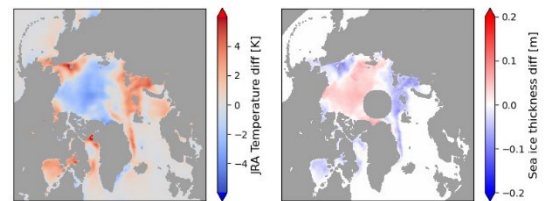


New reanalysis dataset impacts SMOS Level 3 and 4 sea ice thickness

19 February 2024

The Japanese 55-year Reanalysis (JRA55) is used as an auxiliary dataset for SMOS sea ice thickness retrieval for both Level 3 and Level 4 products.

On 24 January 2024, the JRA55 reanalysis dataset ended, and was replaced with the Japanese Reanalysis for Three Quarters of a Century (JRA-3Q) providing a high-quality homogeneous reanalysis dataset that covers the previous 75 years.



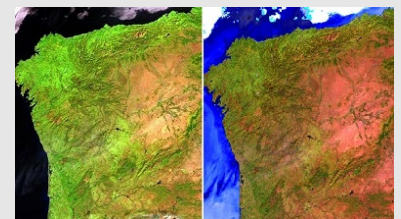
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LATEST DATA NEWS

Envisat AATSR 4th reprocessing data now available on new ESA Dissemination Server

15 February 2024

The latest reprocessed Envisat AATSR Level 1B Brightness Temperature/Radiance dataset [ENV_AT_1_RBT] has now been migrated from simple FTP-S access to the new ESA (A)ATSR Online Dissemination Service.



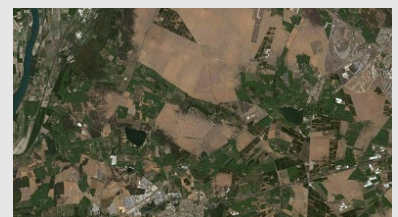
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Sample data products from ESA's Third Party Missions

13 February 2024

Samples of data products from a range of Third Party Missions are now available to download, offering a preview of what these missions provide.

ESA's Third Party Missions programme consists of over 50 satellite missions from commercial and public organisations worldwide



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Highlight on:

Celebrating ESA's first small satellite with science success

22 February 2024

Scientists and data users gathered at a special workshop to celebrate the end of PROBA-1's CHRIS sensor and discuss the results of this overachieving mission.

The Project for On-Board Autonomy, or PROBA-1, was ESA's first small satellite, originally launched in 2001, to prove technologies in space. Intended to last only two-years, the mission exceeded expectations by acquiring over 21 years of hyperspectral data.

As its primary instrument, CHRIS (Compact High Resolution Imaging Spectrometer), recently ended operations, ESA's PROBA-1 team gathered scientists and data users at a designated workshop to celebrate the journey of the mission and the impact of its long-term data series.



The workshop took place on 18 and 19 January, in Ghent, Belgium, starting with general presentations about the evolution of the mission, followed by many impactful data use stories. The future of CHRIS data was also discussed, with attendees hearing about the success of recent cross-calibration campaigns and plans for subsequent reprocessing of the CHRIS archive.

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Have data from ESA's various satellite missions benefited your work? Would you like to share the results from your research?

Contact us and we may be able to publish an article or conduct an interview related to your experience.

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UPCOMING EVENTS

 **General Assembly 2024**

14/04/2024

EGU General Assembly 2024
Early registration closes on 18 March

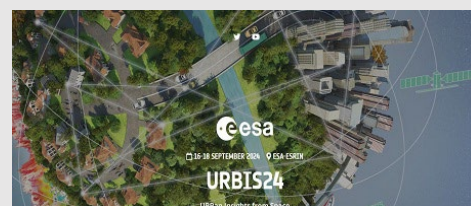
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03/09/2024

2024 European Polar Science Week
Abstract submission closes on 15 March

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16/09/2024

URBIS24 (URBan Insights from Space)
Abstract submission closes on 30 March

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Focus on: Data access

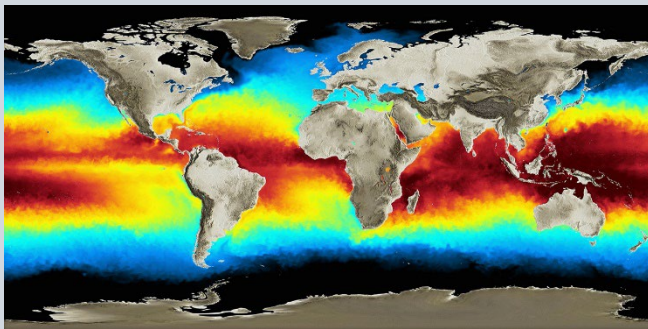
How to access ERS data

ESA's ERS-2 (European Remote Sensing) satellite returned to Earth this week, completing a natural reentry 12 years after mission operations ended in 2011.

Together with its predecessor, ERS-1, these pioneering satellites gathered a combined archive of Earth observations dating from 1991 to 2011.

The ERS satellites both carried a range of instruments that supported environmental monitoring of land, oceans, and atmosphere. These observations provided new insights into sea ice, geology, forestry, wave phenomena bathymetry, meteorology and many other fields.

Data products from the archive are still freely available to download, providing useful datasets for long-term studies that complement Envisat and Copernicus Sentinels data. Access to the collections are open to anyone with an account in ESA's EO Sign In service, or through submission of a short registration or request form.



Global sea surface temperature from ERS ATSR
Copyright: ESA



Artist's impression of ERS
Copyright: ESA

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