SOME REMARKS ON GPS TROPOSPHERIC DELAY PRODUCTS AND THEIR USEFULNESS

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Abstract

The paper deals with some areas of our research in GPS meteorology. We make statistical and graphical analysis of the majority of the tropospheric solutions and TDD combined product (TDDP) solutions. Further considered are affecting tropospheric solution quality are network geometry, position parameters, satellite geometry, satellite elevation angle, satellite range, and time variation. The results can be used not only for interested in combined product but also for improved processing strategies and guidelines.

We report on current works and experiences leading to start of GPS Tropospheric service in the topography. Finally, we present some interesting ideas for use of GPS tropospheric delay in meteorology and climatology (e.g., long-term analysis for different atmospheric conditions, TDDP distribution maps).