

Visit to Cerro Galán

Sentinel-2 MSI acquired on 03 September 2017 at 14:28:51 UTC

Sentinel-1 CSAR IW acquired on 28 March 2018 at 23:04:53 UTC

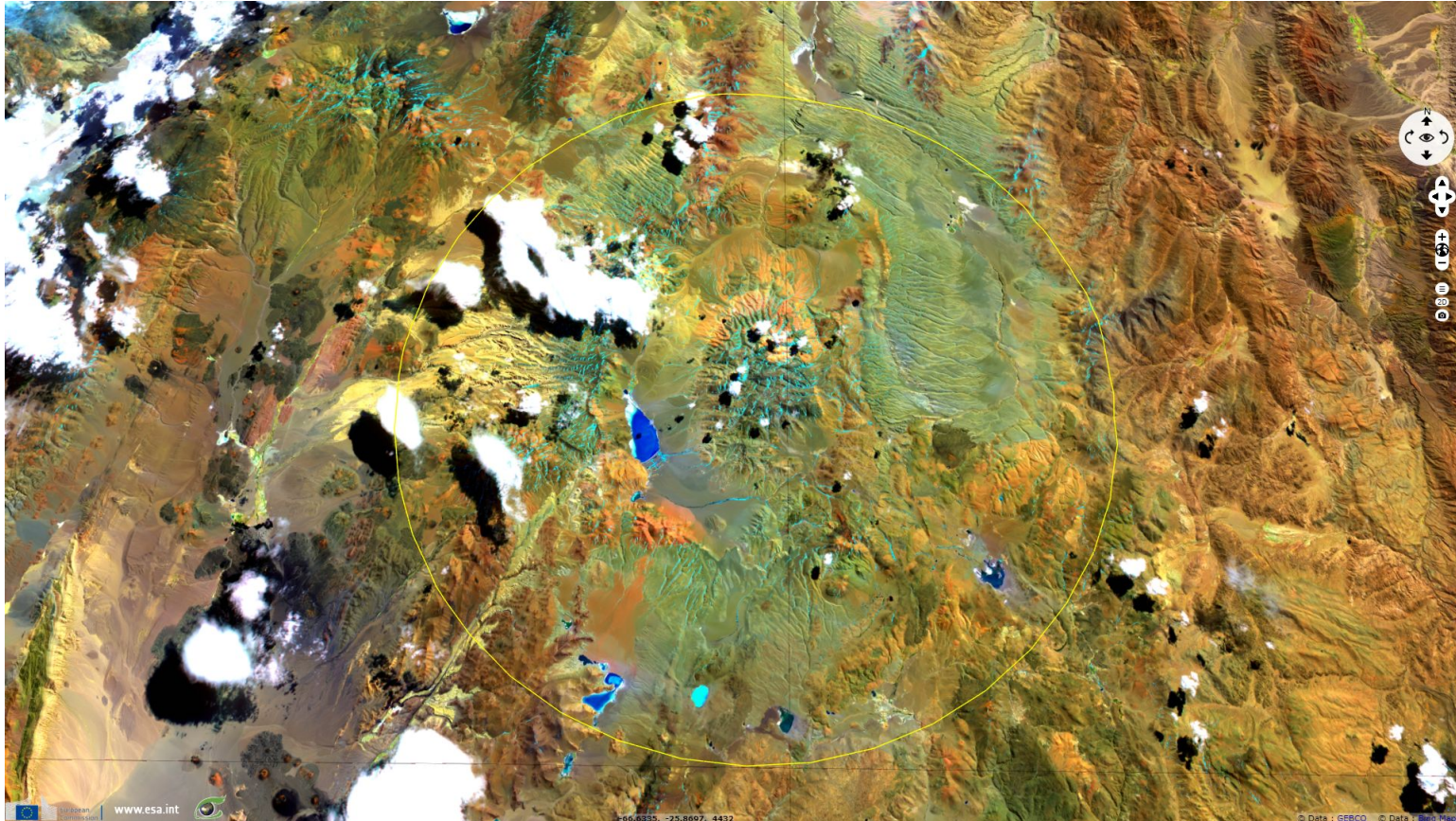
Sentinel-1 CSAR IW acquired on 28 March 2018 at 23:05:18 UTC

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

Keyword(s): Land, geology, volcano, caldera, crater, mountain range, Pacific Range of Fire, Altiplano-Puna, Andean cordillera, Argentina

[2D Layerstack](#)

Fig. 1 - S2 (03.09.2017) - 11,8,2 colour composite - Galán is a 6100m high volcano lying in the Altiplano-Puna volcanic complex. [2D view](#) [3D view](#)



Its caldera is one of the largest exposed calderas in the world, being 38 x 26 km (26 x 18 km on the inside) with a floor at 4500m.

