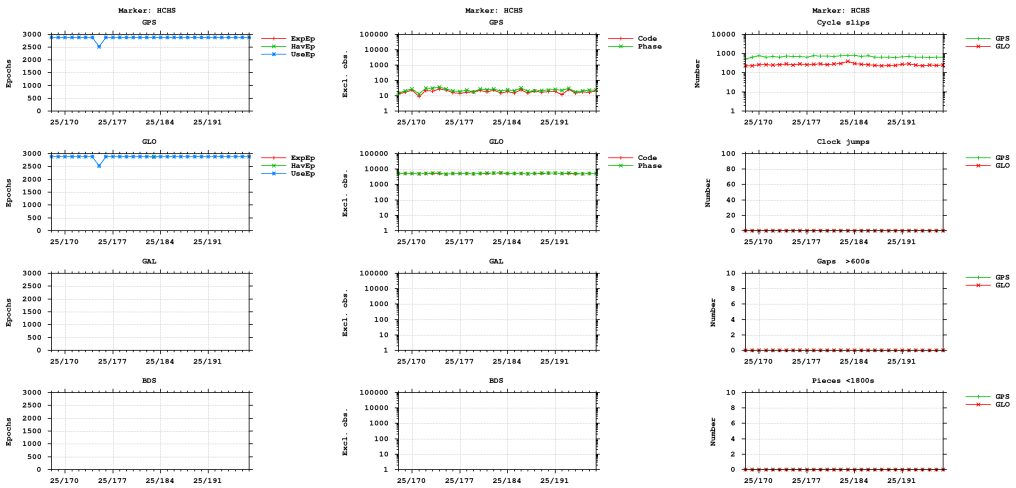
GNSS observation file monitoring for HCHS

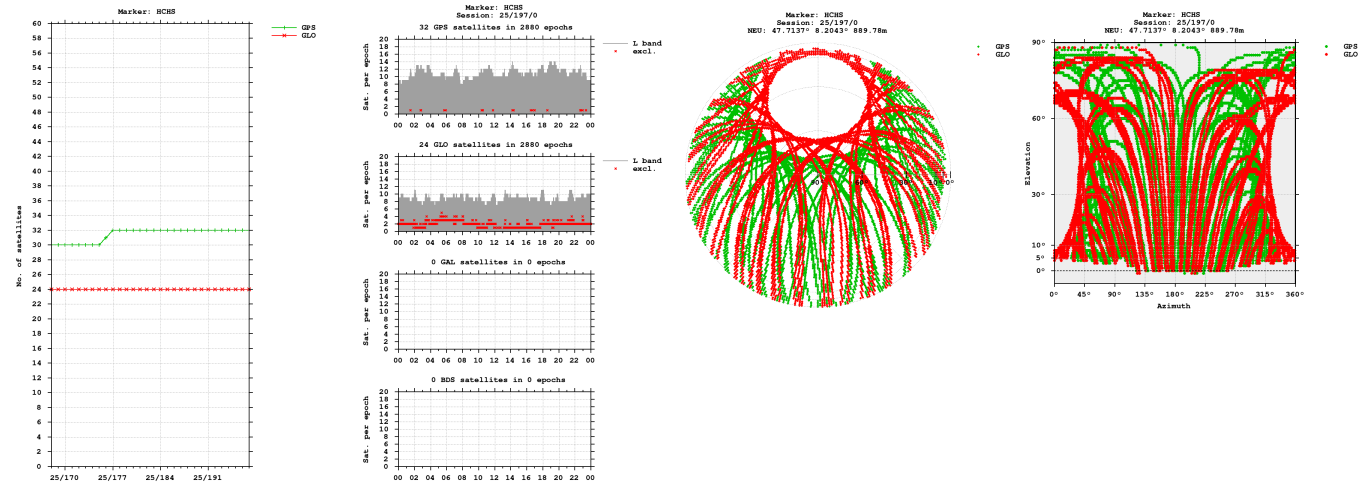
Last RINEX file: HCHS1970.25D.Z
RINEX version: 3.04
Marker: HCHS
Receiver: 496695 LEICA GRX1200+GNSS 9.20/6.407
Antenna: 10401010 LEIAR25.R4 NONE

