



Breakout Workshop:

Ocean Colour Satellite Sensor Calibration

Co-Chairs:

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Scope and Goals

This session is a meeting of the IOCCG Task Force on Ocean Colour Satellite Sensor Calibration. The Task Force is composed of Space Agency calibration and characterization experts and supports exchange of calibration methods and ideas. The Task Force presents recent advances and challenges in the pre-launch and on-orbit calibration of ocean colour satellite sensors. The Task Force focuses on the delivery of highly accurate top-of-atmosphere radiances (or reflectances) based on direct instrument calibrations. The application of system vicarious gains or water-leaving radiance specific issues are not within the scope of the Task Force.

Key Questions

1. The Ocean Color Instrument on the PACE mission launched February 2024. What have we learned from its first full year of on-orbit calibration?
2. What are current calibration issues of on-orbit ocean colour satellite sensors such as GOCI-II, MODIS, OLCI, SGLI, and VIIRS?
3. What are the challenges regarding instrument design and calibration for ocean colour satellite sensors currently in development, such as A- OLCI Next Generation?