

Preparing the Bernese GPS Software for the analysis of SLR observations to geodetic satellites

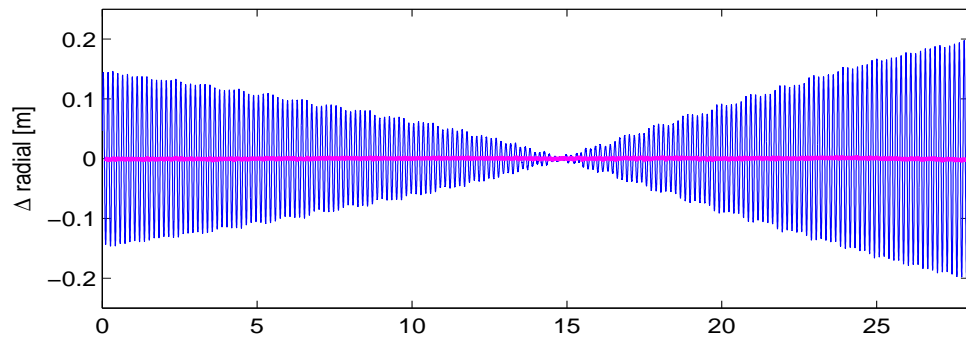
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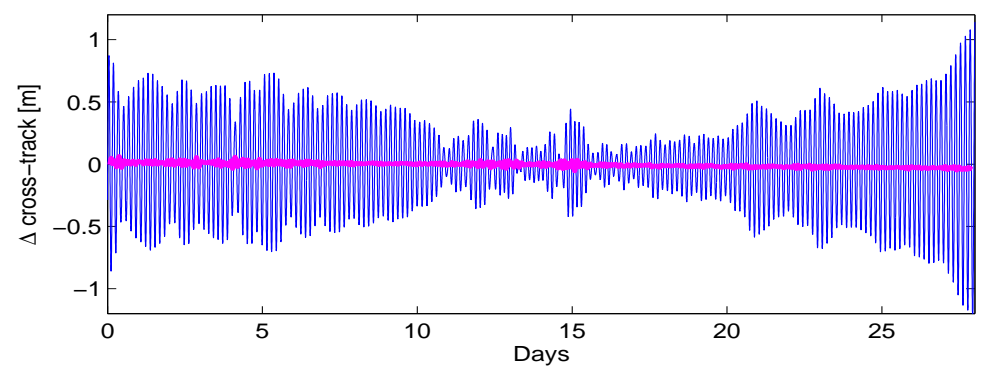
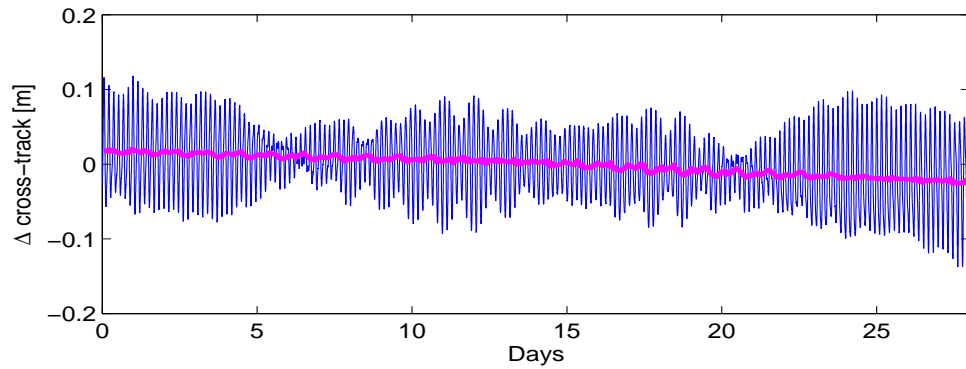
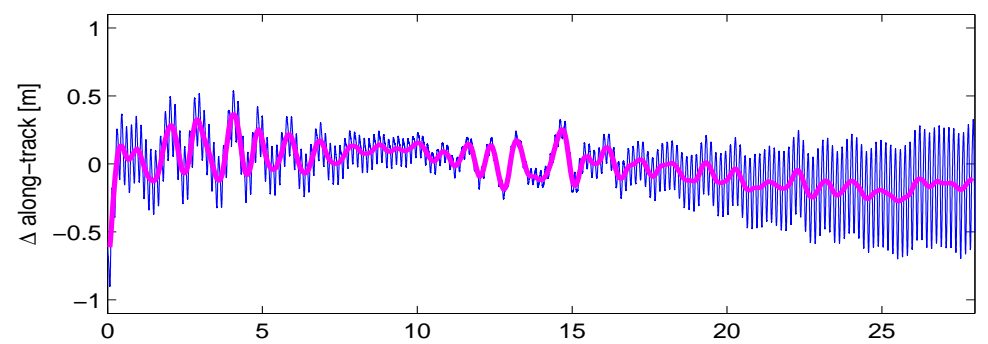
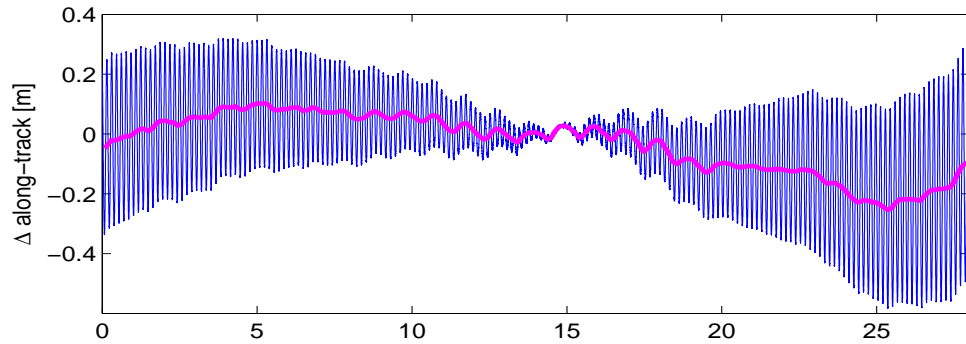
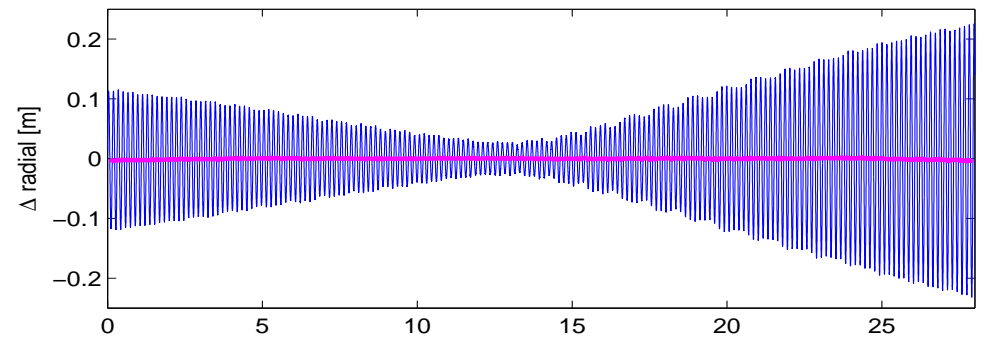
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Benchmark solutions B and C