Epochs

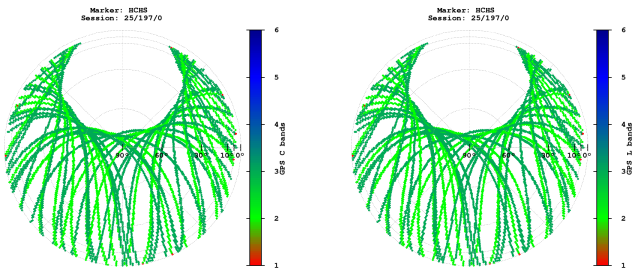


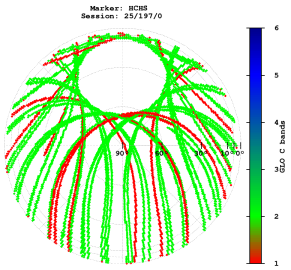
- "UseEp": The usable epoch is introduced if four or more satellites are observed with the minimum of two frequencies.
- Cycle slip detection algorithm is based on Melbourne-Wübbena and geometry-free LC.

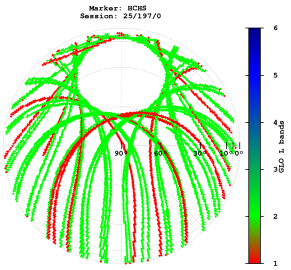
Satellites

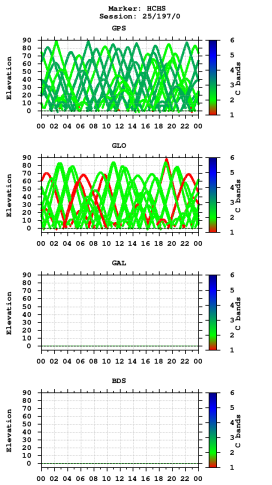


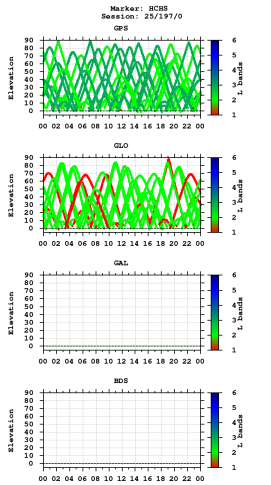
Bands

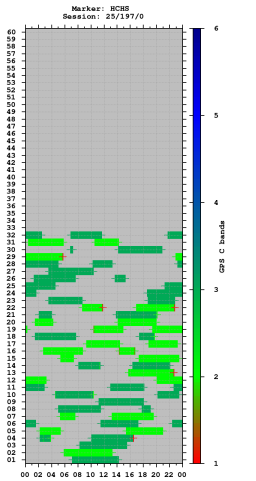


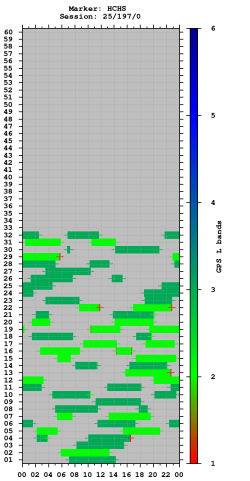


