Overview of the **TWG Charter**

- **TWG Chair** – Dr. Sharyl Byram, Chief of the GPS Analysis Division, Earth Orientation Department, US Naval Observatory

- Assess/improve the accuracy/precision of IGS GNSS-based troposphere estimates.

- Improve the usability of IGS troposphere estimates.
  - Confer with outside agencies interested in the use of IGS products.
  - Assess which new estimates should be added as “official” IGS products, and which, if any, official troposphere product sets should be discontinued.

- Provide and maintain expertise in troposphere-estimate techniques, issues and applications.
Progress since last AM Meeting (Dec 2019)

- Tropo Sinex v2.00 format finalized
  - Rosa Pacione and Jan Dousa leading
  - Supports:
    - Different Sources
    - Long Station Names from RINEX 3
    - Slant Delays
    - Long-term Time-series Station Parameters
- Tropo Comparison Interactive Website available for use
  - Christine Hackman and Jan Dousa leading
IGS Goals

Serving the community with facilitation, coordination, incubation, and advocacy in three strategic goals

GOAL 1 Achieve Multi-GNSS Technical Excellence
GOAL 2 Strengthen Outreach and Engagement
GOAL 3 Build Sustainability and Resilience
Future Work

- Tropo Sinex v2.00: Request IGS to formally adopt
- Updates to Tropo Comparison Website

- Next TWG meeting (virtual) in January 2022 (likely week of 24th)
  - Discussion of next projects for TWG, ideas solicited via survey sent out to mailing list a few weeks ago
    - Multi-GNSS estimates?
    - Reference ZTD used for climate science?
    - Expanded comparisons?
  - Discussion/nomination of Deputy Chair Position
  - Updating charter
Thank You!

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