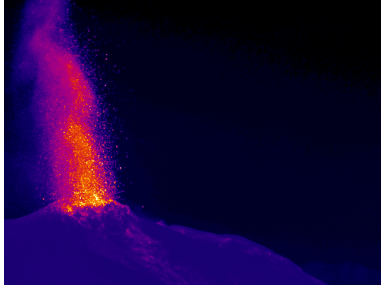


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On the cover



Forward Looking

The cover image, captured using a high-performance FLIR A655sc camera, shows a thermal snapshot of an explosion at Stromboli's crater terrace (Italy), captured on October 22, 2023. This high-resolution image captures the moment of peak thermal emission. The sharp contrast between incandescent pyroclasts and the surrounding plume reveals the complex distribution of volcanic bombs, ash, and gas. The colour palette represents apparent temperatures, where high intensities (yellow/white) highlight the particle-rich core of the explosion. In this issue, Elisabetta Del Bello and co-authors investigate the feasibility of retrieving SO₂ masses across various explosion styles using two independent techniques: thermal infrared (TIR) and UV. Read more on [page 583](#).

Image credit: Elisabetta Del Bello and Piergiorgio Scarlato, using a camera property of the INGV High-Pressure, High-Temperature Laboratory of Experimental Volcanology and Geophysics. Cover design ©Volcanica [2025] Distributed under the terms of the [Creative Commons Attribution 4.0 International License](#).

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