

ITRF2013 Analysis and SLR Contribution. Z. Altamimi¹ X. Collilieux¹, L. Métivier¹, P. Rebischung¹ and D. Lercier¹ Institut National de l'Information Géographique et Forestière, Université Paris Diderot, 35 rue Hélène Brion, 75205 Paris Cedex 13, France, zuheir.altamimi@ign.fr.

Introduction: The paper will address key questions regarding the ITRF2013 elaboration: frame specifications (origin, scale, orientation and their time evolution) and how they relate to ITRF2008; non-linear station motions (seasonal signals and post seismic deformations) and how they are modeled; local ties and station co-motions and how they are 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 and the level of their agreement over the entire observation history of both techniques. Major results of the ITRF2013, with particular emphasis on the SLR contribution, will be presented and discussed.