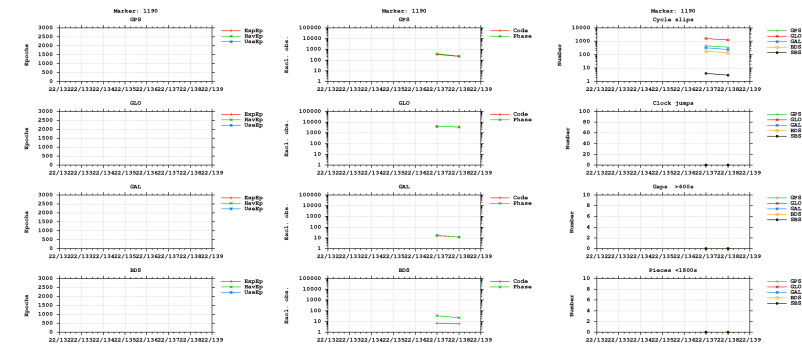


GNSS observation file monitoring for 0518

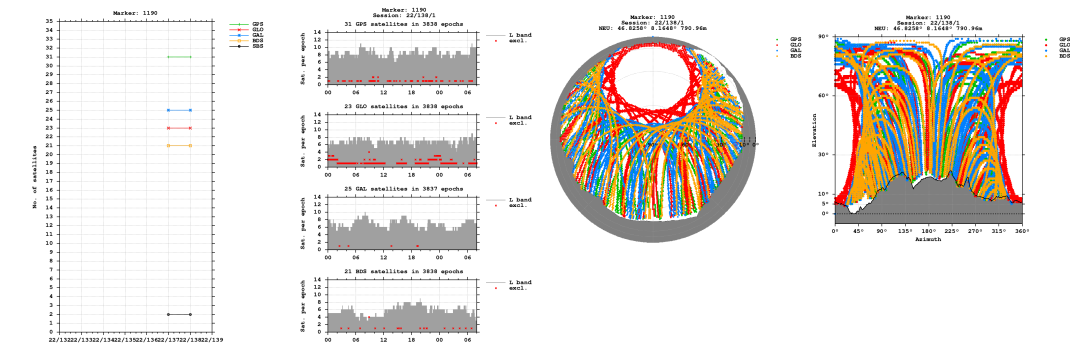
Last RINEX file: 05181381.220
RINEX version: 3.02
Marker: 1190
Receiver: 518 TRIMBLE NETR9 5.52
Antenna: 518 TRM57971.00 NONE