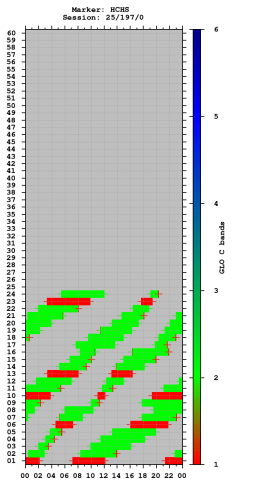


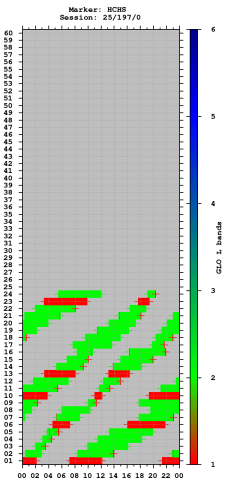




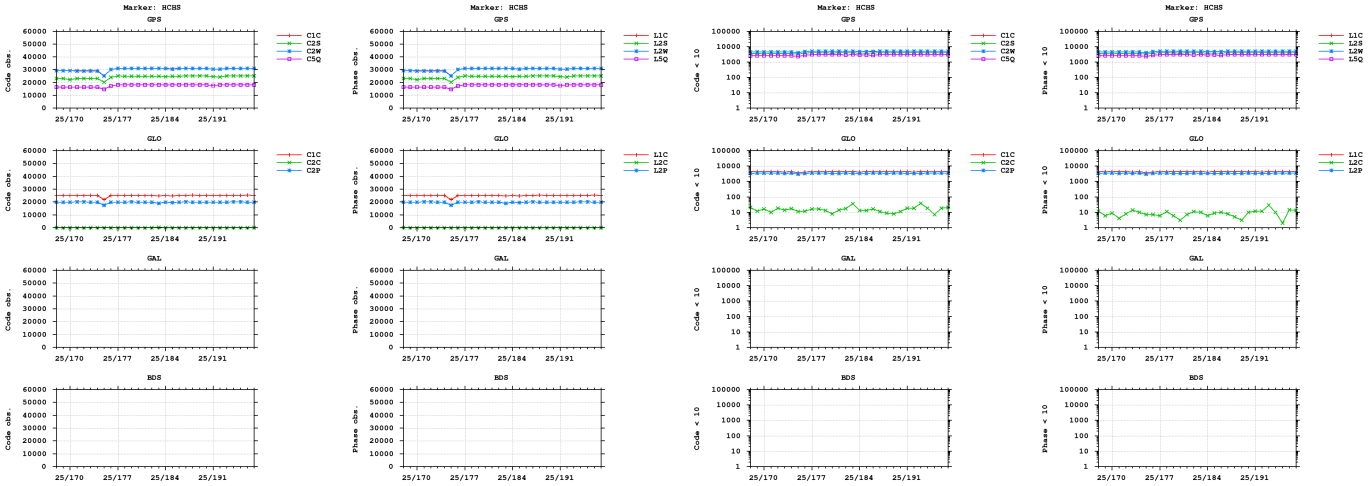




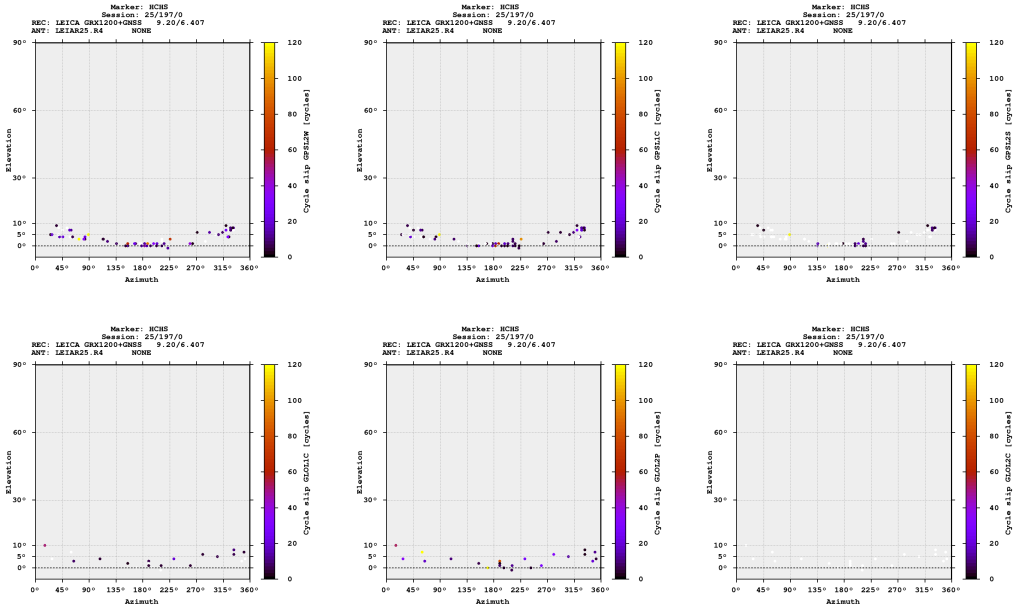


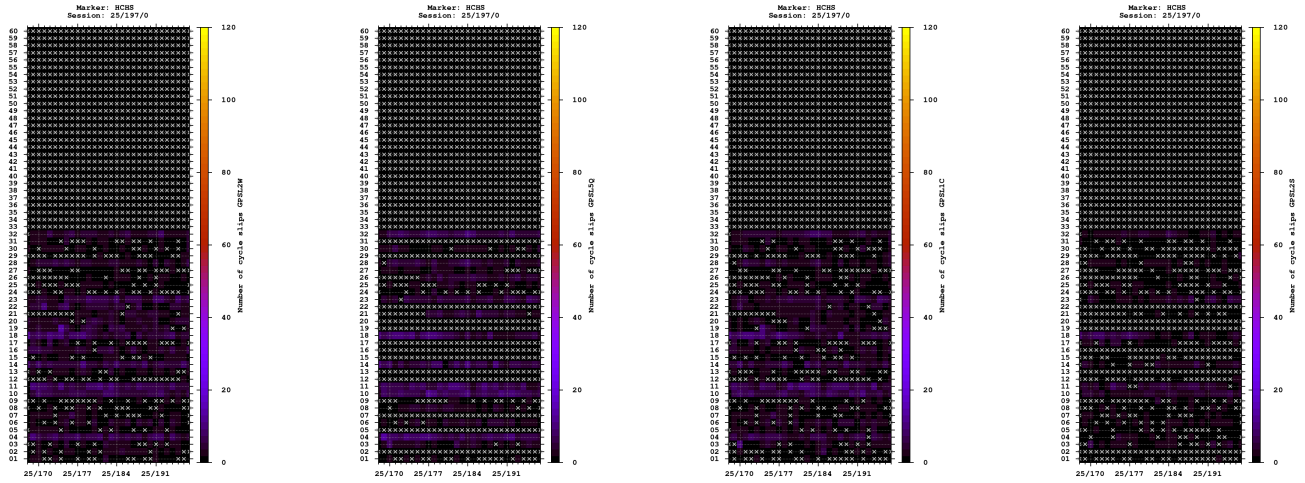


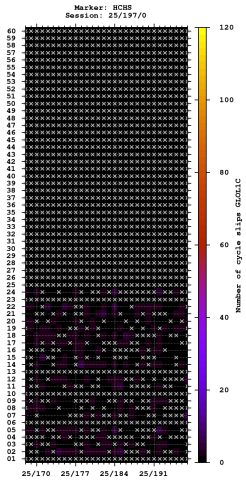
Observations

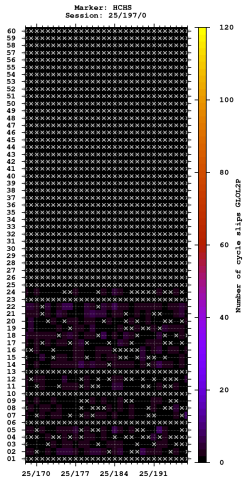

Marker: HCHS
GPS
GLO
GAL
BDS
Code obs.
Phase obs.
Code < 10
Phase < 10
C1C
C2S
C2W
C5Q
L1C
L2S
L2W
L5Q
C2C
C2P
L2C
L2P
25/170
25/177
25/184
25/191

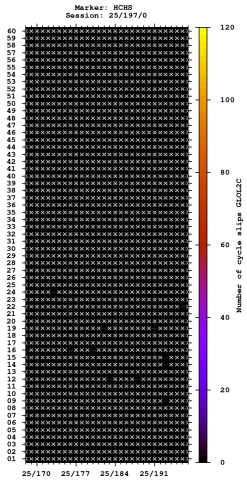
Cycle slips


Marker: HCHS
Session: 25/197/0
REC: LEICA GRX1200+GNSS 9.20/6.407
ANT: LEIAR25.R4 NONE
Elevation
Azimuth
Cycle slip GPSL2W [cycles]
Cycle slip GPSL1C [cycles]
Cycle slip GPSL2S [cycles]
Cycle slip GLOL1C [cycles]
Cycle slip GLOL2P [cycles]
Cycle slip GLOL2C [cycles]

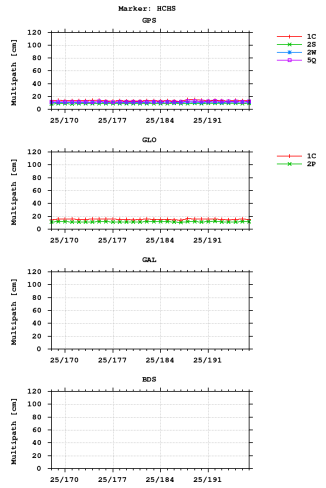

Marker: HCHS
Session: 25/197/0
Number of cycle slips GPSL2W
Number of cycle slips GPSL5Q
Number of cycle slips GPSL1C
Number of cycle slips GPSL2S
25/170
25/177
25/184
25/191

