SeaDAS

SeaDAS: NASA Software for the Analysis of Earth-Viewing Satellite Data

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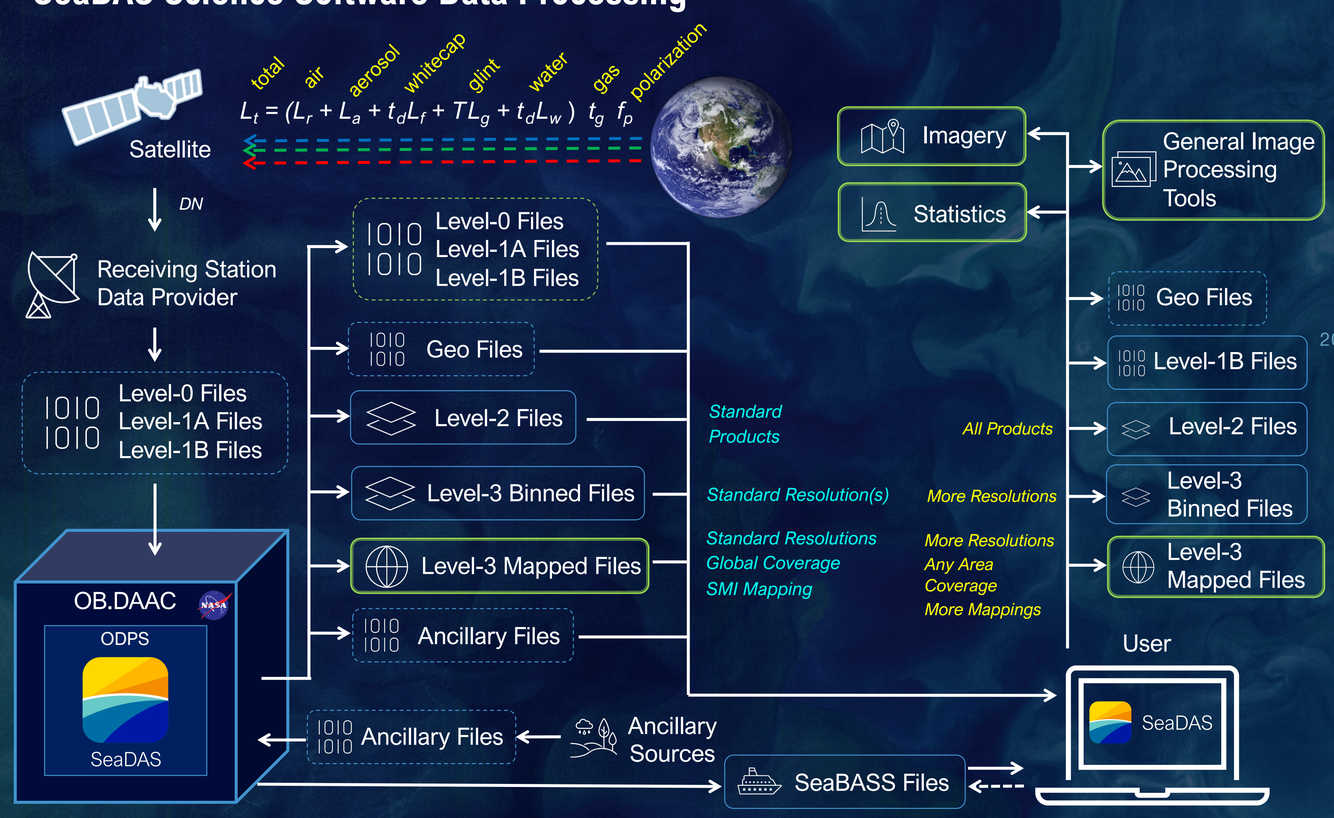
SeaDAS (Sea, Earth and Atmosphere Data Analysis System) is a comprehensive software package developed by NASA OBPG (Ocean Biology Processing Group) for the processing, visualization, analysis, and quality control of remote-sensing Earth data. The SeaDAS science processors OCSSW (Ocean Color Science Software) apply the OBPG algorithms to generate the level-2 and level-3 Earth science data for the NASA EOSDIS (Earth Observing System Data and Information System) OB.DAAC (Ocean Biology Distributed Active Archive Center).

SeaDAS fully supports over 20 U.S. and international satellite missions. When PACE launches, SeaDAS will support the PACE sensors: OCI, HARP2 and SPEXone. SeaDAS provides users the ability to conveniently view, analyze and process satellite data using OBPG default settings. Users can fine-tune any of the SeaDAS processing options to generate level-2 and level-3 files specific to their unique scientific analysis needs, requirements, and quality acceptance thresholds.

