



CSRS-PPP 5.13.0 (2025-06-16)



2023091704GNSS_A.obs

Data Start		Data End		Duration of Observations	
2023-09-17 04:00:30.00		2023-09-17 05:00:00.00		0:59:30	
Processing Time		Mode		Product Type	
01:18:26 UTC 2025/07/24		Static		<u>Final</u>	
Observations					
GPS : C1 C2 L1 L2			Galileo : C1 C5 L1 L5		
Elevation Cut-Off		Rejected Epochs		Fixed Ambiguities	
7.5 degrees		60.00 %		0.00 %	
Antenna Model		<u>APC to ARP</u>		ARP to Marker	
Unknown		REF PCO^ : NULL		H:0.000m / E:0.000m / N:0.000m	

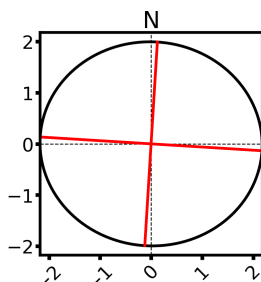
(APC = antenna phase center; ARP = antenna reference point; REF PCO = reference phase center offset)

^For signals without PCO calibrations, CSRS-PPP applies and/or estimates the PCOs relative to the REF PCO

Estimated Position for 2023091704GNSS_A.obs

	Latitude (+n)	Longitude (+e)	Ell. Height
ITRF20 (2023.7)	37° 15' 16.23918"	119° 27' 9.86401"	3.351 m
Sigmas(95%)	1.597 m	1.742 m	3.268 m
A priori*	37° 15' 16.11832"	119° 27' 9.63424"	25.599 m
Estimated – A priori	3.726 m	5.662 m	-22.248 m

95% Error Ellipse (m)
 semi-major: 2.176 m
 semi-minor: 1.994 m
 semi-major azimuth: -86° 32' 24.21"