Epochs

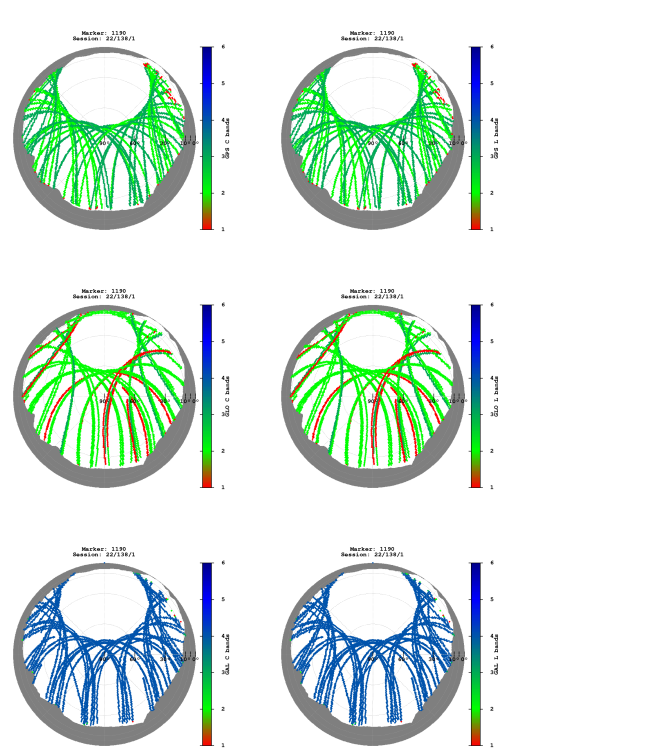


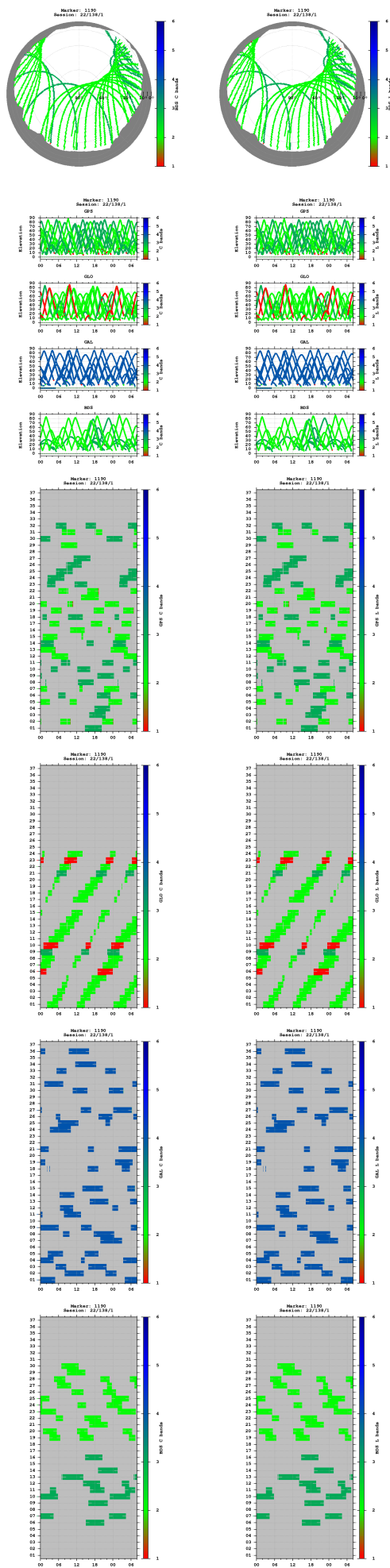
- "UseEp": The usable epoch is introduced if four or more satellites are observed with the minimum of two frequencies.
- Cycle slip detection algorithm is based on Melbourne-Wübbena and geometry-free LC.

