

Wednesday, October 10

Poster Session 3

16:00–18:00

Poster 135

OCEAN COLOUR FROM THE COPERNICUS SENTINEL-3 MISSION: PRODUCT STATUS AND ONGOING EVOLUTIONS

Copernicus Sentinel-3A OLCI has opened an era of European operational ocean colour observations and represents a significant achievement in the maturity, accessibility, continuity and routine utilization of ocean colour measurements. A consistent time series of OLCI-A products is now available, spanning over two years of operation. After the successful Sentinel-3B launch in April this year, OLCI-B is now also joining this record. The poster will describe the quality status of OLCI ocean colour products based on validations with in situ measurements and time series inter-comparisons with contemporaneous missions and climatologies. Guidance on the use of the products will be provided, including product limitations and the application of flags to mask cloudy or unreliable pixels. Sentinel-3 Validation Team, ocean colour sub-group (S3VT-OC), contributes important validation results and data for open ocean, coastal zones and inland waters. S3VT-OC validations will be summarized and OLCI capabilities further highlighted. Ocean colour product improvements and evolutions are a part of on-going OLCI activities, led by EUMETSAT and the S3 MPC ESA contract, to meet the mission requirements and the needs of data users. OLCI has an extended spectral and spatial resolution and precision compared to the past and contemporaneous missions. These capabilities are now being utilized to improve the processing and to address user needs with new products.

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