Aeolus data and lessons learned: what happens next for ESA’s wind mission?

2 November 2023

The Aeolus satellite returned to Earth on 28 July 2023, in an assisted reentry that marked the end of nearly five years in space. For scientists working with Aeolus data, however, the mission lives on. Over the next five years, data reprocessing and analysis will continue to improve weather and climate models, paving the way for future space lidars.

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Supporting New Space and VHR data at 2023 workshop

20 October 2023

As European New Space providers continue to bolster the global offering of Very High Resolution (VHR) data, commercial providers are set to meet with space agencies and the scientific community, to discuss data quality, calibration and validation, at VHRODA 2023.

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LATEST DATA NEWS

Swarm FAST data ready to be released

30 October 2023

We are pleased to announce that the development of FAST data (“NRT”) parallel chain has been recently completed and the Transfer-To-Operation (TTO) of the first FAST processor will be performed on 2 November 2023.

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Highlight on:

Monitoring the health of wheat crops from space
26 October 2023

Research published in Nature Scientific Reports has highlighted the huge potential of very high resolution space data to improve the detection of a plant disease that impacts a major global cereal crop.

The authors hope the study will be the first step to developing a satellite-enabled early warning system for crop health that operates over regional and even national scales.

Led by the International Maize and Wheat Improvement Center (CIMMYT) at its site in Ethiopia, the research drew on imagery from the SkySat and Pléiades constellations, which were delivered via ESA’s Third Party Missions programme. These data were used alongside observations from uncrewed drones.

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.

UPCOMING EVENTS

13/11/2023
EarthCARE pre-launch Science and Validation Workshop
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27/11/2023
VH-RODA 2023 Workshop
Registration deadline is 13 November
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10/01/2024
PROBA-1 CHRIS End of Mission Workshop
Abstract submission deadline is 13 November
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08/04/2024
Swarm 10 years Anniversary and Science Conference
Abstract submission deadline is 7 January
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Focus on: Data access

How to access PAZ data

The PAZ mission is owned by Hisdesat, and was launched in 2018. It consists of a single satellite carrying an X-band SAR instrument. The satellite is capable of covering all of Earth with an average revisit time of 24 hours.

PAZ was created to serve both civilian and defence requirements, supporting civil applications including monitoring of natural resources, the environment, land surface, urban environments, and natural disasters.

The mission is part of ESA’s Third Party Missions programme, in which ESA has an agreement to promote the free availability of PAZ data products.