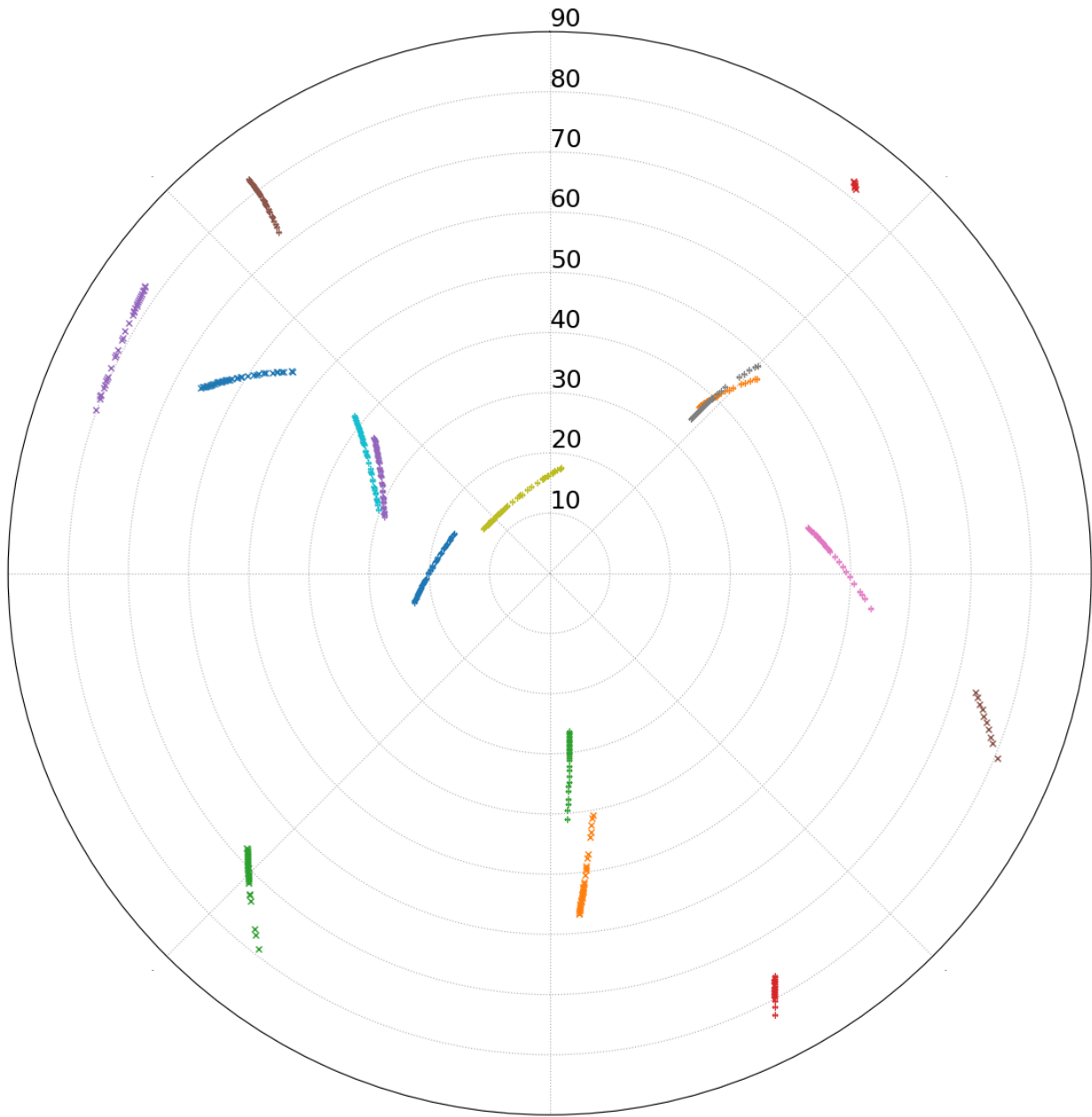


UTM (North)
Zone 50

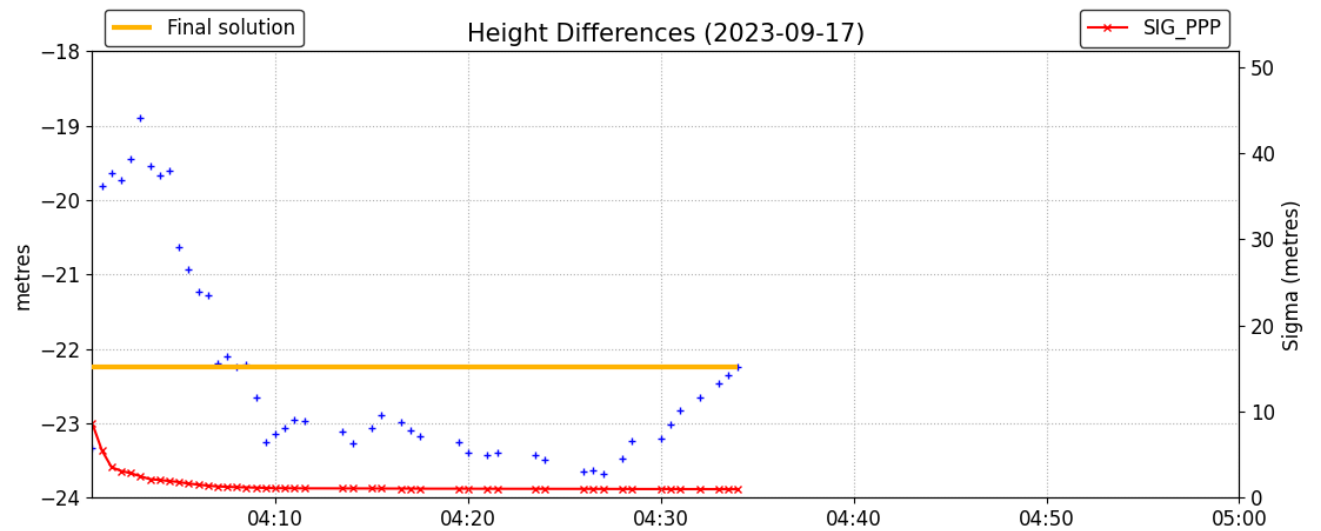
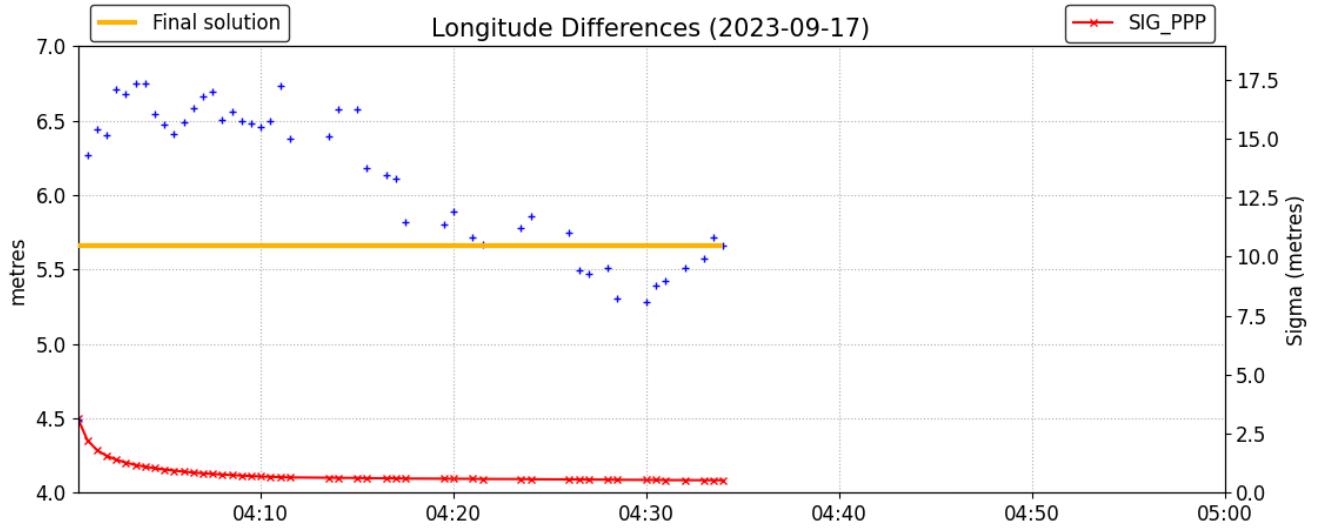
