

REGIONAL CALVAL AND ALTIMETRY ACTIVITIES AT THE CTOH Centre for Topographic studies of the Oceans and Hydrosphere



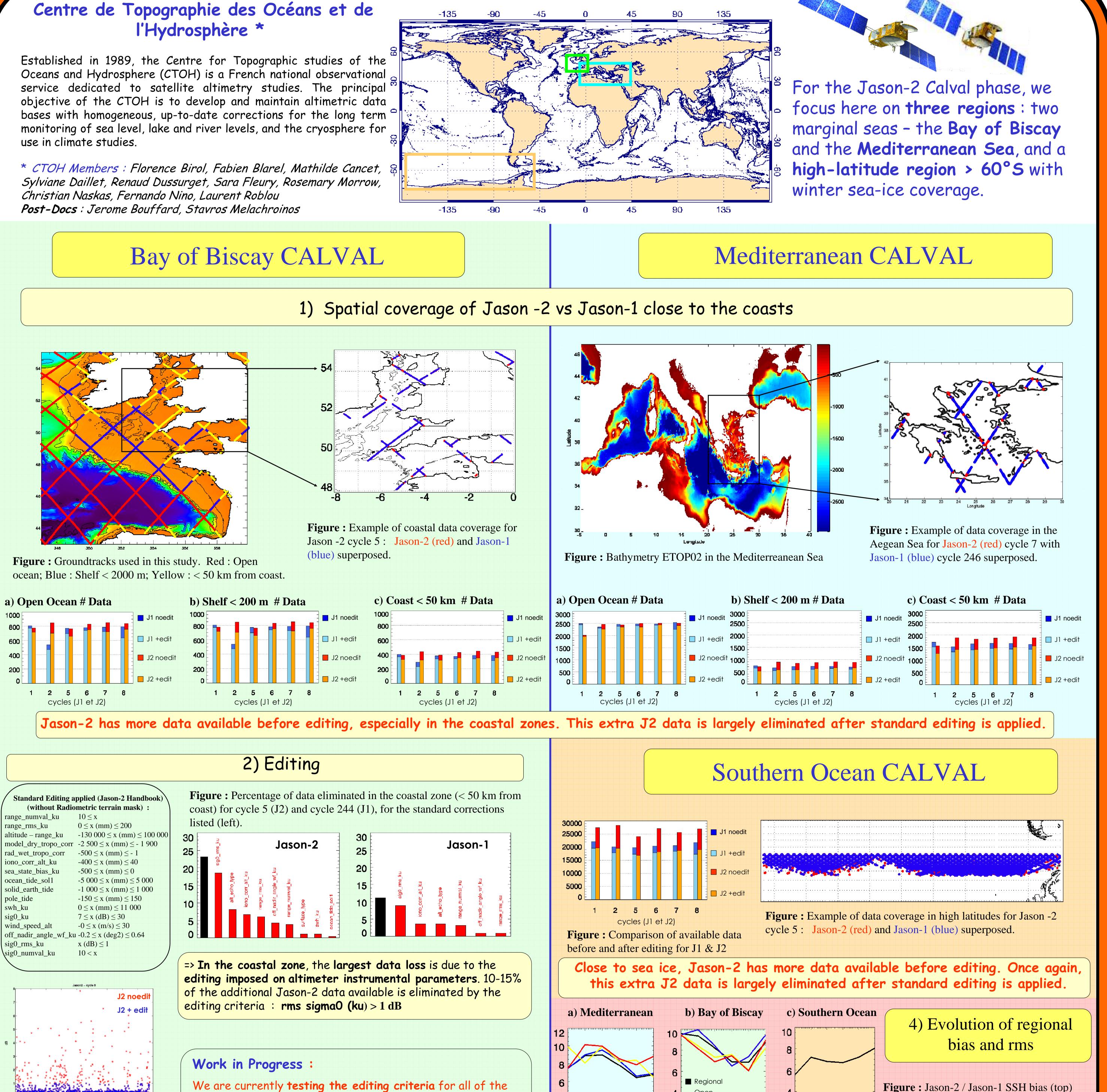
INSTITUT NATIONAL

DES SCIENCES

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CTOH : An observational service dedicated to satellite altimetry www.legos.obs-mip.fr/observations/ctoh/





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corrections and instrumental parameters in the coastal zone

Eg, Testing changes in the alongtrack evolution of parameters, rather than cutoff limits.

ocean and rms (bottom) for all the studied basins. Coast < 50 km Bias Bias Bias Shelf (dep. (cm) (cm) (cm) < 200m) 2 5 6 7 8 2 5 6 7 2 5 6 20 Biases (J2 - J1) in corrected SSH show a clear positive bias of ~7.8cm with a 10 significant variability (1.25cm rms). These biases also differ for all basins 10 although coastal zones biases have a relatively good agreement over cycles Bias rms. Bias rms. Bias rms. with open ocean biases. (cm) (cm) (cm) 78 2 5 2 5 6 7 8 2 5 6 cycles (J1 et J2) cycles (J1 et J2) cycles (J1 et J2)

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Table : Mean distance of the first data point from the coast, for tracks approaching and leaving the coast, for Jason-1 and Jason-2, with and without standard editing.

3) Tracks approaching and leaving the coast : Editing effects

Distance (km)	Jason-1 – no edit	Jason-1 – with edit	Jason-2 – no edit	Jason-2 – with edit
Approaching the coast	11.1	13.7	5.5	11.2
Leaving the coast	8.1	12.7	6.4	12.5

Jason-2 has more data point closer to the coast, and especially for tracks approaching the coast. This benefit is removed when the standard editing is applied.