



CryoSat Processing Prototype, LRM Processing on CNES Side and a Comparison to DUACS SLA

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A Cryosat Processing Prototype (C2P) has been developed on CNES side to prepare the CNES SAR ocean retracking study. In order to validate our prototype, the analysis has also been conducted on the LRM data. C2P uses directly the LRM telemetry files and perform the whole processing steps required to derive sea surface information. It is so independent from the CryoSat PDS officials products. The C2P has been validated thanks to the use of Jason-2 data and operational products. In that frame, we have demonstrated a very good agreement between the C2P products and Jason-2 operational products. This provides so a very valuable validation of this prototype. We have then experienced the processing on CryoSat products over November and December 2010 and we have performed cross comparison exercices with Jason-2 mission data and with multi mission DUACS maps.

This paper will focus on the CryoSat data quality assessment over ocean.