ITRF2020 and the ILRS contribution

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The ITRF2020 published on April 15, 2022 is provided in the form of an augmented reference frame so that in addition to station positions and velocities, parametric functions for both PostSeismic Deformation (PSD) for stations subject to major earthquakes and periodic signals (expressed in the Center of Mass frame of Satellite Laser Ranging) are also delivered to the users. The presentation will summarize the main results of ITRF2020 analysis, with a special focus on the ILRS/SLR contribution. In particular, the paper will discuss the usage of the ITRF2020 kinematic model, the level of the scale agreement of the four techniques, as well as their variations and behaviour over time. We will also discuss the level of technique consistencies of nonlinear station motions at co-location sites, as well as some key performance indicators of the ITRF2020.