Satellites

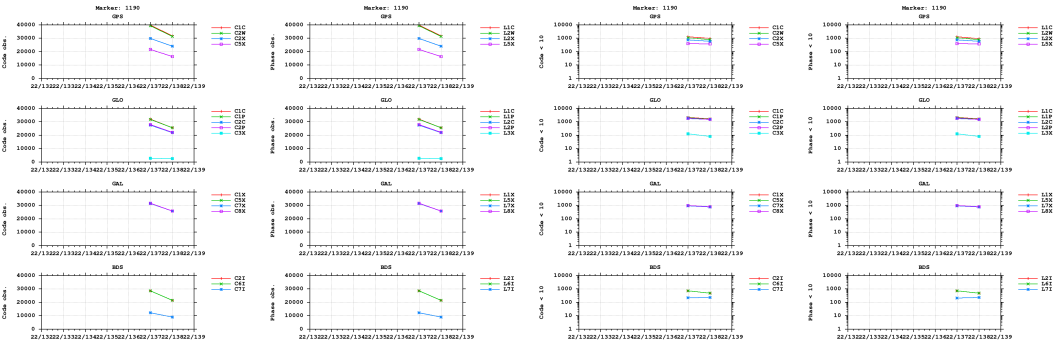


Bands

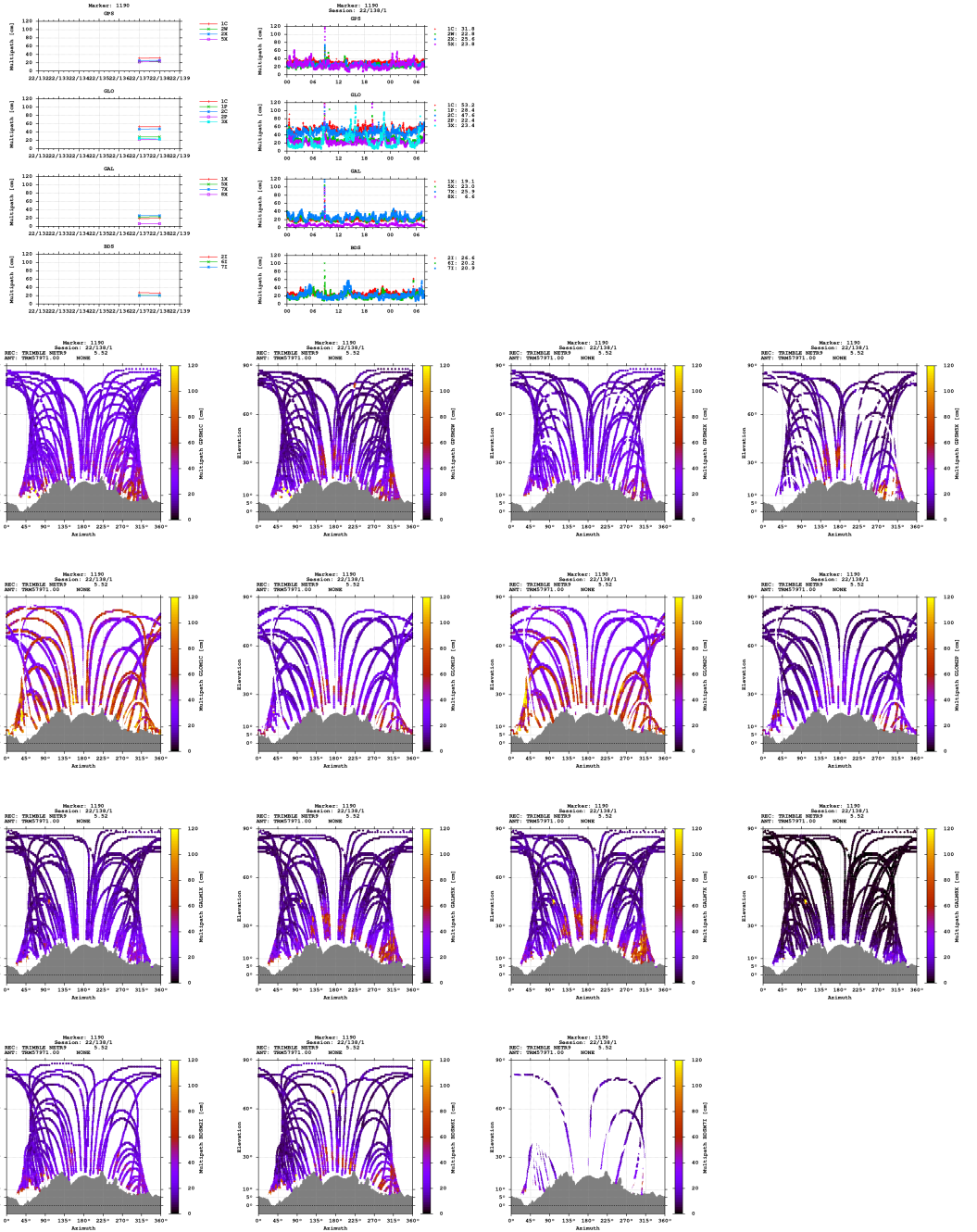


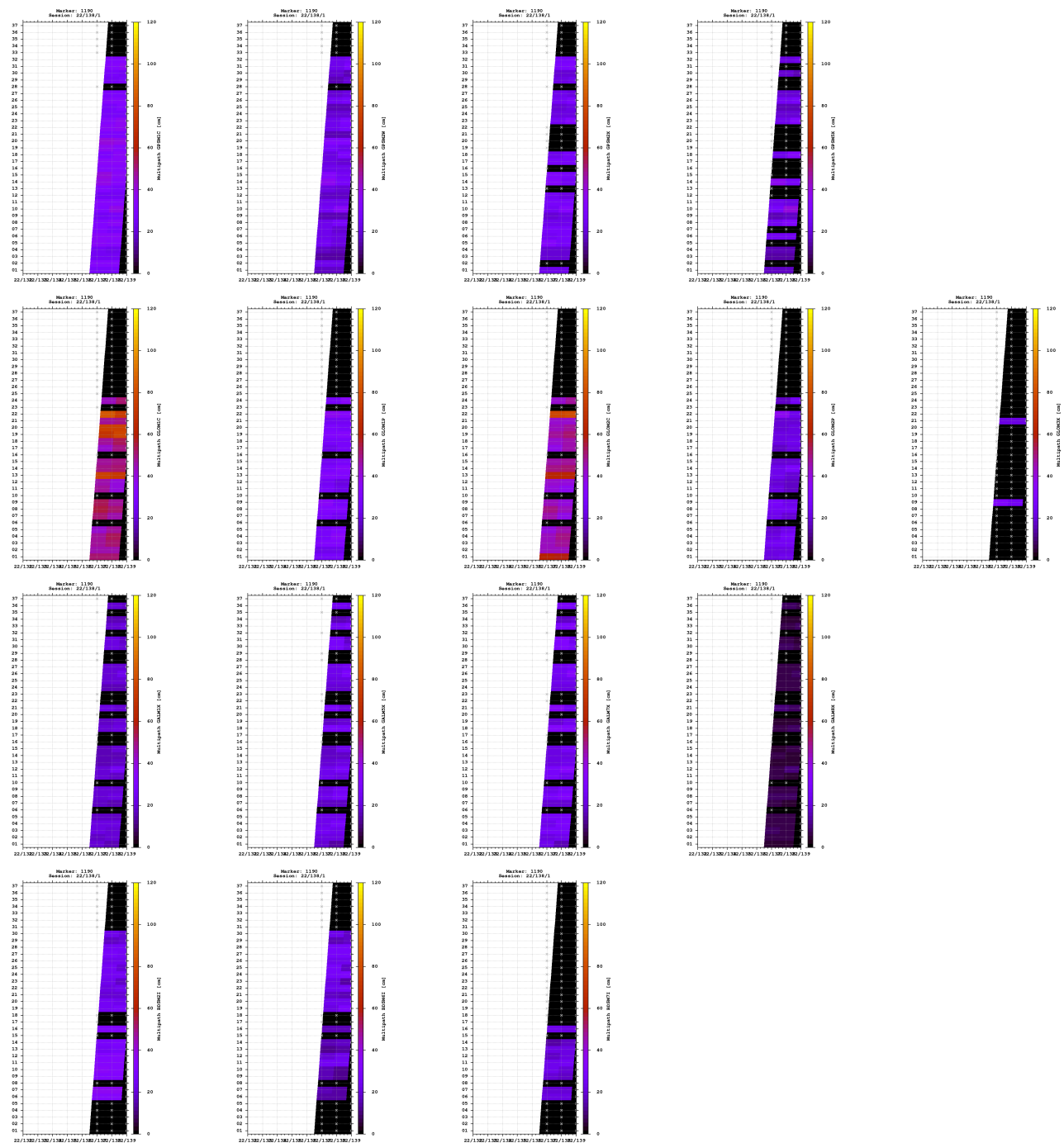


Observations



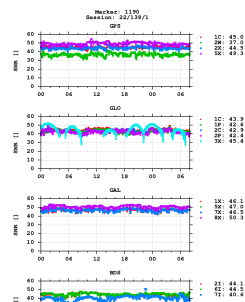
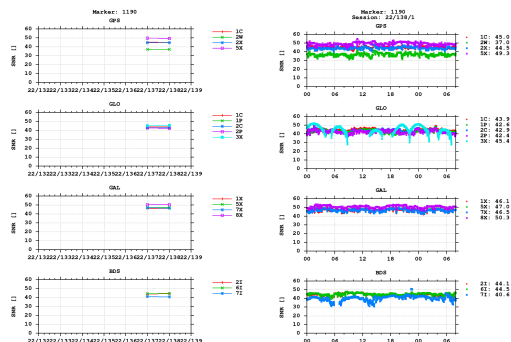
Multipath





- The multipath is estimated as a standard deviation over a sequence of consecutive epochs.