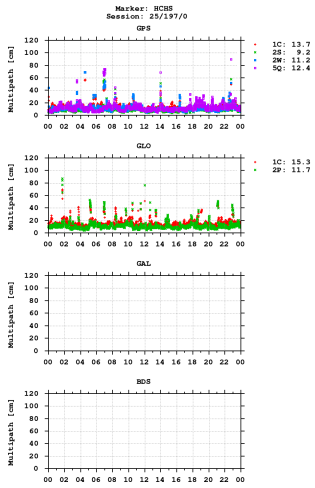

Marker: HCHS
Session: 25/197/0
Number of cycle slips GLOL1C
25/170 25/177 25/184 25/191

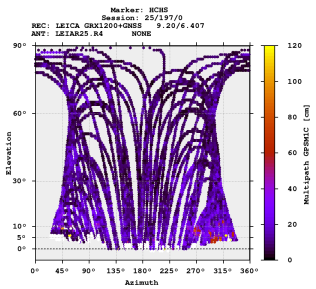

Marker: HCHS
Session: 25/197/0
Number of cycle slips GLOL2P
25/170 25/177 25/184 25/191

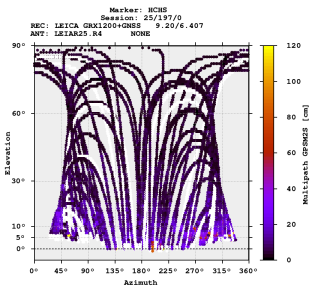

Marker: HCHS
Session: 25/197/0
Number of cycle slips GLOL2C
25/170 25/177 25/184 25/191

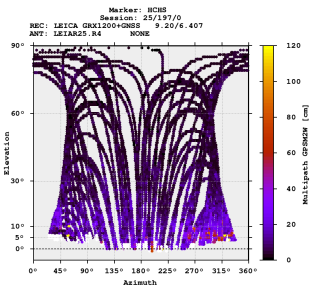
Multipath

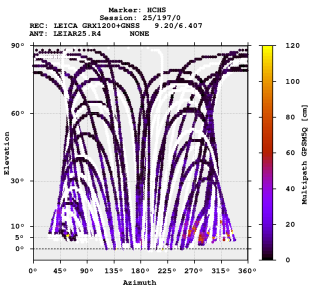

Marker: HCHS
GPS
GLO
GAL
BDS
Multipath [cm]
1C
2S
2W
5Q
25/170 25/177 25/184 25/191

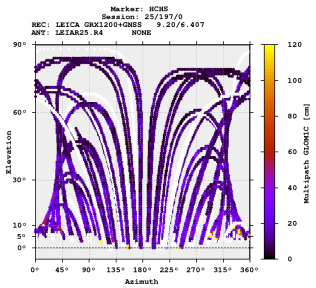

Marker: HCHS
Session: 25/197/0
GPS
GLO
GAL
BDS
Multipath [cm]
1C: 13.7
2S: 9.2
2W: 11.2
5Q: 12.4
1C: 15.3
2P: 11.7
00 02 04 06 08 10 12 14 16 18 20 22 00

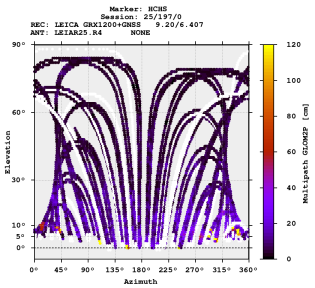

Marker: HCHS
Session: 25/197/0
REC: LEICA GRX1200+GNSS 9.20/6.407
ANT: LEIAR25.R4 NONE
Elevation
Azimuth
Multipath GPSM1C [cm]

