

# A pumice raft drifts amid the South Pacific near Tongas

Sentinel-1 CSAR IW acquired on **11 August 2019** at 17:08:00 UTC

Sentinel-2 MSI acquired on **11 August 2019** at 21:59:19 UTC

Sentinel-2 MSI acquired on **16 August 2019** at 21:59:21 UTC

Sentinel-2 MSI acquired on **21 August 2019** at 21:59:19 UTC

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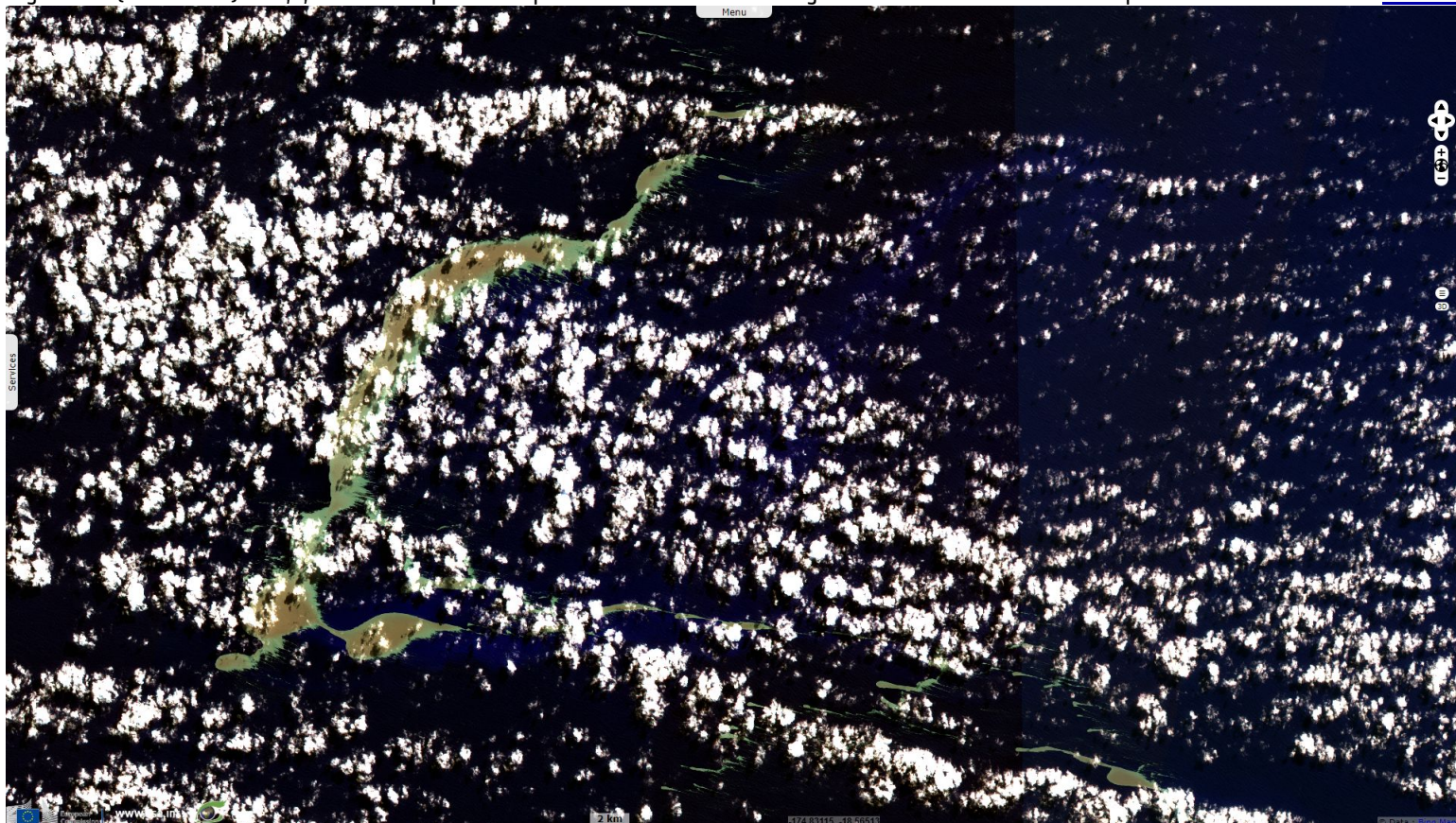
Keyword(s): Water colour, volcanoes, geohazard, marine traffic, ship security, Tonga islands, Pacific Ocean



[3D Layerstack](#)

Fig. 1 - S2 (11.08.2019) - 11,8,2 colour composite - A pumice raft formed near Tonga Islands after a submarine eruption on 07.08.19.