Signal-to-noise ratio



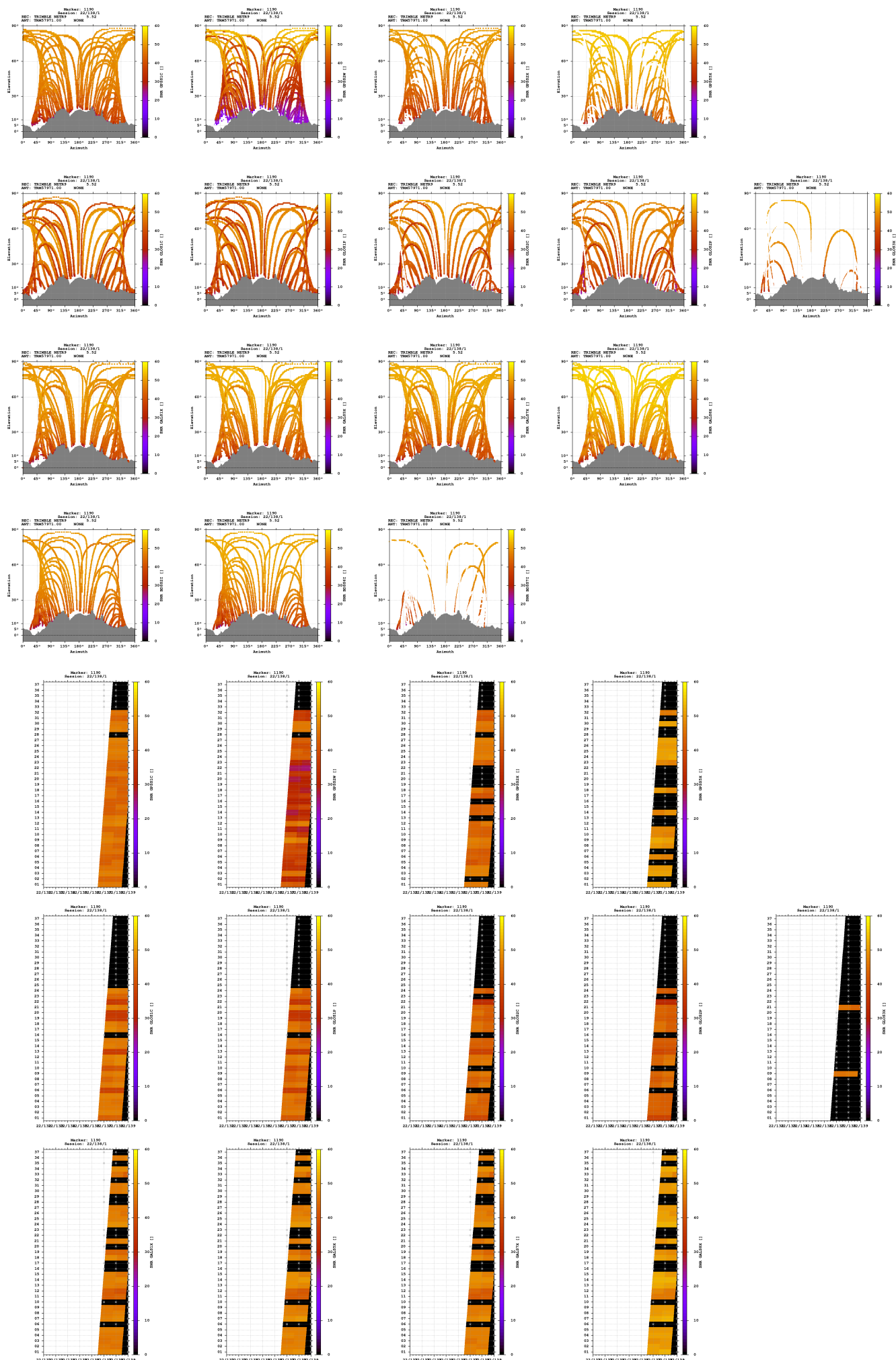
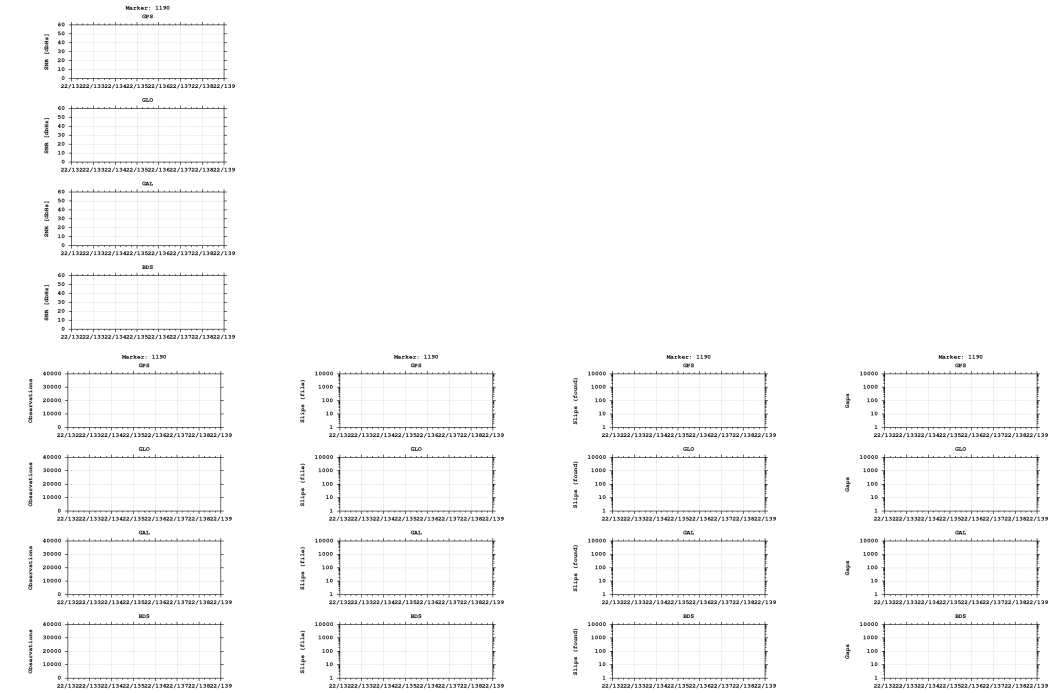




