

Observing solstice shadows on Tropic of Cancer - Africa

Sentinel-2 MSI acquired on **11 December 2017** at 08:03:21 UTC
Sentinel-2 MSI acquired on **30 December 2017** at 10:14:21 UTC
Sentinel-2 MSI acquired on **13 June 2018** at 10:10:19 UTC
Sentinel-2 MSI acquired on **18 June 2018** at 10:10:21 UTC
Sentinel-2 MSI acquired on **24 June 2018** at 07:56:09 UTC

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[3D Layerstack](#)

Fig. 1 - S2 (13 & 18.06.2018) - 12,11,4 colour composite - Shadowless Algerian Hoggar range viewed near the summer solstice.

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

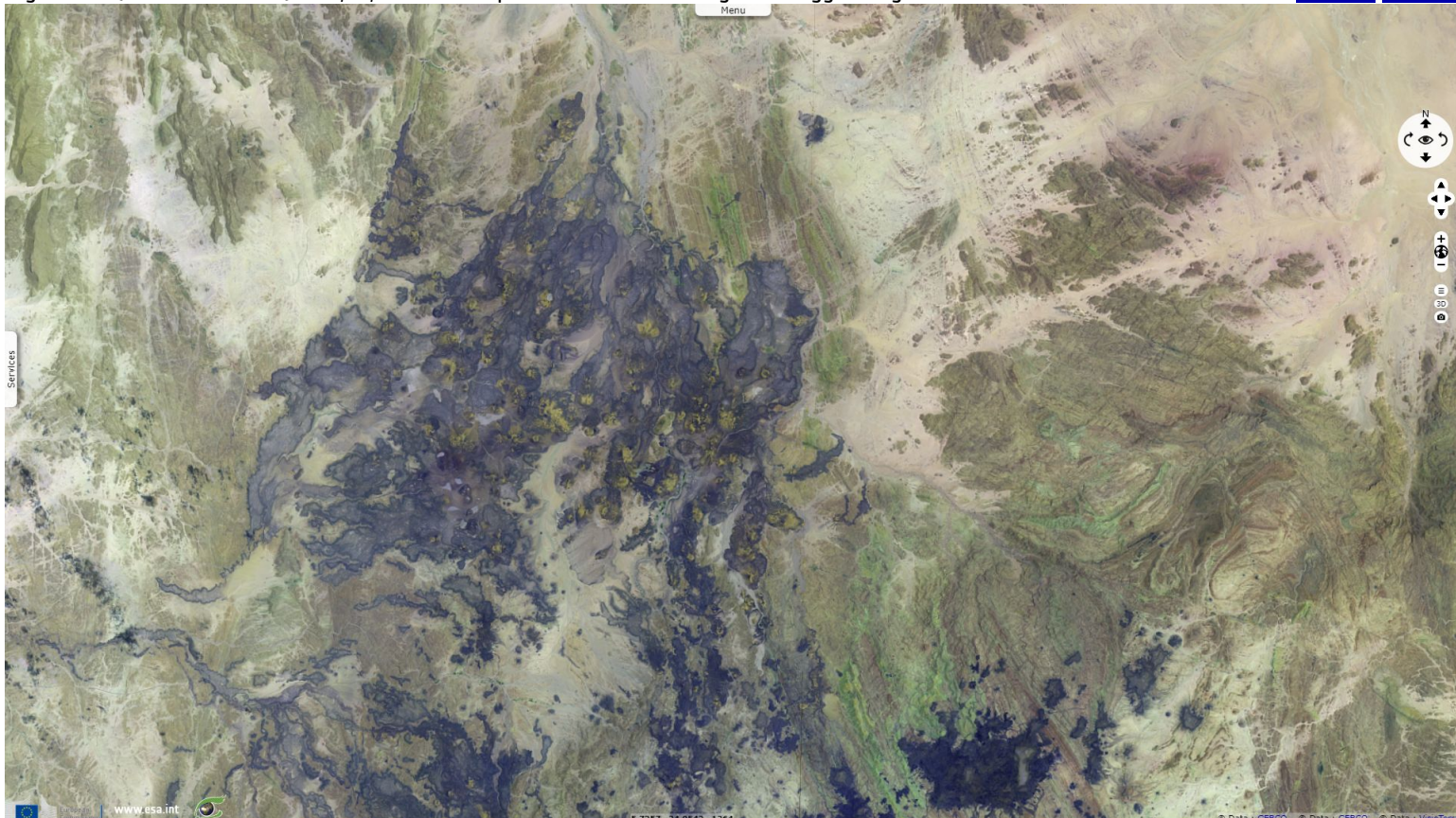


Fig. 2 - 30.12.2017 - Same view near the Northern hemisphere winter solstice, when shadows are maximum.

