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A Kerguelen regional Sea Level product to support the KEOPS2 experiment

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The KEOPS2 campaign (PI: S. Blain, Observatoire Océanologique de Banyuls sur mer, UPMC) took place during October-November 2011 around Kerguelen Islands. The aim is to elucidate the response of ecosystem functioning and of the biogeochemical cycles to natural iron fertilization, a key factor controlling ecosystem dynamics (including CO_2 export) in the Southern ocean and other basins. It is a multidisciplinary campaign heavily relying on high quality satellite data.
A specific support from CNES enables KEOPS2 to benefit from such products, both in real time and delayed time production. CNES contributes, via Ssalto/DUACS project and in collaboration with LEGOS, to specifically process altimeter products and derivates for Kerguelen area. They consist in Mean Dynamic topography, Along-track and gridded altimeter products (Sea level anomalies and absolute dynamic topography) and derivates (anomalies and absolute geostrophic surface currents). Combined product, such as total surface current (including Ekman component) will be also delivered.
KEOPS2 campaign will then contribute to improved Ssalto/DUACS products, via in situ measurements and users feedback.