



ESA Sea level CCI

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1. Executive Summary

1.1. Scope

The Sea Level CCI responds directly to the GCOS requirements for the Sea level ECV (Product O.2 in GCOS-107) through the generation and validation of multi-mission ECV products from the altimeters on TOPEX/Poseidon and Jason series, as well as ERS1/2, Envisat and GFO. To achieve this global objective, the specific objectives for the Sea Level CCI are:

- To involve the Climate research community to improve the understanding of their needs;
- To develop, test and select the best algorithms and standards in order to produce high quality sea level products for climate applications;
- To assess and collect information on the quality and error characteristics of the Sea Level ECV product through the involvement of independent climate research groups;
- To provide a complete specification of the operational production system that should be developed during the phase 2 of the ESA CCI programme.

2. Overall progress of project

The production of the Phase 1 SLCCI ECV products is completed. Additional work is on-going regarding algorithms improvement for orbit corrections and wet tropospheric corrections. Also the climate research group is working on the SL ECV product

3. Status of ECV production

The Sea level ECV products were delivered last September and covered the period 1993-2010 (18 years). Assessment by the climate research group is on-going.

4. Next Steps - plan to project completion

December 2013. A progress meeting was held in June and the final meeting will take place at the same time of the phase 2 KO meeting