

GLONASS Time Transfer

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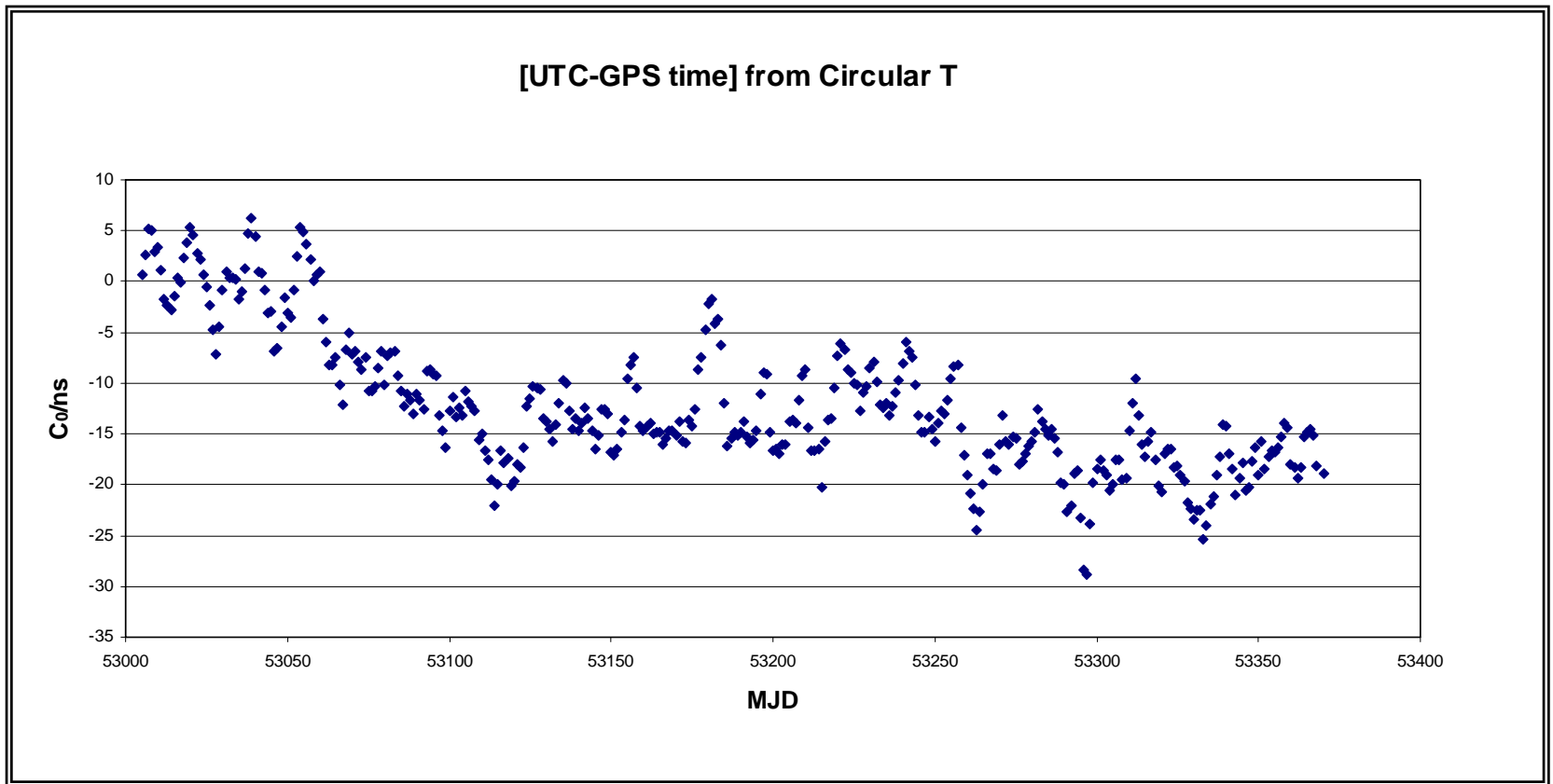


