

GNSS observation file monitoring for CASC

Last RINEX file: CASC1970.25D.Z

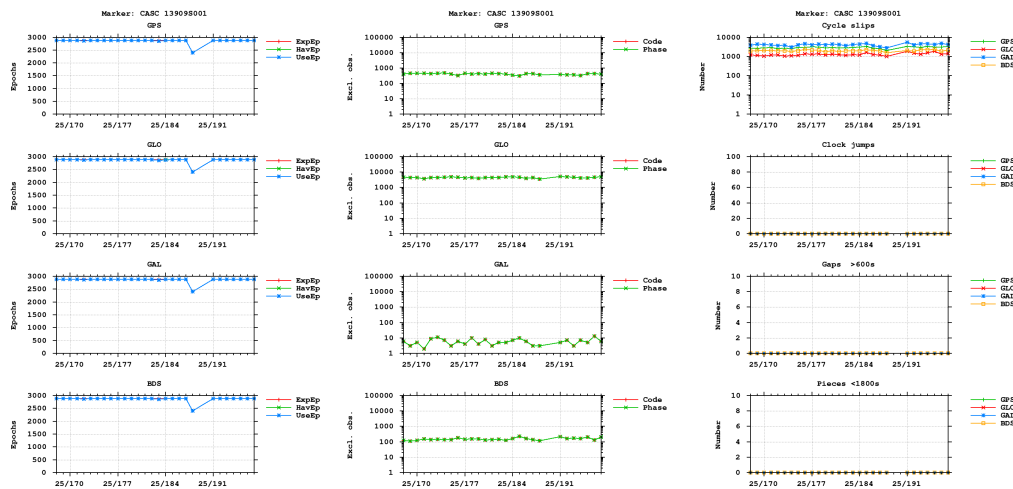
RINEX version: 3.04

Marker: CASC 13909S001

Receiver: 5923R402 TRIMBLE ALLOY 6.23

Antenna: 5925338550 TRM159900.00 NONE

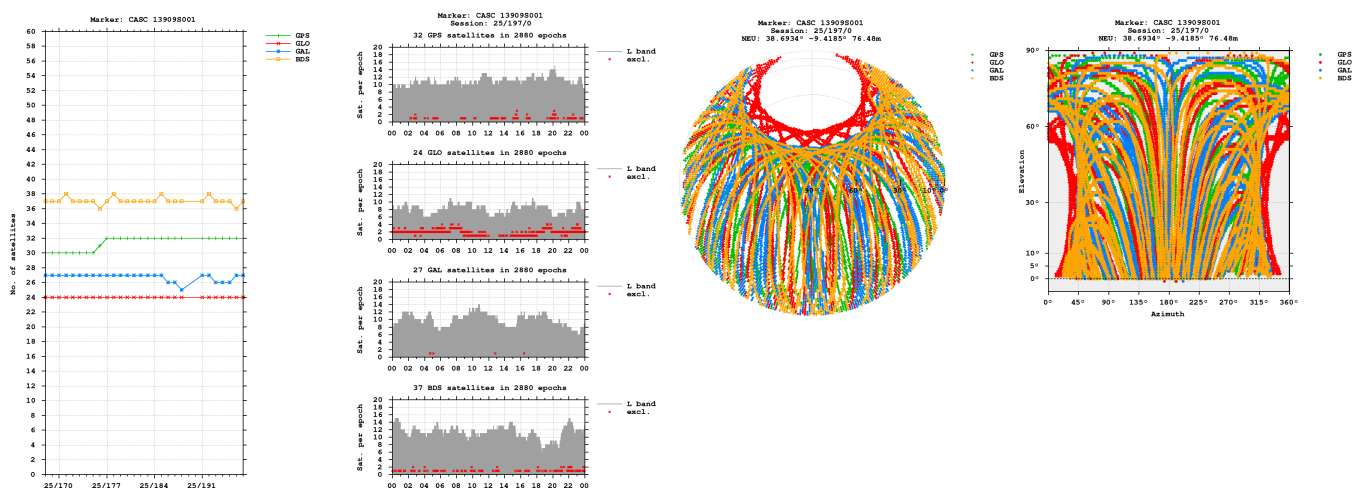
Epochs



