# TWSTFT DATA PROCESSING AT THE BIPM

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8<sup>th</sup> Meeting of the CCTF WG on TWSTFT (BIPM- Oct. 2000)

TWSTFT data collection

BIPM TWSTFT Monthly Reports

Some chosen links: NPL/NIST, PTB/NIST, USNO/PTB, and NPL/PTB

Organization of the International time links

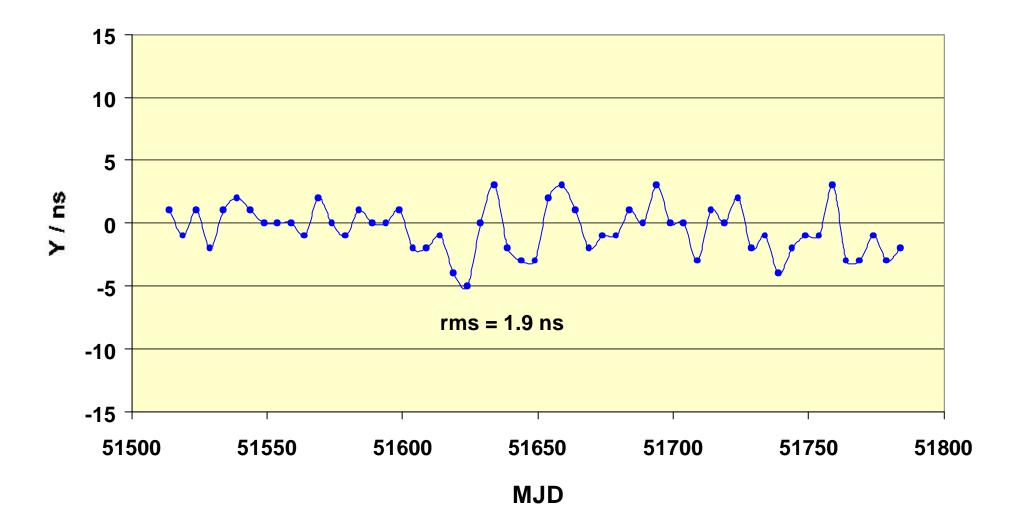
Situation at the Pacific Rim

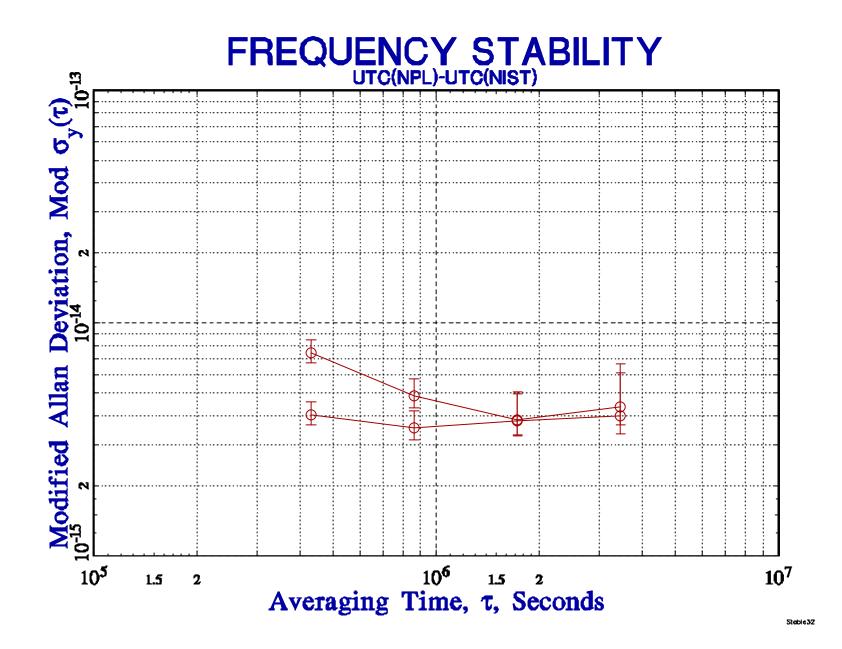
Suggestion for introduction of new two-way links : AUS/CRL, NRLM/CRL, CRL/CSAO,.....

