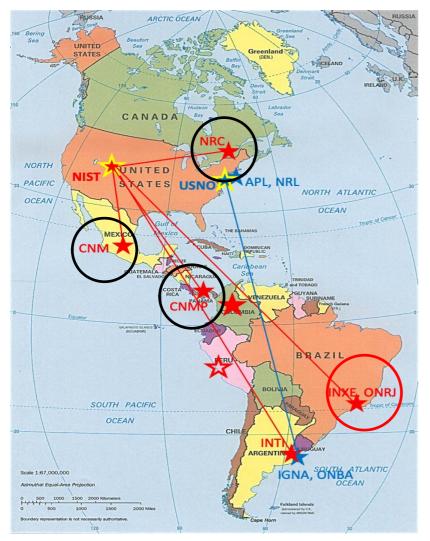


Bijunath R. Patla*
Time and Frequency Division – NIST, Boulder

May 23, 2022

★ brp1@nist.gov

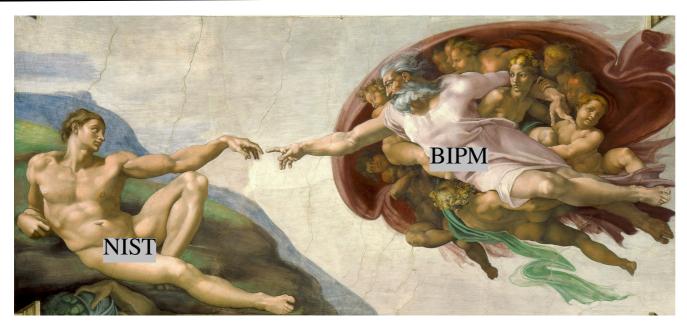




Completed

- * NRC: Ottawa, Canada / Cal_Id:1019-2017
- ◆CNM: Queretaro, Mexico / Cal_Id:1011-2017
- ☐ CNMP : Panama / Cal_Id: 1011-2017
- ☐ INXE, ONRJ /Cal_Id: 1012-2020
- Ongoing (almost over)

Argentina: Cal_Id 1014-2021



NIST-PTB link: Two-way + PPP Calibrated receivers: nist, niss, nisg

Image credit: Michelangelo, Public domain, via Wikimedia Commons

https://webtai.bipm.org/database

https://webtai.bipm.org/database/canvas.html

Cal_Id:1001-2014

Cal_Id:1001-2016

Cal_Id:1001-2018

Cal_Id:1001-2020



NIST calibration infrastructure

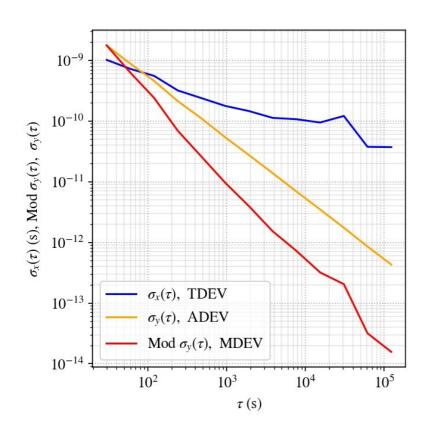
Signals from NIST time scale using H-masers, Cs

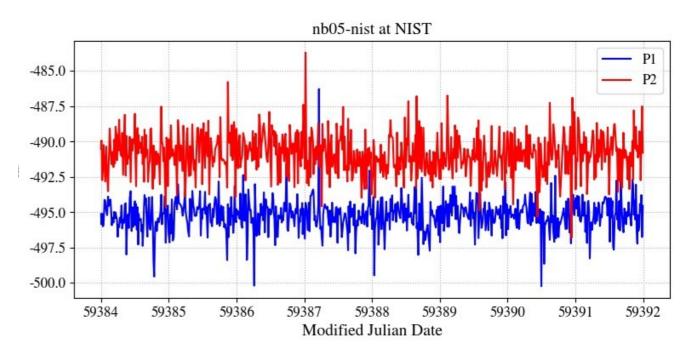
Pulse and frequency distribution amplifiers periodically characterized with WR trips

