

Further Studies on the Influence of Range Biases

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For the purpose of subsequently mitigating systematic errors in SLR-based solutions of terrestrial reference frames (TRF) the ILRS Pilot Project on Systematic Errors is continued by adding the Etalon satellites. Within this solution series, spanning the period 1993-2018, besides the usual TRF parameters and the range biases (RB) estimated per station for the LAGEOS satellites also combined RB over the whole station network for each ETALON satellite are estimated. Here, the series BKG contributed is studied in some detail focusing on the long-term behavior of the RB, the impact on the TRF parameters and on correlations.