



OBDAAC Seasonal News and Updates

Summer/Fall 2024

Upcoming Events

User Needs Technical Interchange Meeting (UN-TIM)

November 18 - 22, 2024

NASA Langley Research Center

[More Information](#)

HPLC Phytoplankton Pigments Inter-comparisons (HIP) Workshop

December 3-4, 2024

Ispra, Italy & Online

[More Information](#)

PACE Applications Workshop

December 8, 2024

Washington, D.C.

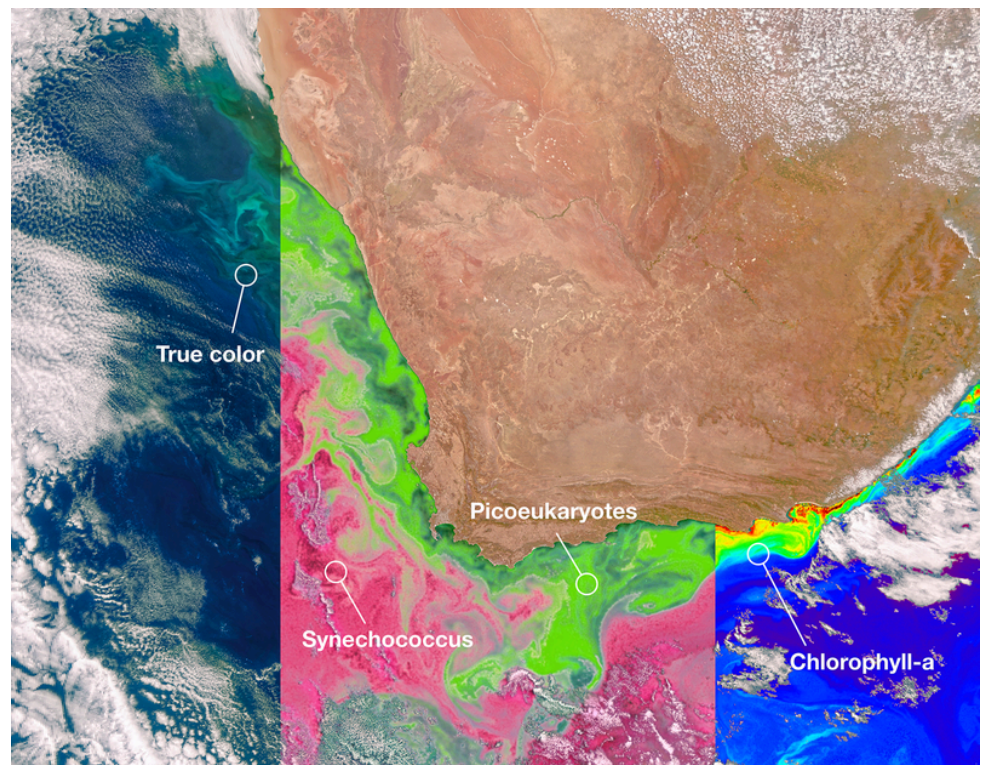
[More Information](#)

AGU Annual Meeting

December 09-13, 2024

Washington, D.C.

[More Information](#)



This first light image from the OCI instrument aboard PACE, captured on March 9, 2024, showcases ocean products near the southern tip of Africa. The true-color panel highlights bright plankton blooms, while the MOANA algorithm maps plankton diversity, distinguishing *Synechococcus* (pink) and picoeukaryotes (green). Additionally, a heritage chlorophyll-a product continues the legacy of ocean color observations, with the image free from sun glint and striping due to OCI's advanced design.

PACE ARSET

ARSET offered a three-session online training course introducing PACE on September 25, October 2, and October 9.

The course provided an overview of [PACE Hyperspectral Observations for Water Quality Monitoring](#).



ATBDs on APT

Several Algorithm Theoretical Basis Documents (ATBDs) have now been published on the APT platform:

- [Remote Sensing Reflectance](#)
- [Inherent Optical Properties](#)
- [Chlorophyll](#)
- [Spectral Diffuse Attenuation Coefficient](#)
- [Particulate Organic Carbon \(POC - Stramski et al. 2022\)](#)
- [Apparent Visible Wavelength](#)

NASA Openscapes

OB.DAAC users are encouraged to explore cloud computing with the Jupyter Hub on Openscapes Cloud Playground, using PACE data and other resources.

[Submit a request](#) for Openscapes 2i2c JupyterHub access.



Data and Software

Data Releases

April 2024: PACE Initial data release

July 2024: PACE First data reprocessing (V2)

July 2024: MODIS mini-reprocessing 2022.0.1

November 2024: MODIS mini-reprocessing 2022.0.2

Upcoming: PACE Second reprocessing (V3)

Cloud Migration Status

Migrated: HawkEye L1 and L2, MERIS L2

In Progress: SeaWiFS, MERIS L3

Next Up: OCTS, CZCS

Software Releases

May 2024: SeaDAS, version 9.0.1

October 2024: SeaDAS, version 9.1.0

Data Validation

In situ datasets used for PACE Validation are being archived and made available through the [SeaBASS website](#). The PACE Validation Science Team (PVST) projects are summarized on the [PACE website](#).

- [PACE data matchups](#)
- [PACE Validation Science Team \(PVST\) datasets](#)

The Help Hub

The Ocean Color website's Help Hub is a new resource developed to support users in learning about satellite data processing, including many tutorials specific to the new PACE mission. The Help Hub brings together top training resources, and additional materials are in development. We welcome your ideas—feel free to share them with us here: [Ocean Color Tutorials](#).



Work for a State, Tribal organization, or Territory?

Help NASA serve you better with Earth observation data.
Take a brief survey here:



<https://tinyurl.com/nasaeosurvey>

Open now until December 31, 2024



PACE Hackweek

From 4-8 August 2024, about 41 students participated in PACE's first hackweek at University of Maryland, Baltimore County (UMBC). This intensive coding event helped foster collaboration between scientists and developers, accelerating the creation of software and data products for PACE mission and emerging data sources. <https://pacehackweek.github.io/pace-2024/>

User Working Group

OB.DAAC has organized a User Working Group (UWG) since 2022.

The UWG is a team of experts, scientists, educators, and stakeholders from various institutions and organizations who work together to improve OB.DAAC's data products, services, and resources. Members bring diverse expertise in ocean biology, remote sensing, data science, and technology, allowing the group to address a wide range of user needs and scientific challenges.

The UWG meets regularly, including an annual in-person meeting, where members discuss OB.DAAC's current projects, upcoming missions, and evolving user requirements. These meetings provide an opportunity to review and offer input on new data products, tools, and services. Members also advise on user resources, data accessibility, and usability improvements. By collaborating with NASA's OB.DAAC team, the UWG plays an essential role in ensuring that OB.DAAC's data and services continue to support innovative research and education in ocean biology and climate science, enhancing the reach and impact of NASA's Earth science mission.



UWG Members: Top (l to r): Brice Barnes, Sasha Kramer, Robert Frouin, Jessie Turner, Brice Grunert, Rick Reynolds
Bottom (l to r): Guillaume Bourdin, Erin Hestir, Jason Graff, Xiaodong Zhang, Wesley Moses, Knut Stamnes