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1.1 ITRF2014: Preliminary results and ILRS contribution

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The ITRF2014 is expected to be more robust and accurate than past ITRF versions, by precisely modeling and estimating non-linear station motions, including periodic signals and post-seismic deformation following major Earthquakes. The paper highlights some preliminary results of the ITRF2014, evaluates the performance of the ILRS contribution, and assesses the level of agreement between terrestrial local tie measurements and space geodesy estimates, focussing on SLR-GNSS co-locations.