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GRGS-CLS GNSS precise orbit determination

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GRGS and CLS teams process regularly GPS data from a worldwide network of IGS permanent stations. We compute precise GPS orbits together with Earth rotation parameters and stations coordinates at the sub centimetre level. Our solutions have been submitted since January 2004 to the International Earth Rotation Service in the framework of the Combination Research Centre experiment.

We present here the method used as well as the evaluation of the derived products in comparison to IGS. Our capability to compute IGS-like products at the same level of precision and delay as any Analysis Centre is demonstrated. Galileo data will be used for the same applications in the future.