Interactive comment on “Remote Sensing of Tropospheric Turbulence Using GPS Radio Occultation” by Esayas Shume and Chi Ao

Anonymous Referee #1

Received and published: 12 May 2016

General comments:

The manuscript presents research that use scintillation index to detect ionospheric turbulence, therefore represents a substantial contribution to scientific progress within the scope of AMT journal.

Detail comments:


Other authors use methods that are "more up-to-date" as: Full Spectrum Inversion (FSI) and Phase Matching (PM). Reference to the authors of the above publications and other methods is advisable.

The criteria of method selection criteria should be clearly emphasized.

The interesting result is that the authors created global seasonal maps of turbulences and fund a relation between scintillations and water vapor.

The results and conclusions are presented clearly and visualized by figures.