CCTF 2009

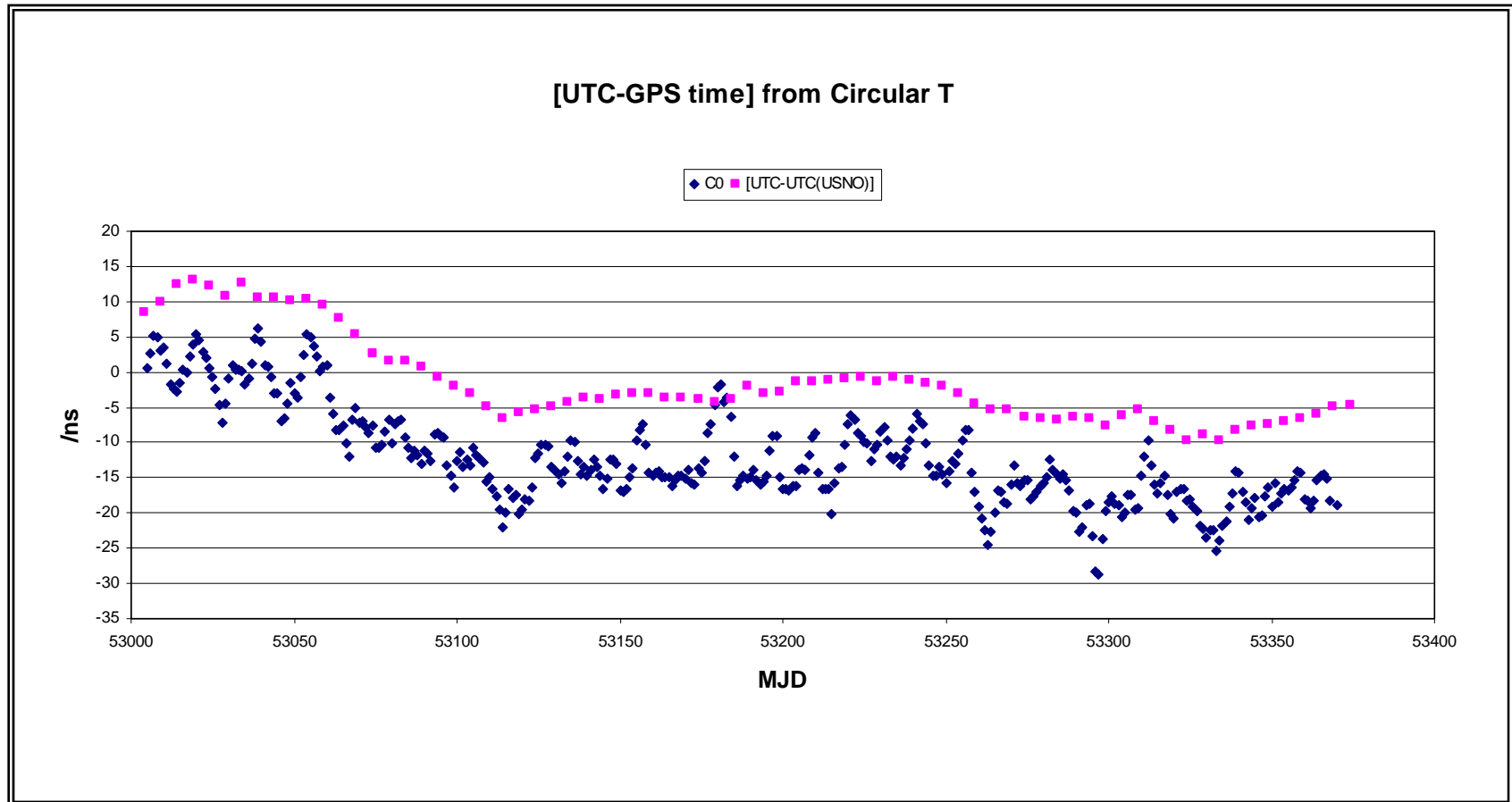
Outline of presentation

- **GLONASS time transfer**
 - **GPS time and GLONASS time versus UTC**
 - **GLONASS common-view**