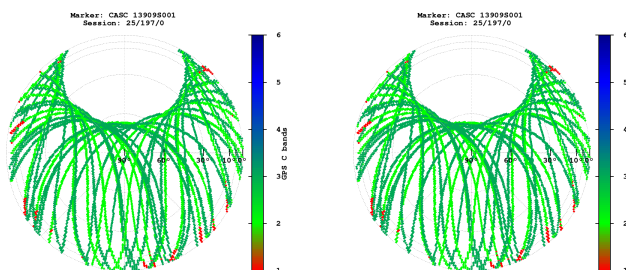
- "UseEp": The usable epoch is introduced if four or more satellites are observed with the minimum of two frequencies.

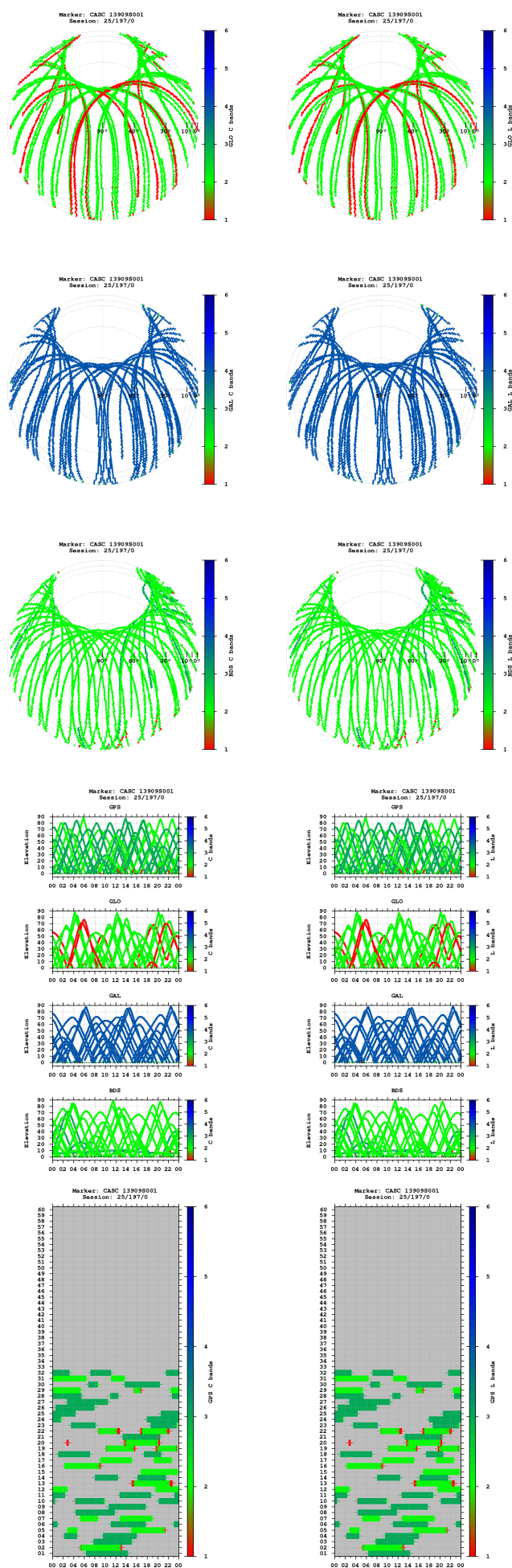
- Cycle slip detection algorithm is based on Melbourne-Wübbena and geometry-free LC.

