

Vatnajökull ice cap viewed by radar

Sentinel-1 CSAR IW acquired on **07 April 2018** at 07:33:30 UTC
Sentinel-1 CSAR IW acquired on **01 May 2018** at 07:33:31 UTC
Sentinel-1 CSAR IW acquired on **12 July 2018** at 07:33:35 UTC
Sentinel-1 CSAR IW acquired on **04 October 2018** at 07:33:39 UTC

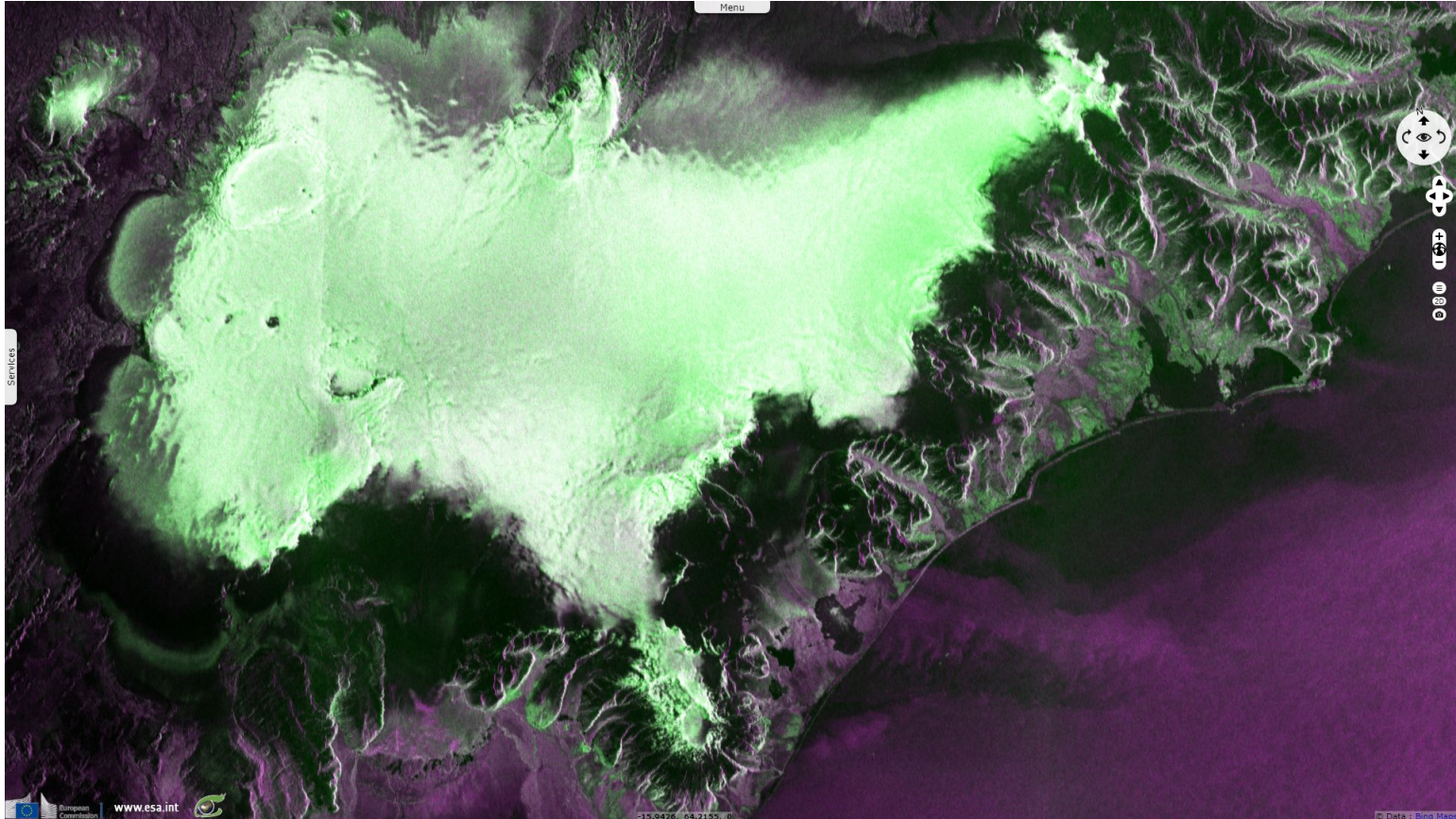
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Keyword(s): Polar, cryosphere, climate change, glacier, ice cap, snow, national park, UNESCO tentative list, volcano, Iceland



[3D Layerstack](#)

Fig. 1 - S1 (01.05.2018) - vv,vh,vv colour composite - Vatnajökull glacier viewed in May 2018 using a linear stretching. [2D animation](#) [3D animation](#)



Located S-E of Iceland, Vatnajökull is the 2nd largest (8100 km²) and most voluminous ice cap in Europe. Its national park is the largest in Europe.

