

IDS Inter-Center Analyses and Comparisons for ITRF2008

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The International DORIS Service, after becoming a service of the IAG in 2003, has started to deliver routine solutions. Until recently only three analysis centers contributed individually to IDS solutions: IGN, and LCA, and INASAN.

Now recently several new centers have agreed to make contributions to the IDS in view of the preparations for the IDS submission to ITRF2008. These include the analysis centers at the Geodetic Observatory Pecny (GOP), the European Space Operations Center (ESOC), and Geoscience Australia (GA).

This paper will describe the status of the inter-center orbit comparisons for the 2005 benchmark, and the new 1994 benchmark, as well as the progress made since this year in removing discrepancies in center submissions. We will also discuss the reprocessing of the SPOT-3 data, and the tests of attempting to develop a new macromodel for that spacecraft. If time permits, we will intercompare the empirical accelerations of the different center solutions, at least over a finite time span (2005), recognizing the amplitude of these accelerations reflects both the analysis strategy and the type of nonconservative force modelling implemented in the different center software.