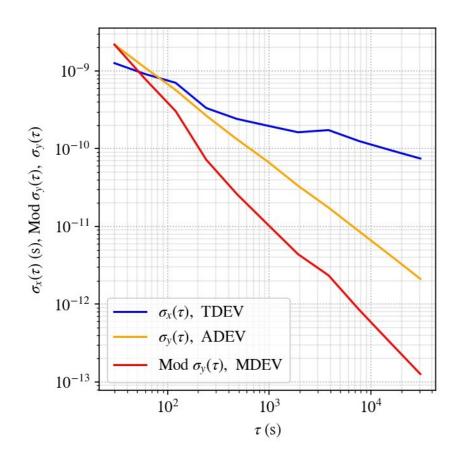
Data analysis and continuous monitoring

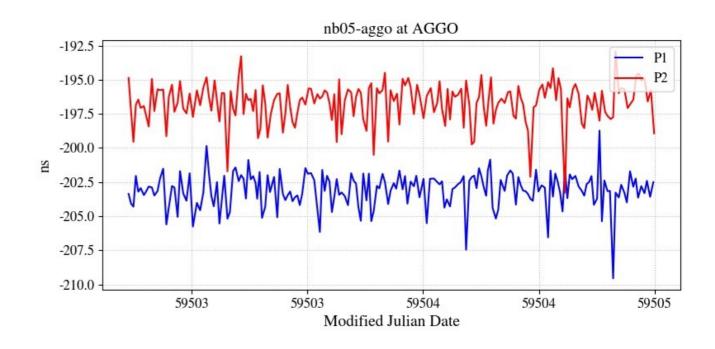


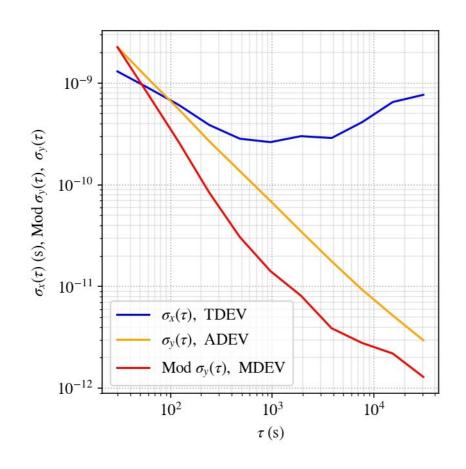


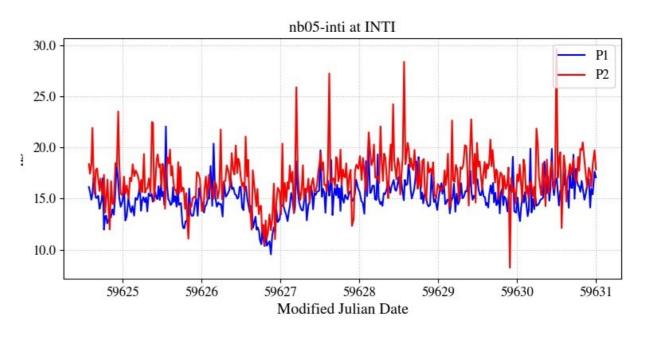


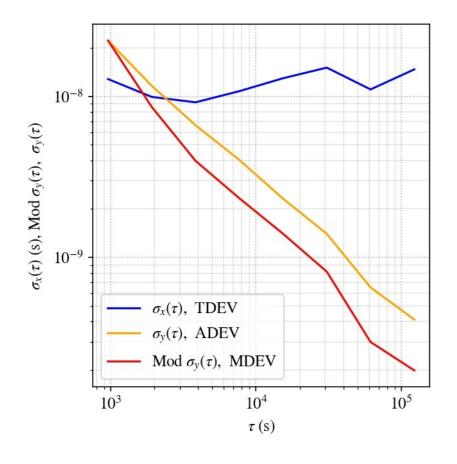


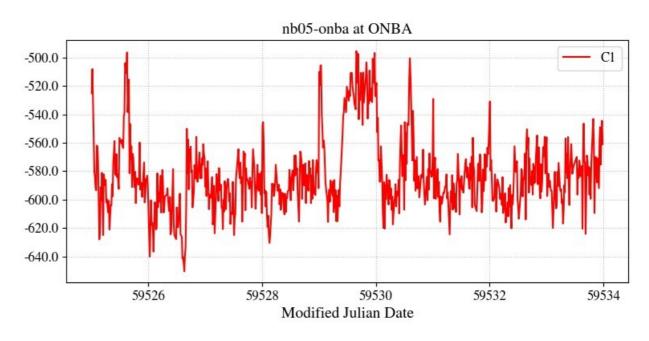












Preparing for G2:

- Contact NIST (brp1@nist.gov)
- Send a latest AnnexA information sheet
- NIST pays and arranges for shipping and customs to G2 lab (door to door).
- G2 lab is responsible for shipping and logistics back to NIST (door to door).
- All data must be uploaded to any accessible cloud locations at least on a weekly basis when the traveler is in the visited lab.
- Try to complete the trip within four months

-Thanks for inviting me-