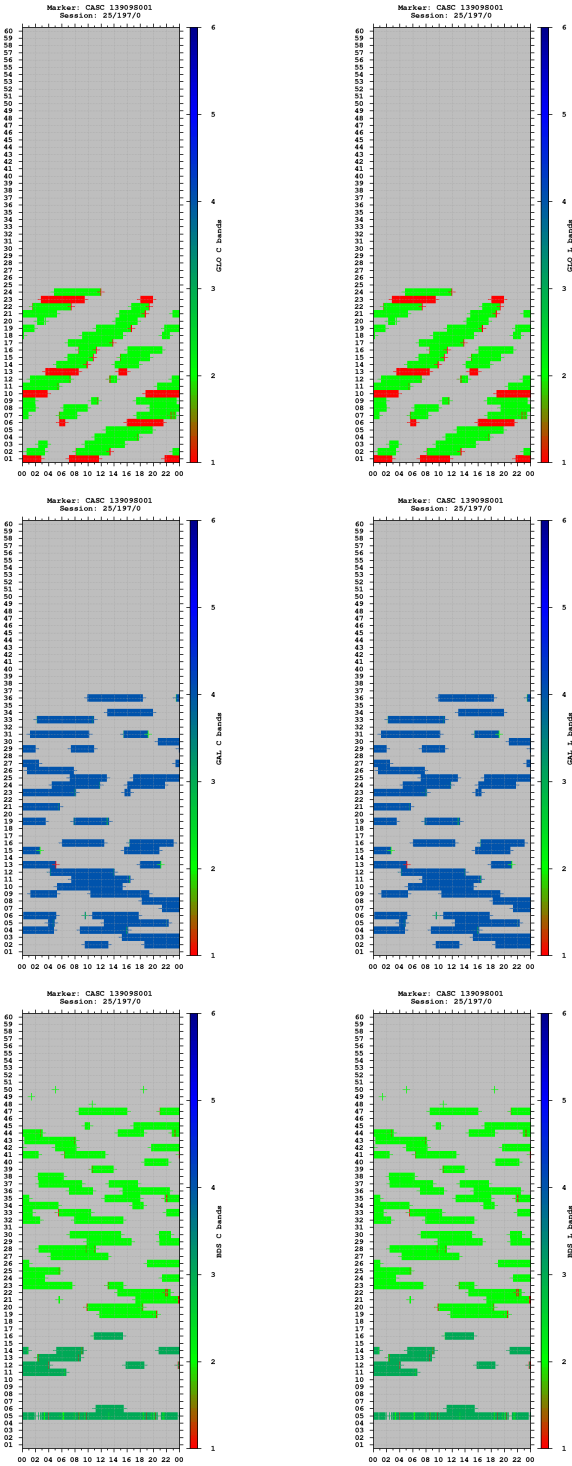
Satellites



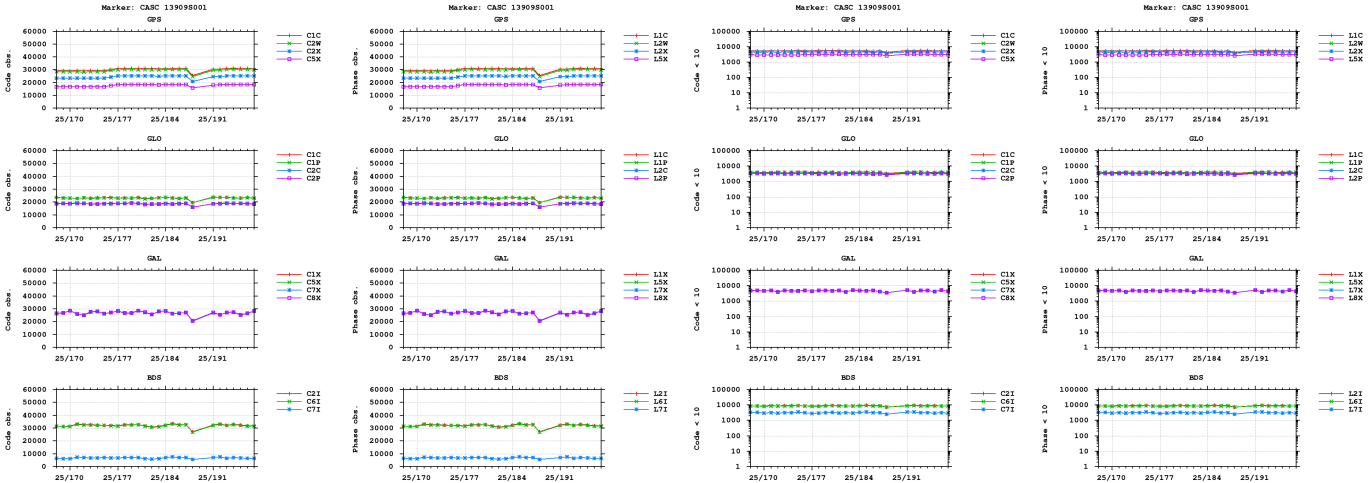
