ASSESSMENT OF JASON-2 ORBIT QUALITY USING SSH CROSS-CALIBRATION WITH JASON-1 AND ENVISAT

Introduction : This poster aims at showning results from the Sea Level Height Cross-over analysis to enlight geographically related patterns or behaviors signing on the ocean altimetric observations using the 3 precise altimetric missions Envisat (EN), Jason-1 (J1) and Jason-2 (J2). This enables to quantify the very good performances of the Jason-2 orbits both in Near Real Time (IGDR) and Delayed time (GDR)

IGDR GDR Average Crossovers ENEN GDR Average Crossovers ENEN IGDR RB POE – MOE E Average of the cyclic Geographic Biases average per - Local Asc/Dsc bias 4°x4° box - Same geographic smoothed patterns in IGDR 11x11 boxes and GDR -3cr Envisat POE-MOE average over 22 cycles: The difference is milimetric Standard deviation of Variability the cyclic



(4 x4), (Lat<50, Bathy>1000 Var<ion results : SSH difference





To conclude
In GDR (with POE), the time variability
S:
 Very much decreased for J1

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