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

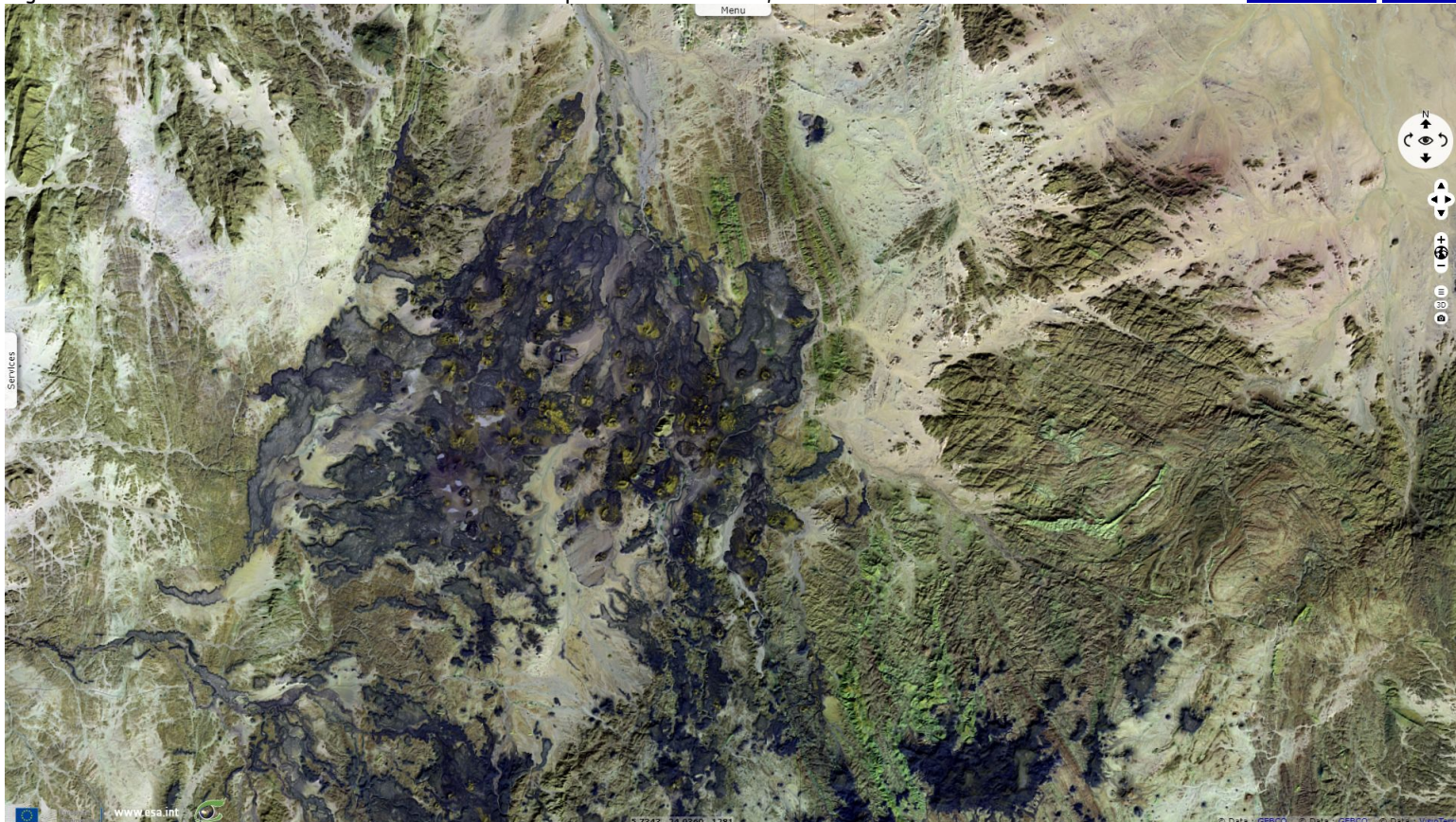


Fig. 3 - 24.06.2018 - View of the Sudanese side of the Red Sea rift (also located on the Tropic of Cancer) near the summer solstice.