Bands



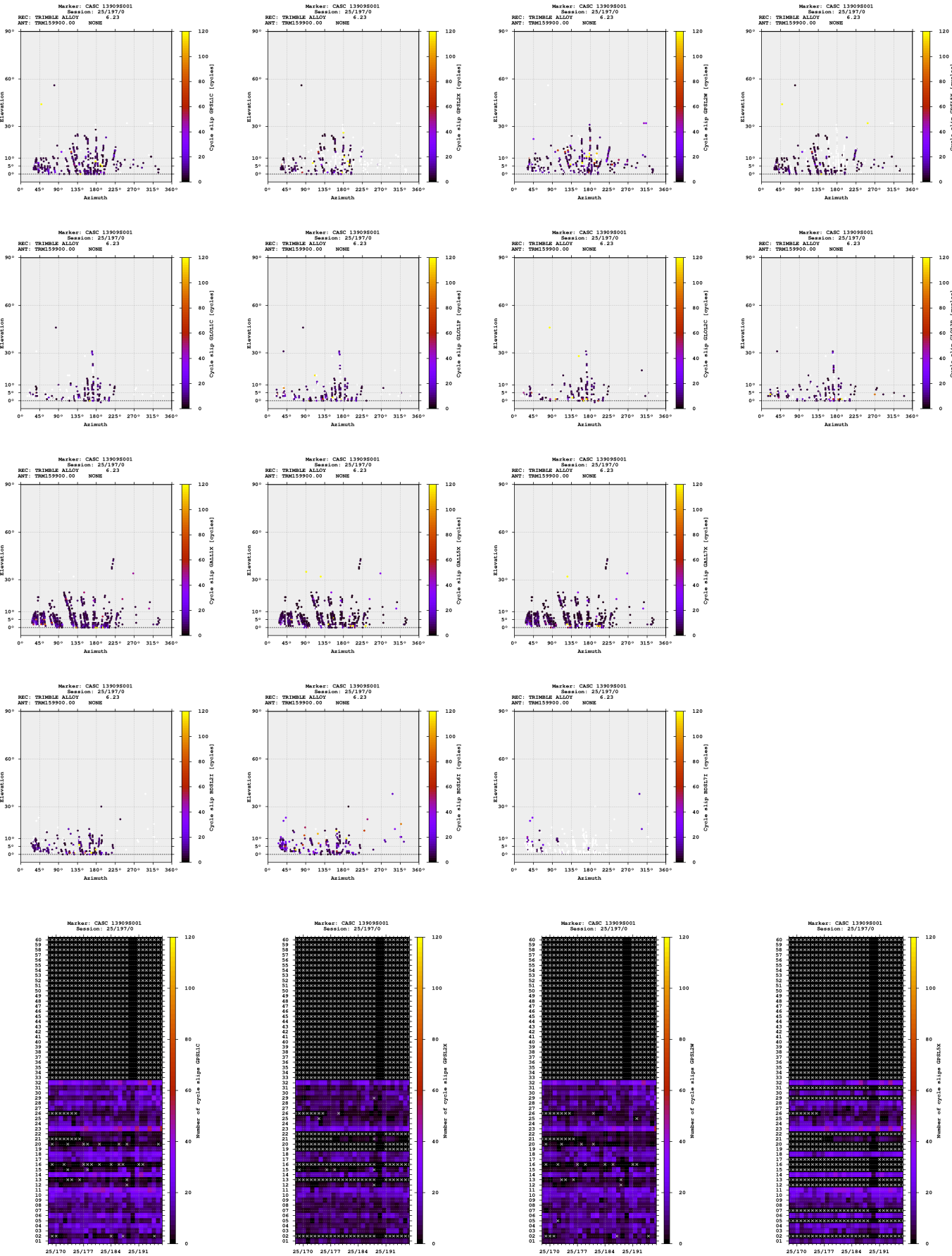