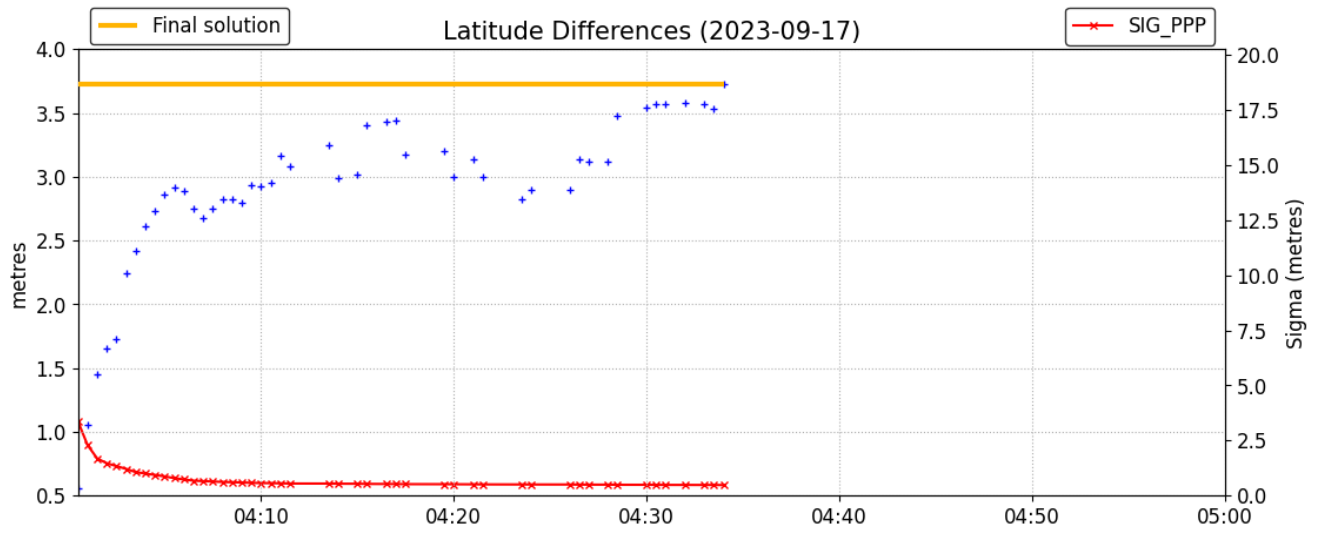
4125926.172 m (N)
 717523.534 m (E)
 Scale Factors
 1.00018290 (point)
 1.00018237 (combined)