Fig. 2 - 12.07.2018 - View in mid-July using a σ_0 processing shows both ends of the dynamic with less saturation. [3D animation](#)

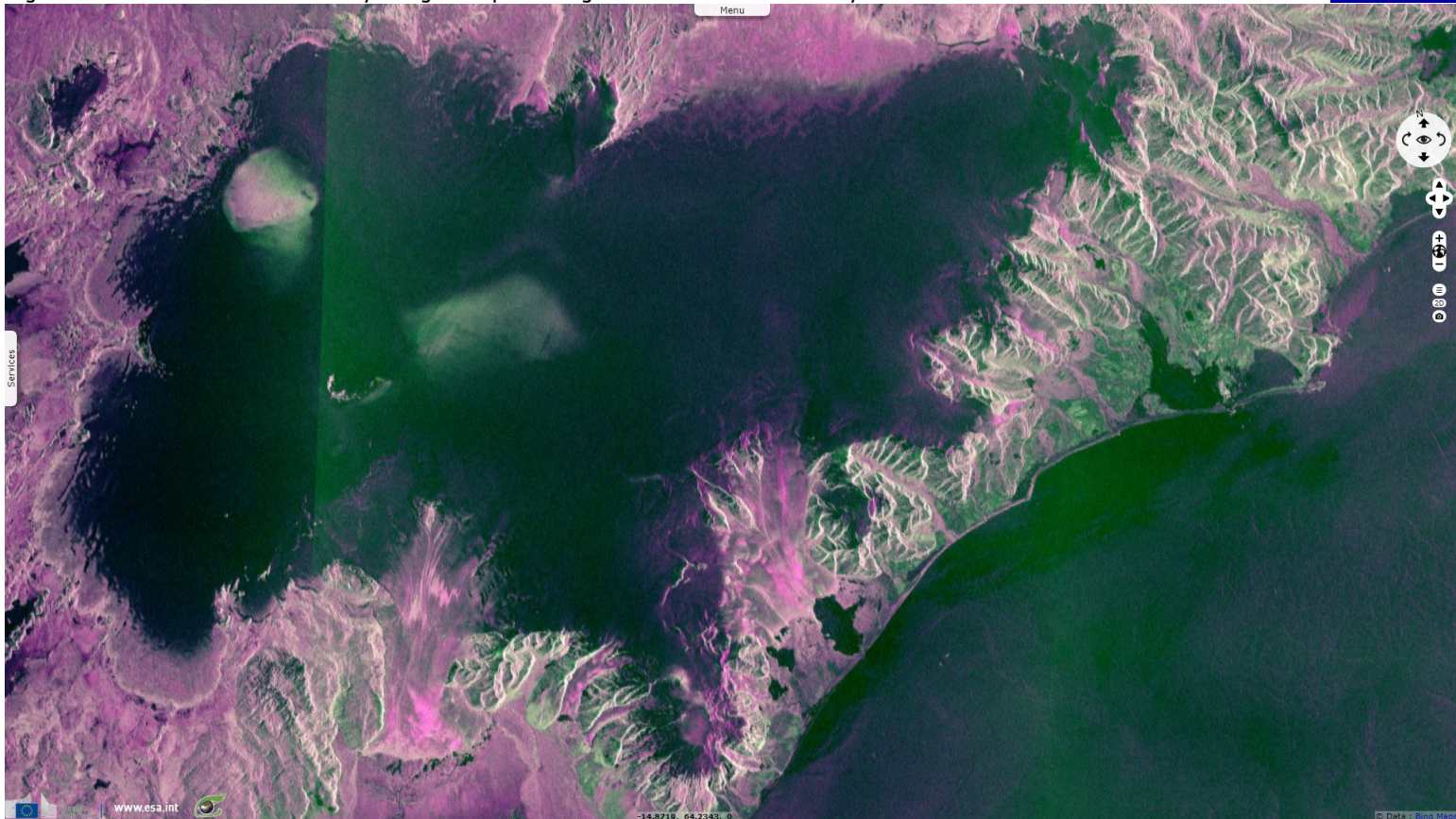


Fig. 3 - 04.10.2018 - The gamma function can be tuned to emphasise darker (blue) or brighter (red) features.