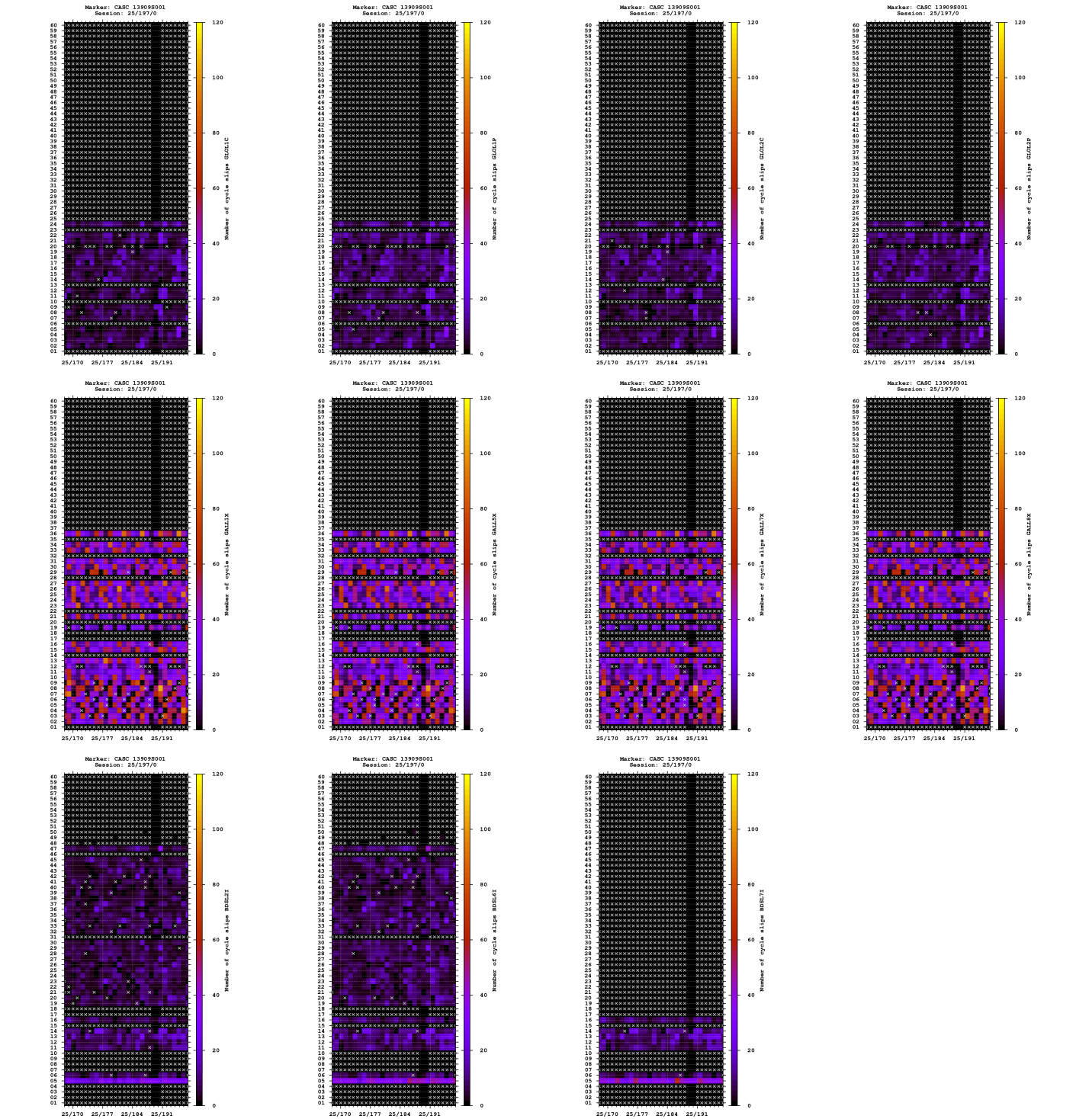


Observations

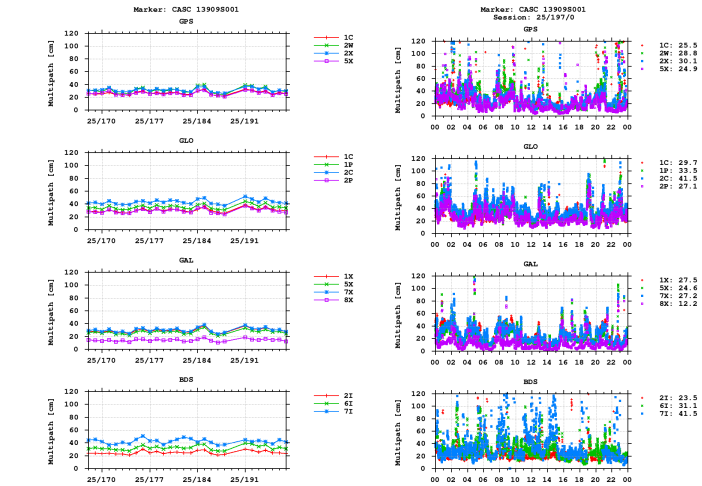