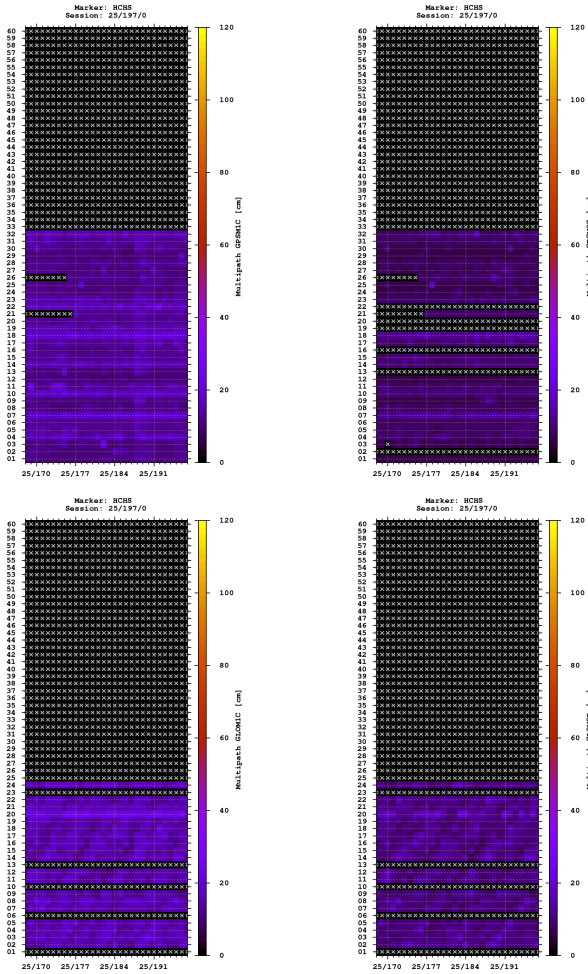

Marker: HCHS
Session: 25/197/0
REC: LEICA GRX1200+GNSS 9.20/6.407
ANT: LEIAR25.R4 NONE
Elevation
Azimuth
Multipath GPSM2S [cm]


Marker: HCHS
Session: 25/197/0
REC: LEICA GRX1200+GNSS 9.20/6.407
ANT: LEIAR25.R4 NONE
Elevation
Azimuth
Multipath GPSM2W [cm]


Marker: HCHS
Session: 25/197/0
REC: LEICA GRX1200+GNSS 9.20/6.407
ANT: LEIAR25.R4 NONE
Elevation
Azimuth
Multipath GPSM5Q [cm]

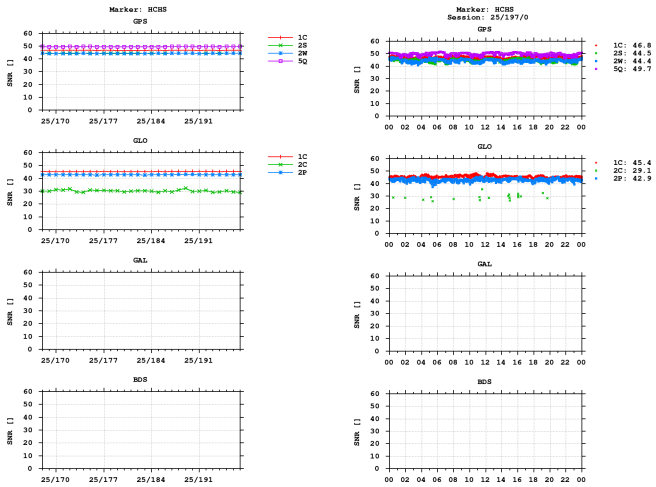

Marker: HCHS
Session: 25/197/0
REC: LEICA GRX1200+GNSS 9.20/6.407
ANT: LEIAR25.R4 NONE
Elevation
Azimuth
Multipath GLOM1C [cm]

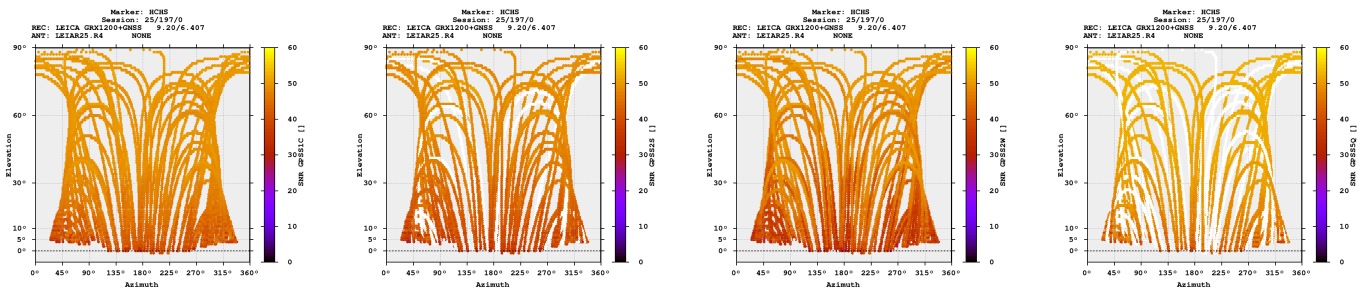

Marker: HCHS
Session: 25/197/0
REC: LEICA GRX1200+GNSS 9.20/6.407
ANT: LEIAR25.R4 NONE
Elevation
Azimuth
Multipath GLOM2P [cm]