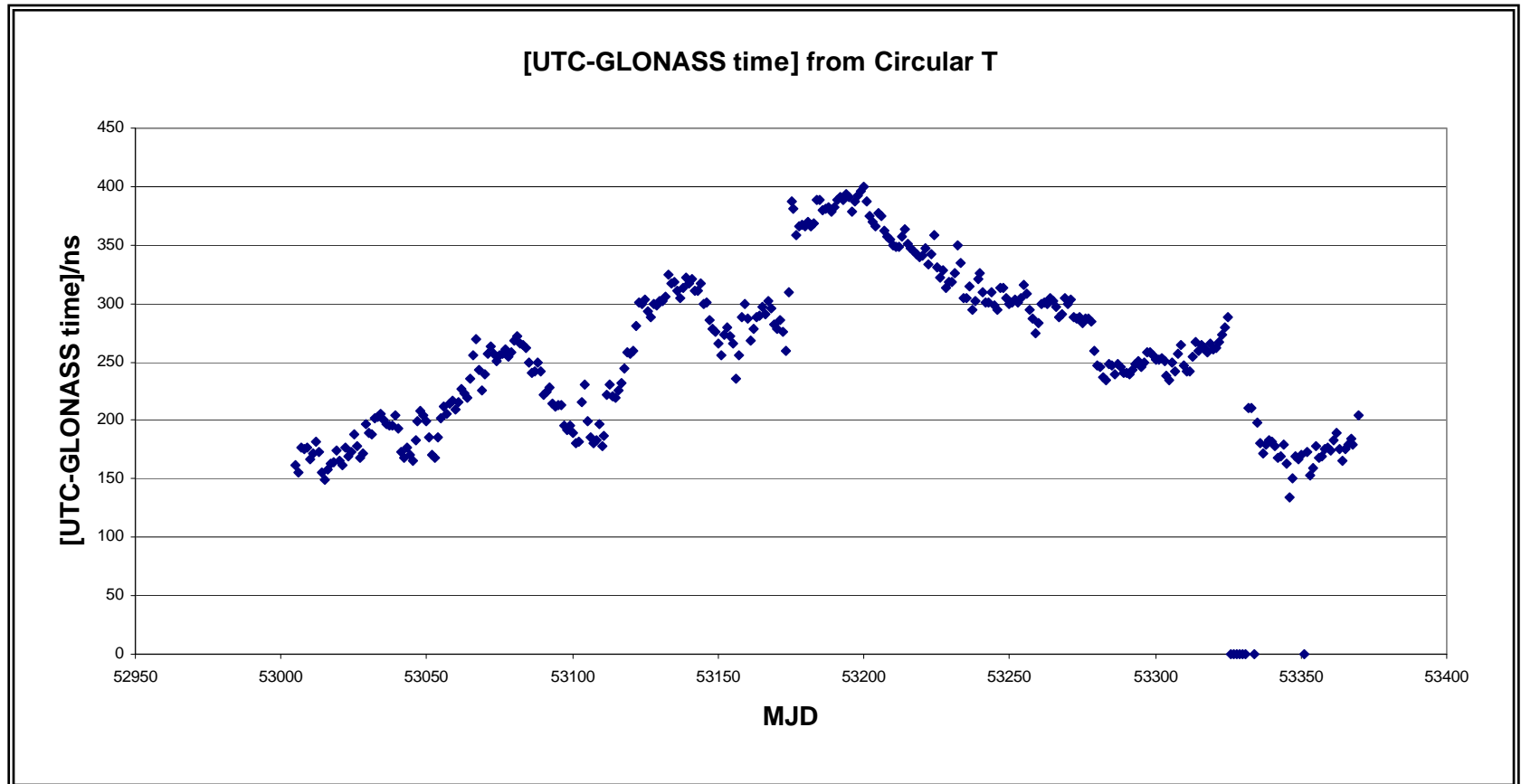
GPS Time



GPS Time and UTC(USNO)