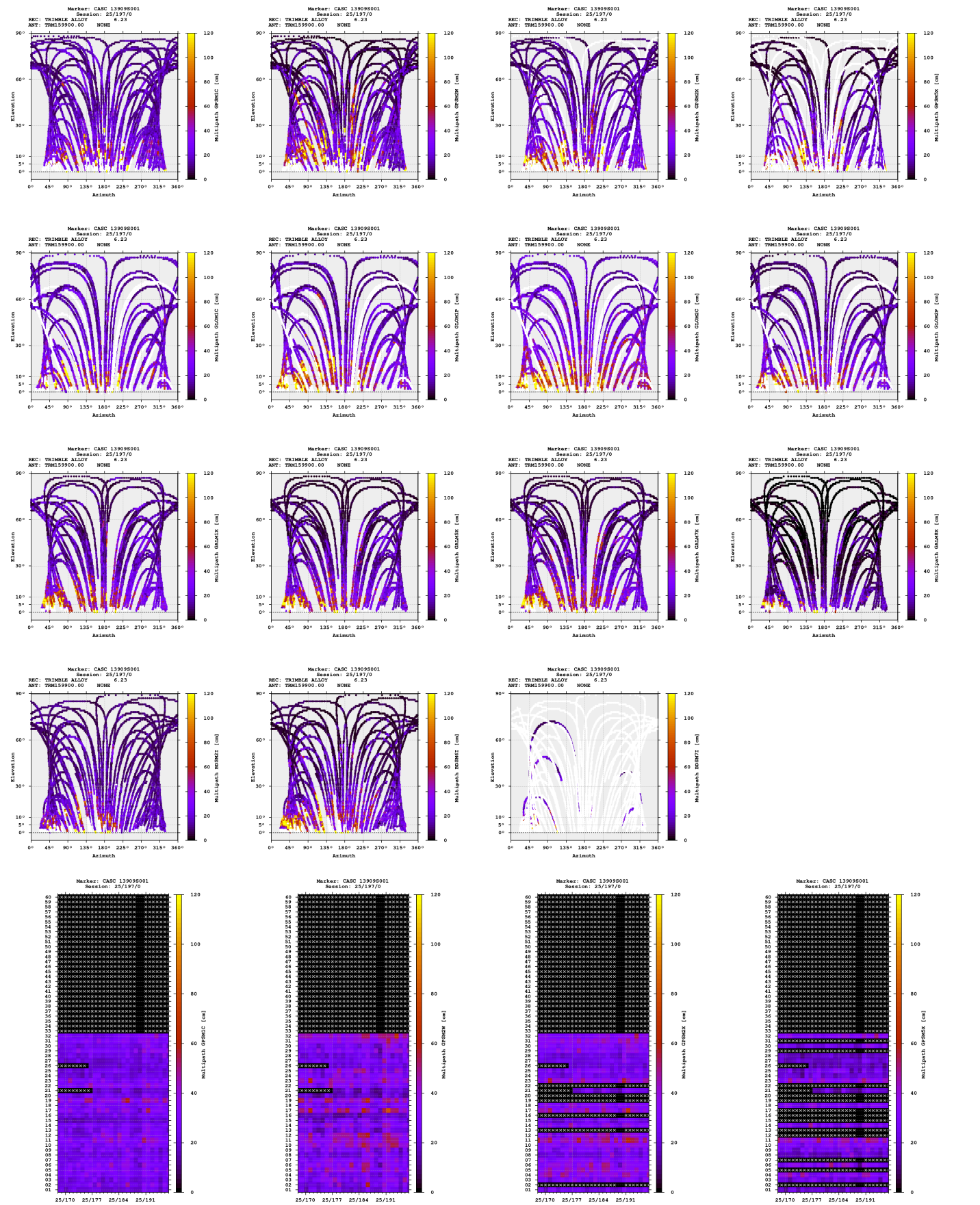
Cycle slips





Multipath





