

Submarine eruption, Metis Shoal, Tonga archipelago

Sentinel-1 CSAR IW acquired on 17 October 2019 at 06:06:53 UTC
Sentinel-2 MSI acquired from 15 September 2019 to 15 October 2019

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Keyword(s): Submarine eruption, volcano, island, bathymetry, Tonga

[2D Layerstack](#)

Fig. 1 - S2 (05.10.2019) - 4,3,2 natural - Metis Shoal before the submarine eruption.

[2D view](#)

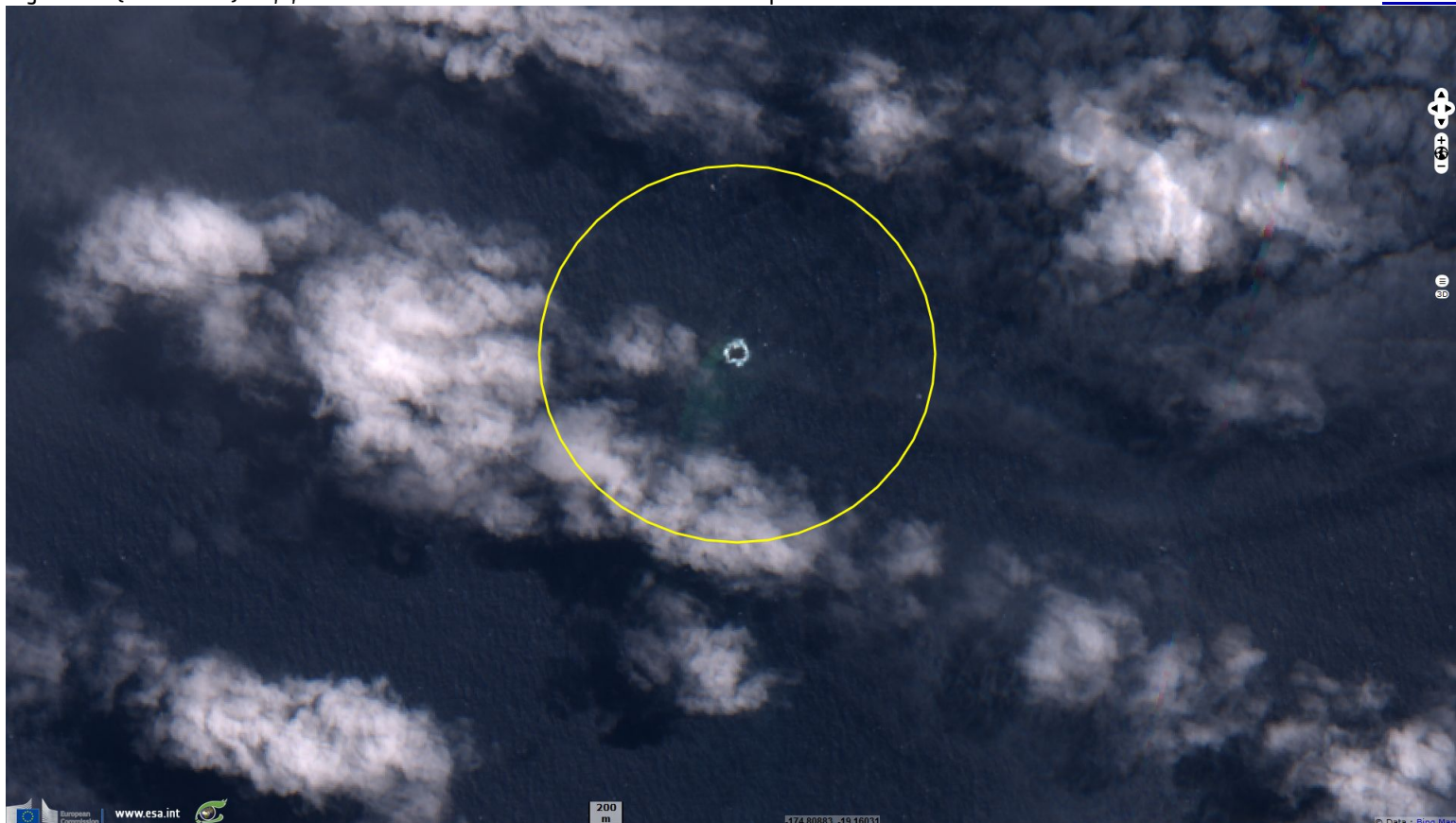


Fig. 2 - S2 (15.10.2019) - 4,3,2 natural - Metis Shoal during the submarine eruption.