[2D view](#)



The same volcano is already responsible for several occurrences of this rare event in the past.

Fig. 2 - S1 (11.08.2019) - vv,vh,ndi(vh,vv) colour composite - A radar acquisition the same day confirms its heterogeneity in density.

[2D view](#)

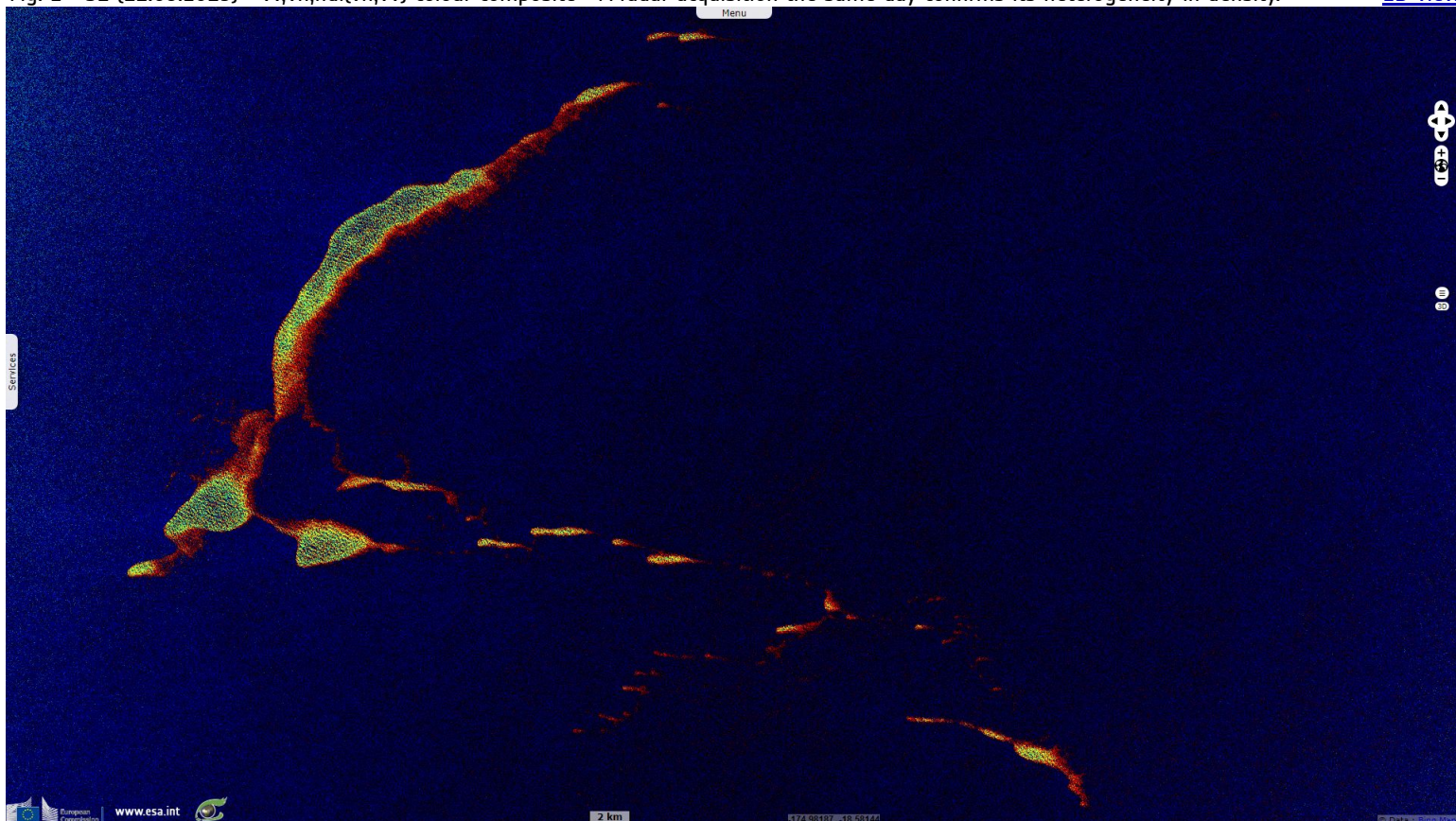




Fig. 3 - S2 (16.08.2019) - 11,8,2 colour composite - Measuring over 150 km<sup>2</sup>, it loses its density as it drifts and widens.