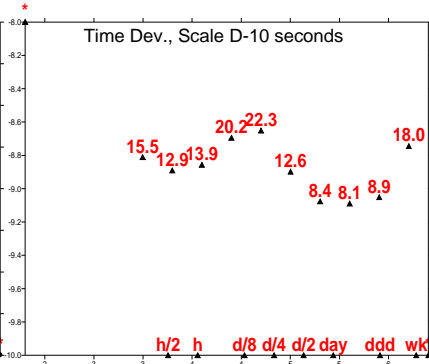
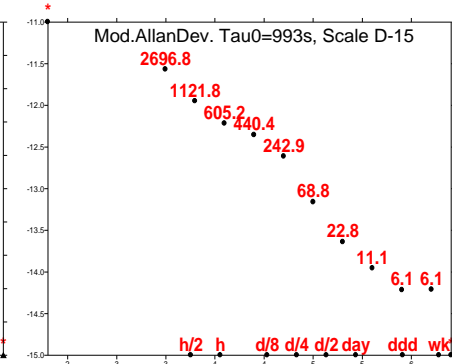
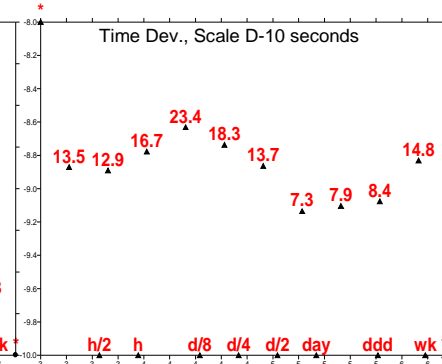
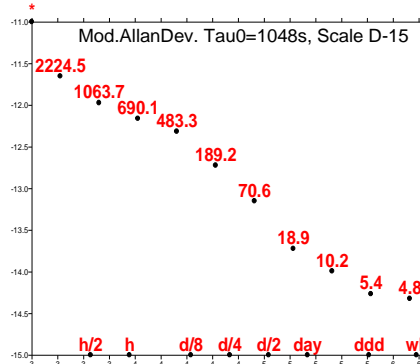
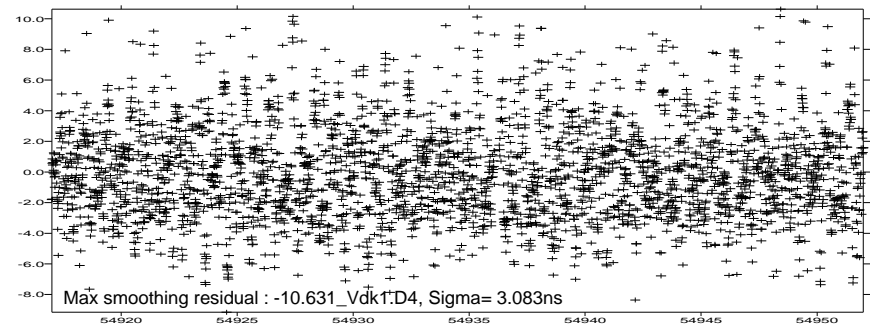
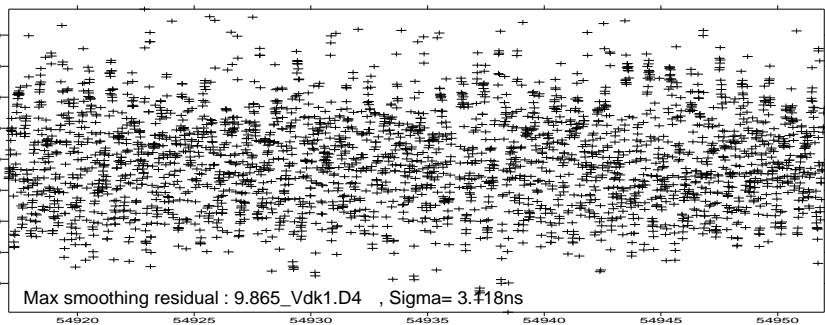
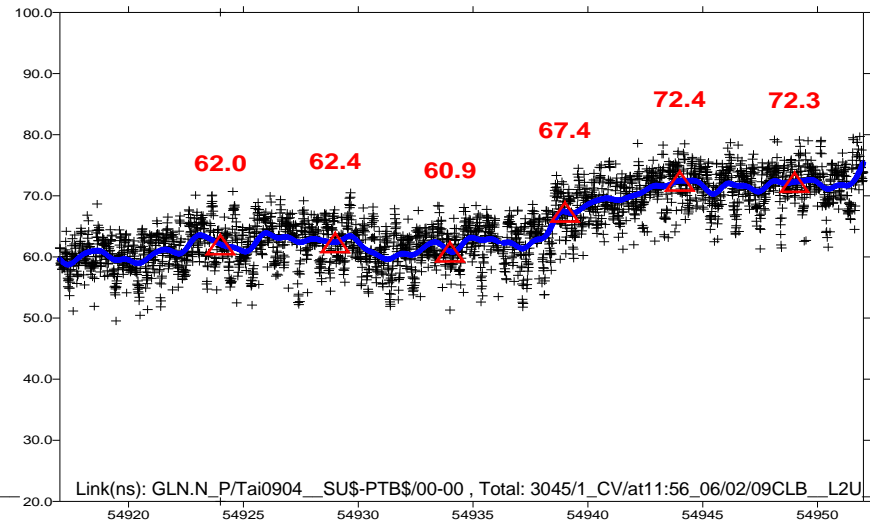
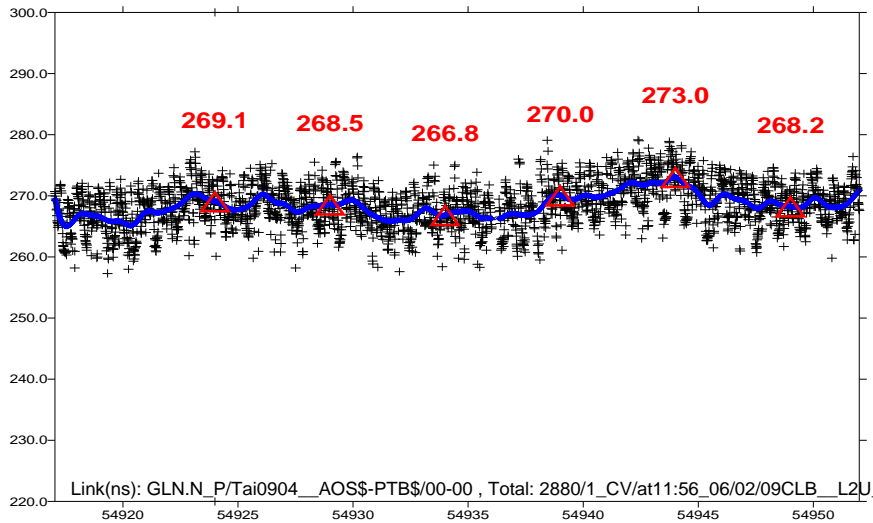


