

Black Lake crater amidst the Pamir Range

Sentinel-3 OLCI FR acquired on **15 August 2017** at 05:39:05 UTC

Sentinel-1 CSAR IW acquired on **23 June 2018** at 01:13:45 UTC

Sentinel-2 MSI acquired on **08 July 2018** at 05:56:39 UTC

Sentinel-2 MSI acquired on **15 July 2018** at 05:46:39 UTC

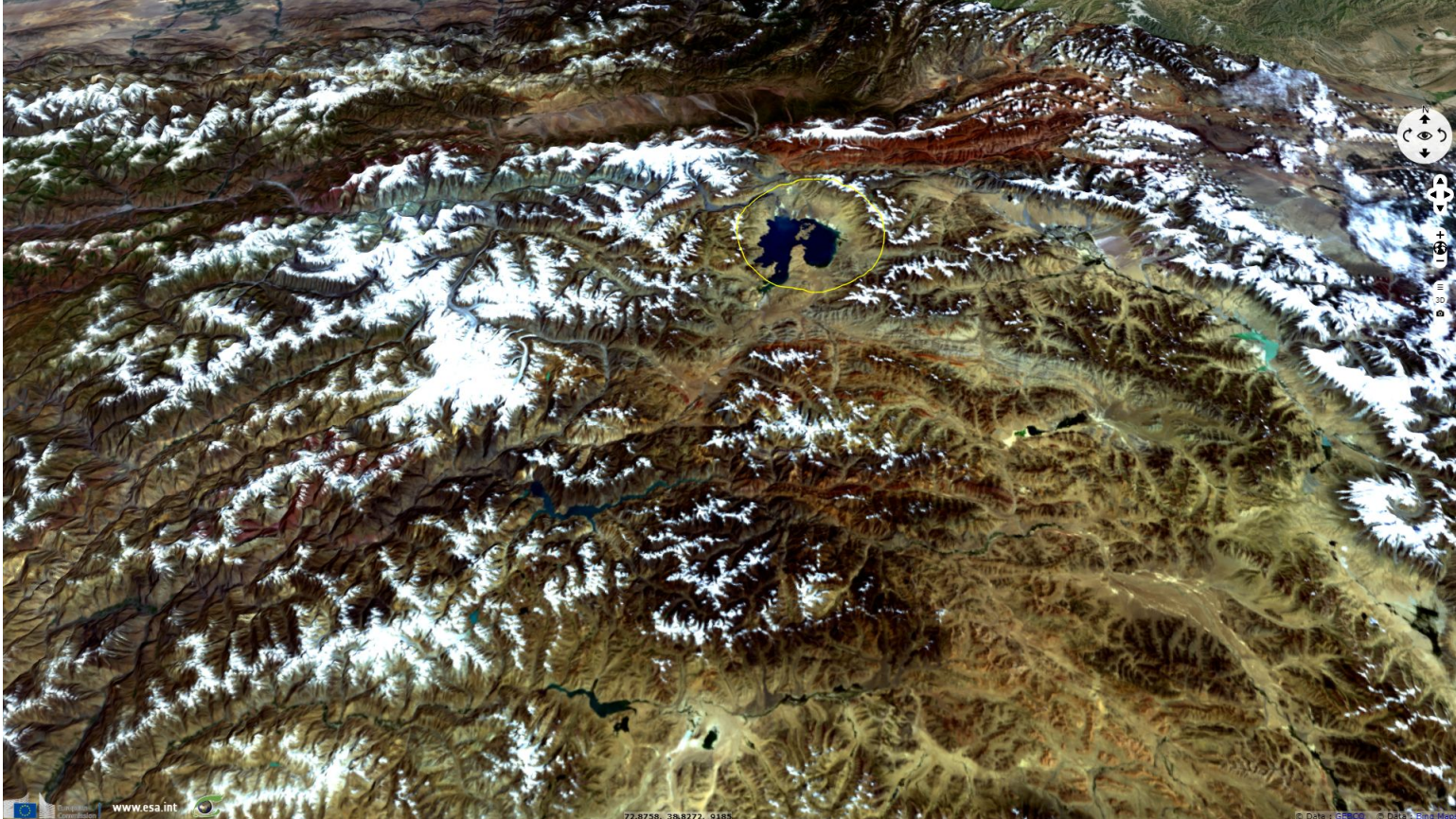
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[2D Layerstack](#)

