EARTH ONLINE
NEWSLETTER

15 December 2023

CryoSat land ice data track destabilisation of Antarctic glacier

05 December 2023

Cryo-TEMPO data, based on CryoSat's unbroken 13+ year record of land ice, were used to compute the thinning of the Cadman glacier's ice shelf between 2010 and 2019 which was caused by warming seas.

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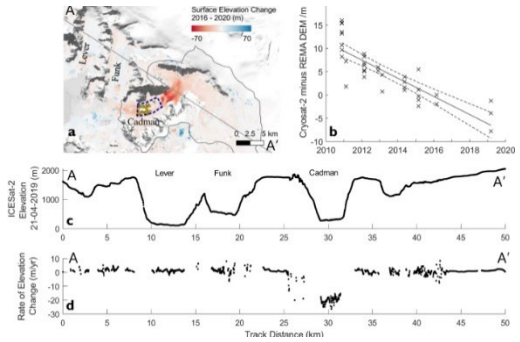

Discover Earth like never before: the HEDAVI tool

04 December 2023

The Heritage Data Visualisation tool, or HEDAVI, enables the analysis of global spatio-temporal dynamics of natural and artificial environments, covering over 40 years of ESA Earth Observation Heritage data, Third Party Missions and some Copernicus data.

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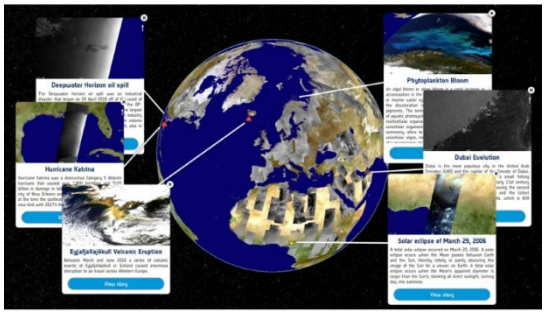

LATEST DATA NEWS

MOS-1/1B MESSR and VTIR data products now available

05 December 2023

Following the MOS Bulk Processing Campaign, MOS-1/1B MESSR (Multi-spectral Electronic Self-Scanning Radiometer) and VTIR (Visible and Thermal Infrared Radiometer) level 1 data products are now available via the ESA Online Dissemination Service.

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Additional Swarm Langmuir Probe Ion Drift, Density and Effective Mass dataset 0201 available for Swarm

11 December 2023

Additional Swarm Langmuir probe Ion Drift, density and effective Mass (SLIDEM) dataset at 2 Hz cadence, baseline 0201, is now available on the Swarm dissemination server for all the Swarm satellites

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Highlight on:

How to use space data to probe humankind's ancient past

07 December 2023

Data disseminated by ESA's Third Party Missions (TPM) programme are enabling archaeological investigations that could help to unravel the mysteries of past societies and cultures.

In recent decades, remote sensing has emerged as a crucial asset for the field of archaeology, resulting in many new findings and improving understanding of previously discovered historic sites.

The orbital perspective of Earth observing satellites allows researchers to identify, monitor and analyse areas of interest all around the world, all while minimising the impact on the fragile relics they contain.

High resolution optical imagery and radar observations delivered by commercial missions have huge potential for such applications, but these data are often locked behind a paywall, which can limit their use in research. Through its TPM programme, ESA addresses this challenge by disseminating data from privately owned missions on a free basis for research and development purposes.

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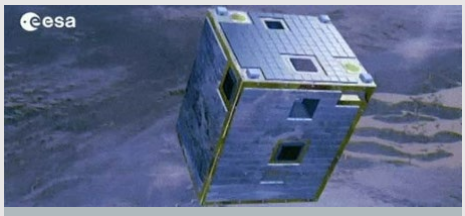
Have data from ESA's various satellite missions benefited your work? Would you like to share the results from your research?

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

CONTACT US

UPCOMING EVENTS



18/01/2024

PROBA-1 CHRIS End of Mission Workshop
Registration closes on 9 January

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08/04/2024

Swarm 10 years Anniversary and Science Conference
Abstract submission deadline on 7 January

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14/04/2024

EGU General Assembly 2024
Call for abstracts is now open

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Focus on: Data access

How to access MOS-1 data

Three data collections from JAXA's MOS-1/1B mission were recently released, as mentioned earlier in this issue.

The collections are made available through ESA's Heritage Space Programme, which preserves data from non-operational missions, aims to improve upon the data, and align them with products released by more recent missions.

JAXA's MOS (Marine Observation Satellite) constellation consisted Japan's first marine observation satellites, launched in 1987 and 1990.

Operating until 1995 and 1996, the MOS-1 and MOS-1B satellites monitored ocean currents, sea surface temperature, atmospheric water vapour, ocean chlorophyll levels, precipitation, and land vegetation.

Products from the satellite's MESSR (Multi-spectral Electronic Self-Scanning Radiometer) and VTIR (Visible and Thermal Infrared Radiometer) instruments are freely available for download to anyone with an account in ESA's EO Sign In service.

MOS-1 image. Copyright: JAXA

MOS-1 image. Copyright: JAXA

VIEW COLLECTIONS

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CryoSat SIRAL Daily NOP Ocean Report
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SMOS Weekly Report
Published on 27/11/2023
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Swarm Weekly L1B Report
Published on 16/10/2023
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