

Veniaminof emits a large SO₂ plume, Alaska

Sentinel-2 MSI acquired on 15 October 2020

Sentinel-1 CSAR IW acquired on 25 February 2021

Sentinel-5P TROPOMI acquired on 04 March 2021 at 22:00 & 23:30 UTC

Sentinel-1 CSAR IW acquired on 07 March 2021

Sentinel-1 CSAR IW acquired on 09 March 2021

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Fig. 1 - S1 (07.03.2021) - Mount Veniaminof lies in the Alaskan Peninsula

[3D View](#)

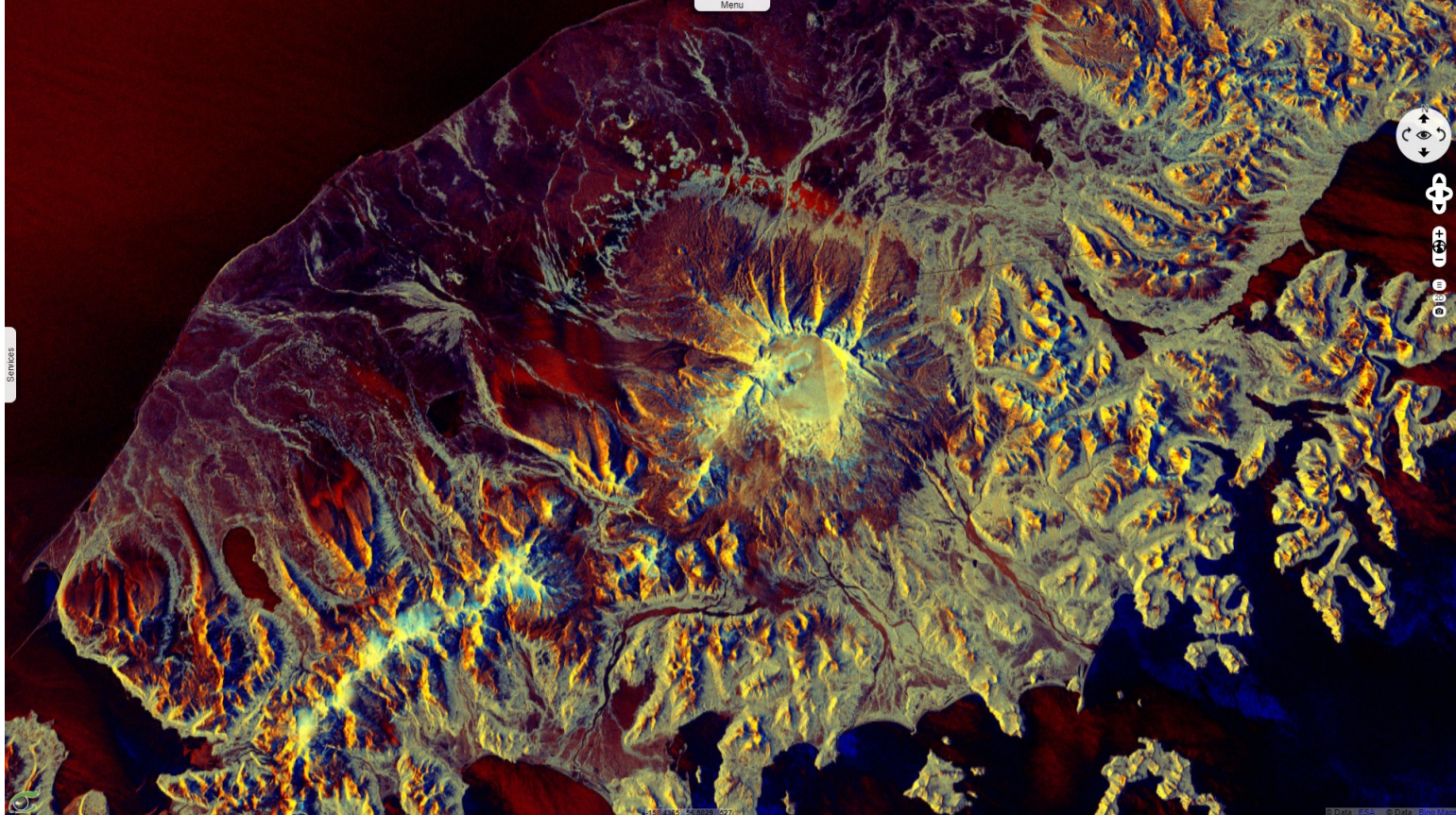


Fig. 2 - S2 (15.10.2020) - This 2507m volcano is topped by a small cinder cone after a colossal eruption left a large caldera.