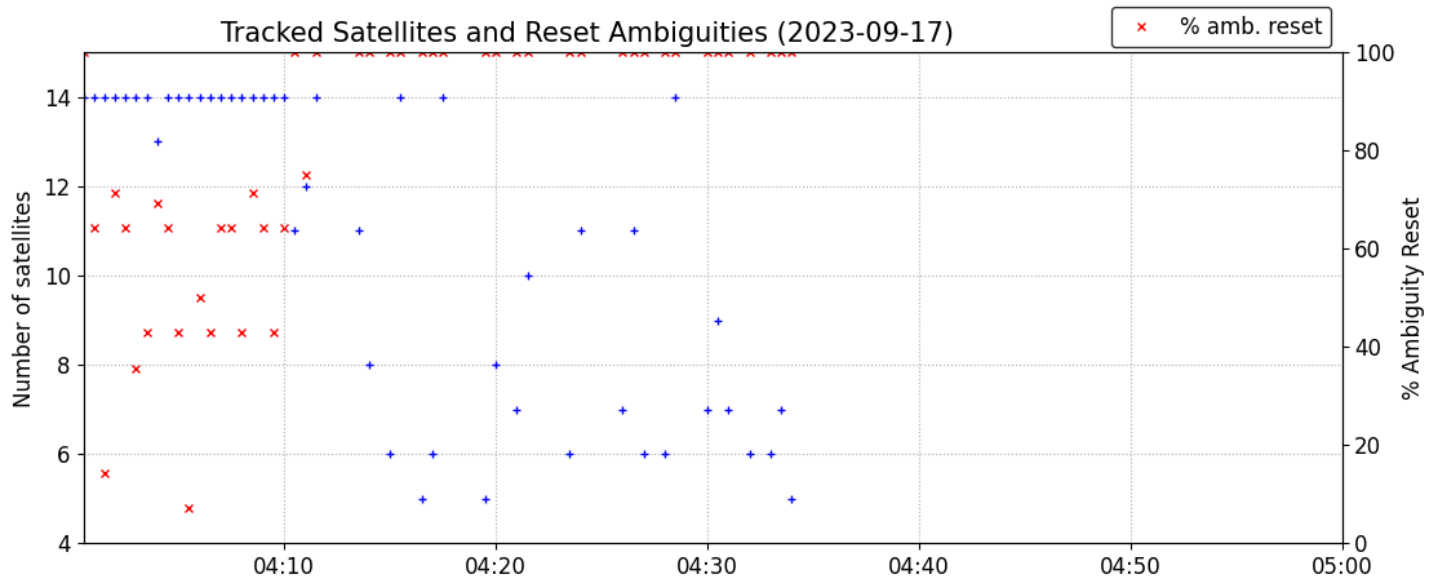
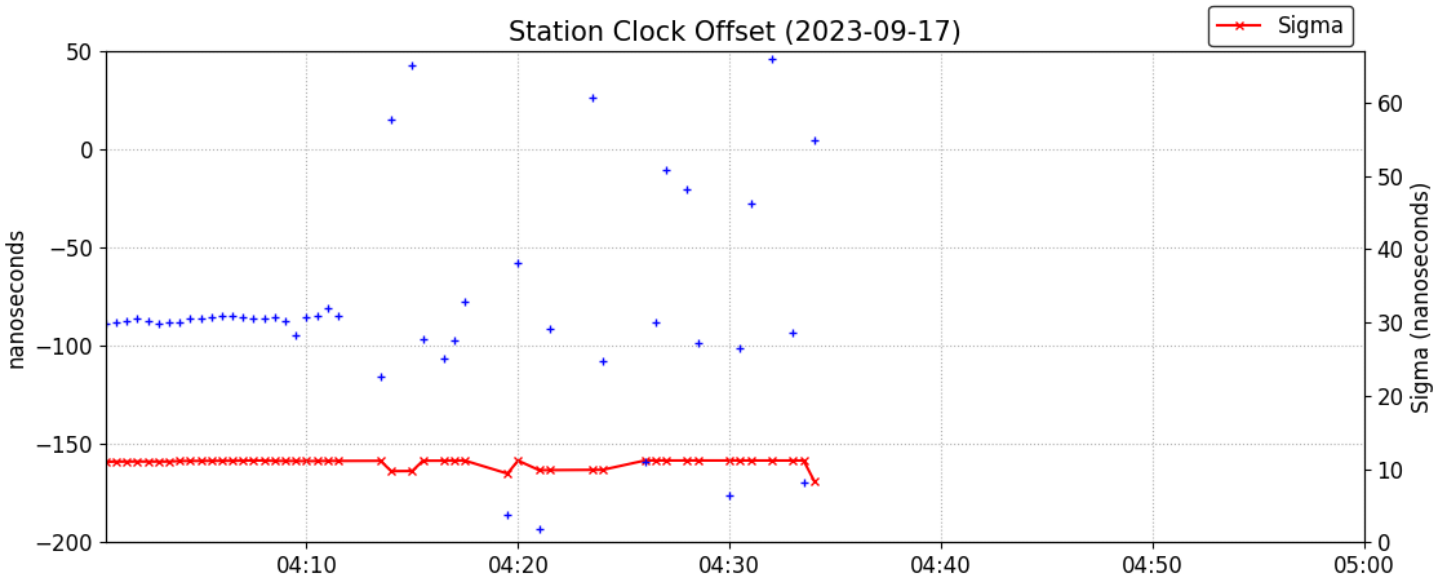