Fig. 2 - S1 (28.03.2018) - vv,vh,ndi(vh,vv) colour composite - 2.1Ma ago, a VEI8 explosion covered it with 650 km³ of ignimbrite. [3D view](#) [2D view](#)

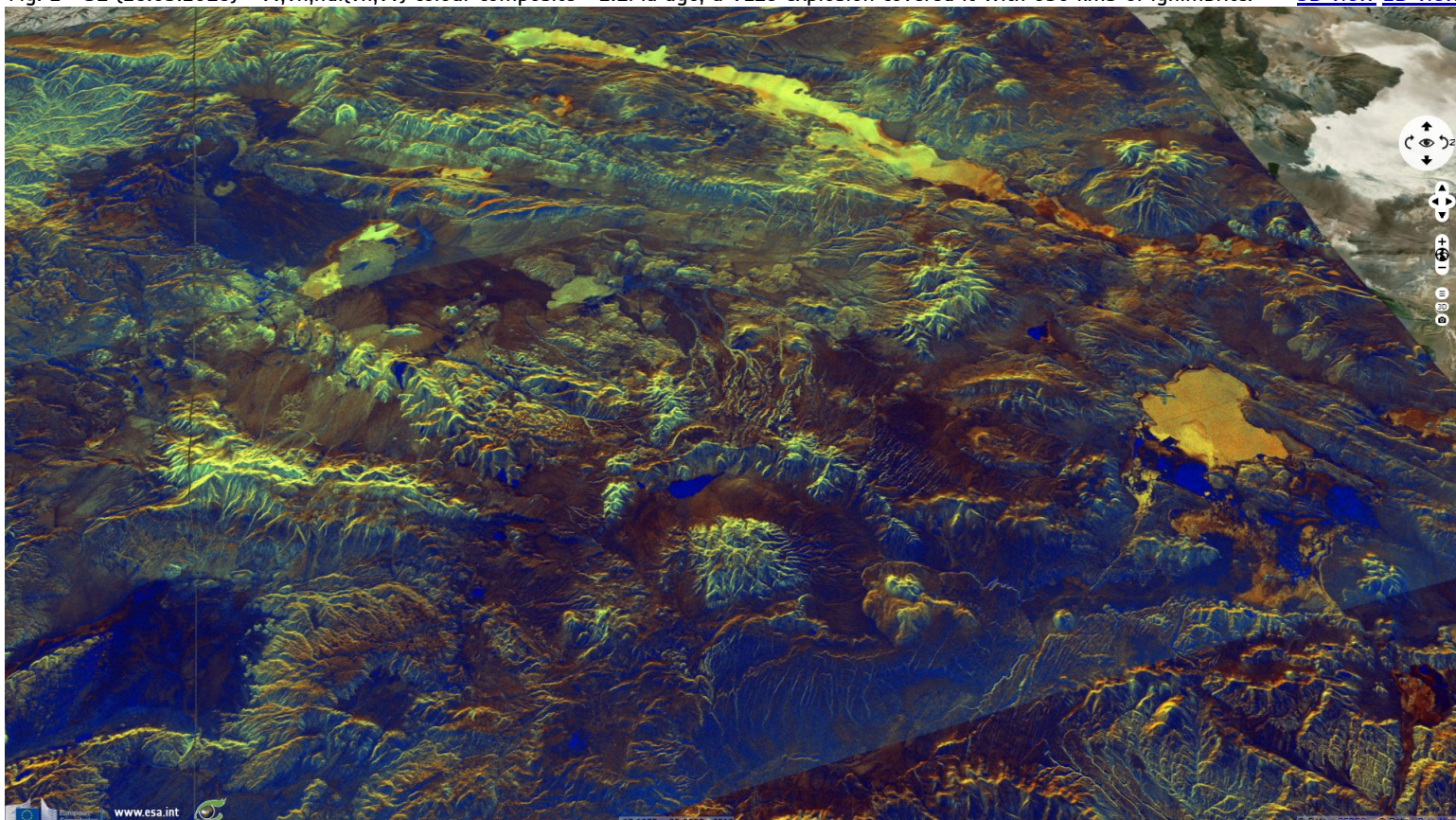


Fig. 3 - S1 (28.03.2018) - vv,vh,ndi(vh,vv) colour composite - Zoom up on the caldera, viewed from the east.

