

V. Luceri, M. Pirri, G. Bianco

### **Assessment of systematic error estimation**

The ILRS standard products (site coordinate, Earth Orientation parameters, orbits) are provided by the ILRS Analysis Centers following the guidelines agreed within the Analysis Standing Committee. The estimation of systematic errors is under debate since a couple of years and a pilot project has been planned to investigate alternative approaches that could improve the analysis results.

The approach of the pilot project allows the simultaneous estimation of site coordinates and range bias for each station regardless of correlation with events at the station that could have introduced systematic errors in the observations.

The assessment of the approach is presented in terms of impact on the ILRS standard product and on the terrestrial reference frame realization, with particular attention to the scale.