



## **ITRF2013: preliminary analysis and early results**

Zuheir Altamimi, Xavier Collilieux, Laurent Métivier, Paul Rebischung, and Daphné Lercier  
Institut national de l'information géographique et forestière, LAREG - Université Paris Diderot, Paris, France  
(zuheir.altamimi@ign.fr)

This paper will address key questions regarding the ITRF2013 elaboration: frame specifications (origin, scale, orientation and their time evolution) and how they will relate to ITRF2008; non-linear station motions (seasonal signals and post seismic deformations) and how they will be modeled; local ties and station co-motions and how they will be weighted, taking into account technique discrepancies at co-location sites. A particular emphasis will be given to assess the stability of SLR origin as well as SLR and VLBI scales over the entire observation history of both techniques. To answer these questions, early submissions to ITRF2013 of technique solutions will be analyzed, otherwise operational technique products will be used instead.