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

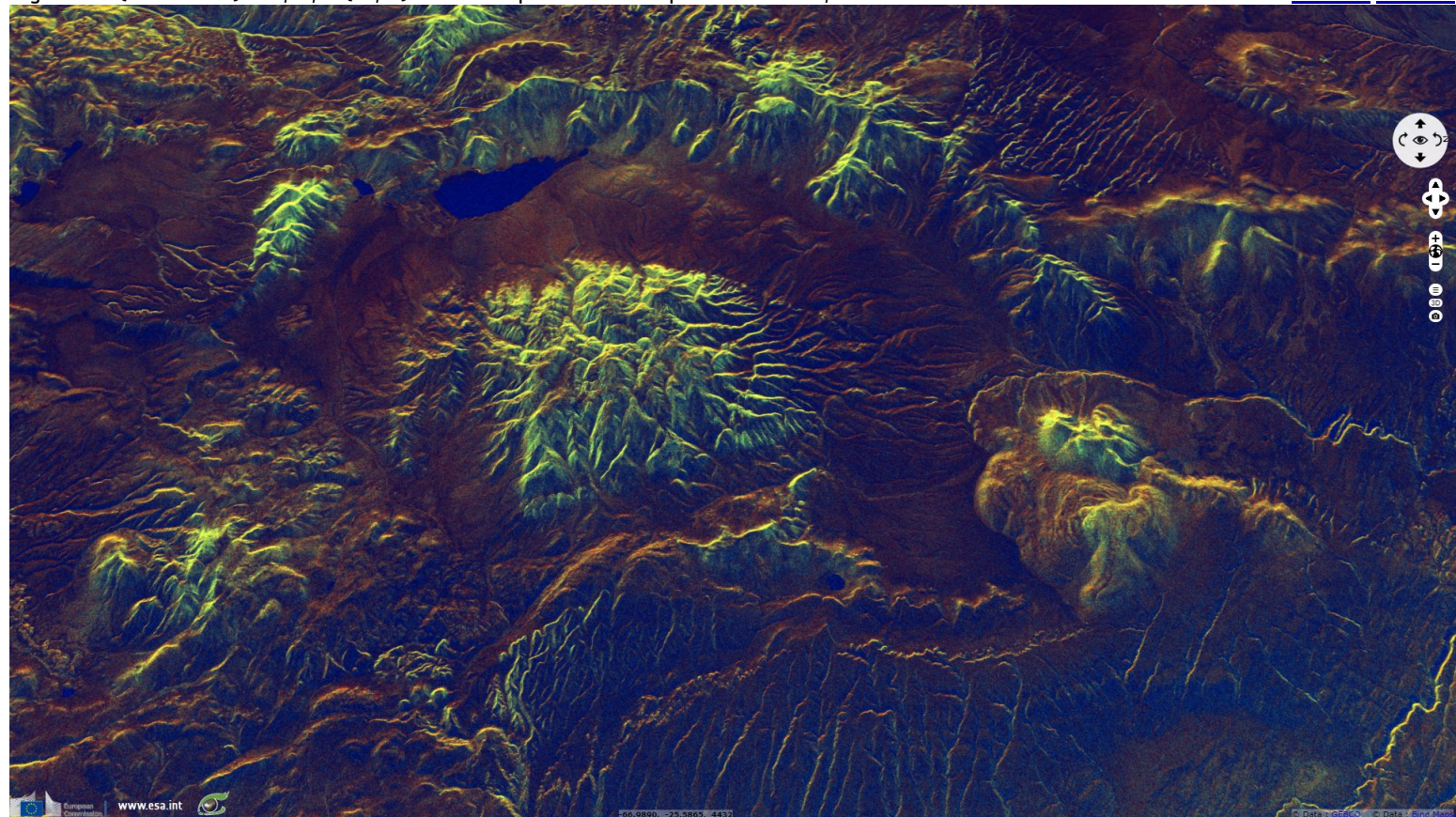
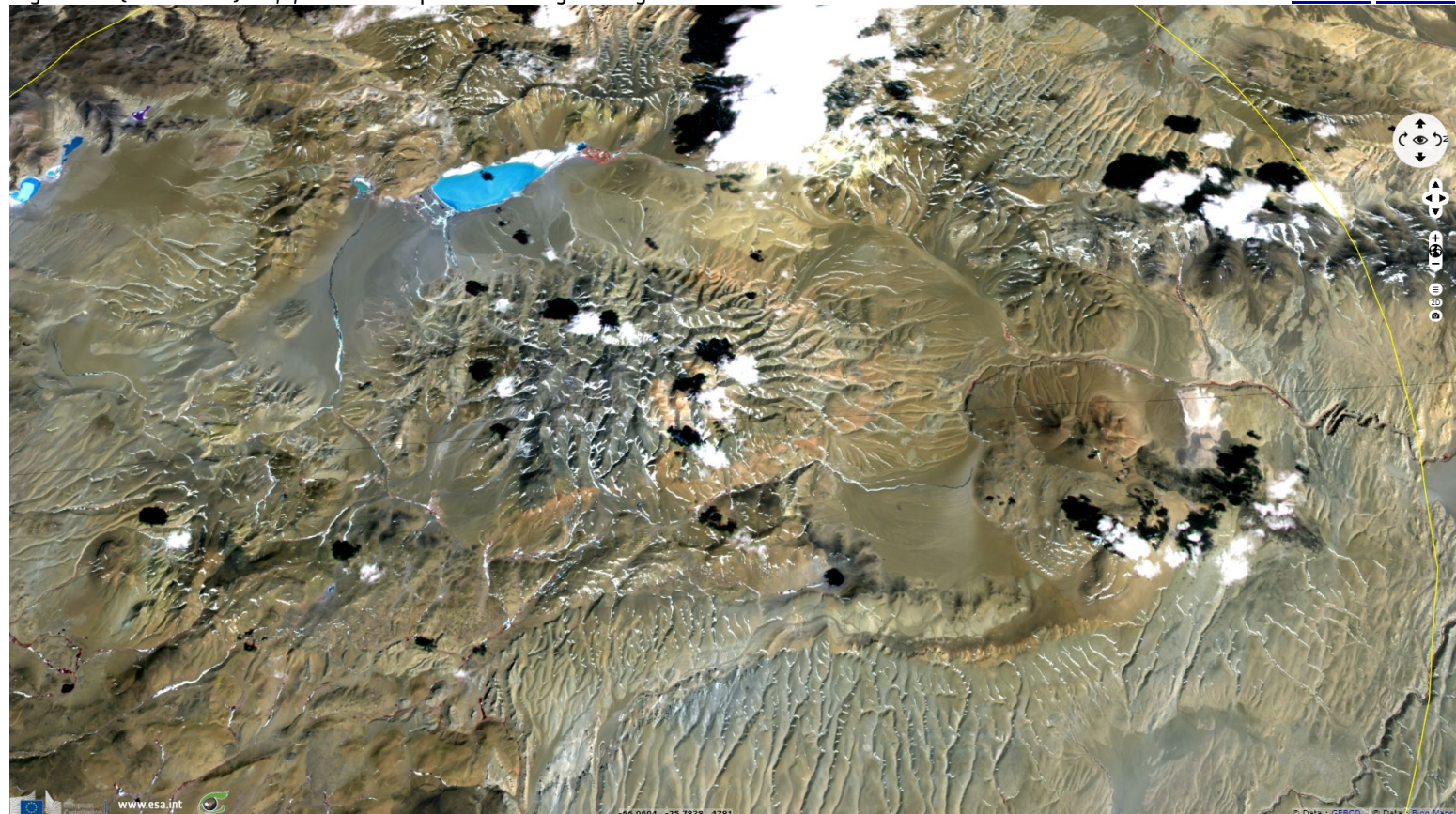


Fig. 4 - S2 (03.09.2017) - 8,4,3 colour composite - Talweg running from the lava dome are filled with ice.

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



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