

The rebirth of the volcanic island Home Reef, Tonga

Sentinel-1 CSAR IW acquired on 19 August 2022 at 17:08:19 UTC

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Sentinel-2 MSI acquired on 09 September 2022 at 21:59:31 UTC

Sentinel-1 CSAR IW acquired on 12 September 2022 at 17:08:20 UTC

Sentinel-2 MSI acquired on 19 September 2022 at 21:59:21 UTC

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

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[3D Layerstack](#)

Fig. 1 - S2 (30.08.2022; 04.09.2022) - Home Reef is a volcanic island atop an underwater volcano in the central islands of Tonga.

[3D view](#) [3D view](#)

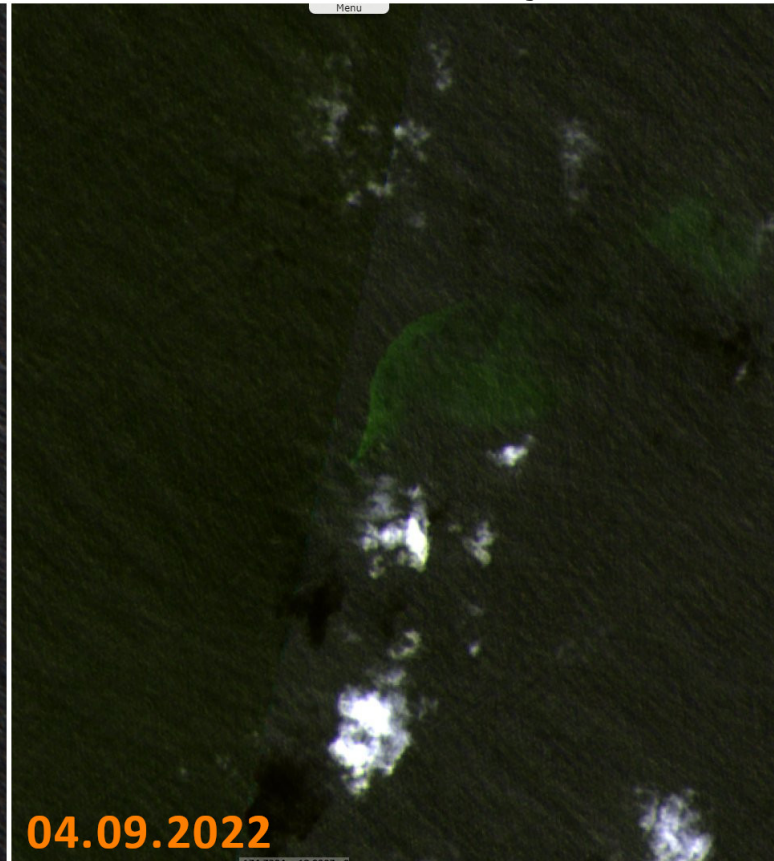
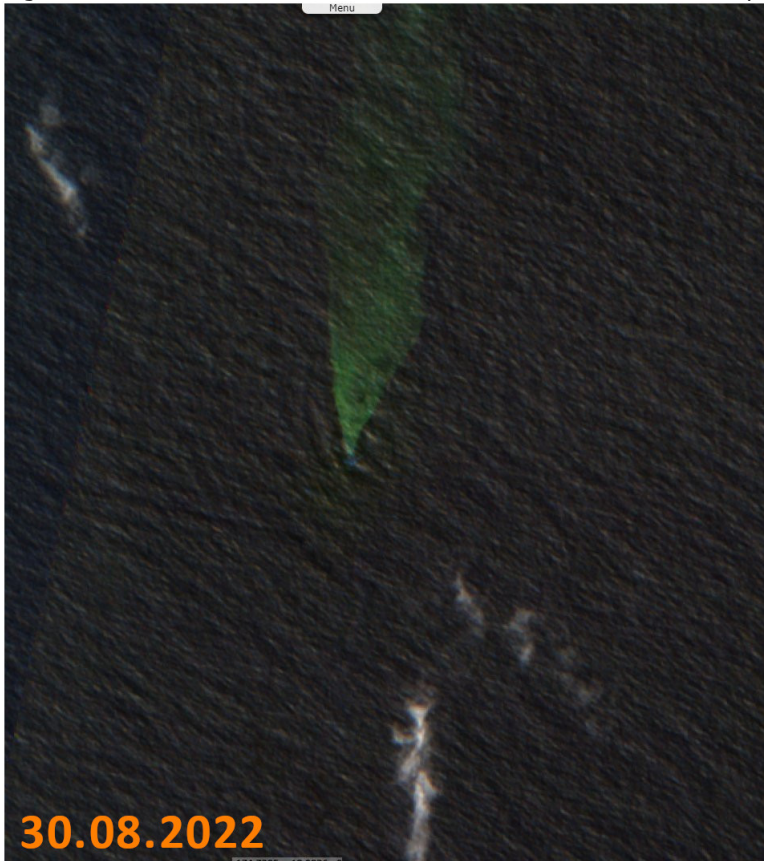
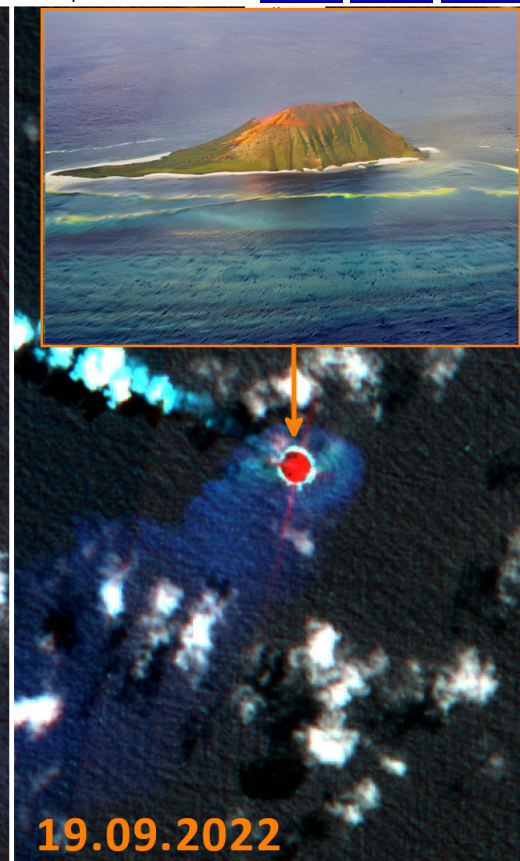
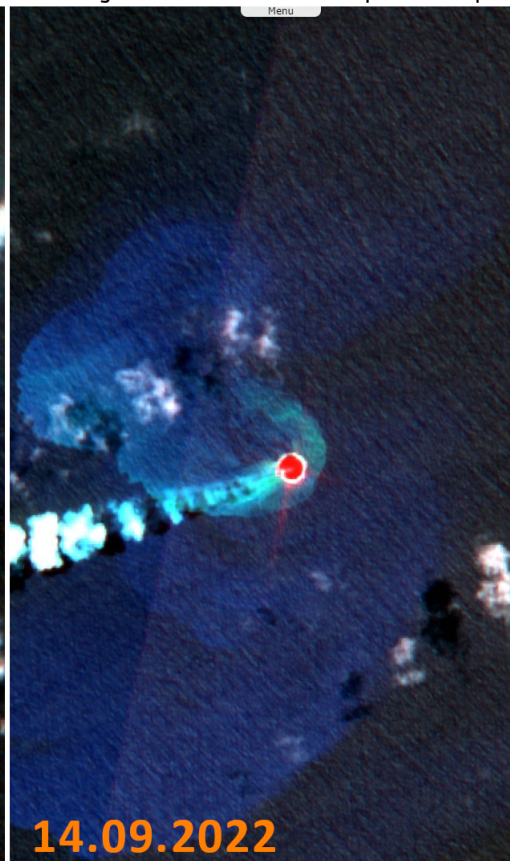
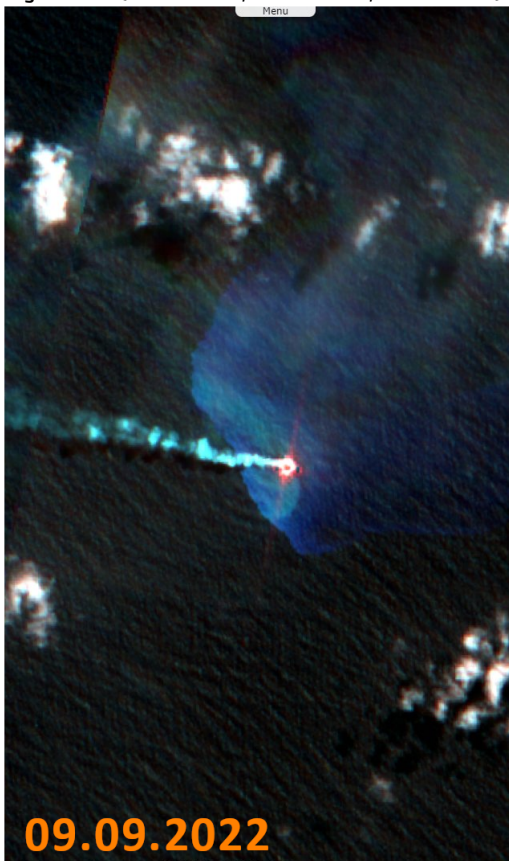