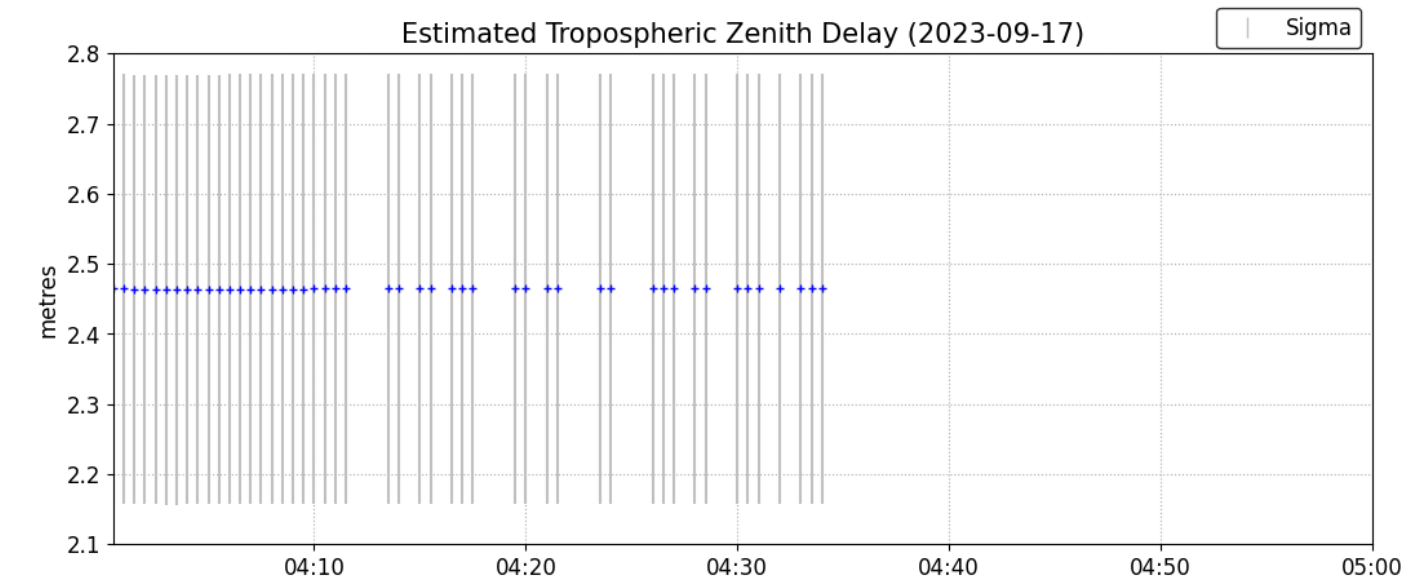
*(Coordinates from RINEX header used as a priori position)

