

FIELD TEST OF THE GPS+GLONASS RTK AT THE CAGLIARI PERMANENT STATION VIA INTERNET

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ABSTRACT:

In the frame of the EUREF-IP project, the Topography Section of the University of Cagliari has set up a permanent station, which since July 2002 sends differential corrections via Internet for both DGPS and RTK positioning. The permanent station, identified by the name "CAGZ", is part of the IGLOS network and, since October 2003, of the EPN network. The Javad-Topcon permanent station receiver acquires signals from both the GPS and GLONASS constellations.

In this job the results of various tests are introduced, in which GLONASS observations have been added to the GPS ones to study the improvement obtained by the RTK technique.