[3D View](#)

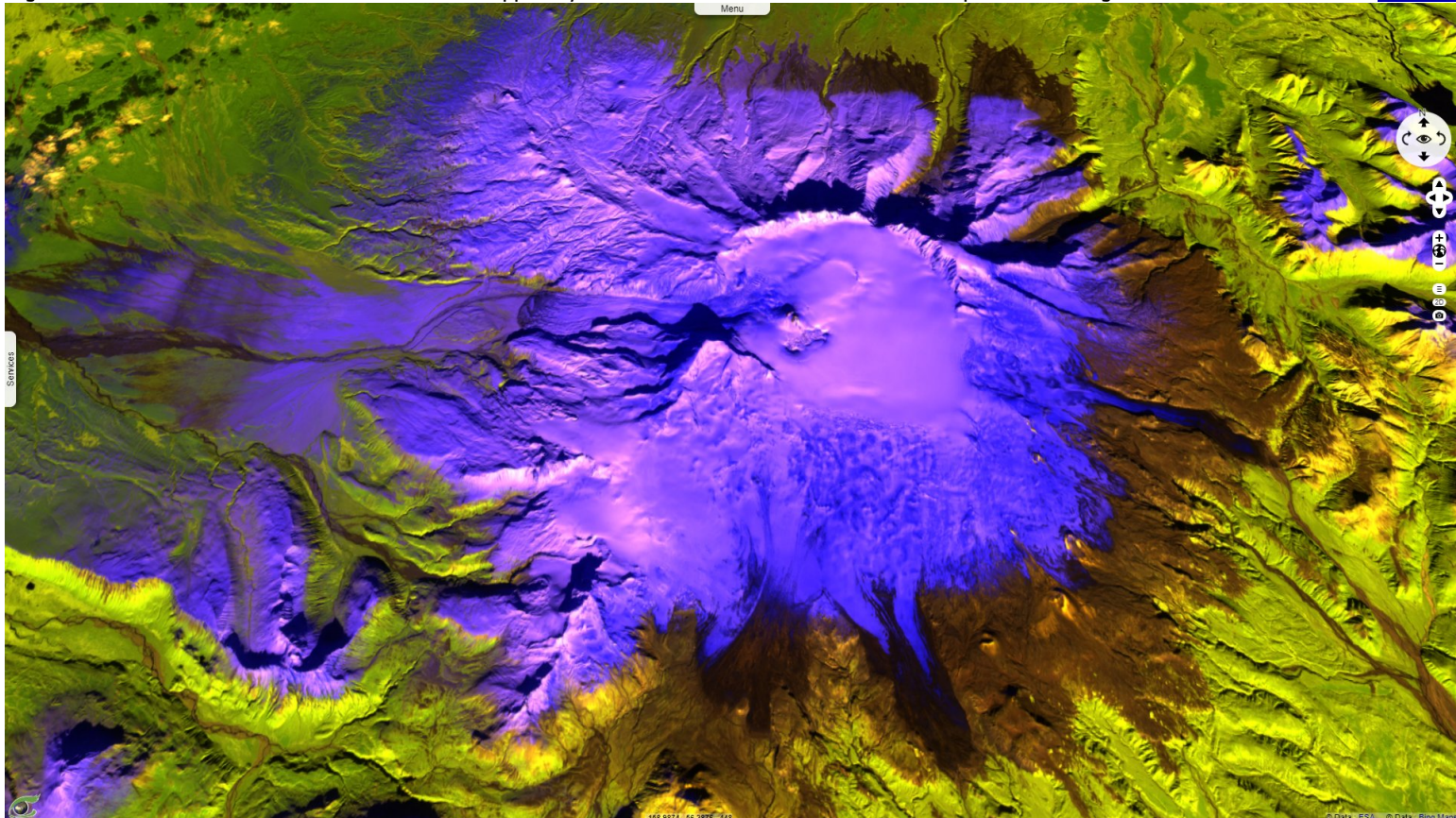


Fig. 3 - S5P TROPOMI (04.03.2021 22:00) - SO₂ total column - It has erupted in early March, releasing a large plume of SO₂.

