

## Introduction

calibration of Jason-1/2 measurements with other flying precise altimetric missions is essential to assess data quality and performances. Cross calibration with Envisat is important for data qualit sment but also for allowing combination of altimeter datasets as required by applications and operational oceanography. This poster is complementary to the Envisat/Jason-1 Cross calibratio



\*20Hz spectra are computed from 2 days of data +On 20Hz data at frequencies higher than 3Hz the Envisat signal is hidden by a plateau at 10 <sup>3</sup>m<sup>3</sup>s. This plateau is the signature of a 9.2 cm while noise. Assuming uncorrelated 20 Hz noise. It is equivalent to 2.1 cm for the 1 Hz averages. The Jason-T spectra has a similar shape as Envisat but with a lower plateau (7.9 cm). Unlikely, on Jason-2, the spectrum does not behave as a white noise. A weak slope is noticed for the frequencies higher than 3Hz, showing a coloration on the noise at these frequencies. This effect is seen for all the tracker modes including SGT one (chosen for Jason-2 s Cycle 1) which is identical to the one used on Jason-1. This different behavior is currently under investigations. By now, it was seen to be unchanged by selections on data (distance to coast, 20 valid data per second, selection on mispointing, waves or MQE criteria.) Elsewhere, the spectrum is similar to the other missions. Note that a higher energy in the 0.1-0.4 Hz (20-50km) bandwidth is noticed for the three missions. 01-0.4 Hz (20-50km) bandwidth is noticed for the three missions.



he high frequency content of the mission is another way of quartifying the data quality. It 1Hz, the three missions compared have a complete agreement. On the other hand, an unexplain oise above 3Hz is noticed for Jason-2. This coloration is particularly evidenced when the spectrum



Collecte Localisation Satellites 8-10 rue Hermes 31526 Ramonville Saint Agne - France



