

Stunning view from orbit: Dramatic volcanoes at dawn

January 7 2013, by Nancy Atkinson



Volcanoes of Kamchatka, Russia at dawn, as seen from the International Space Station. Credit: NASA/CSA/Chris Hadfield

A stunning view from orbit! Astronaut Chris Hadfield captured this shot of the [volcanoes of Kamchatka](#) in Russia. "Volcanoes look dramatic at dawn," [Hadfield said via Twitter](#). "They startled me when I spotted them through the lens."

Note the huge shadows created by the Sun, which is low on the horizon at dawn.

These are just a few of the 160 volcanoes on the [Kamchatka Peninsula](#) in the far eastern part of Russia. 29 of the 160 are active. Thanks to [Peter Caltner](#) on Twitter who identified the volcanoes seen here: Tolbachik (at left, in clouds and smoke plume, active presently); Ushkovsky (in the back, right); Kliuchevskoi (right edge, the peak in front). Little ones in the foreground: Udina (left) and Zimina (right).

These jagged peaks are obviously an eye-catching landmark from orbit, as they have been a target of observations before—by [Yuri Malenchenko in November of 2012](#) and by [Clay Anderson in December of 2011](#).

Source: [Universe Today](#)

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