

Decade Volcano Taal wakes up in the Philippines

Sentinel-1 CSAR IW acquired on 23 March 2022 at 21:47:04 UTC
Sentinel-3 OLCI FR acquired on 25 March 2022 at 01:49:48 UTC
Sentinel-5P TROPOMI SO2 acquired on 31 March 2022 at 05:40:15 UTC
Sentinel-1 CSAR IW acquired on 04 April 2022 at 21:47:04 UTC

Author(s): Sentinel Vision team, VisioTerra, France - svp@visioterra.fr

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[2D Layerstack](#)

Fig. 1 - S5P TROPOMI (31.03.2022) - On 31 March, Taal volcano emitted 7856 tons of sulfur dioxide according to estimations.

[2D view](#)

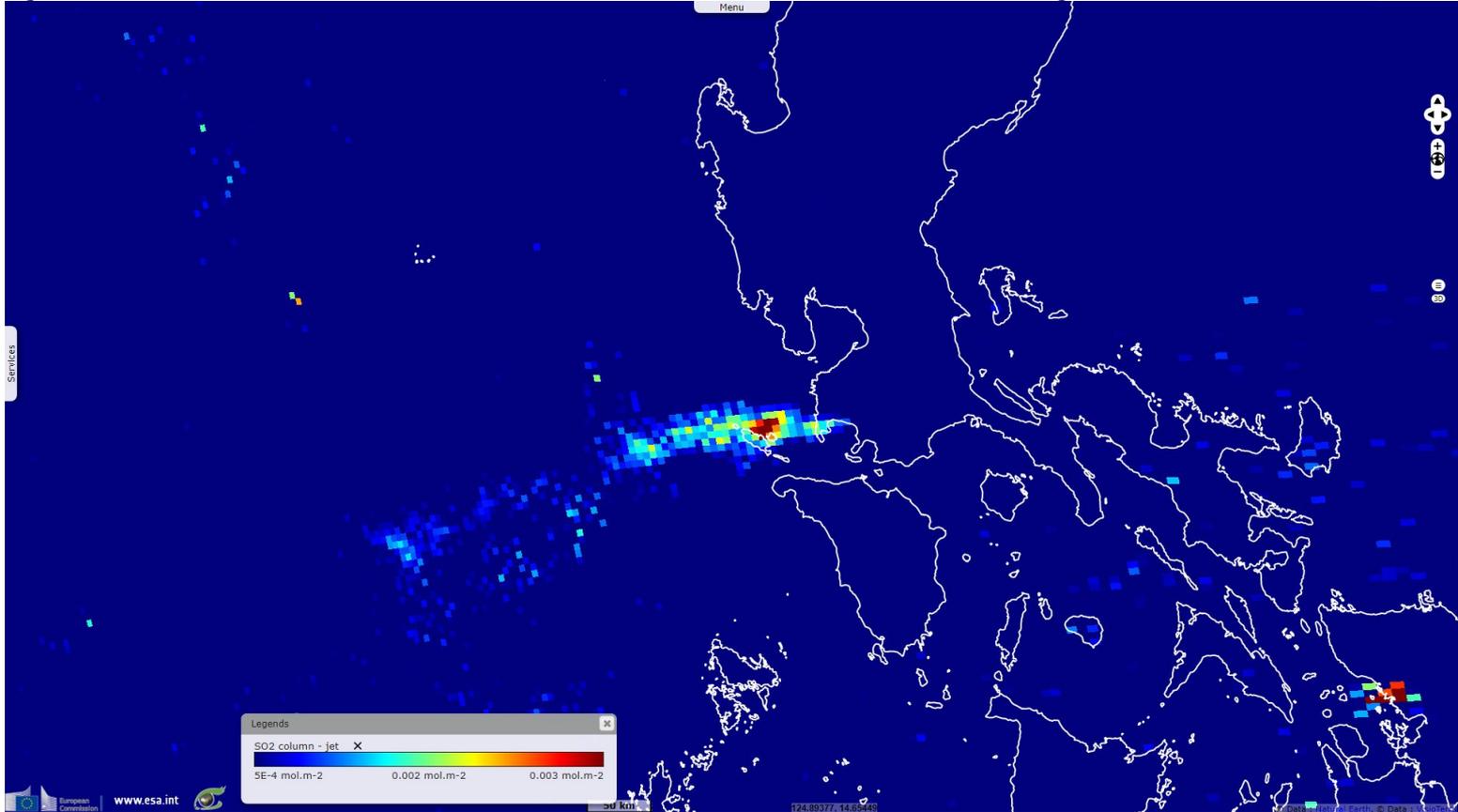
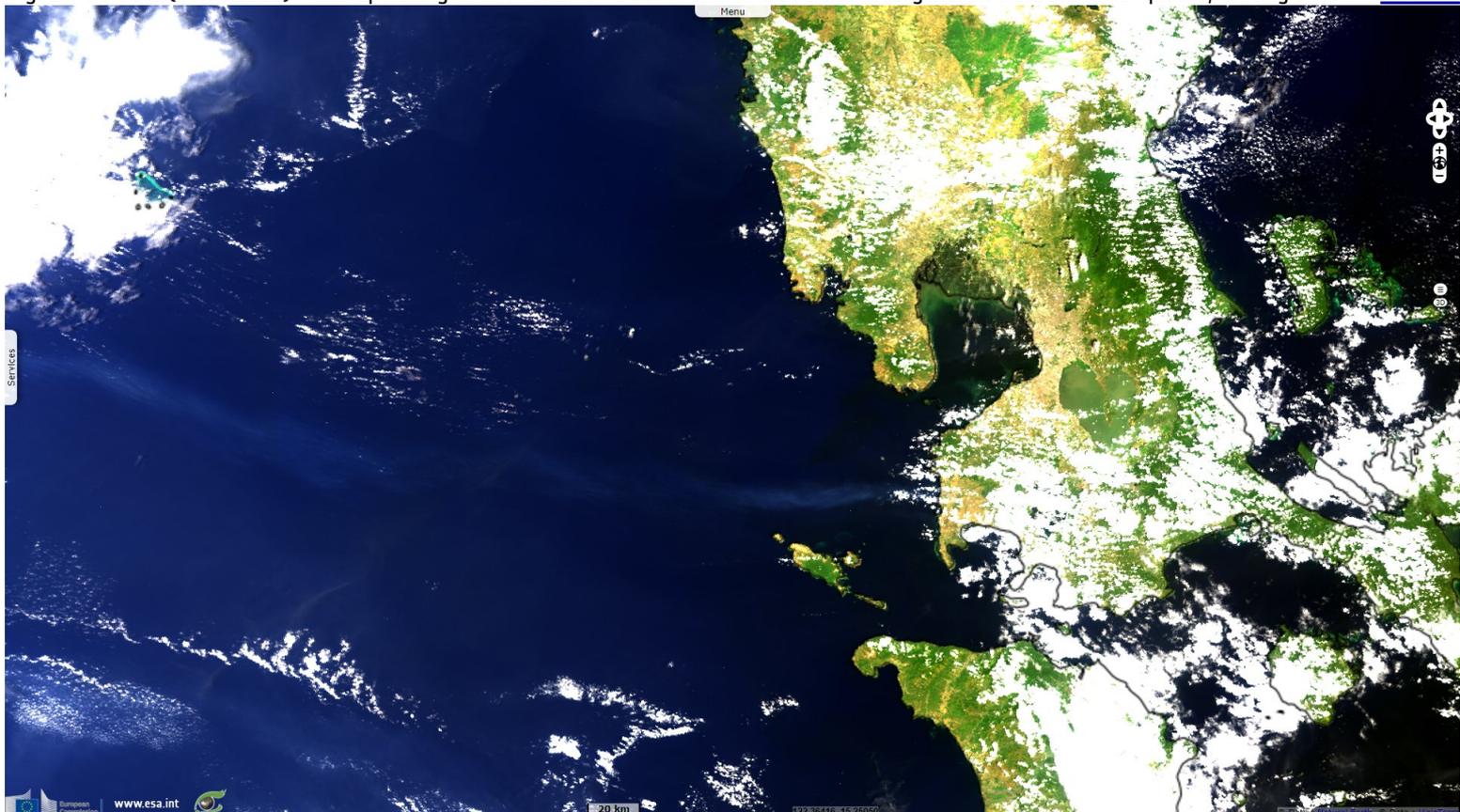


Fig. 2 - S3 OLCI (25.03.2022) - The upwelling of hot volcanic fluids from the main crater lake generated a 2000 m tall plume, drifting SW.