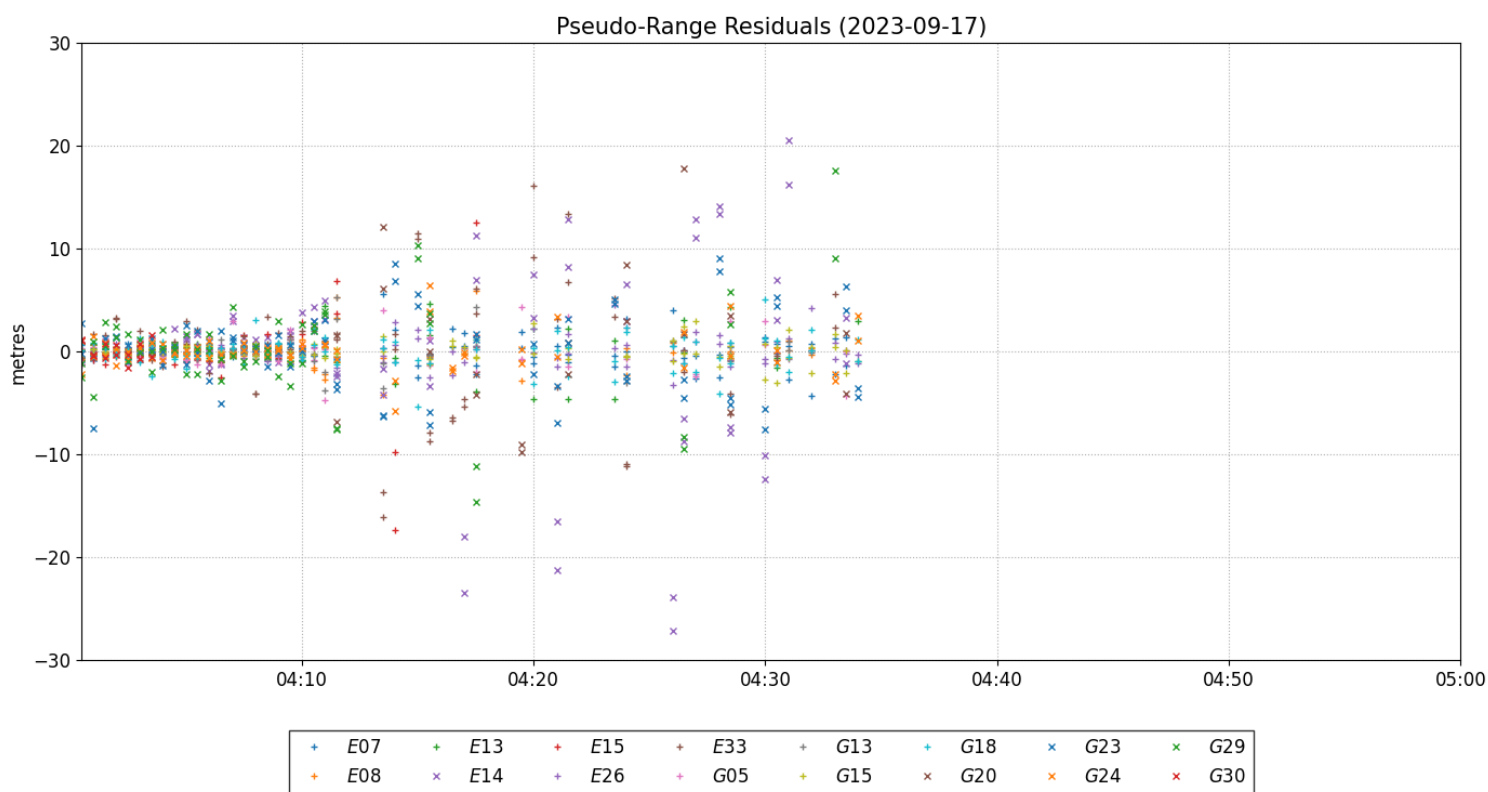
