GLONASS Time Transfer

W. Lewandowski, Z. Jiang

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Outline of presentation

- GLONASS time transfer
  - GPS time and GLONASS time versus UTC
  - GLONASS common-view
Bureau International des Poids et Mesures

GPS Time

[UTC-GPS time] from Circular T

Bureau International des Poids et Mesures
GPS Time and UTC(USNO)

UTC-GPS time from Circular T

MJD

UTC-UTC(USNO)
GLONASS Time

[UTC-GLONASS time] from Circular T

MJD

Bureau International des Poids et Mesures
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

[Graph showing data points for GPS and GLONASS over time]
AOS/BIPM, GPS+GLONASS, P1 CODE

RMS ~ 1.8 ns
MERCI!