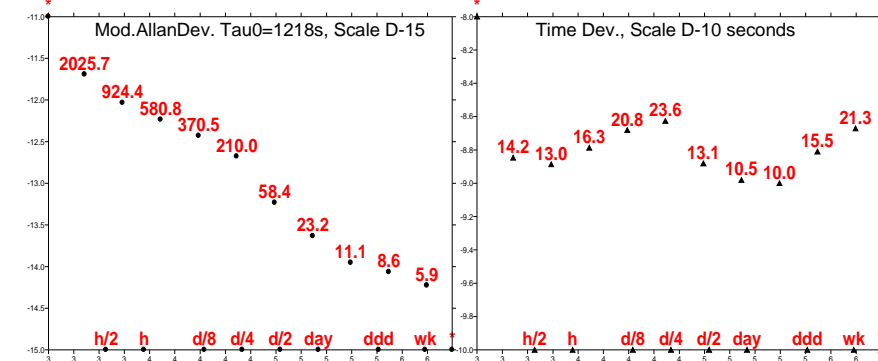
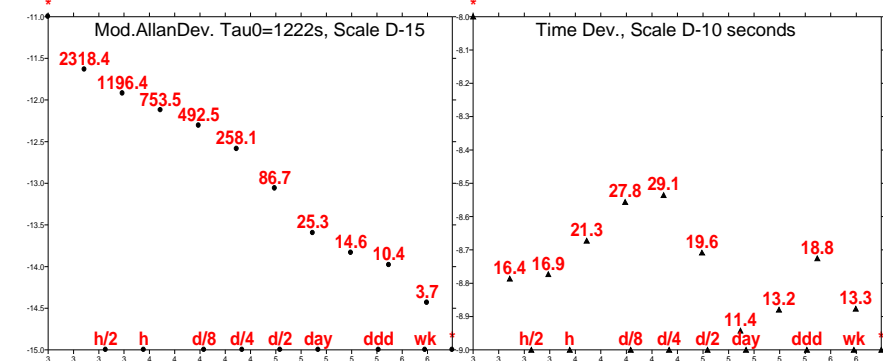
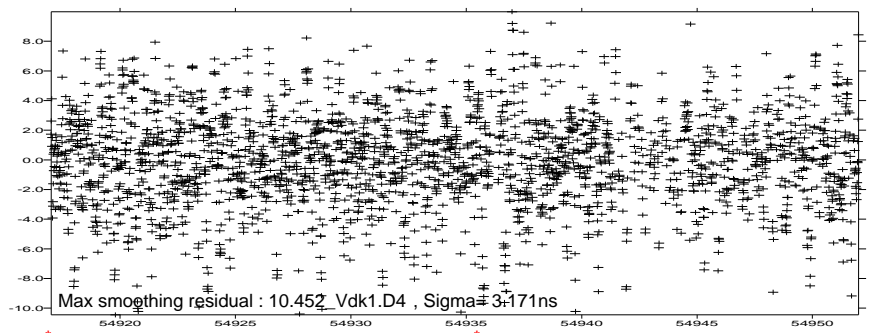