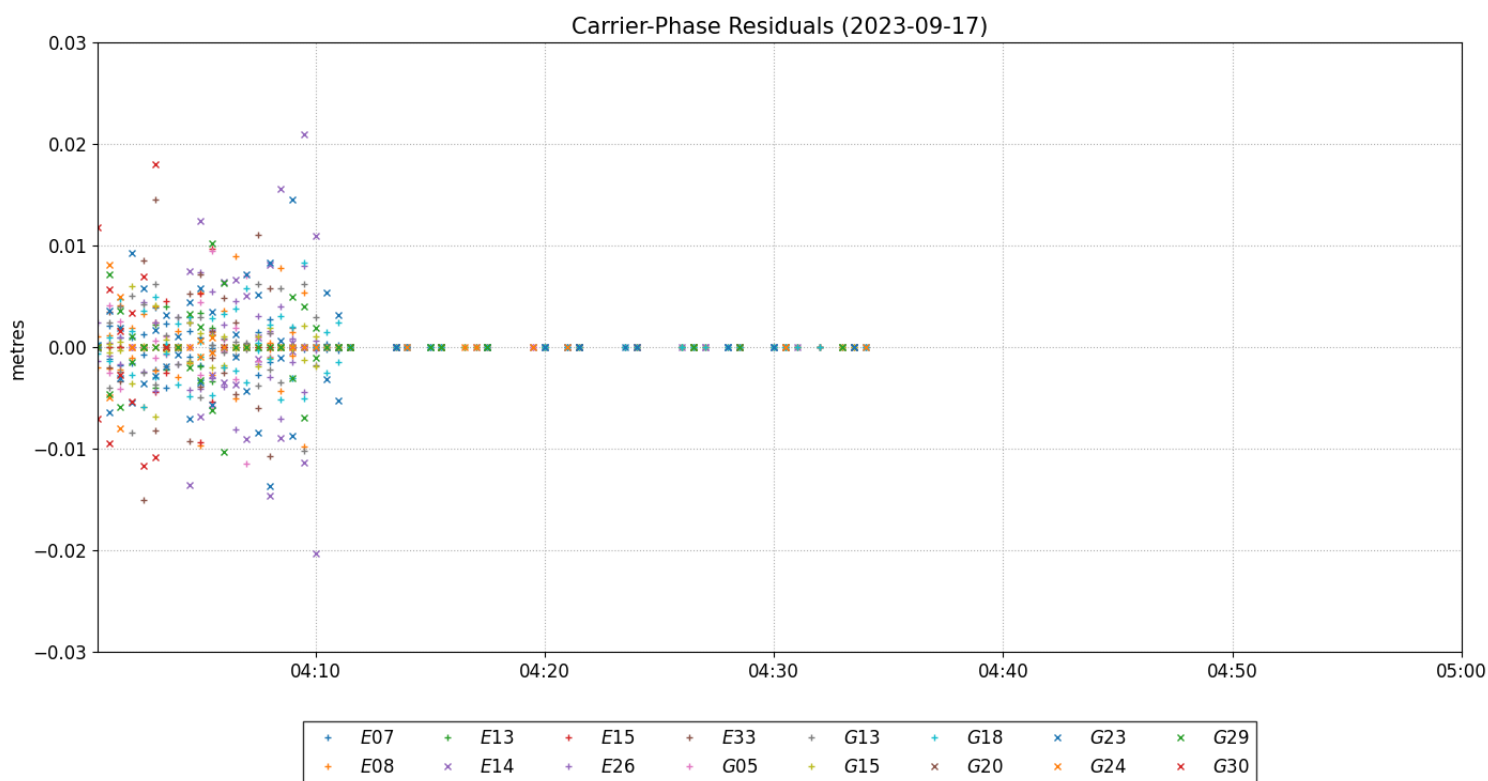
Satellite Sky Distribution