# **BIPM TWSTFT MONTHLY REPORTS**

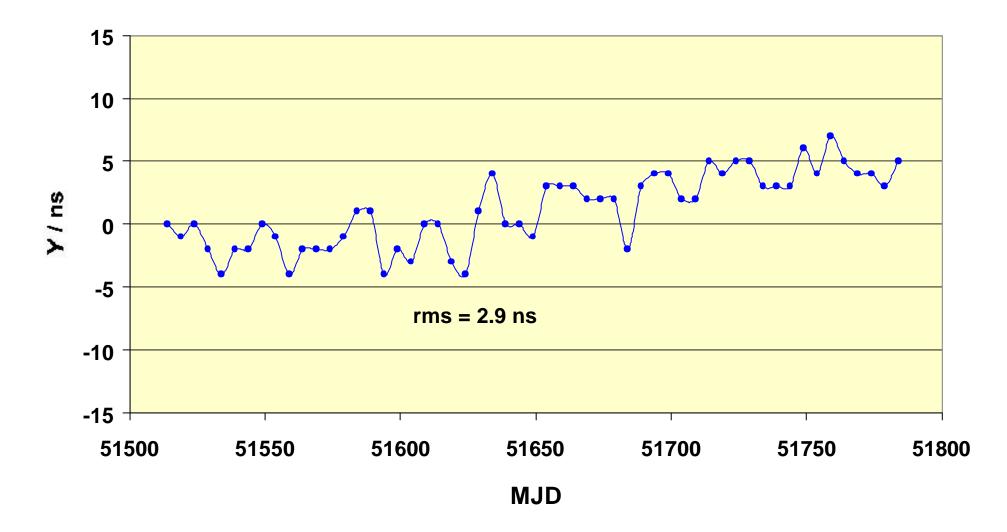
- First Report edited in April 1999 (following a request from participating stations).
- Some chosen two-way links are computed and compared to GPS links at the moment of the computation of TAI.
- Practical information is given.
- Plots showing (TWSTFT-GPS).
- Frequency stability of TWSTFT and GPS CV links.
- Brief description of the hardware equipment.
- UTC(k)-UTC(I) available on the BIPM ftp site.