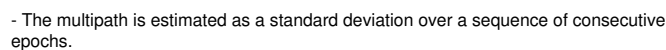
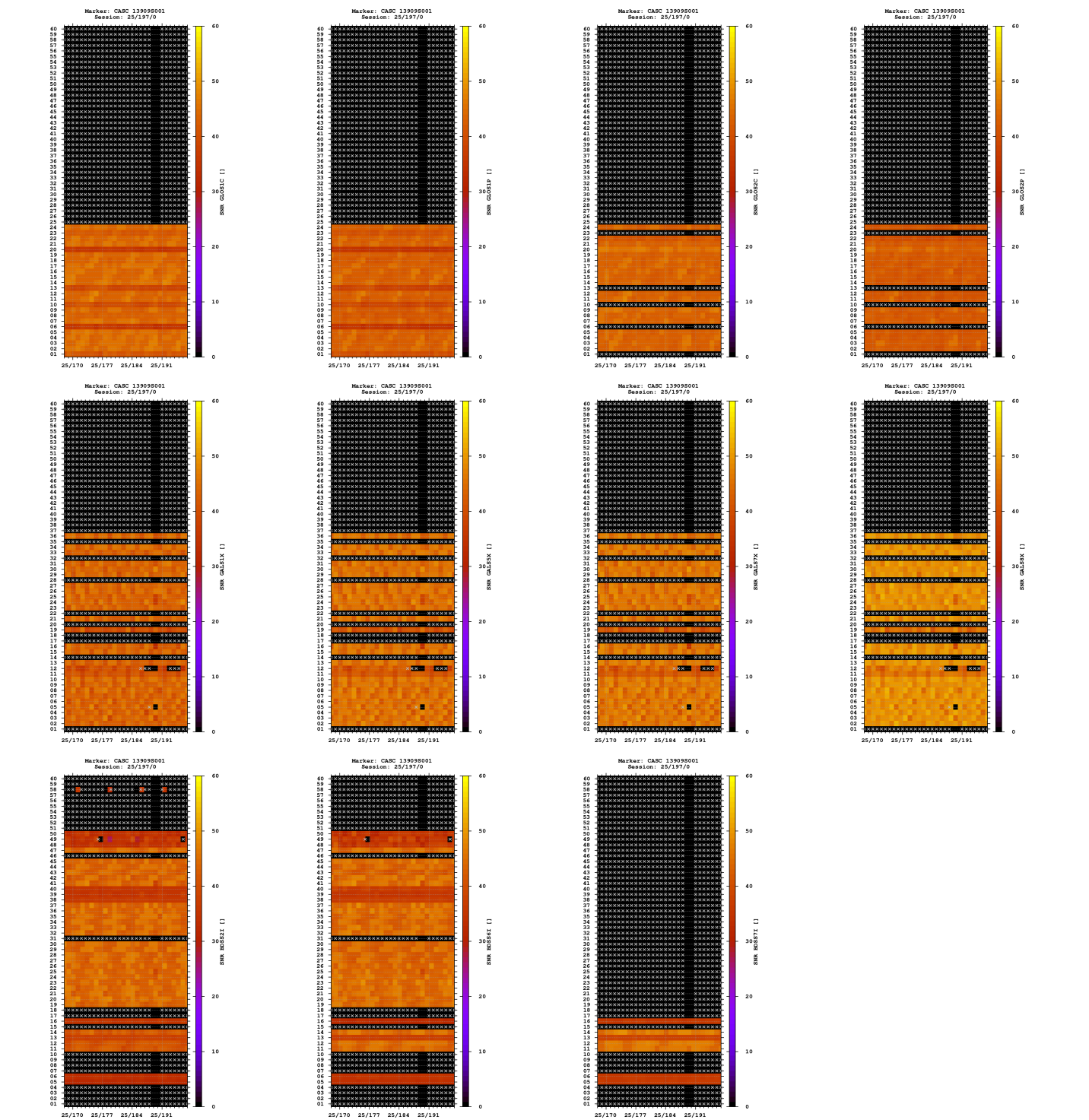