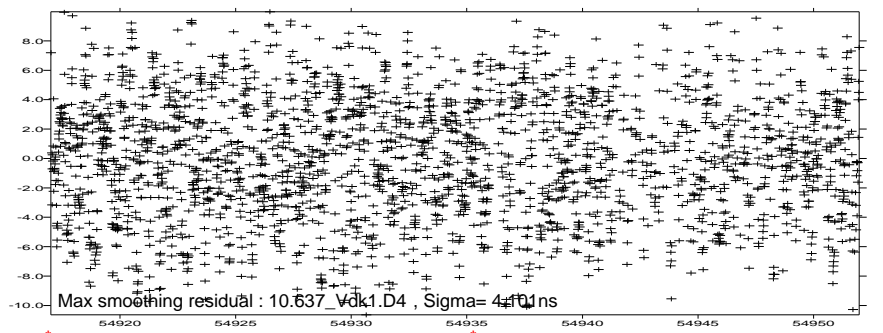
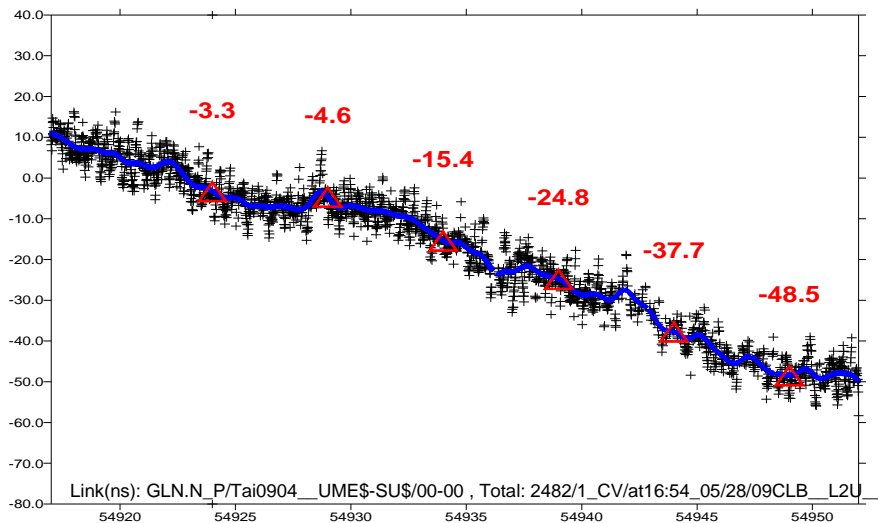
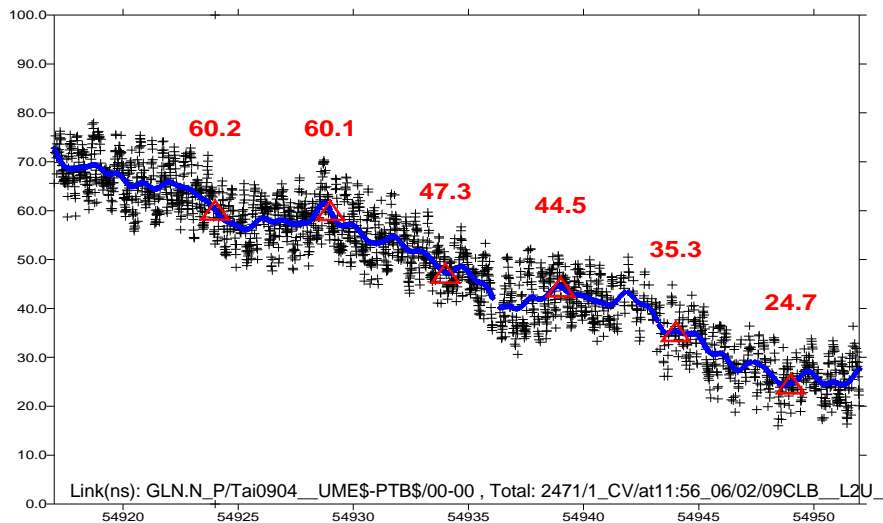
GLONASS Time