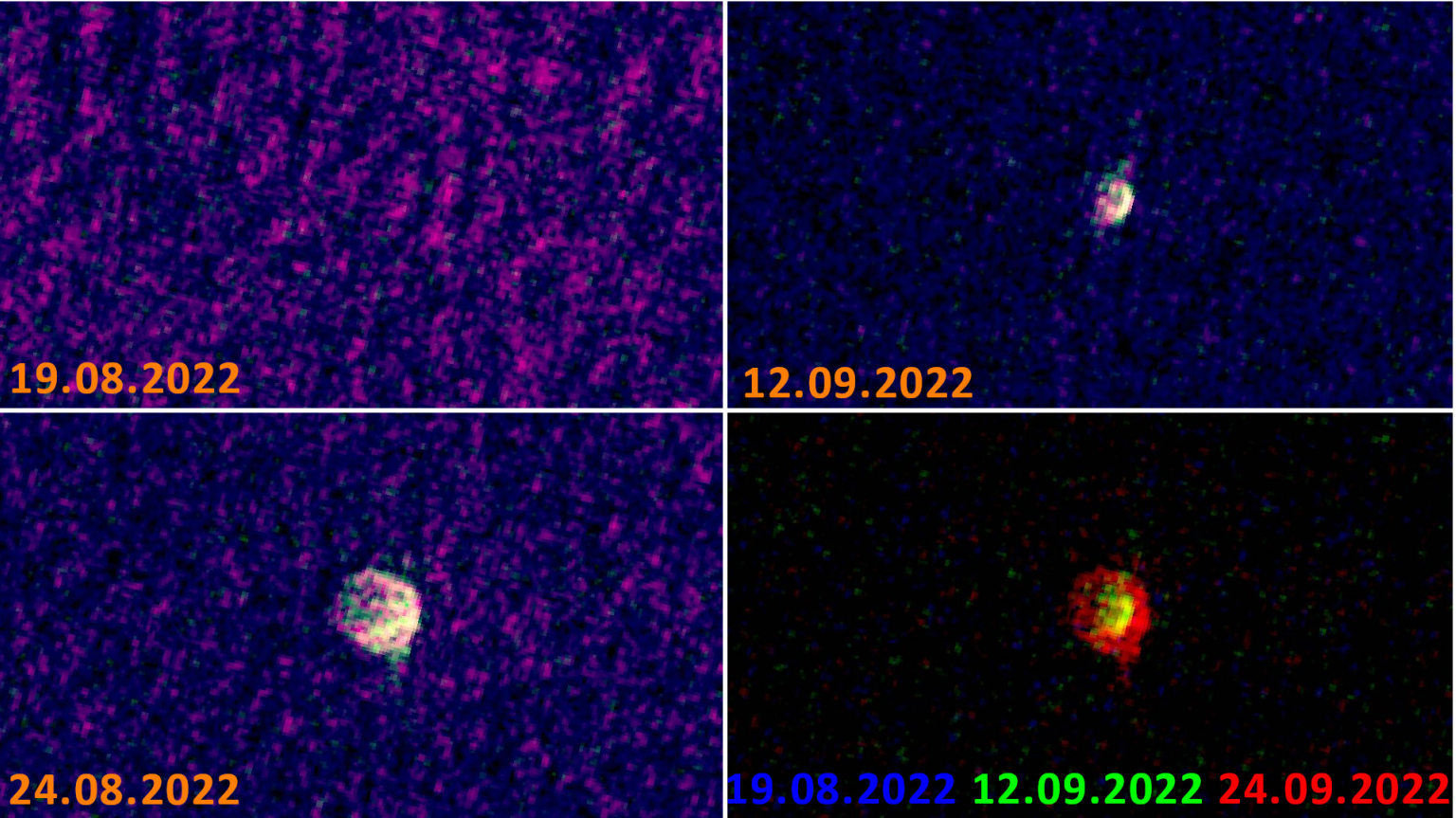
Fig. 2 - S2 (09.09.2022; 14.09.2022; 19.09.2022) - The Tonga Home Reef volcano erupted on September 9, 2022.

[3D view](#) [3D view](#) [3D view](#)



It caused a volcanic underwater island to reappear. The island had grown to 182 m N-S and 173 m E-W by 18 September.

Fig. 3 - S1 (19.08.2022; 12.09.2022; 24.09.2022) - Home Reef was first reported in 1852 when an ephemeral island was formed. [2D view](#) [2D view](#) [2D view](#) [2D view](#)



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