[3D view](#)

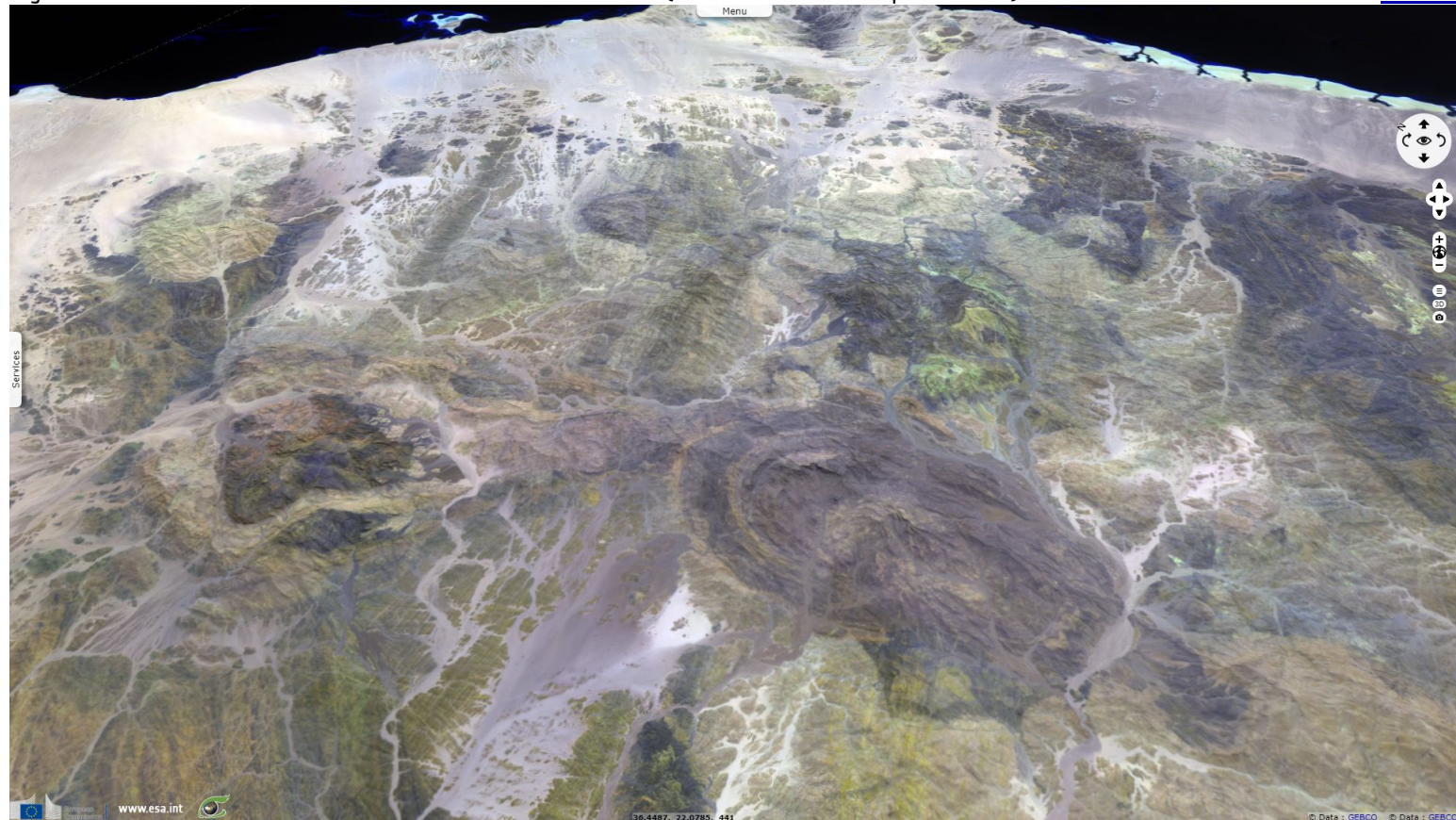
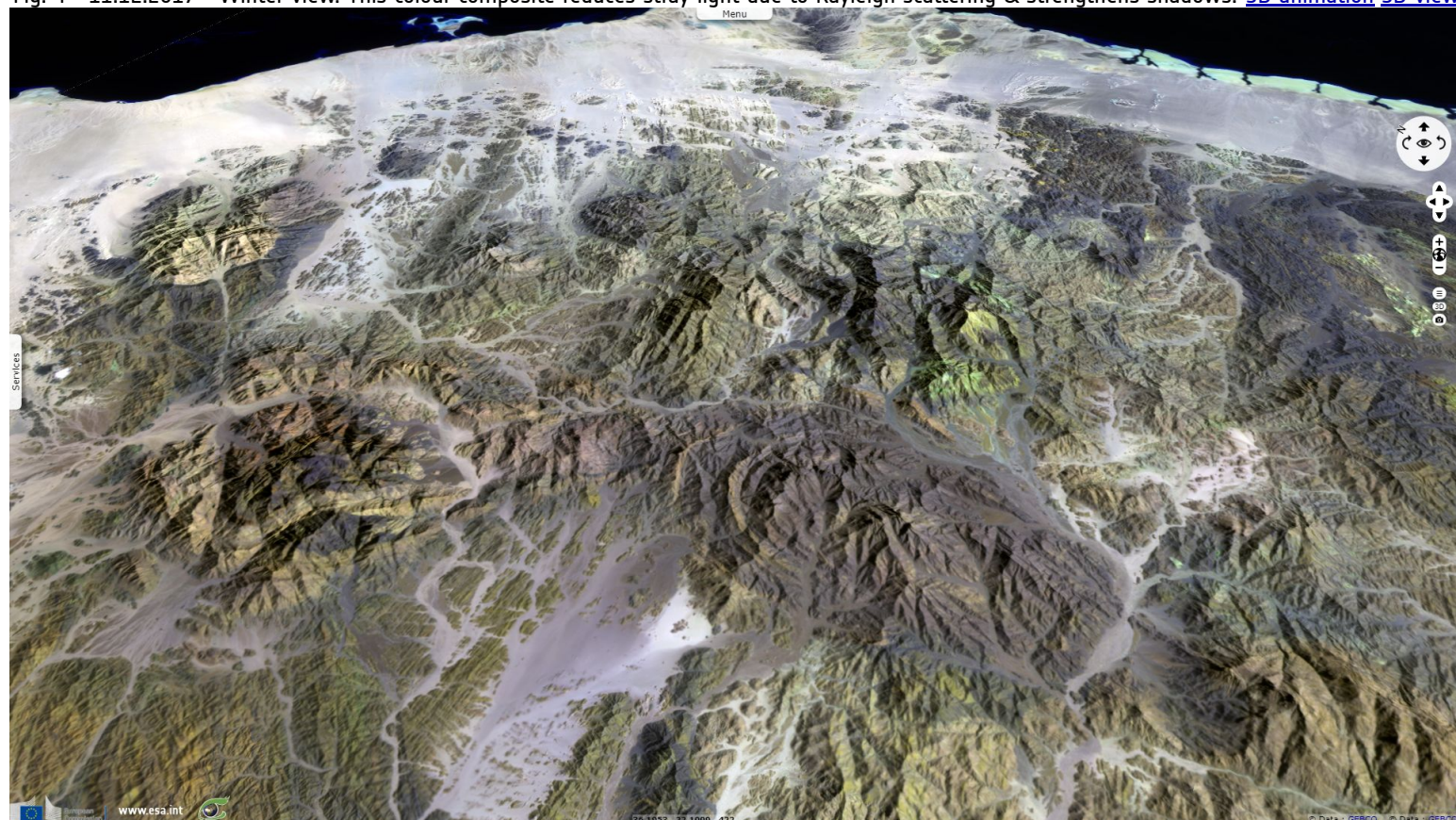














Fig. 4 - 11.12.2017 - Winter view. This colour composite reduces stray light due to Rayleigh scattering & strengthens shadows. [3D animation](#) [3D view](#)



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