[3D animation](#)

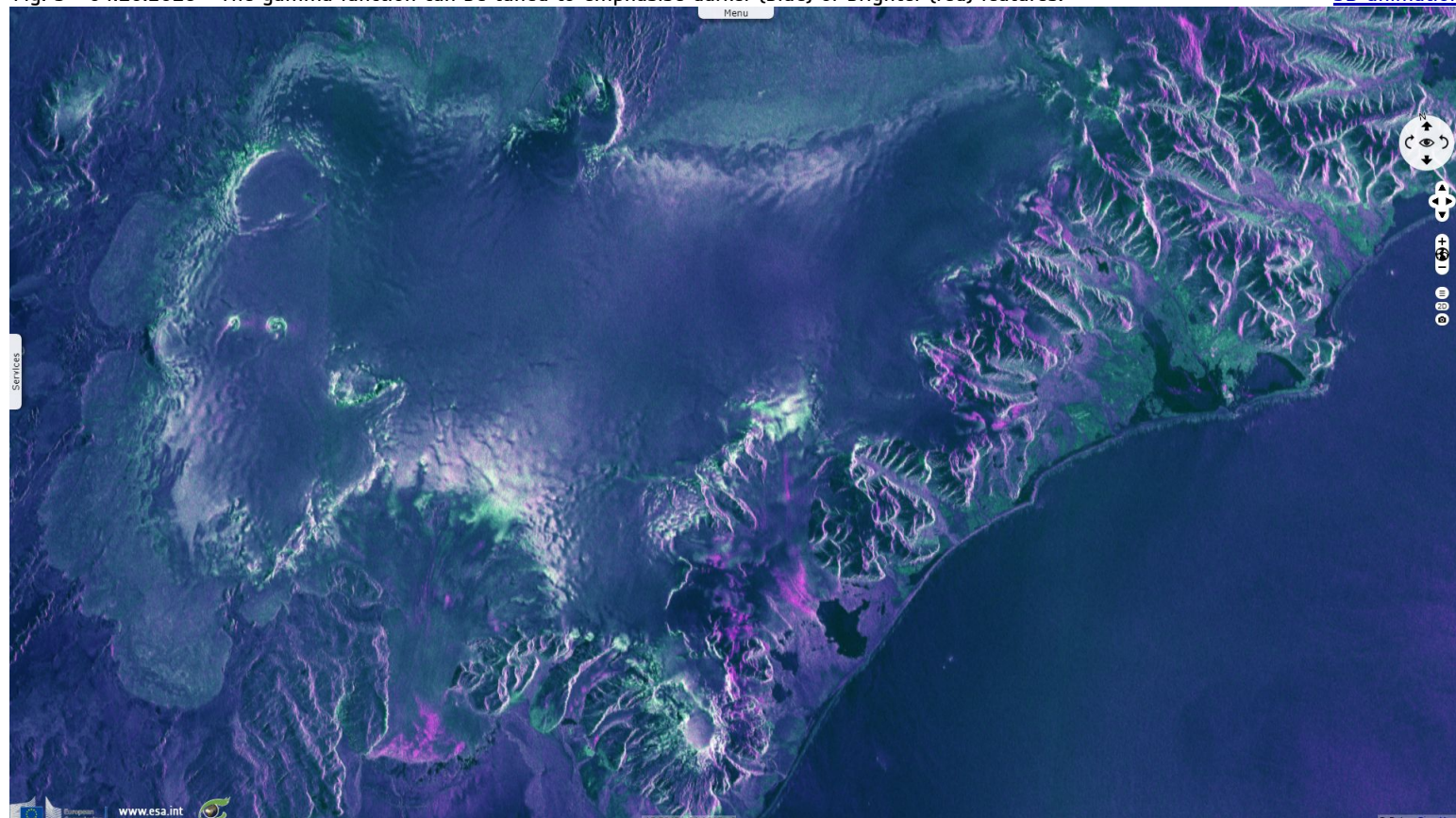
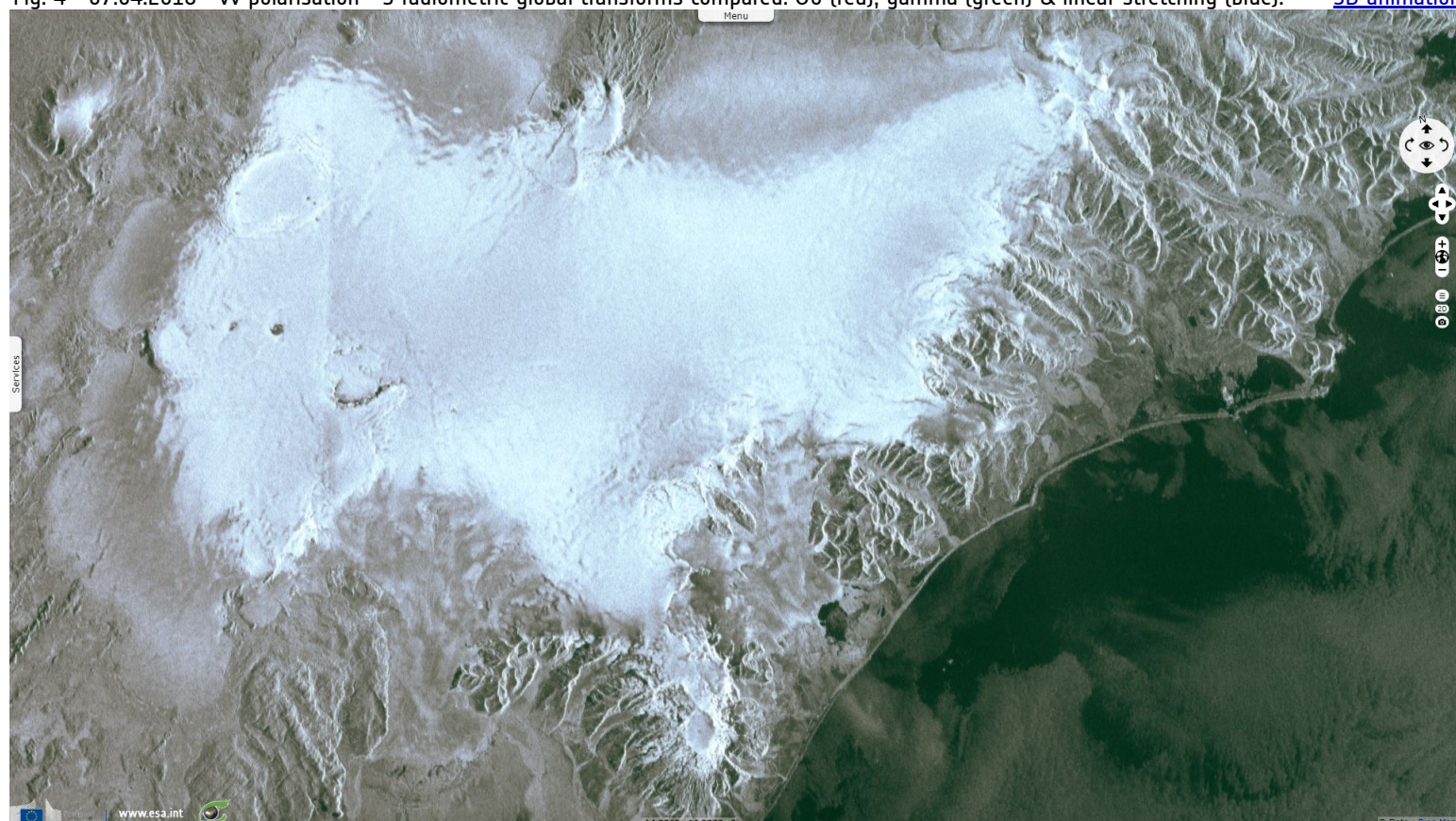


Fig. 4 - 07.04.2018 - vv polarisation - 3 radiometric global transforms compared: σ_0 (red), gamma (green) & linear stretching (blue).

[3D animation](#)



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