[3D View](#)

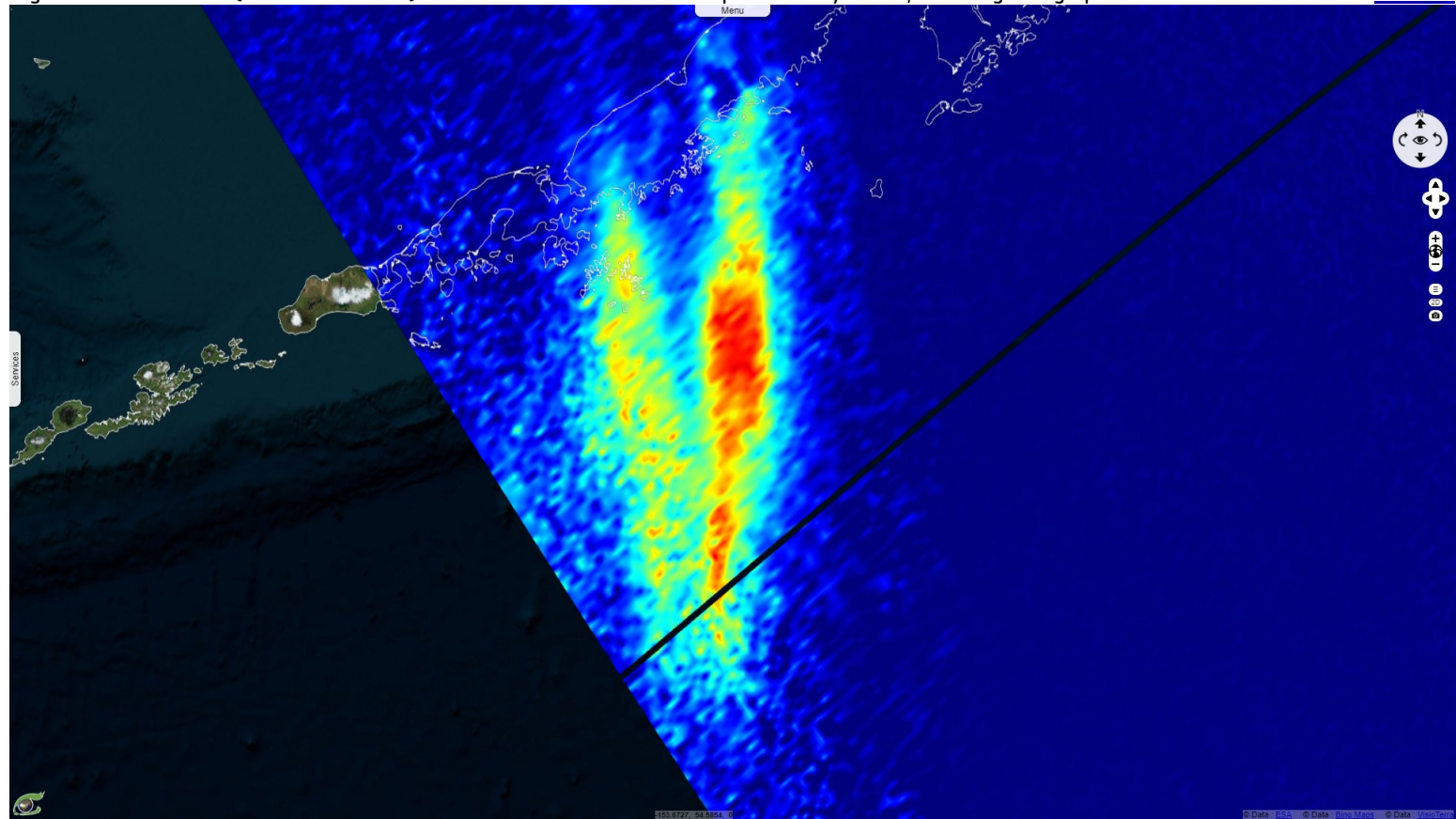


Fig. 4 - 04.03.2021 23:30 - Strong winds moved it quickly at south-east as show this acquisition on the next orbit.