[2D view](#)



Taal volcano, in the Philippines, is said to be one of the lowest in the world; its crater lake lies just two metres above sea level

Fig. 3 - S1 (27.02.2022->23.03.2022) - View of the volcano before the eruption, its layered volcanic tuff had a low cross-pol backscattering. [3D view](#)

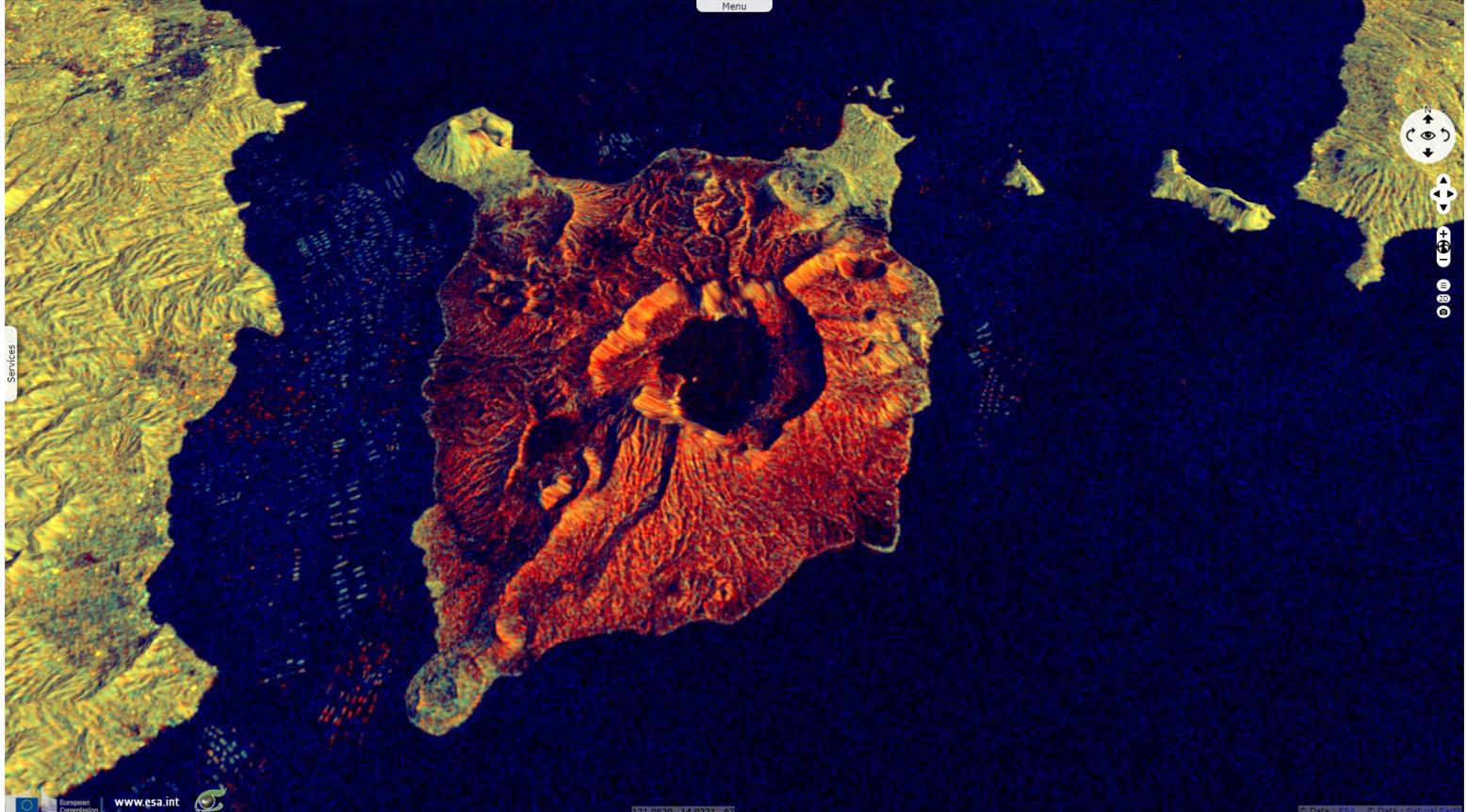
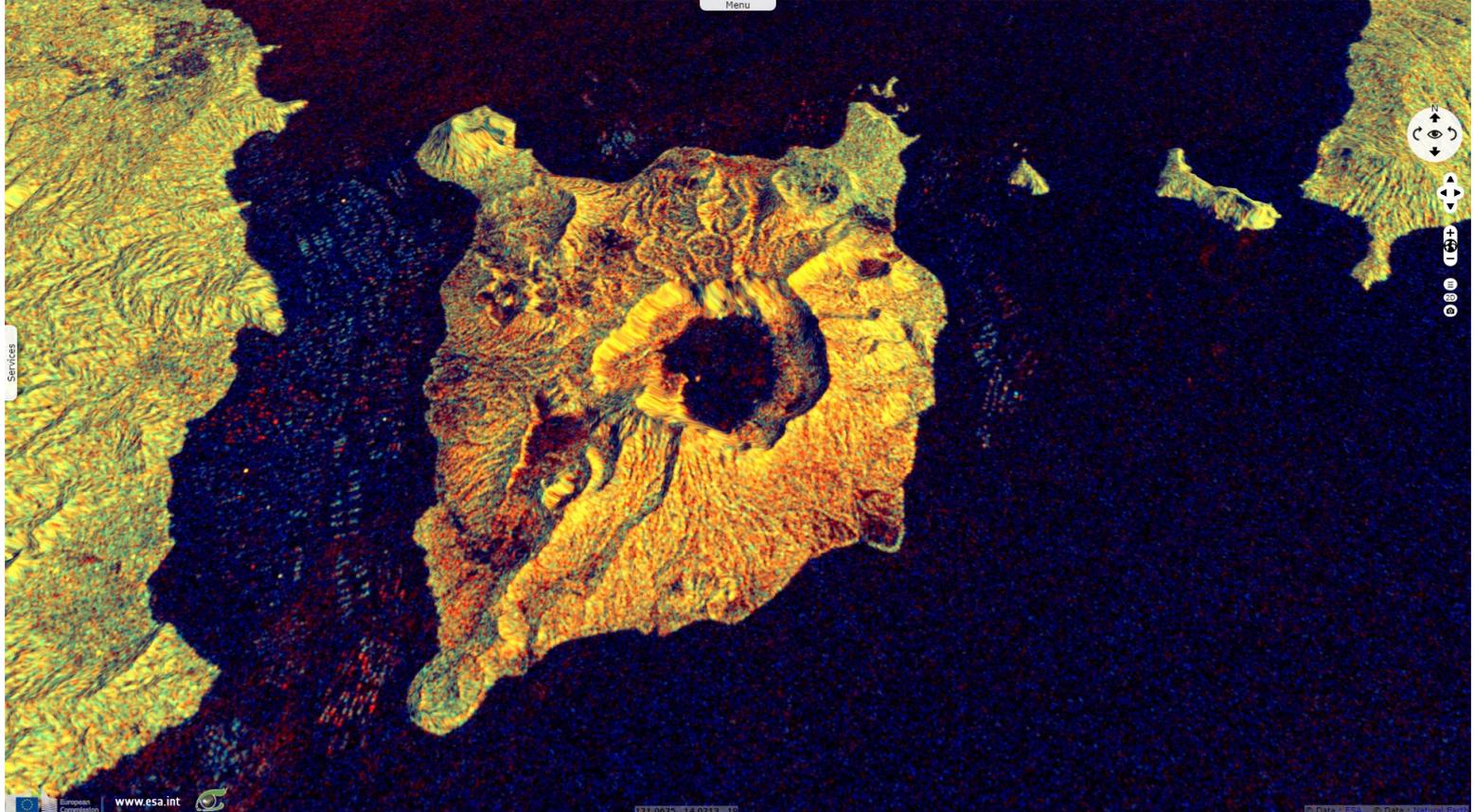


Fig. 4 - S1 (04.04.2022) - Bigger ejecta have covered the surface of Taal volcano, increasing its backscattering in VV but even more in VH. [3D view](#)



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