Geophysical Research Abstracts
Vol. 15, EGU2013-11168, 2013
EGU General Assembly 2013

The IGS Real-Time Service

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The IGS Real-Time Service (RTS) is being rolled out in 2013 following the successful completion of the IGS Real-Time Pilot Project. The RTS has recently completed beta testing and is now operating at the level of initial operating capability. The service will reach full operating capability by the end of 2013. RTS products include GNSS data streams and GNSS orbit and clock correction streams. These products are available in real-time in accordance with the IGS open-data policy using RTCM standard formats and the NTRIP transportation protocol. The RTS is key to IGS's support of the GGOS Natural Hazards theme. Of particular importance in this context is the high degree of redundancy that is build into the RTS in order to reliably support public-good scientific applications commonly associated with natural hazards; for example, precise-point positioning applications requiring high accuracy and low latency related to earthquakes and tsunamis . This presentation will illustrate the data gathering through product generation to user distribution design of the RTS, highlighting built-in robustness at various stages. The presentation will also present an assessment of the performance of the service to date.