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TITLE: REAL TIME GNSS-SP NETWORK: A MULTIPURPOSE INFRASTRUCTURE

PRESENTATION TYPE: Assigned by Committee

CURRENT SECTION: Geodesy (G)

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ABSTRACT BODY: São Paulo State GNSS Network (GNSS-SP) is one of the densest networks at South Hemisphere. Most of the stations is equipped with meteorological PTU devices. Nowadays it is streaming real time GNSS data, providing support to RTK Network applications, real time TEC (Total Electron Contents) and ZTD/IWV (Zenithal Tropospheric Delay/Integrated Water Vapor) computations. Few stations also provide data to the IGS real time (IGSRT) service. Therefore, such network is characterized as a multipurpose infrastructure, having its data being used either for research in the field of Geodesy or Atmosphere, as well as to support operational applications. In the field of Geodesy it provides support for research related to positioning and reference system realization, detection of deformation, etc. Concerning the atmosphere, fields like Space Weather and Meteorology can take advantage of the derived TEC and ZTD/IWV products. In this presentation, we will show the status of the network, few results concerning the products provided by such infrastructure, besides the plans for the future of the network.
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Sponsor

SPONSOR NAME: None

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Additional Details

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Title of Team (if applicable)

Title of Team: Grupo de Estudos em Geodésia Espacial