Fig. 1 - S3 OLCI (15.08.2017) - 10,6,3 colour composite - Karakul is a 25km diameter lake lying within a 52km wide impact crater. [2D view](#) [3D view](#)



Karakul (Black Lake) is located in Tajik National Park in the Pamir Mountains in Tajikistan, near Kirghistan & China borders

Fig. 2 - S1 (23.06.23) - vv,vh,ndi(vh,vv) colour composite - It sits 3900m high, covers 380km² and is up to 230m deep [2D view](#) [3D view](#)

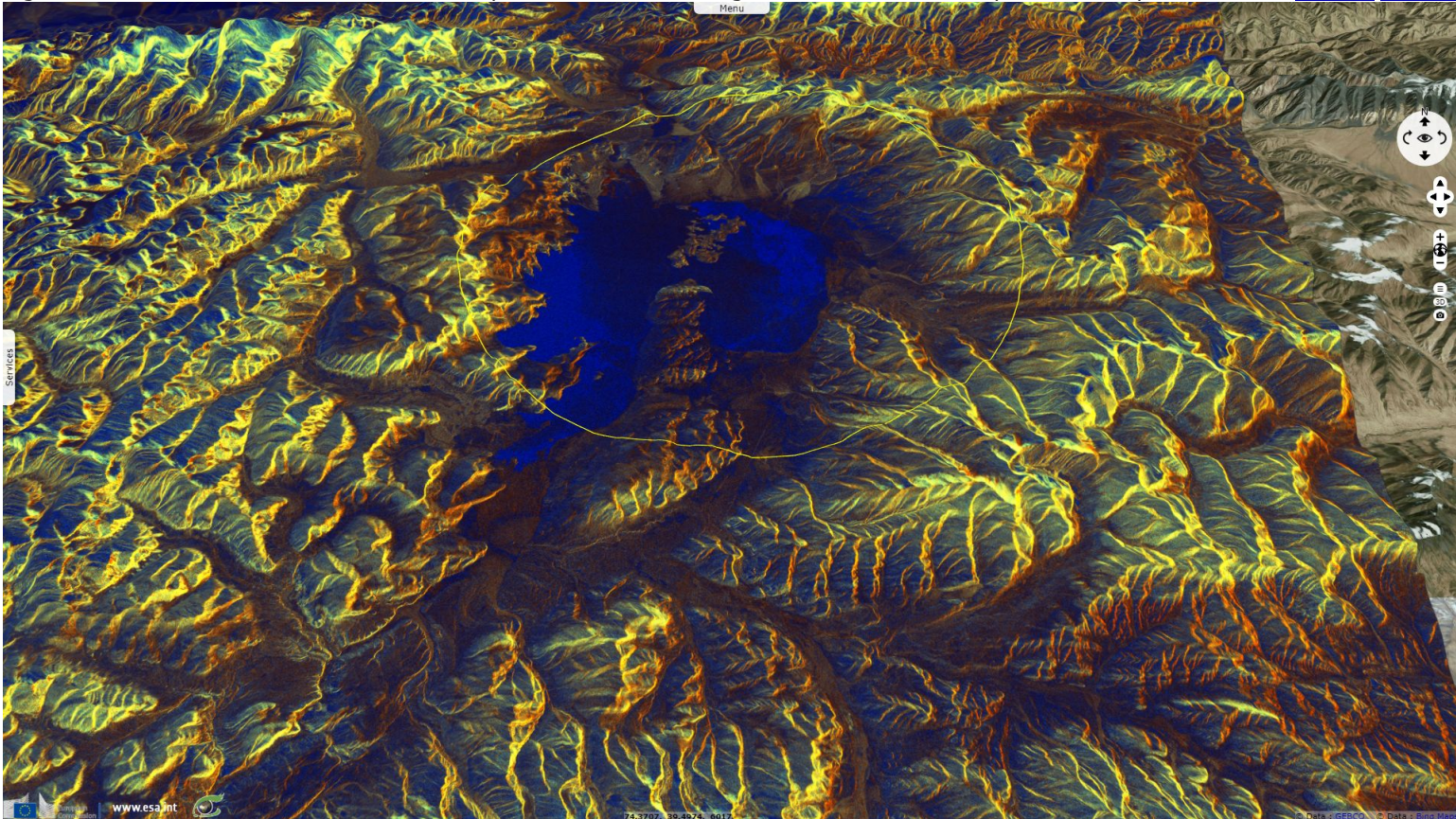


Fig. 3 - S2 (08 & 15.08.2018) - 12,8,4 colour composite - The endorheic lake formed in a impact crater 5 to 25 million years old.