Figure 10 displays the evolution of various parameters for three markers (1190, 1390, 1590) across four epochs (GP, GLO, GBL, NBL). The figure is organized into a 4x3 grid of plots. The first three columns show time series plots of parameters: dR , dR_{act} , dR_{geom} , $dR_{act-geom}$, $dR_{act-geom-act}$, and $dR_{act-geom-act-geom}$. The fourth column shows RMS plots for Latitude, Longitude, and Height. Each plot includes a legend for the different markers and epochs.

Figure 1 consists of five vertically stacked plots. The top plot shows the 'Num. of satellites' (Y-axis, 0 to 34) versus time (X-axis, 0 to 1300 seconds). The plot is titled 'Weak: 1300'. The bottom four plots show the 'Multipath [cm]' (Y-axis, 0 to 120) versus time (X-axis, 0 to 1300 seconds) for different GNSS constellations: GPS, GLONASS, GALILEO, and BDS. Each of these bottom plots is titled 'Weak: 1300'. The plots show that the number of satellites is generally high (around 30) until approximately 1000 seconds, after which it drops significantly. The multipath error is generally low (below 20 cm) until approximately 1000 seconds, after which it increases significantly, reaching up to 120 cm for some constellations.



Equipment

2022-05-17 00:00:00 TRIMBLE NETR9 5.52 518 TRM57971.00 NONE 518

Program info

G-Nut/Anubis [2.3] compiled: Dec 30 2020 11:00:17 (\$Rev: 2843 \$)
BNC 2.13.0 (checkout 9163)