

New Data Product DSCOVER: EPIC L2

Deep Space Climate Observatory ([DSCOVER](#)) project released the following products:



[Total O3, volcanic SO2, and aerosol index from EPIC ultraviolet measurements](#)

Determined from EPIC's ultraviolet (UV) measurements, the O3SO2AI product contains total vertical columns of O3 and SO2, surface reflectivity, and aerosol index (AI). The vertical SO2 columns are retrieved only when large volcanic clouds are detected in the EPIC field of view.

http://doi.org/10.5067/EPIC/DSCOVER/L2_O3SO2AI.001

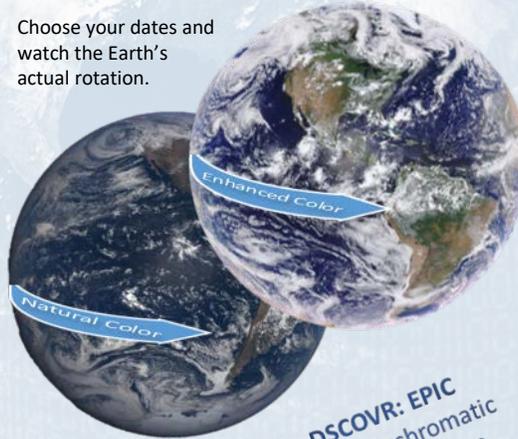
Recently Released

- [Aerosol UV Product](#)
http://doi.org/10.5067/EPIC/DSCOVER/L2_AER.001
- [Total Ozone Product](#)
http://doi.org/10.5067/EPIC/DSCOVER/L2_TO3.001
- [Sulfur Dioxide Product](#)
http://doi.org/10.5067/EPIC/DSCOVER/L2_SO2.001
- [CLOUD - Oxygen A&B-bands Product](#)
http://doi.org/10.5067/EPIC/DSCOVER/L2_CLOUD_01

Watch as your world turns!

The Earth Polychromatic Imaging Camera ([EPIC](#)) is an imager that provides global spectral images of the entire sunlit face of Earth, as viewed from an orbit around Lagrangian point 1 (L1) — the neutral gravity point between Earth and the sun.

Choose your dates and watch the Earth's actual rotation.

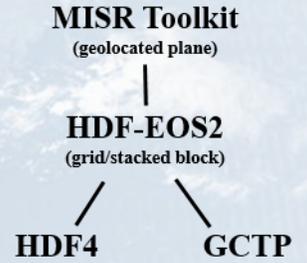


DSCOVER: EPIC Earth Polychromatic Imaging Camera

MISR Toolkit & MISR-View

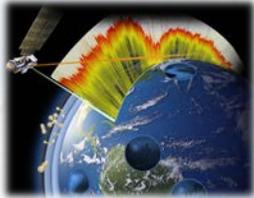
[MISR Toolkit \(MTK\)](#) is a simplified programming interface to access MISR L1B2, L2, conventional and ancillary data products.

Read more about the [MISR Toolkit here...](#)



[MISR-View](#) is a graphical user interface display and analysis tool for use with many types of MISR and AirMISR data.

Read more about [MISR-View here...](#)

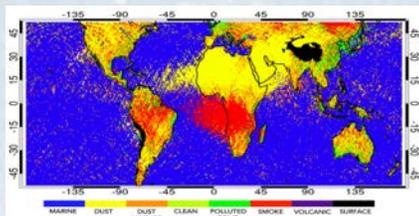


NASA's CATS & TES Conclude Successful Missions

In 2004 Tropospheric Emission Spectrometer ([TES](#)) began scanning the Earth on the Aura satellite every 16 days in 22° swaths in a sun-synchronous path. Though only tasked for 5 years, it far exceeded its goals being decommissioned January 31, 2018. A final full TES dataset (v008) will be generated from an algorithm update to the base Ground Data System software and will be made available to the scientific community in the next two years.

[Read more here...](#)

The Cloud-Aerosol Transport System ([CATS](#)) ceased science operations October 2017; however, the mission has been nothing but a complete success. Scheduled for 6 months on-orbit mission it operated for more than 200 billion laser pulses - an absolutely unprecedented achievement for a spaceborne lidar - and collected science data for over 33 months. Read about [CATS Operation Status](#) and the "[NASA's CATS Concludes Successful Mission on Space Station](#)" article.



Global Distribution of Aerosols

NASA's Prediction Of Worldwide Energy Resource (POWER) Project New Geospatial Data Portal

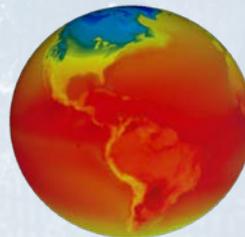
A new Prediction Of Worldwide Energy Resource ([POWER](#)) home page with enhanced responsive web data services and mapping capabilities will soon replace the current POWER home page. The new POWER will include improved solar and meteorological data with all parameters available on a 0.5-degree global grid.

Sneak Preview

A beta version of the new home page, featuring the updated parameters, schedule updates and FAQ, can be accessed at <https://power.larc.nasa.gov/new>

- Data Access Viewer: Responsive web mapping application providing data subsetting, charting, and visualization tools
- POWER API Integration: Access data holdings through your own custom scripts and scalable applications.
- ArcGIS Image Services: GIS-Ready Time-Enabled ArcGIS Image Services for mapping, visualization, and spatial analysis.

Please direct any questions to the POWER Project Team at power-projects@larc.nasa.gov.



Coming Soon

