

Reference Frame Working Group Report
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Eight Analysis Centers (cod, emr, esa, gfz, jpl, mit, ngs, and sio) are contributing weekly SINEX products. The evolution and the status of the weekly SINEX combination will be presented. The emphasis will be on the period since 2006/11/05 (GPS week 1400) when 3 important changes were made. Those changes were: 1) switch from relative to absolute antenna phase centers; 2) update the reference frame stations list (from 99 to 133 stations); 3) update the reference frame realization (IGb00 to IGS05). The status of the IGS05 Reference Frame Realization will also be presented. As in previous Reference Frame Realizations, the number of available reference frame stations has gradually decreased. The main causes of the reduction of reference frame stations are: 1) the unavailability of Rinex data 2) coordinates time series discontinuities. The evolution of the network, of the consistency of the parameter types (Coordinates, ERPs, Geocenter) will also be presented.