Figure 1 displays six panels showing the Signal-to-Noise Ratio (SNR) in dB-Hz (Y-axis, 0 to 60) versus Time in hours (X-axis, 25/170 to 25/191). The panels are arranged in a 3x2 grid, showing SNR for different GPS sessions (1C, 2W, 2C, 5K, 1P, 2P, 1X, 7X, 8X, 1C, 2W, 2C, 5K, 1X, 5K, 7X, 8X, 2I, 6I, 7I) for the Marker: CASC 139095001 and Session: 25/197/0. The panels are labeled as follows:

- Top Left: Marker: CASC 139095001, Session: 25/197/0, GPS. Legend: 1C (red), 2W (blue), 2C (green), 5K (magenta).
- Top Right: Marker: CASC 139095001, Session: 25/197/0, GPS. Legend: 1C (red), 2W (blue), 2C (green), 5K (magenta).
- Middle Left: Marker: GLO, GPS. Legend: 1C (red), 1P (orange), 2C (green), 2P (yellow).
- Middle Right: Marker: GLO, GPS. Legend: 1C (red), 1P (orange), 2C (green), 2P (yellow).
- Bottom Left: Marker: GAL, GPS. Legend: 1X (red), 7X (blue), 8X (green).
- Bottom Right: Marker: GAL, GPS. Legend: 1X (red), 5K (blue), 7X (green), 8X (magenta).

The SNR values generally fluctuate between 30 and 50 dB-Hz across the time period shown. The panels show that the SNR is relatively stable over time, with some minor fluctuations observed in the later part of the session (around 25/184 to 25/191).





Estimates

2025-07-16 00:00:00	GPS	4917537.5302	-815725.8912	3965858.2704	38.693418394	350.581483838	76.9854
2025-07-16 00:00:00	GLO	4917536.4663	-815726.6140	3965856.3982	38.693410475	350.581473642	75.0882
2025-07-16 00:00:00	GAL	4917537.0069	-815725.8079	3965857.5662	38.693416574	350.581483597	76.0751
2025-07-16 00:00:00	BDS	4917537.0895	-815725.7728	3965857.5157	38.693415645	350.581484352	76.1591



Program info

G-Nut/Anubis Free [3.10] Mar 19 2025 09:09:21 (Rev: 4538)