



Report of JPL ITRS Combination Center

presented by
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Activities

- SREF development (Chin et al.)
 - Status
 - Time variable, square-root information filter with full process noise matrix
 - Optionally estimates radio source positions for joint TRF/EOP/CRF determination
 - TRF and joint TRF/EOP/CRF test solutions being analyzed
 - Plans
 - Reproduce JTRF2014 with SREF
 - Include EOP dynamics, postseismic displacement model
 - Will use SREF to determine JTRF2020
- Joint TRF/EOP/CRF determination (Soja et al.)
 - Using SREF to jointly determine TRF/EOP/CRF
 - Geodesy Division Outstanding Early Career Scientist Award Lecture by B. Soja:
Chasing Consistency: Joint Determination of Terrestrial and Celestial Reference Frames
Session G2.6, Tuesday April 9, 15:30–15:45, Room D2
- JTRF2014 analysis (Abbondanza et al.)
 - Submitted article to *Comptes Rendus Geoscience*
A Sequential Estimation Approach to Terrestrial Reference Frame Determination
by Abbondanza, C., T. M. Chin, R. S. Gross, M. B. Heflin, J. W. Parker, B. S. Soja, and X. Wu
 - Invited for special issue on Space-Time Reference Frames
 - Reviews JPL's approach to determining TRFs, comparing it to other approaches