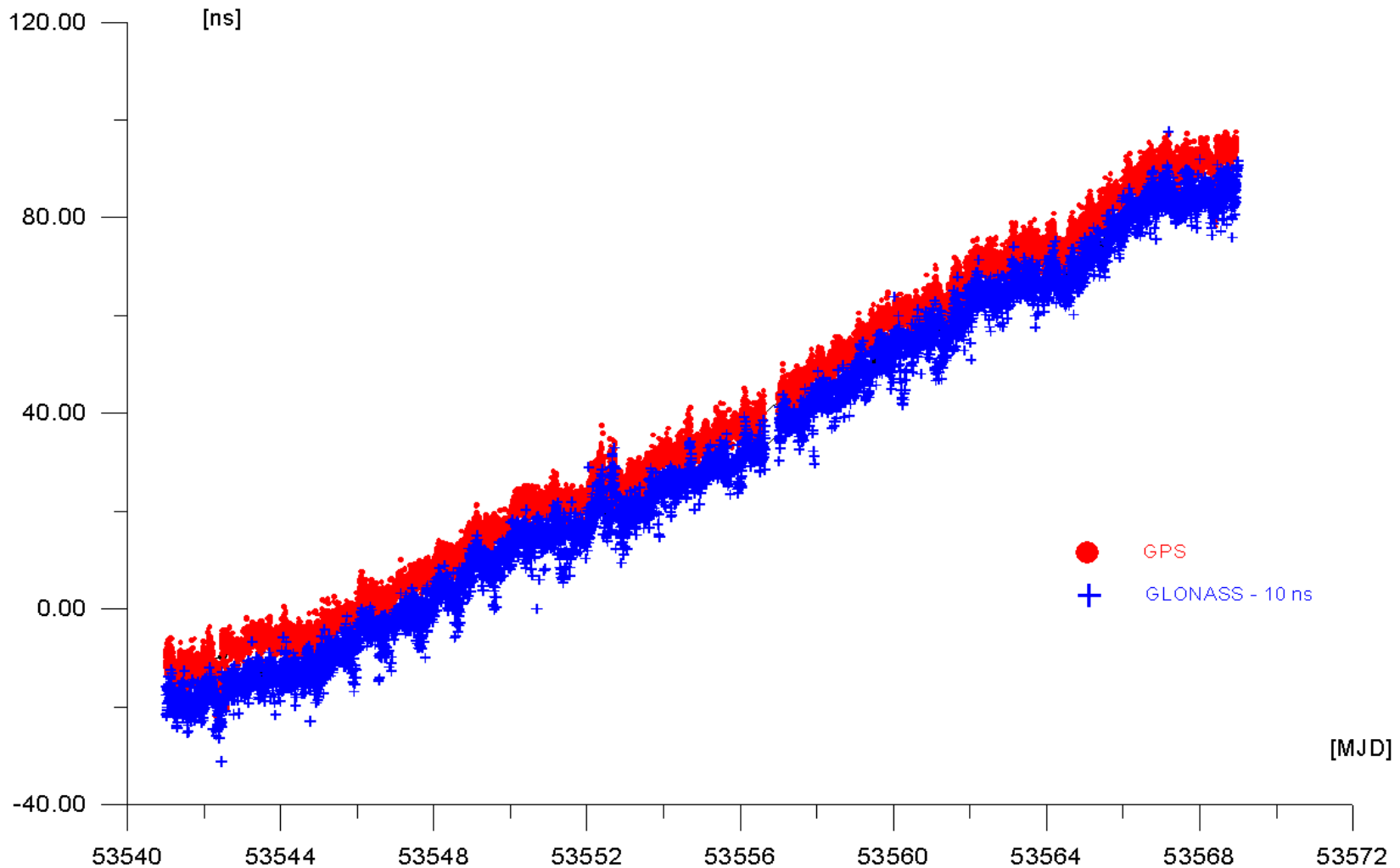
GLONASS Time Transfer

- **GLONASS constellation is progressing: 17 operational satellites now.**
- **About 12 laboratories are equipped now with newest GPS/GLONASS receivers, mainly OP, PTB and VNIIFTRI. They are being now calibrated.**
- **Tests of GLONASS common-views are showing similar performance to GPS.**
- **BIPM will start soon GLONASS Time Transfer Pilot Project, carrier phase.**





AOS/BIPM, GPS+GLONASS, P1 CODE



AOS - BIPM, GPS+GLONASS, P1 code

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