[3D view](#)

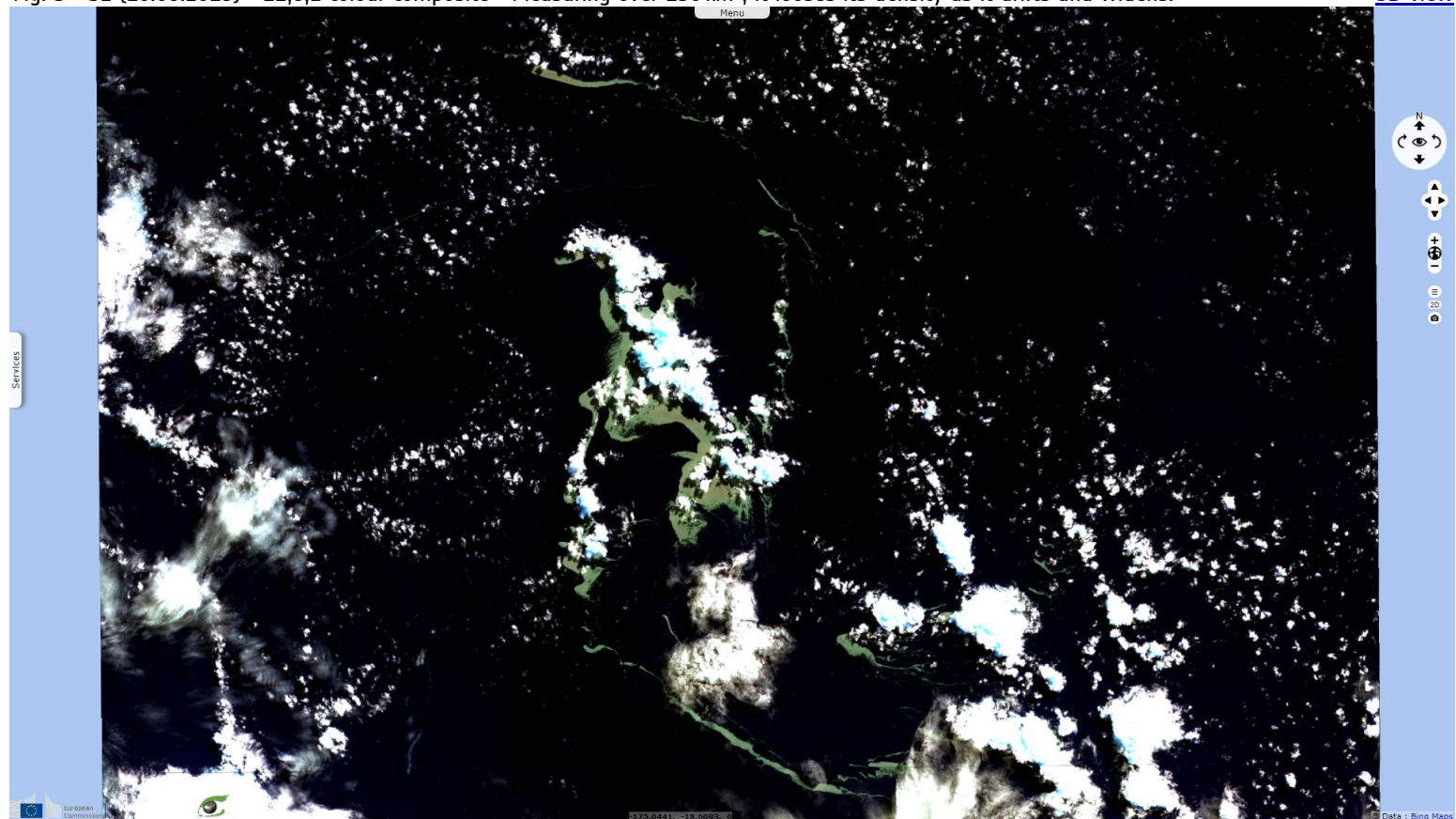
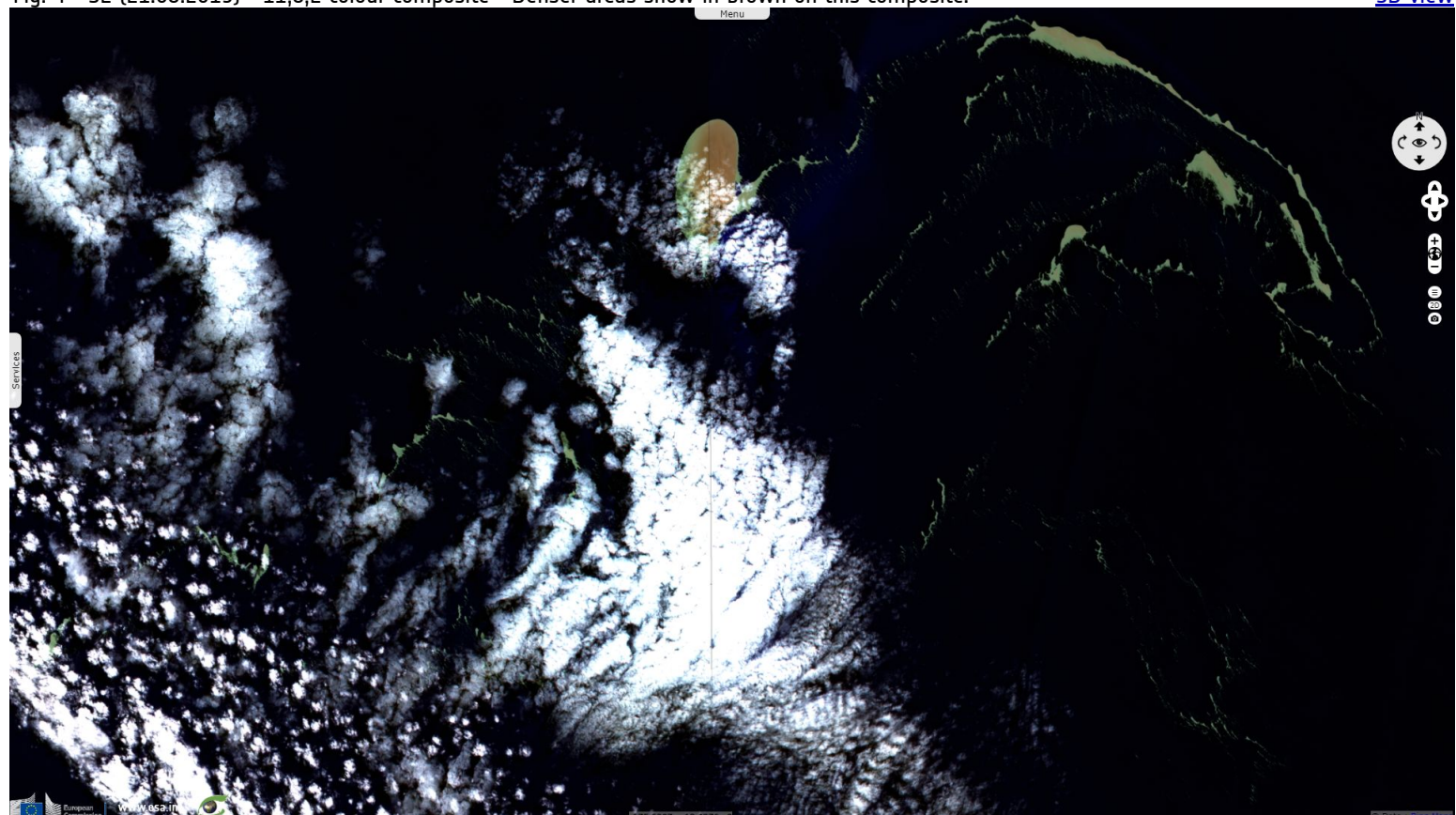














Fig. 4 - S2 (21.08.2019) - 11,8,2 colour composite - Denser areas show in brown on this composite.

[3D view](#)



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