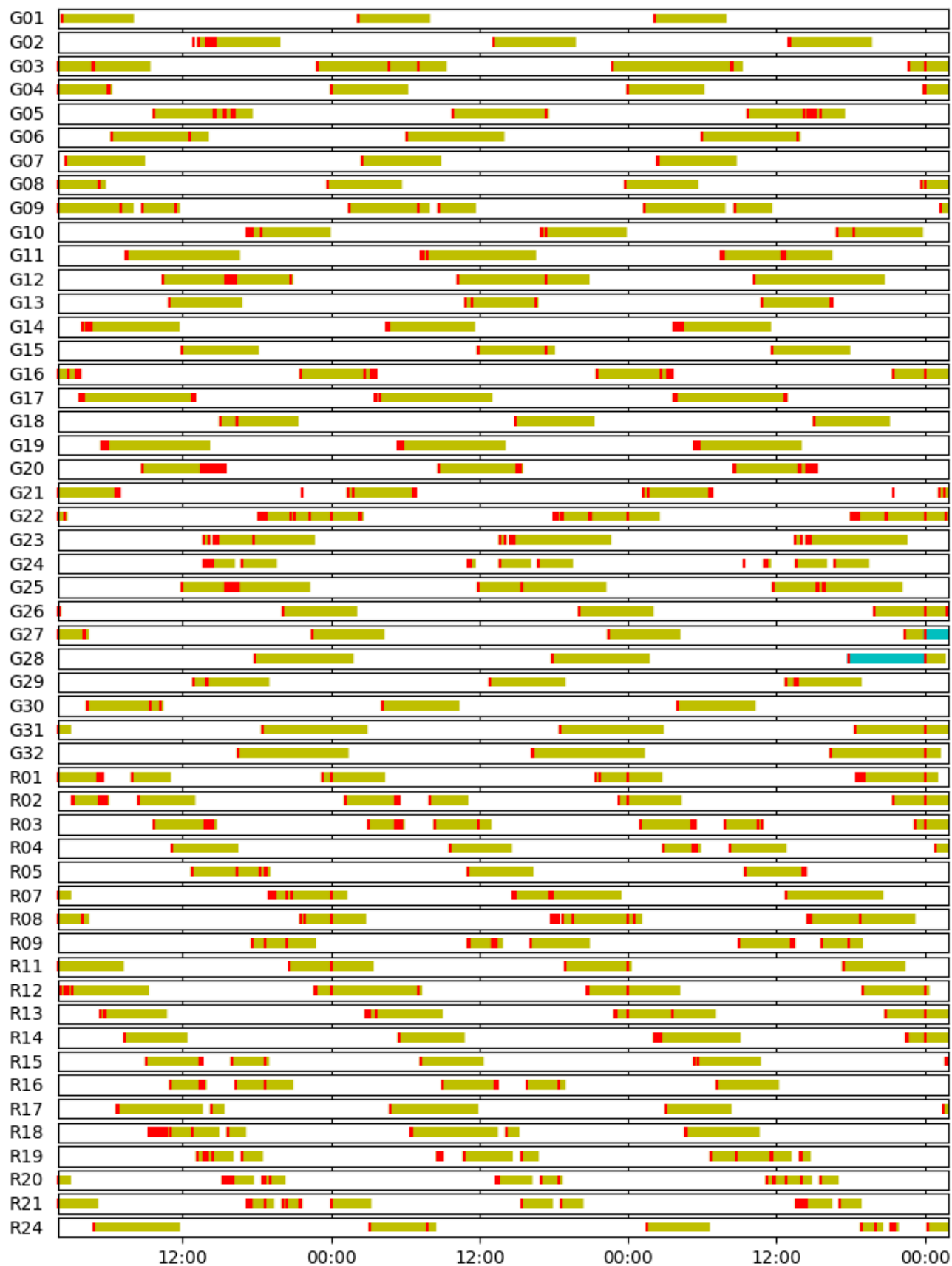
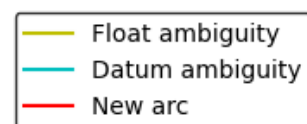
×	G01	✦	G10	▼	G19	▼	G28	★	R05	●	R15
✦	G02	▼	G11	●	G20	★	G29	✦	R07	●	R16
+	G03	●	G12	+	G21	▼	G30	✦	R08	▼	R17
✦	G04	✦	G13	✦	G22	✦	G31	▼	R09	●	R18
●	G05	▼	G14	★	G23	✦	G32	✦	R11	✦	R19
▼	G06	★	G15	✦	G24	✦	R01	✦	R12	✦	R20
✦	G07	✦	G16	●	G25	✦	R02	▼	R13	✦	R21
✦	G08	▼	G17	+	G26	●	R03	▼	R14	▼	R24
✦	G09	★	G18	✦	G27	●	R04				







# Phase Ambiguity Status (2023-03-21)



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