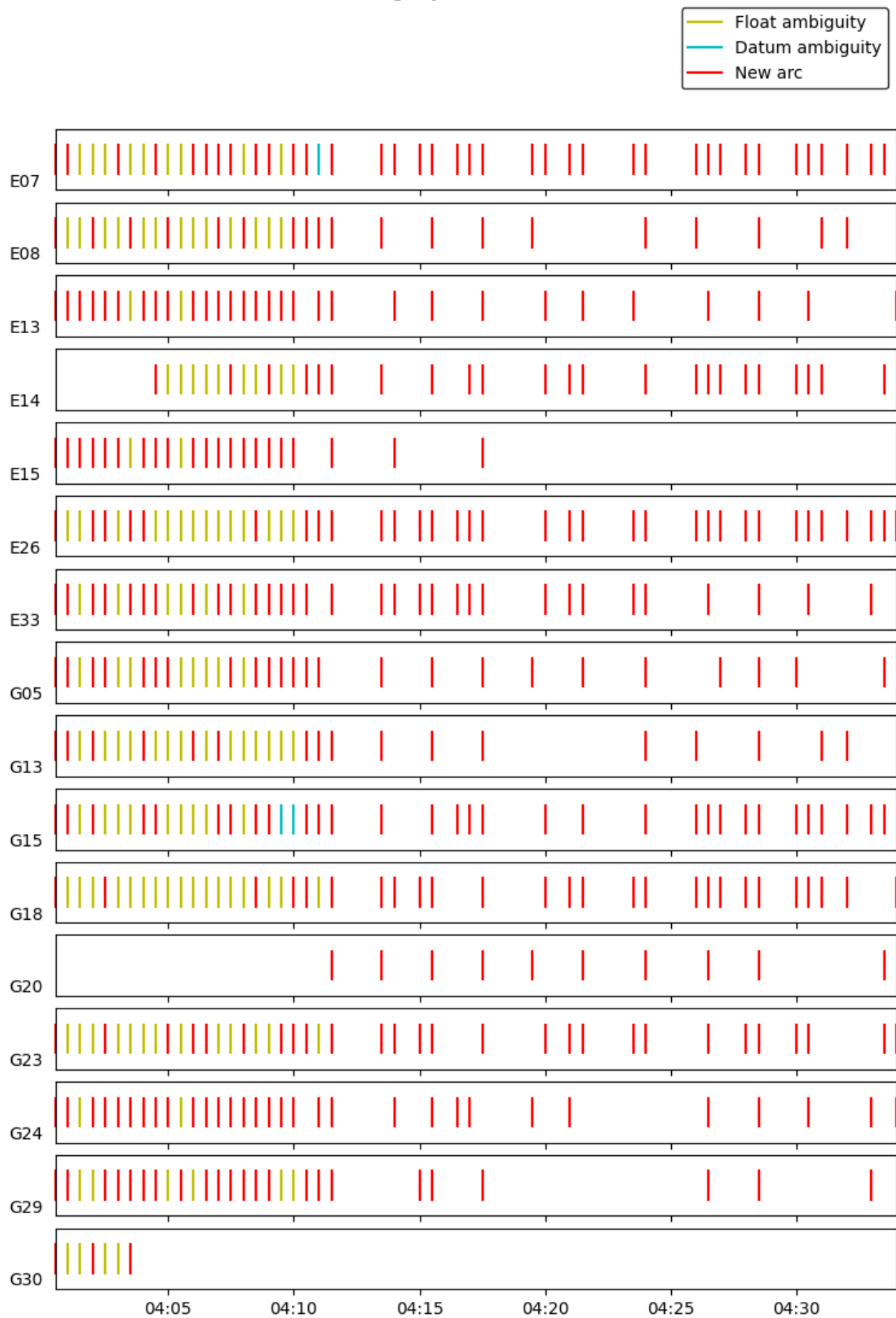
+	E07	×	E14	+	E33	+	G15	×	G23	×	G29
+	E08	+	E15	+	G05	+	G18	×	G24	×	G30
+	E13	+	E26	+	G13	×	G20				







Phase Ambiguity Status (2023-09-17)



~~~ Disclaimer ~~~

Natural Resources Canada does not assume any liability deemed to have been caused directly or indirectly by any content of its CSRS-PPP online positioning service.

**Use of Canadian Geodetic Survey products and data is subject to the
Open Government Licence - Canada**

If you have any questions, please feel free to contact:

Canadian Geodetic Survey

Natural Resources Canada

Ottawa, Ontario, Canada

Email: geodeticinformation-informationgeodesique@nrcan-rncan.gc.ca



**Natural Resources
Canada**

**Ressources naturelles
Canada**

Canada