

The Centre of Mass Correction of LARES and LAGEOS

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The advent of the LARES satellite and the increasing number of kHz-SLR-stations motivated us to estimate the Centre of Mass Correction of spherical satellites. Single photon data from different kHz-stations using different detector types have been used for a best fit of the model parameters. The results depend significantly from the pre-processing (filtering) procedure, especially in the case of a SPAD detector because of its asymmetrical response function. Recommendations for the pre-processing are given to achieve stable results.