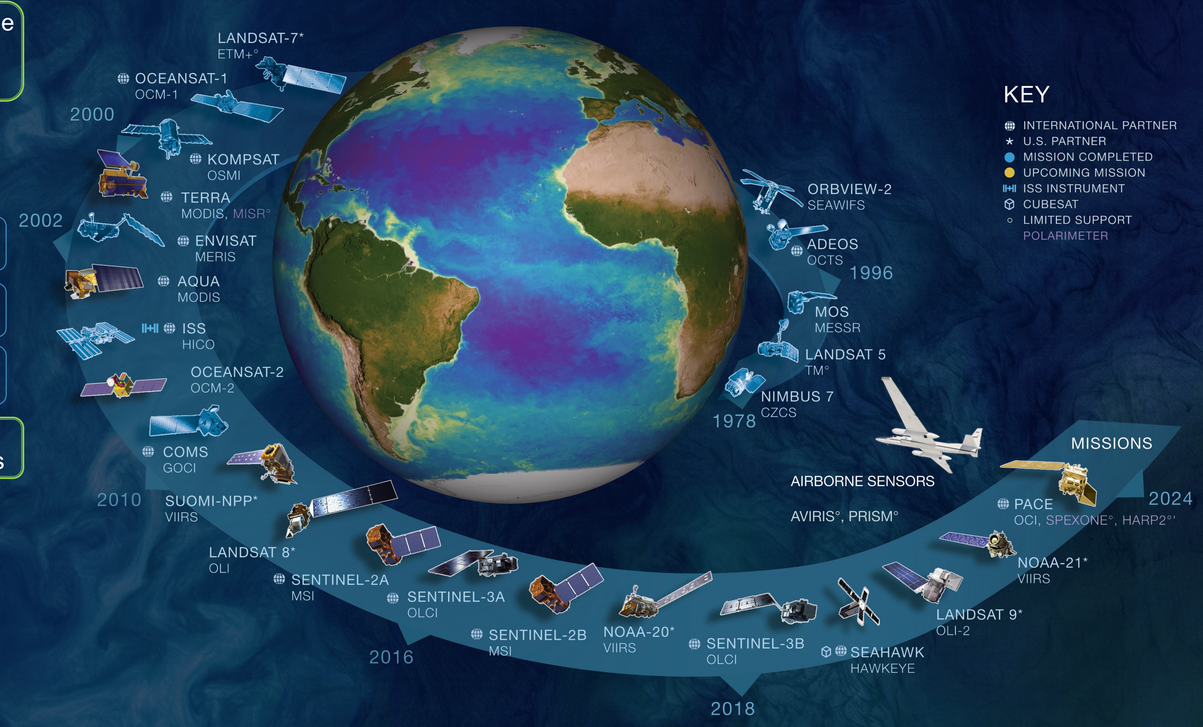
SeaDAS is free open-source software and can be downloaded from the NASA OB.DAAC.

