

Current status of EOP combination at the Institute of Applied Astronomy

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During last year we continued to develop methods and software for comparison and combination of EOP series. We have been performing experimental computation of combined EOP series (LOD, UT1, PM) based on the VLBI, GPS and SLR series routinely computed at the IAA in the framework of the regular IAA EOP Service.

This job is being made in several steps:

- UT1(VLBI) solution obtained from combination of 24h and intensive VLBI series;
- LOD(Sat) solution with daily resolution obtained from combination of GPS and SLR data;
- UT1(Sat) series computed by means of integration of LOD(Sat);
- final combined UT1 series obtained from the VLBI and satellite solutions;
- PM(Sat) solution with daily resolution obtained from combination of GPS and SLR data;
- final combined PM series obtained from the VLBI and satellite solutions.