[3D View](#)

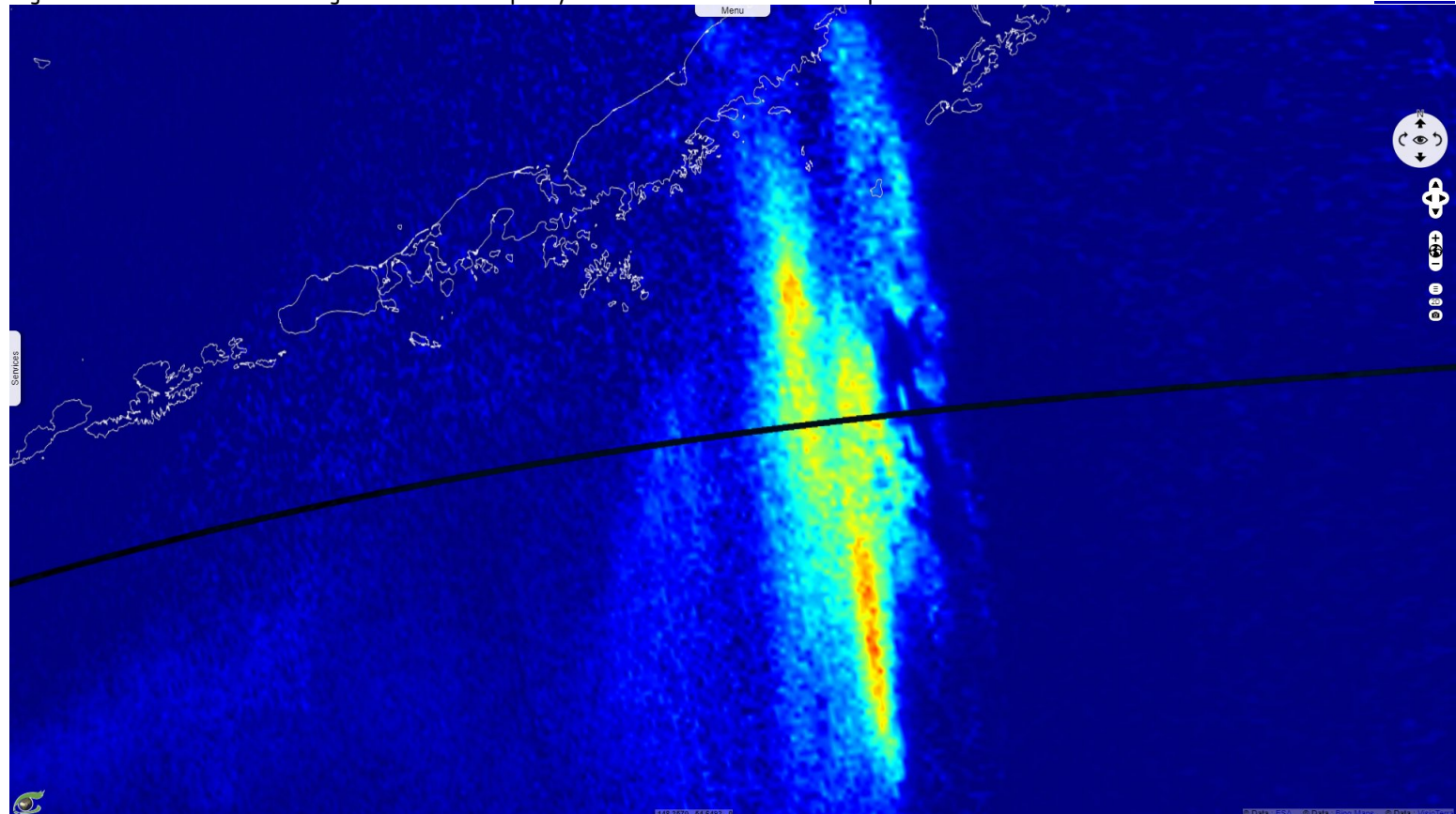


Fig. 5 - S1 (25.02.2021) - Summit of Mount Veniaminof before the eruption

