SENTINEL-3 Ocean Land Color Imager (OLCI): Land products and validation

Abstract:
This paper first summarizes the operational land products of the future Ocean Land Colour Instrument (OLCI) on board Sentinel3, in particular, the Fraction of Absorbed Photosynthetic Active Radiation (FAPAR) and the OLCI Terrestrial Chlorophyll Index (OTCI). Then the validation plan of these products is then presented: it focuses on an independent strategy for making use of ground-based measurements over a large sample of vegetation types together with radiative transfer modelling for assessing theoretical accuracies from both space and in-situ retrieval methods.

Authors:
GOBRON Nadine
DASH Jadunandan
LOPEZ-BAEZA Ernesto
CESCATTI Alessandro
GITELSON Anatoly
GRUENING Carsten
SCHMULLIUS Christine
WIDLOWSKI Jean-Luc

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