



S3 Product Notice – OLCI

Mission	S3-A
Sensor	OLCI
Product	L1B FR and RR
Notice editor	Commissioning phase is still on going. This is the preliminary release of OLCI L1B product beta version to Expert Users.
Product Notice ID	S3MPC.PN-OLCI.001
Issue Date	9 May 2016
Version	issue 1 revision 0
Filename	OLCI_Product_Notice_06052016



Processing

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- IPF Processing Baseline: V1.7 updated on 26/04/2016
- L1 IPF version: V1.7 updated on 05/03/2016

Description

Product type: OLCI L1B Full Resolution and Reduced Resolution Near Real Time and Non Time Critical.

The OLCI L1B products beta version are released to expert users for further testing and validation.

The Commissioning Phase is still on-going and therefore evolutions and improvements are expected in the short term before official core data product release of Level 1 OLCI data at the end of the commissioning phase.

The beta version corresponding to processing baseline 1.7 have known limitations that are summarised below:

- **Radiometric Calibration:** The radiometric calibration has been performed nominally using the nominal diffuser. Due to the limit amount of data (less than 3 months), no degradation model has been derived yet. On 25-Apr a modified calibration sequence was carried out for timing (5.6sec earlier) and gain settings. The retrieved calibration data is used in the IPF to start the initial L1b product validation. The temporal variation of gain and dark measurements are currently under assessment. Early vicarious calibration results demonstrate that OLCI is radiometrically very well comparable with MERIS and other sensors (nb: vertical striping at camera interface can be observed in some bands – known as period noise. Investigation and potential correction are on-going).
- **Spectral calibration:** First in-flight spectral diffuser measurements and the results from the spectral campaign indicate that all cameras are well within the pre-launch calibration model as provided as TN (include link: <https://sentinel.esa.int/web/sentinel/technical-guides/sentinel-3-olci/olci-instrument/spectral-response-function-data>)
The spectral in-flight verification will continue with further campaigns leading to a potentially refined in-flight Spectral Response Function (SRF) description.
- **Geometric performance:** After functional verification of satellite and instrument various updates were performed (e.g., startracker configuration). The latest NAVATT correction update was carried out 26-Apr, which allows to start the geometric calibration process. At the moment the data is not regarded geometrically correct.
- **Format consistency** check was initially performed indicating that the data can be used for the tools tested. A full product verification is an on-going activity.



End of the Product Notice