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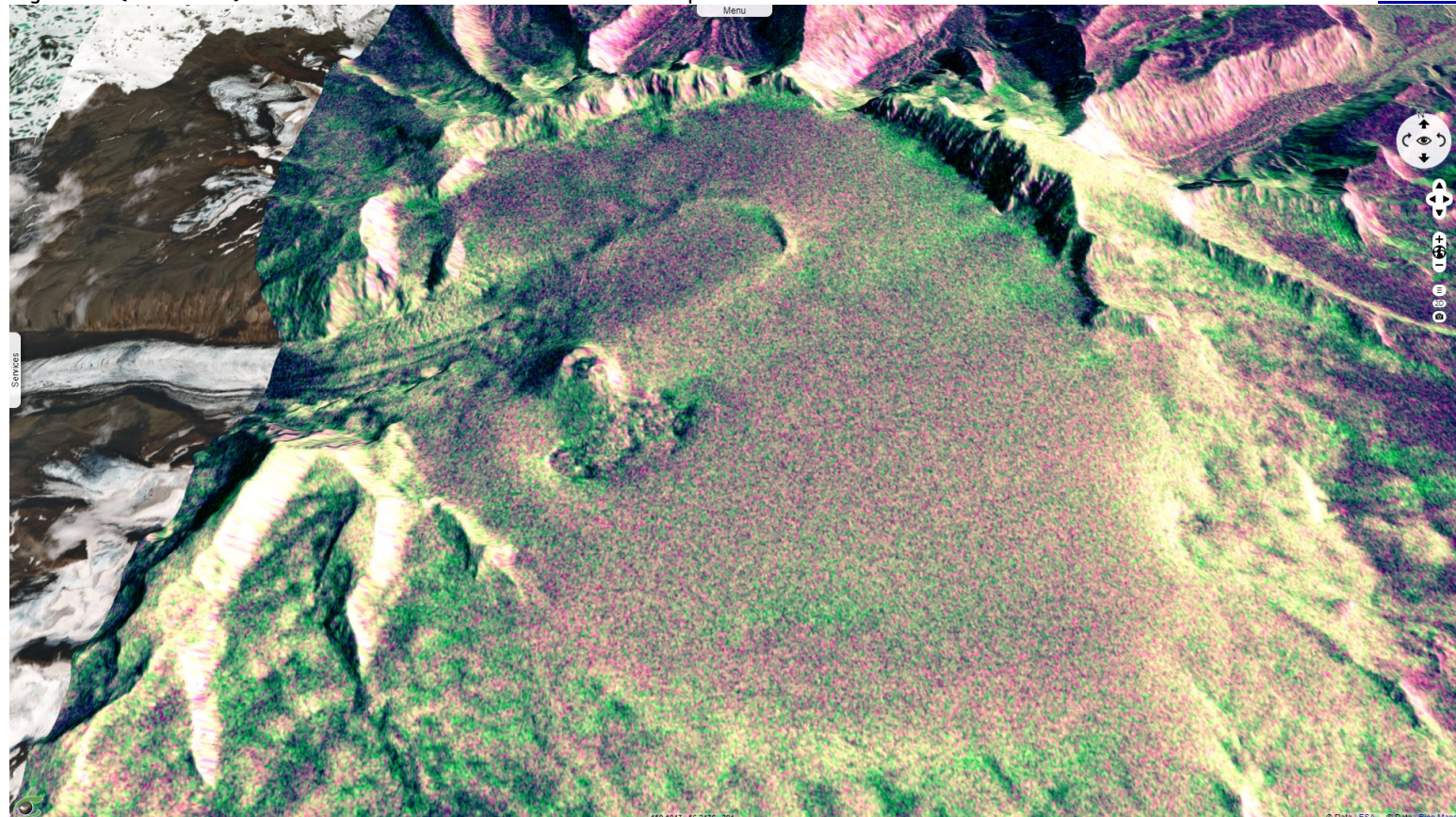
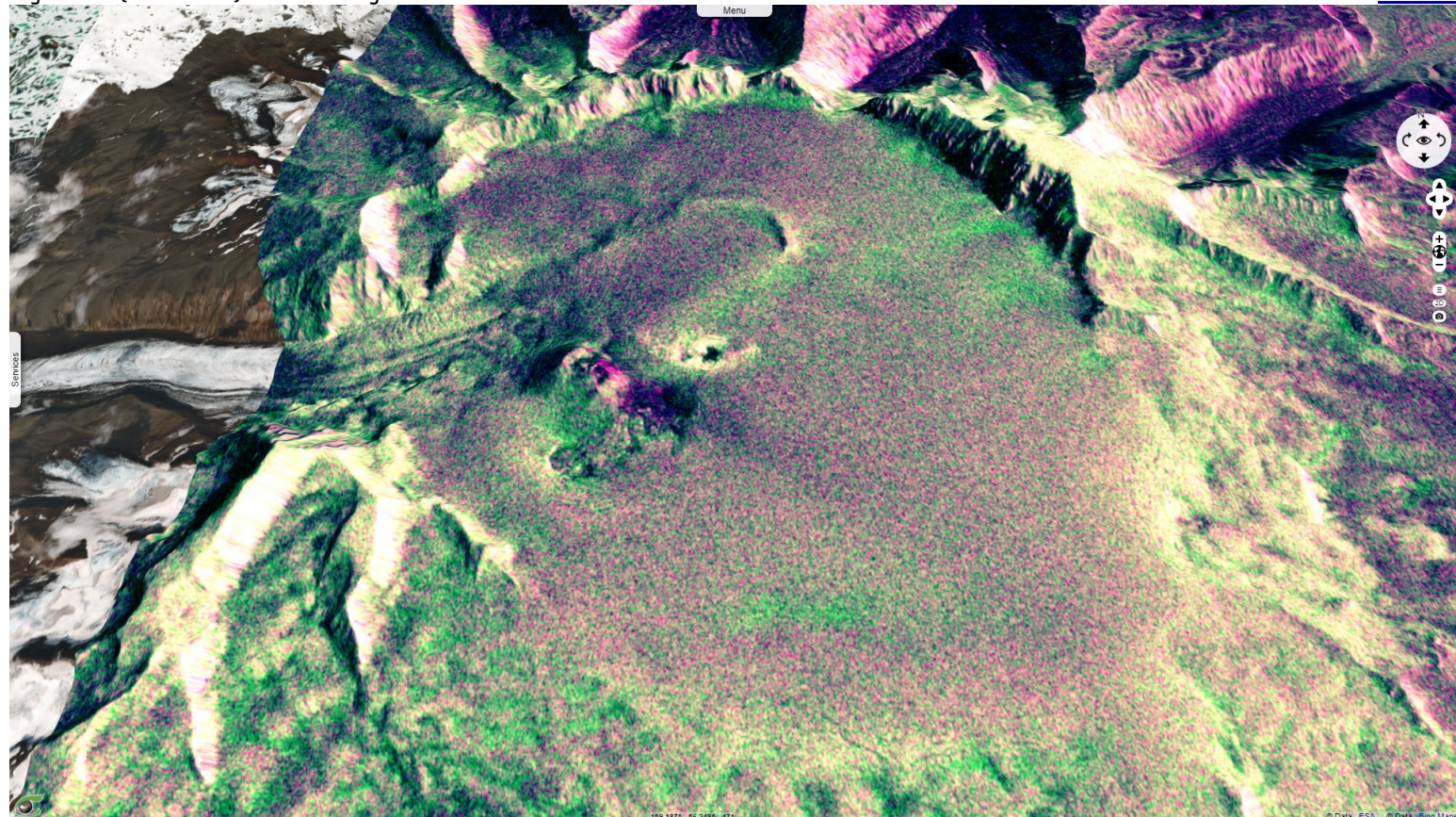














Fig. 6 - S1 (09.03.2021) - Some change is visible east and north-east of the cinder cone

[3D View](#)



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