

NESC Teams Meeting Summary

Prepared by: Matt Wilkinson, NESC Chair

The Networks and Engineering Standing Committee (NESC) had a successful virtual meeting on Wednesday, September 30, 2020 using Microsoft Teams; 31 participants joined the meeting.

We heard from representatives from Grasse, Mt Stromlo, Riga, Herstmonceux, Yebes, Yarragadee, San Fernando, NASA, Changchun, Wuhan, Kunming, Shanghai, Japan and Graz.

Colleagues from San Fernando presented the progress underway at their station to upgrade software and hardware, including the range gate generator and the telescope drive system.

Their slides and those from Grasse, Changchun, Wuhan, Kunming, and Shanghai are available on the NESC activities section of the ILRS website at:

https://ilrs.gsfc.nasa.gov/network/newg/newg_activities.html

Issues that were raised included:

- COVID-19 caused disruption, but stations have found ways to adapt and keep operating.
- Stations should ensure that their **Site Logs** and **Station History Files** are kept up to date, recording any hardware or software changes that could potentially cause a bias.
- System calibrations are important and monitoring calibration time series can reveal instabilities. It would be useful to help stations improve their system precision to help identify any causes of error. Changchun station has some concerns regarding their CSPAD detector, which is quite old.
- Upgrading from a Stanford SR620 counter to an event timer requires a calibration of the counter variation with range and the identification of points in the calibration history that require corrections.

Tell me what you thought. Should we arrange another virtual meeting in the near future?

Matt would like to thank everyone for attending and those who contributed to the discussion. He is looking for feedback regarding the virtual meeting and if another session should be arranged for the near future. If any attendees would like to contribute to a future meeting by bringing attention to an issue or providing an update or feedback, please let Matt know. It would be nice to build up an agenda in order to arrange another meeting before the end of the year.