[2D view](#) [2D animation](#)



Fig. 3 - S1 (17.10.2019) - vv,vh,ndi(vh,vv) - Metis Shoal seen by Sentinel-1A.

[2D view](#)

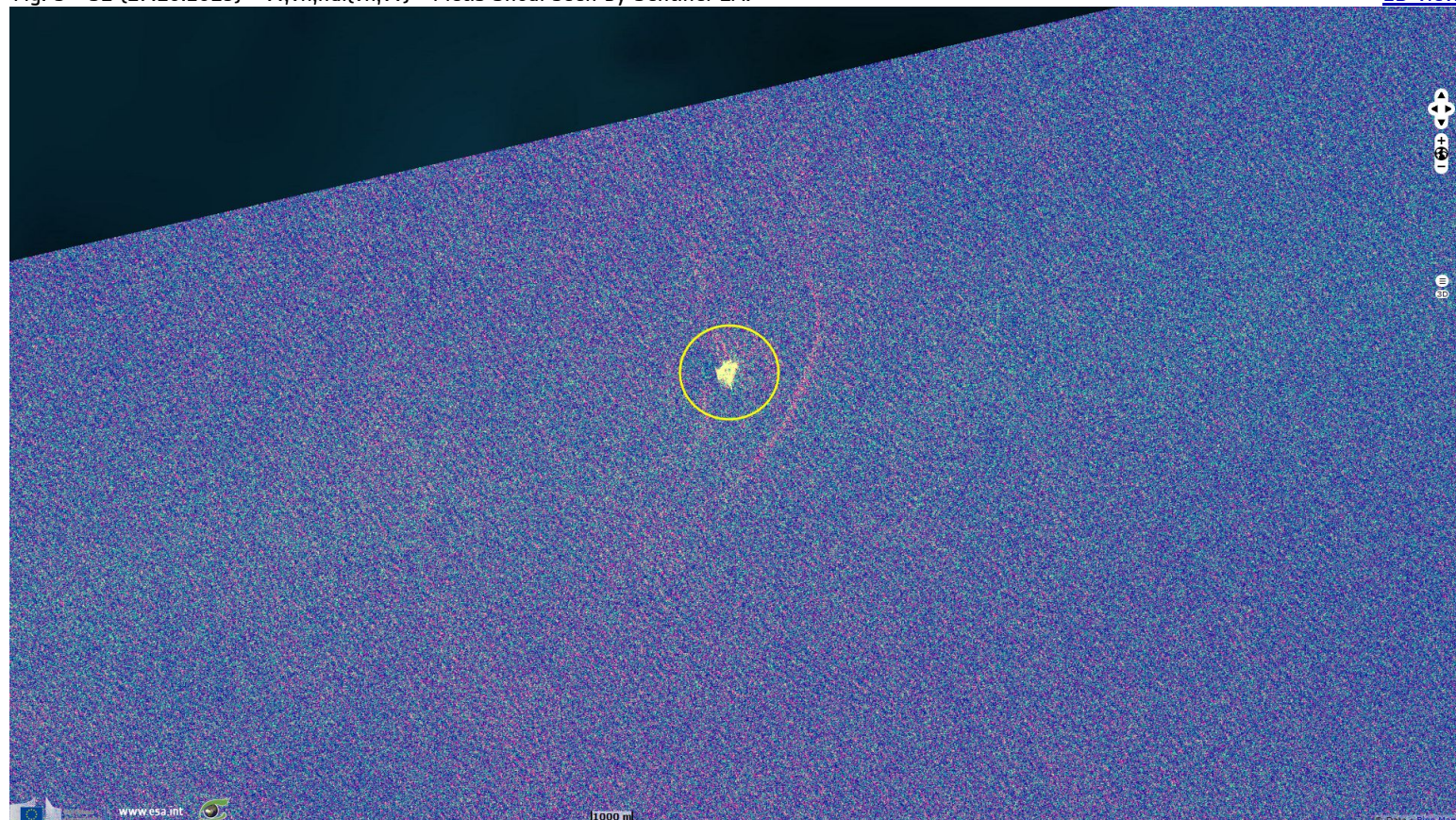
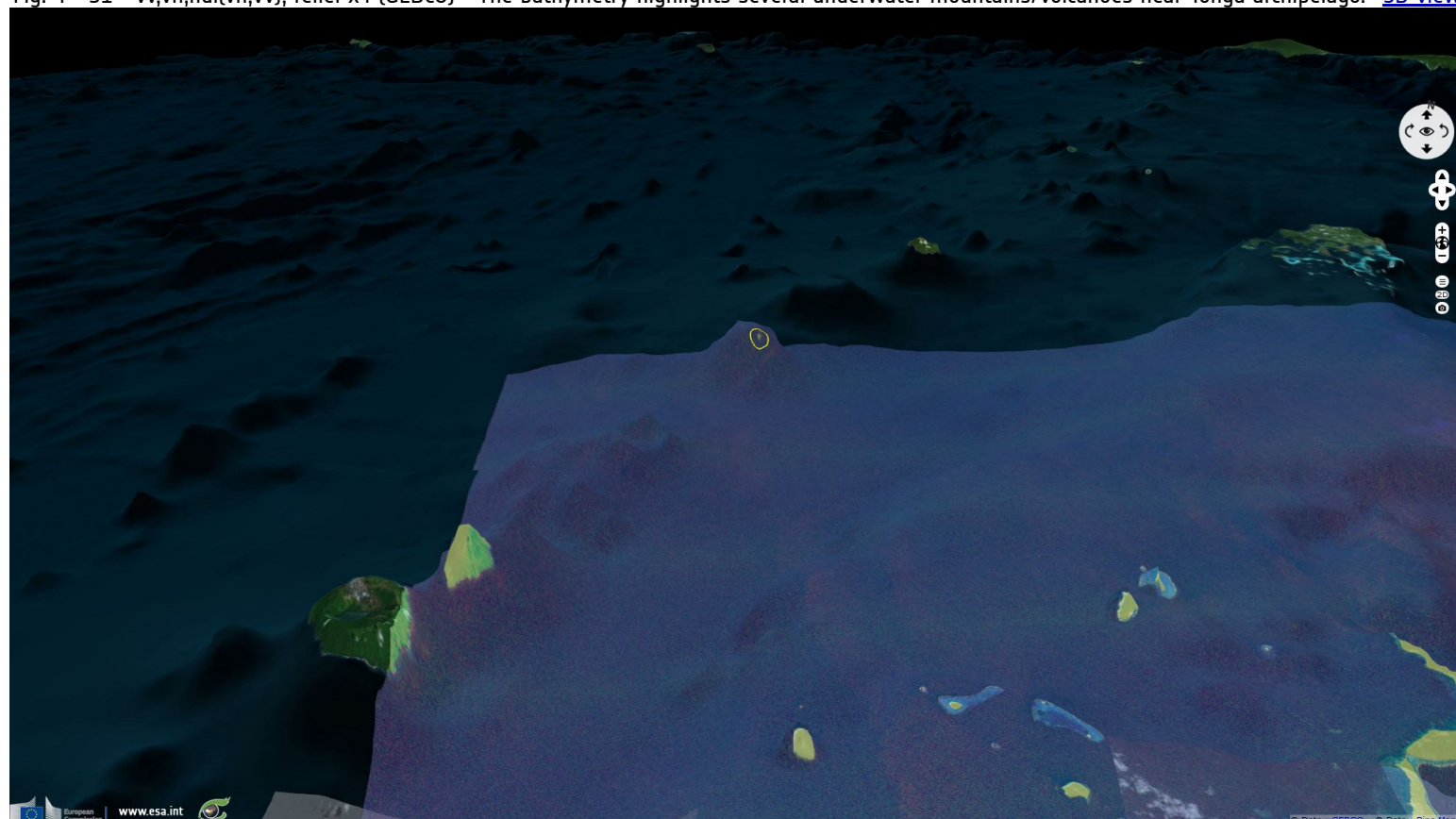


Fig. 4 - S1 - vv,vh,ndi(vh,vv), relief x4 (GEBCO) - The bathymetry highlights several underwater mountains/volcanoes near Tonga archipelago.

[3D view](#)



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