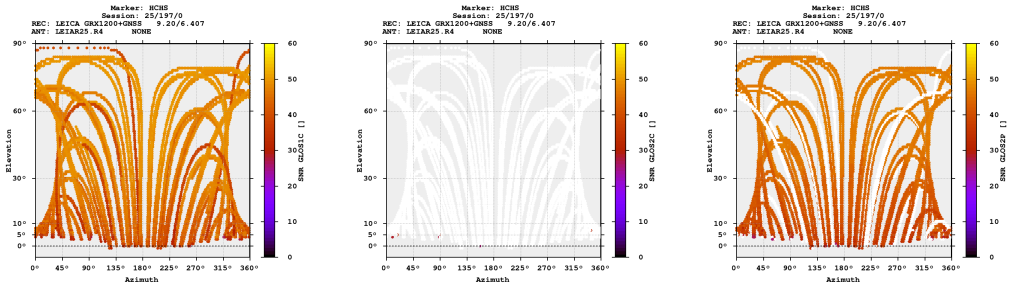


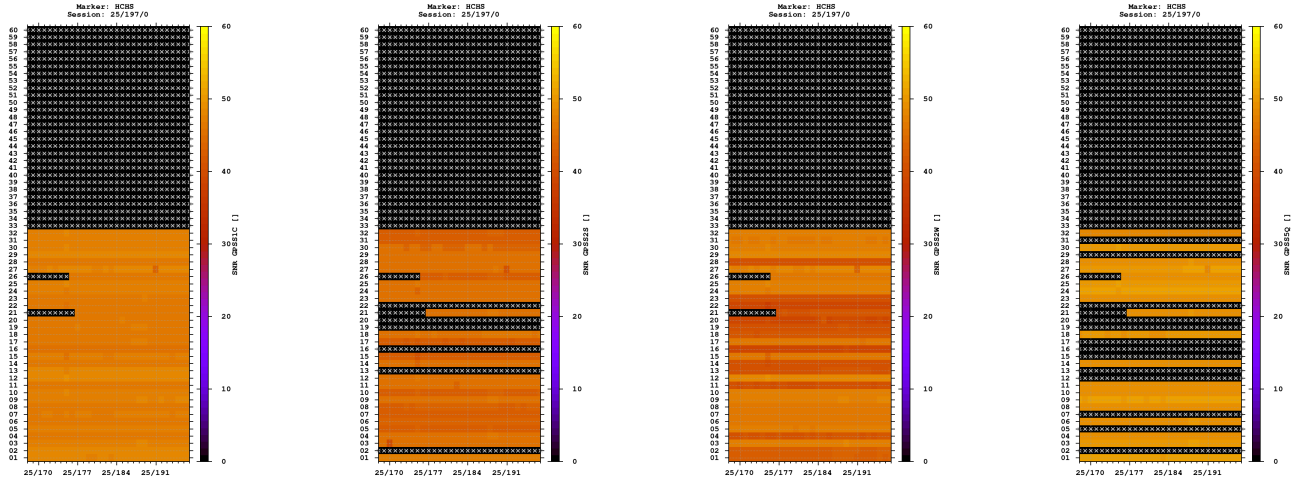
- The multipath is estimated as a standard deviation over a sequence of consecutive epochs.

