

AGY ADVANCING EARTH AND SPACE SCIENCE AND SPACE SCIENCE FALL MEETING San Francisco, CA 9–13 December 2019

- L1/L2 Geometry-Free (GF) phase computation
- gradients trends \rightarrow RoSTEC (rate of STEC)
- 4. Fourier filtering for frequency range 5 60 min. (tuned for small and medium-scale TIDs)
- RoSTEC time series $\rightarrow \sigma_{RoSTEC_FFT_filtered}$
- 6. TID/irregularity detection by applying a detection threshold in $\sigma_{RoSTEC_FFT_filtered}$

- international Q-days per month / 5 D-days per month







Detection of medium-scale traveling ionospheric disturbances with TIMED/GUVI limb observations at mid and low latitude regions

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