### Y = [UTC(NPL)-UTC(NIST)] twstft-gps

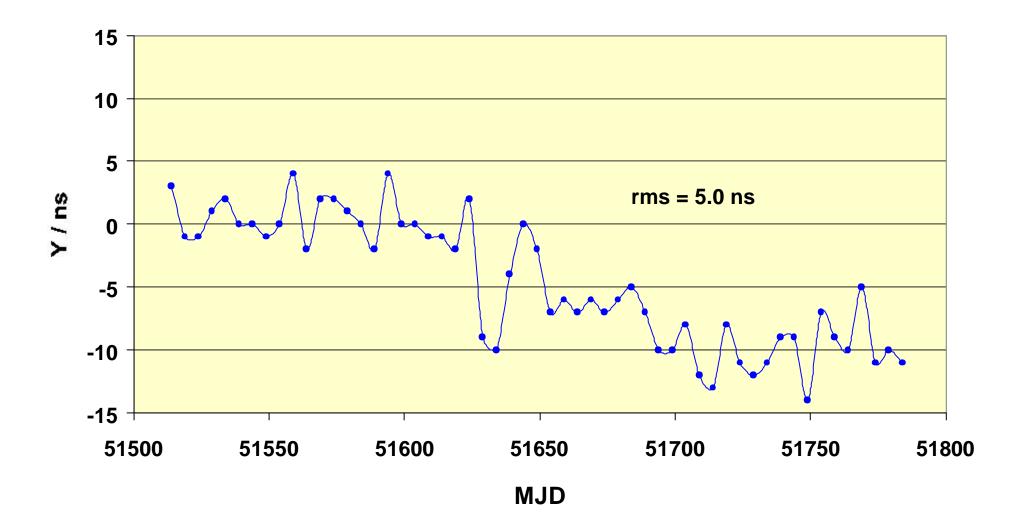


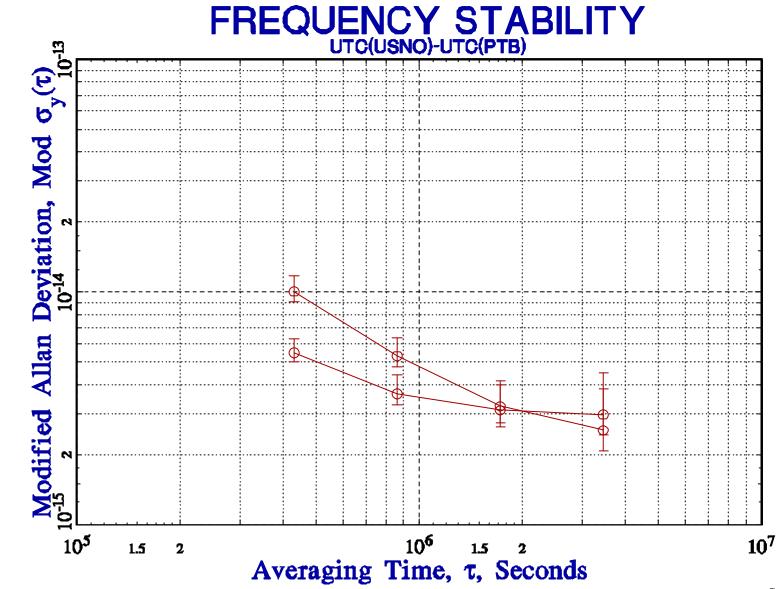


### Y = [UTC(PTB)-UTC(NIST)] twstft-gps



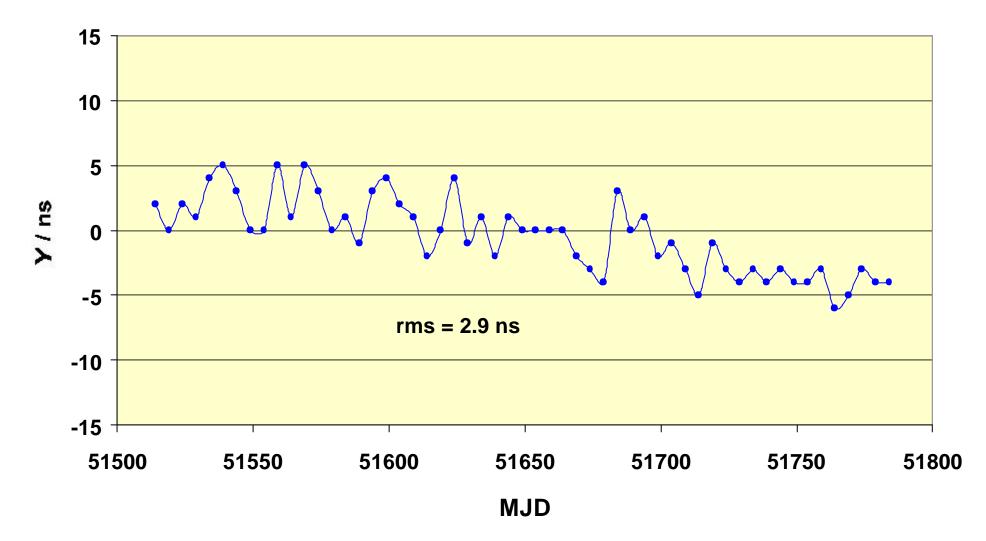
### Y = [UTC(USNO)-UTC(PTB)] twstft-gps

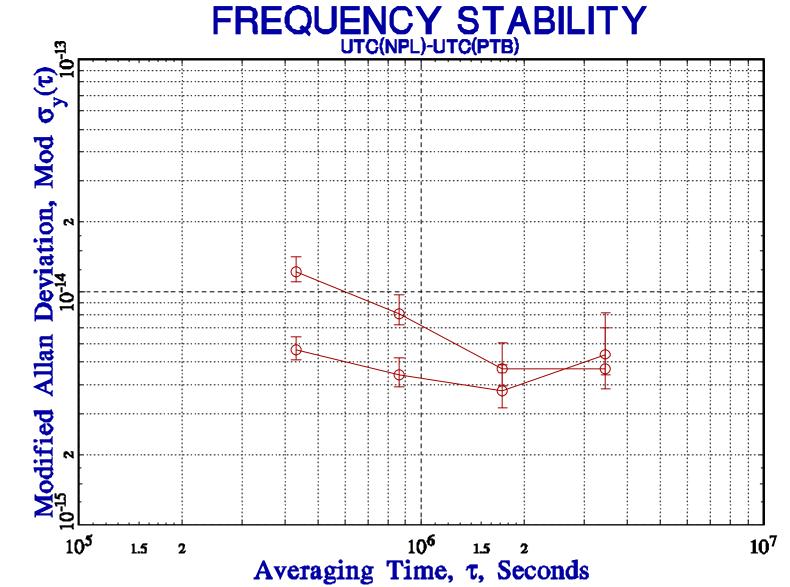




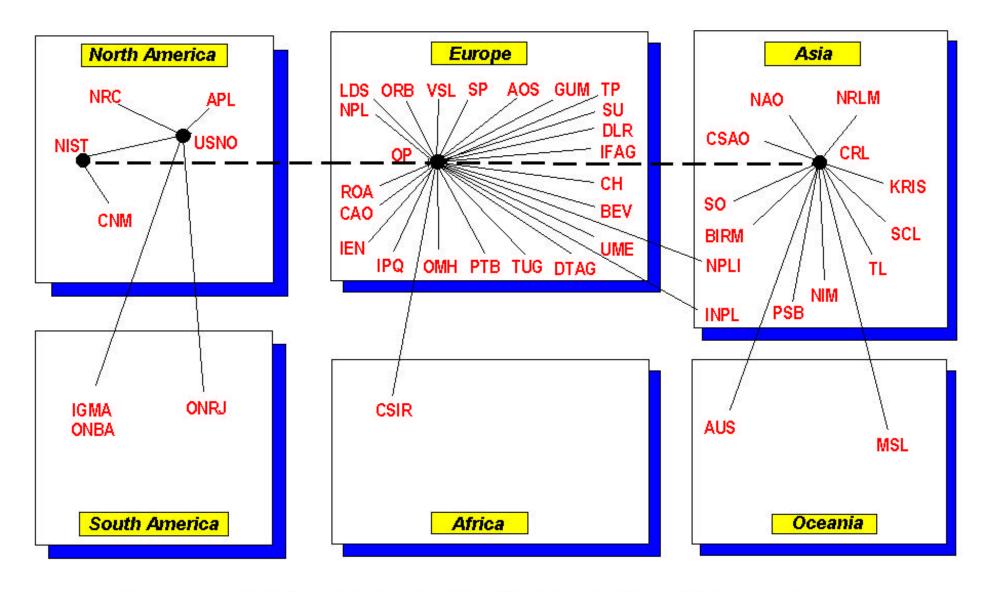
Stable 32





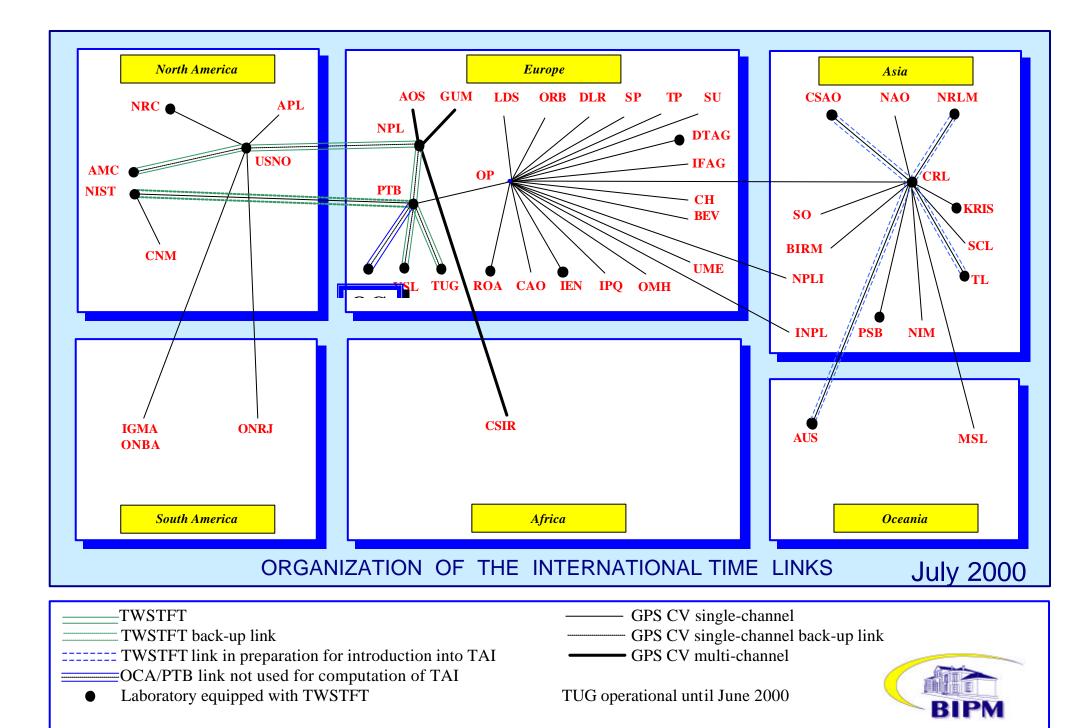






#### June 1999 ORGANIZATION OF THE INTERNATIONAL TIME LINKS

- GPS common-view
- GPS common-view (corrected with IGS precise ephemerides and ionospheric measurements)



# SUGGESTIONS FOR NEW TWO-WAY LINKS IN TAI

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Recommendation S 7 (CCTF 1999) :
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Second recommends :

that necessary studies be undertaken to allow the incorporation of TWSTFT data into the construction of TAI and that be implemented as soon as practical

AUS / CRL LINK

NRLM/CRL LINK

CSAO/CRL LINK

AND OTHERS LINKS IN PACIFIC RIM