

Analysis of PRARE data for ERS-2

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Abstract

This paper summarises the analysis of PRARE data for ERS-2 orbit determinations at Aston University. Comparisons are made for orbits determined using laser tracking, PRARE and single satellite crossovers. Details of station coordinates and the range bias will be presented. Assessment of the impact of the global network of PRARE tracking stations on ERS-2 orbits is made through analysis of global and regional distributions of dual satellite crossovers residuals with TOPEX/Poseidon.

Keywords: Precise orbit determinations, PRARE, crossovers