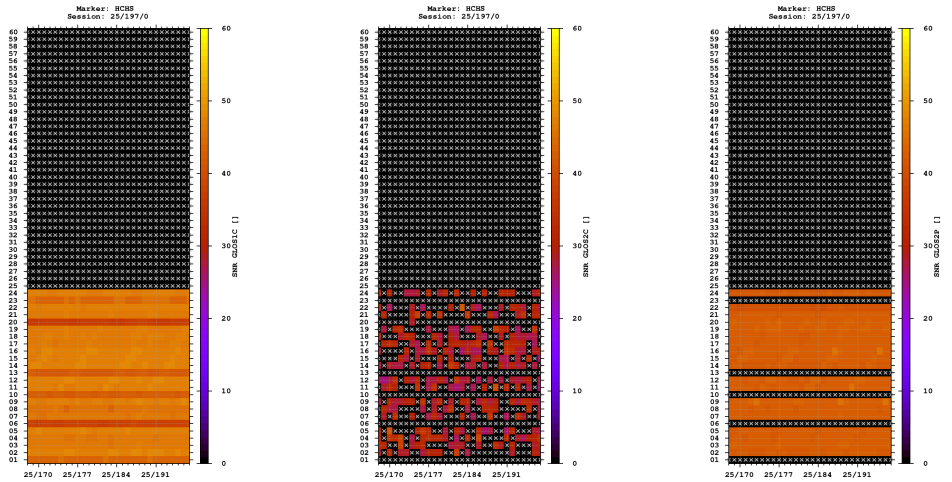
Signal-to-noise ratio





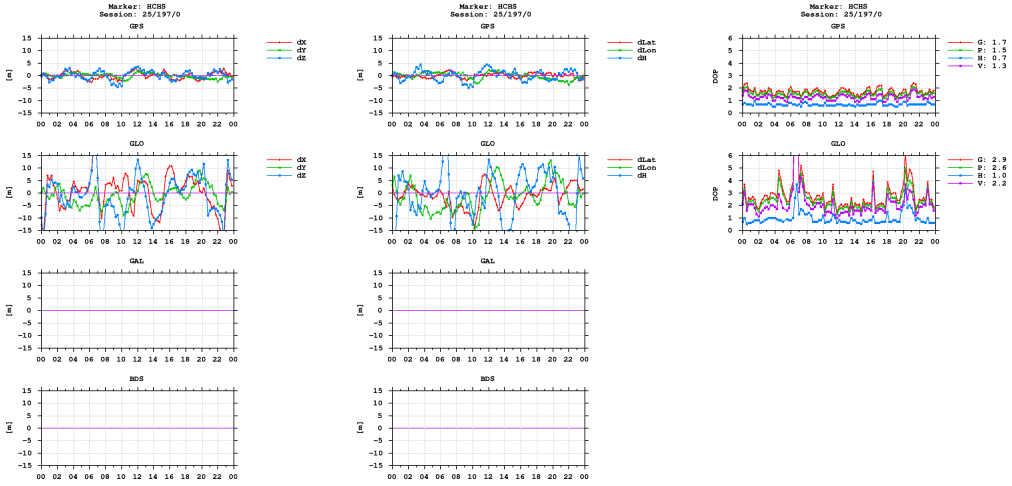


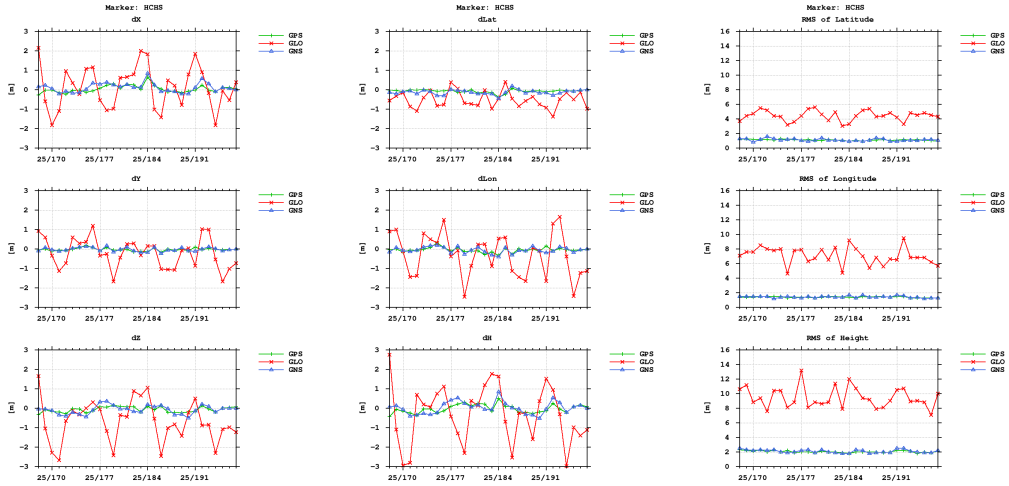




Estimates

2025-07-16 00:00:00 GPS 4255914.2012 613610.2536 4696173.7668 47.713680938 8.204268476 889.8545
2025-07-16 00:00:00 GLO 4255914.5443 613609.5476 4696172.4664 47.713671914 8.204258625 888.6685





Equipment

2025-06-17 00:00:00 LEICA GRX1200+GNSS 9.20/6.407 496695 LEICA GRX1

Program info

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