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On the cover



Flash bang

In this image captured from the International Space Station, a vast volcanic plume punches through the clouds during the June 2019 eruption of Raikoke, in the Kuril Islands. In this issue, Cassandra Smith and colleagues analyse the volcanic lightning generated during this eruption, exploring how lightning metrics could be used to monitor ongoing eruptions in near real-time.

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Image credit: Astronaut photograph [ISS059-E-119250](#), acquired on June 22, 2019, with a Nikon D5 digital camera and is provided by the ISS Crew Earth Observations Facility and the Earth Science and Remote Sensing Unit, Johnson Space Center. The image was taken by a member of the Expedition 59 crew. The image has been cropped and enhanced to improve contrast, and lens artifacts have been removed. Cover design ©Volcanica [2022] Distributed under the terms of the [Creative Commons Attribution 4.0 International License](#).

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