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IGS Real-Time Service - Status And Future Developments

Axel Rülke (1), Loukis Agrotis (2), Mark Caissy (3), Heinz Habrich (1), Peter Neumaier (1), Wolfgang Söhne (1), and Georg Weber (1)

(1) Bundesamt für Kartographie und Geodäsie, Frankfurt am Main, Germany, (2) ESA's European Space Operations Center, Darmstadt, Germany, (3) Natural Resources Canada, Ottawa, Canada

The International GNSS Service (IGS) provides high quality products for a large variety of scientific and engineering GNSS applications. Well known post-processing results are satellite ephemeris and station coordinates in a global reference frame, Earth orientation and atmospheric parameters. With its Real-Time Service now the IGS extends its capability to support applications requiring real-time access to products.

In this paper we introduce the latest status of the IGS Real-Time Service (IGS RTS) and describe its Initial Operational Capability (IOC). Components of the implemented infrastructure are described and an overview on available products and their usage is presented. The product quality is evaluated in view of applications such as real-time Precise Point Positioning (PPP).

The plan is to declare Full Operational Capability (FOC) in 2014, as soon as the IGS Governing Board is satisfied with the accuracy and availability of the GNSS products. Hence the presentation closes with an outlook on progress towards real-time multi-GNSS in IGS.