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Reiteration of the CNES/GRGS 10-day series of gravity field models from GRACE and LAGEOS data

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The GRACE mission allows monitoring large- scale time variations of the Earth's gravity potential. These are usually converted into surface water mass variations (provided that all other gravity effects are correctly modelled). 10-day to monthly solutions are now regularly computed by a few groups over the world and made available through different archives or web servers. For instance, CNES/GRGS series from 2002 to 2007 are made available through the BGI web site (http://bgi.cnes.fr). Since 2002, processing standards have evolved and groups have gained experience in how to correctly parameterize the orbit. That is why we recently decided to reiterate GRACE (and LAGEOS) data processing on the same 10-day basis in order to homogenise results with latest processing standards. In this presentation we propose to show this on going work by CNES/GRGS, and to point out improvements with respect to former and other gravity time series.