SeaDAS Version: 8.4.1

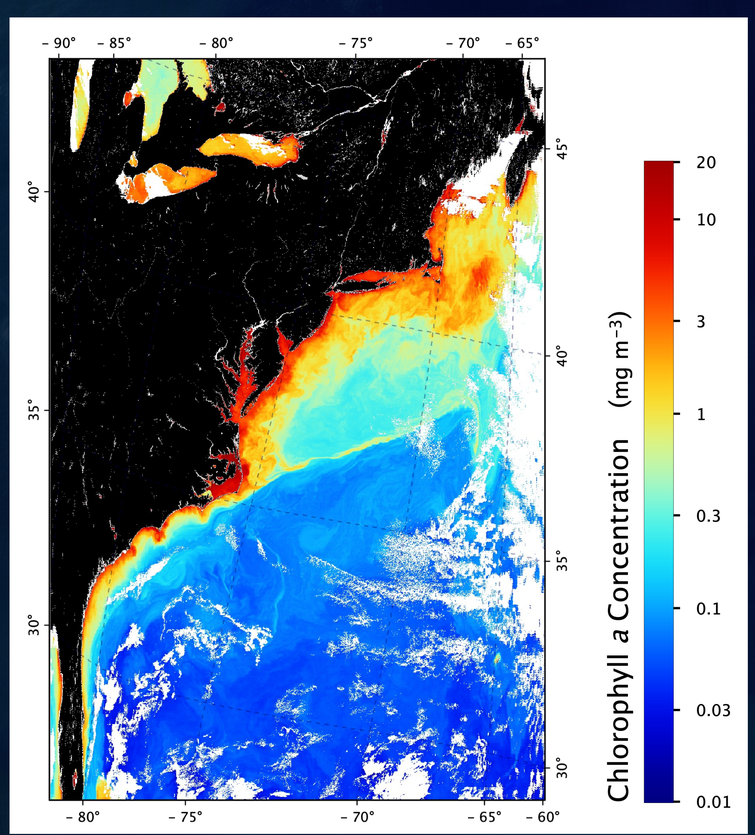
SeaDAS Science Software Data Processing



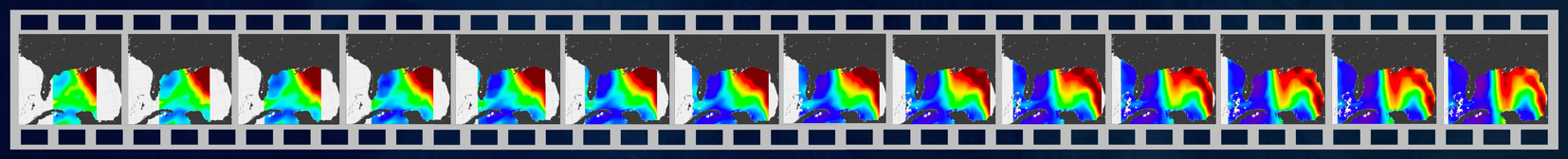
SeaDAS Supported Missions



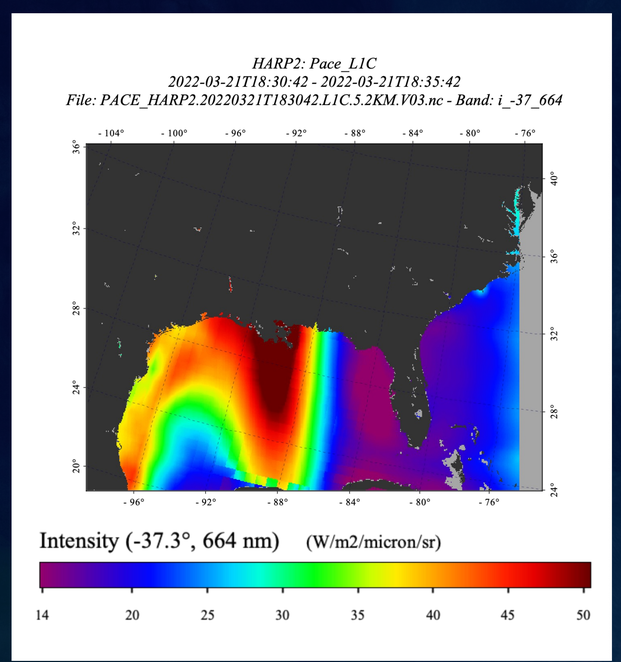
Product Specific Color Bar

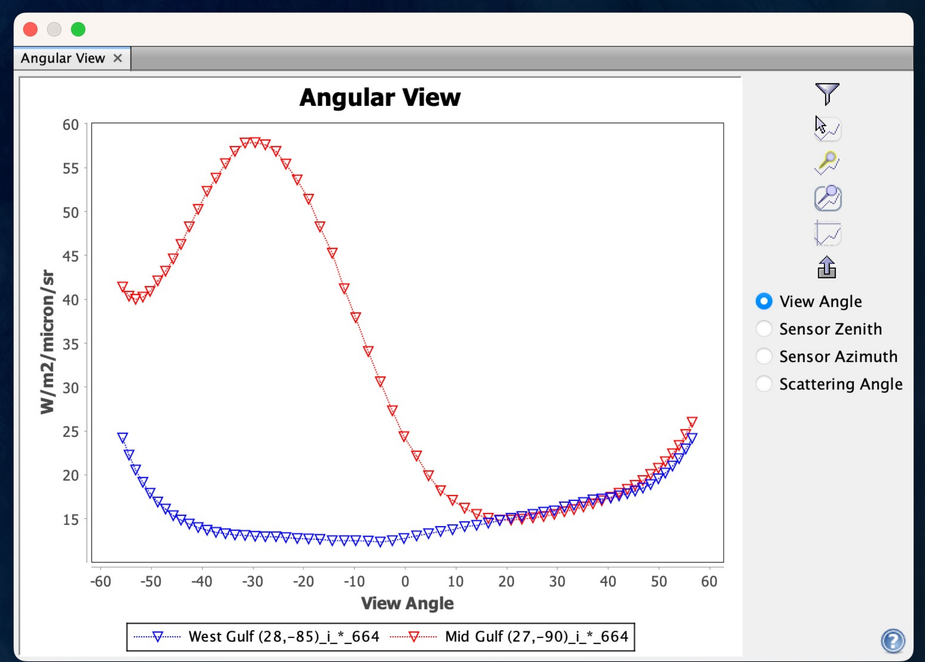


Angular View, Image Animation & Image Annotation Tools



Angular animation frames example





NASA Ocean Color Web
oceancolor.gsfc.nasa.gov

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seadas.gsfc.nasa.gov