Analysis of DORIS stations coordinates long time series with CATREF software

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Since the International DORIS Service started operating in 2003, the processing of DORIS data has been enhancing continuously. Four scientific geodetic groups have processed the whole data set since 1993: INASAN (GIPSY software), Geoscience Australia (GEODYN software), IGN/JPL (GIPSY software), LEGOS/CLS (GINS software). Most of them have provided monthly and/or weekly series of stations coordinates in Sinex format. NASA/GSFC also provided solutions over 2004. The available long time series from the above-mentioned AC’s have been processed individually by the Terrestrial Reference Frames (TRF) combination CATREF software developed at IGN/LAREG. We focus here the analysis on the coherency or discrepancy of the weekly TRF parameters.