Orbit differences bkg w.r.t. AIUB: Solution B



Orbit differences BKG w.r.t. AIUB: Solution C



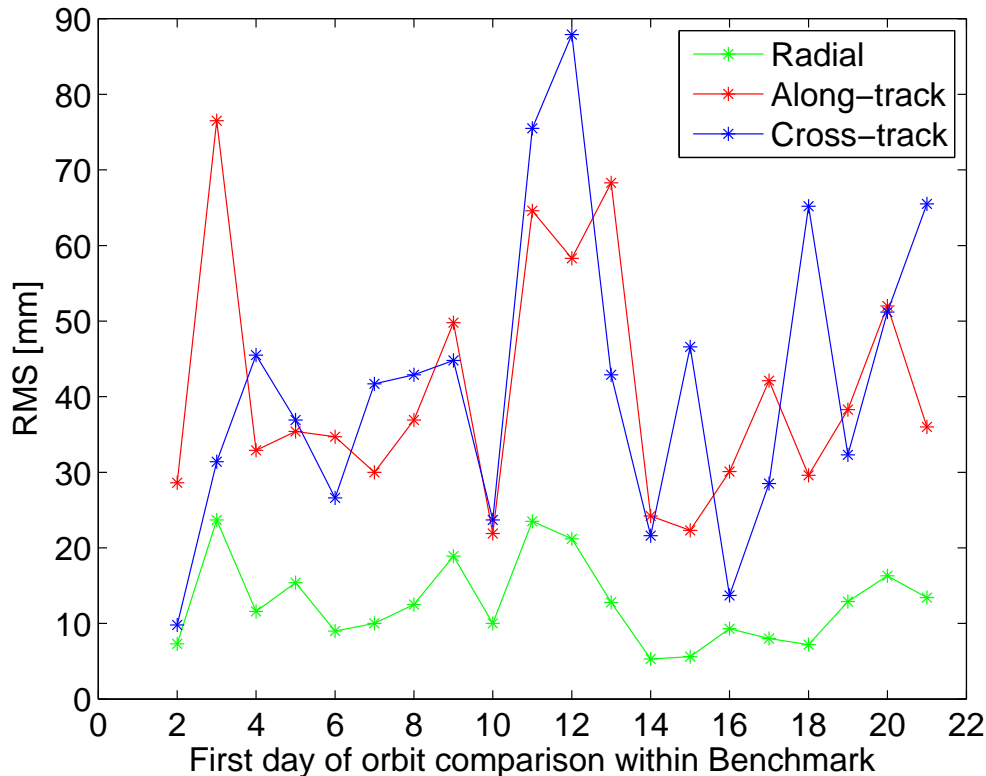
Orbit repeatability

Compute a series of *8-day arcs* for the Benchmark data set;
each arc shifted by one day

⇒ orbit comparison of two adjacent 8-day arcs = *7 overlapping days*

- Similar procedure for *12-day* and *16-day* arcs (11, 15 overlapping days)
- Different solution types: *B, C, D*

RMS of residuals for series B8



RMS of residuals for series D8