[3D view](#) [2D view](#)

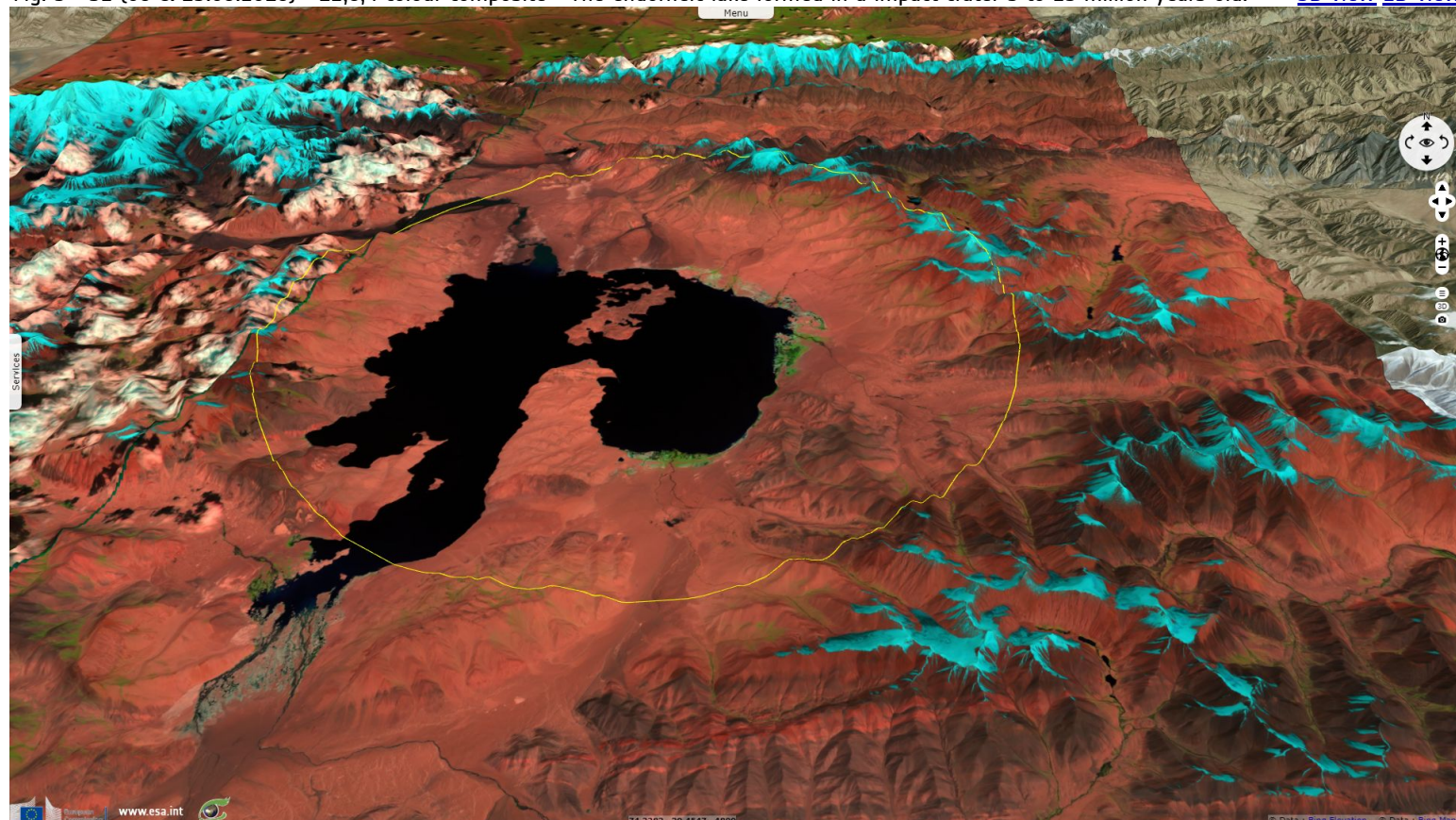
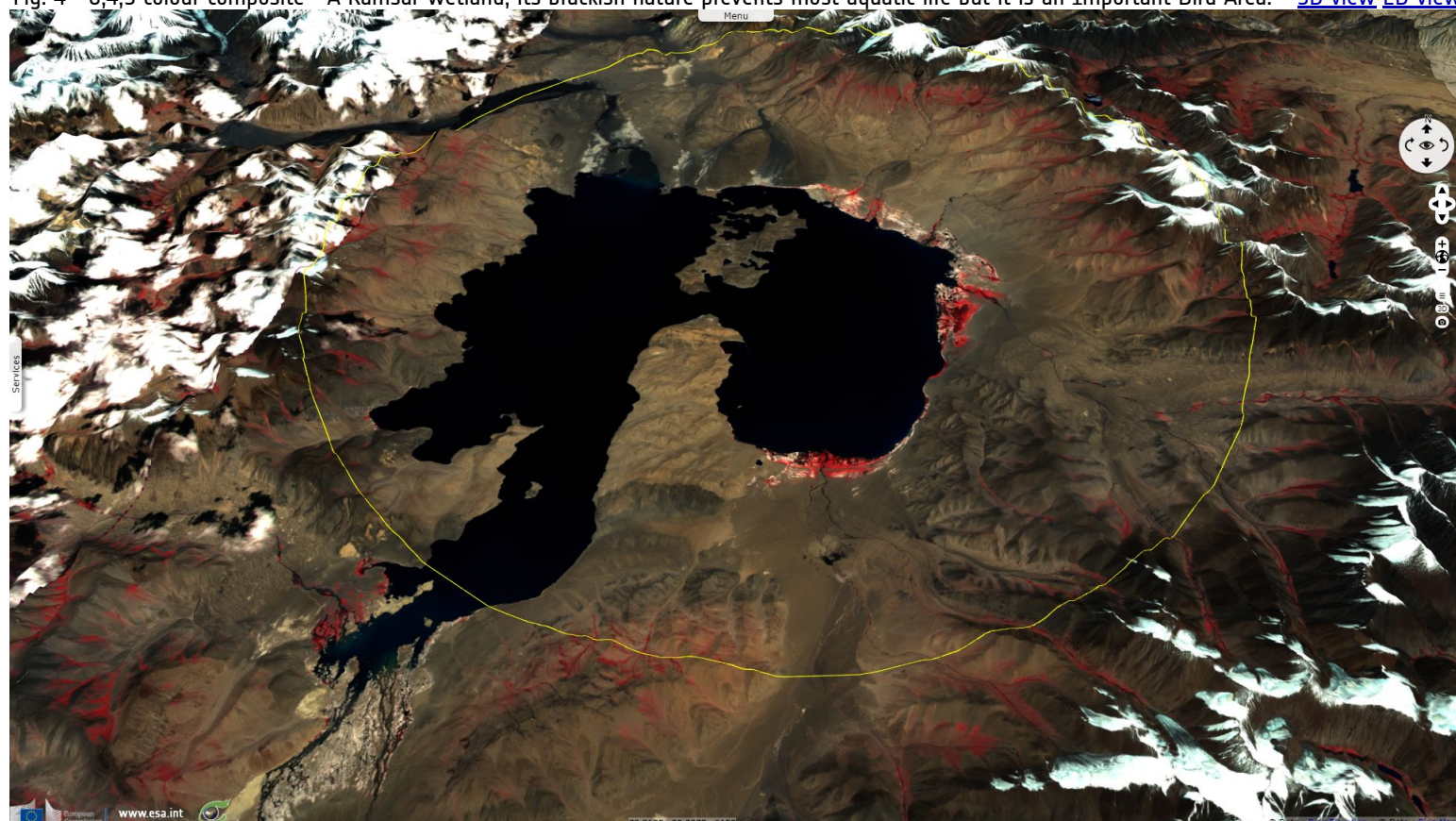


Fig. 4 - 8,4,3 colour composite - A Ramsar wetland, its brackish nature prevents most aquatic life but it is an Important Bird Area.

[3D view](#) [2D view](#)



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