

Basin & range between Sierra Nevada & Rockies

Sentinel-3 OLCI FR acquired on **08 September 2016** from 18:04:07 to 18:07:07 UTC

Sentinel-3 SLSTR RBT acquired on **14 October 2017** from 18:07:53 to 18:10:53 UTC

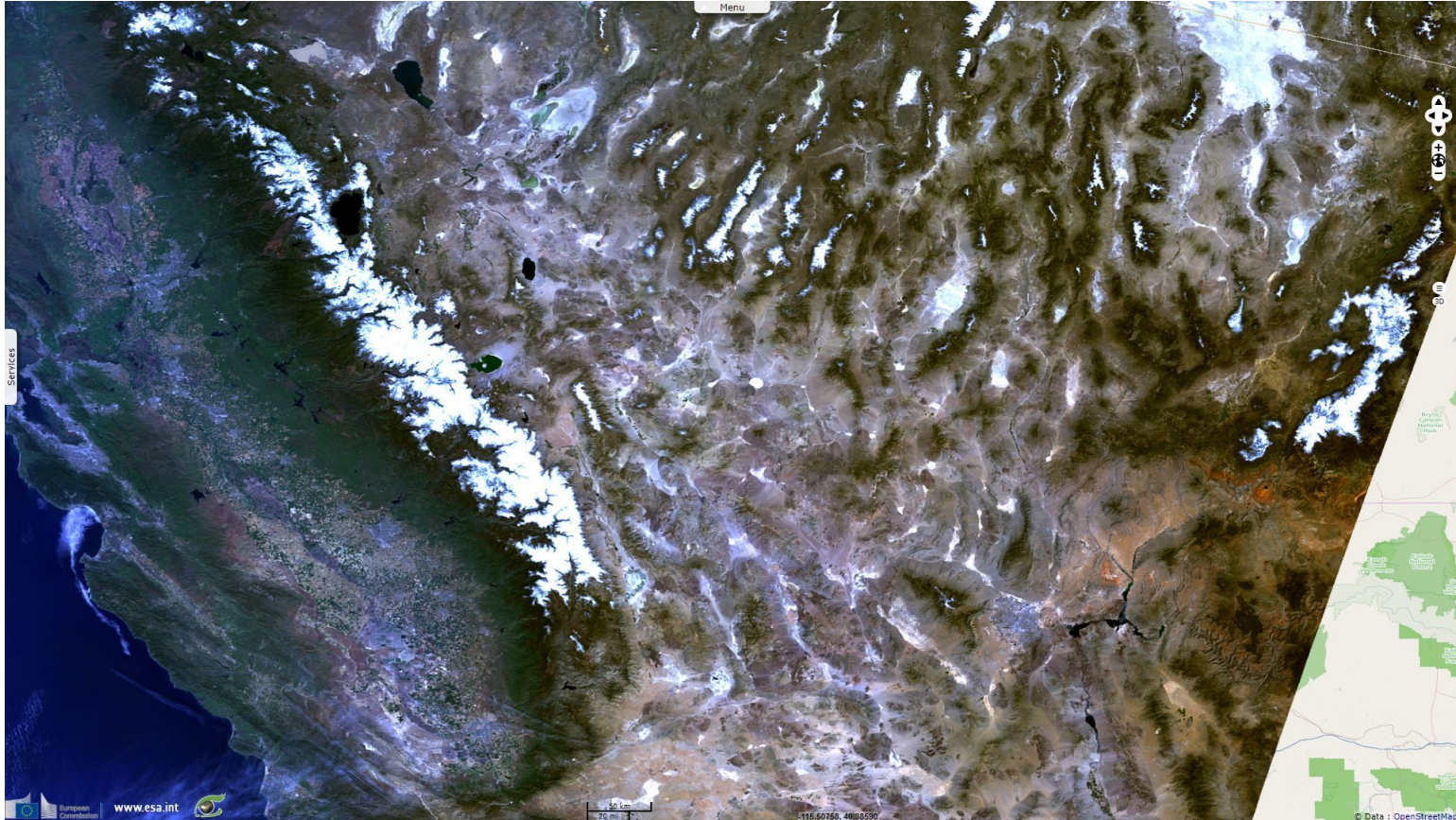
Sentinel-3 OLCI FR acquired on **21 April 2018** from 18:07:53 to 18:10:53 UTC

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Keyword(s): Land, hydrology, mountain ranges, badland, volcanoes, endorheic basins, mineral resources, lakes, erosion

[2D Layerstack](#)

Fig. 1 - S3 OLCI (21.04.2018) - 10,6,3 natural colour - Basin & range region lies between Sierra Nevada & Rocky mountains ranges. [2D view](#) [3D view](#)



Long parallel normal faults produced this series of horst & graben described by Clarence Dutton as an *"army of caterpillars marching toward Mexico"*

Fig. 2 - 08.09.2016 - Narrow faulted mountain chains alternance with parallel flat arid valleys produces strong topographic variations [3D view](#) [2D view](#)

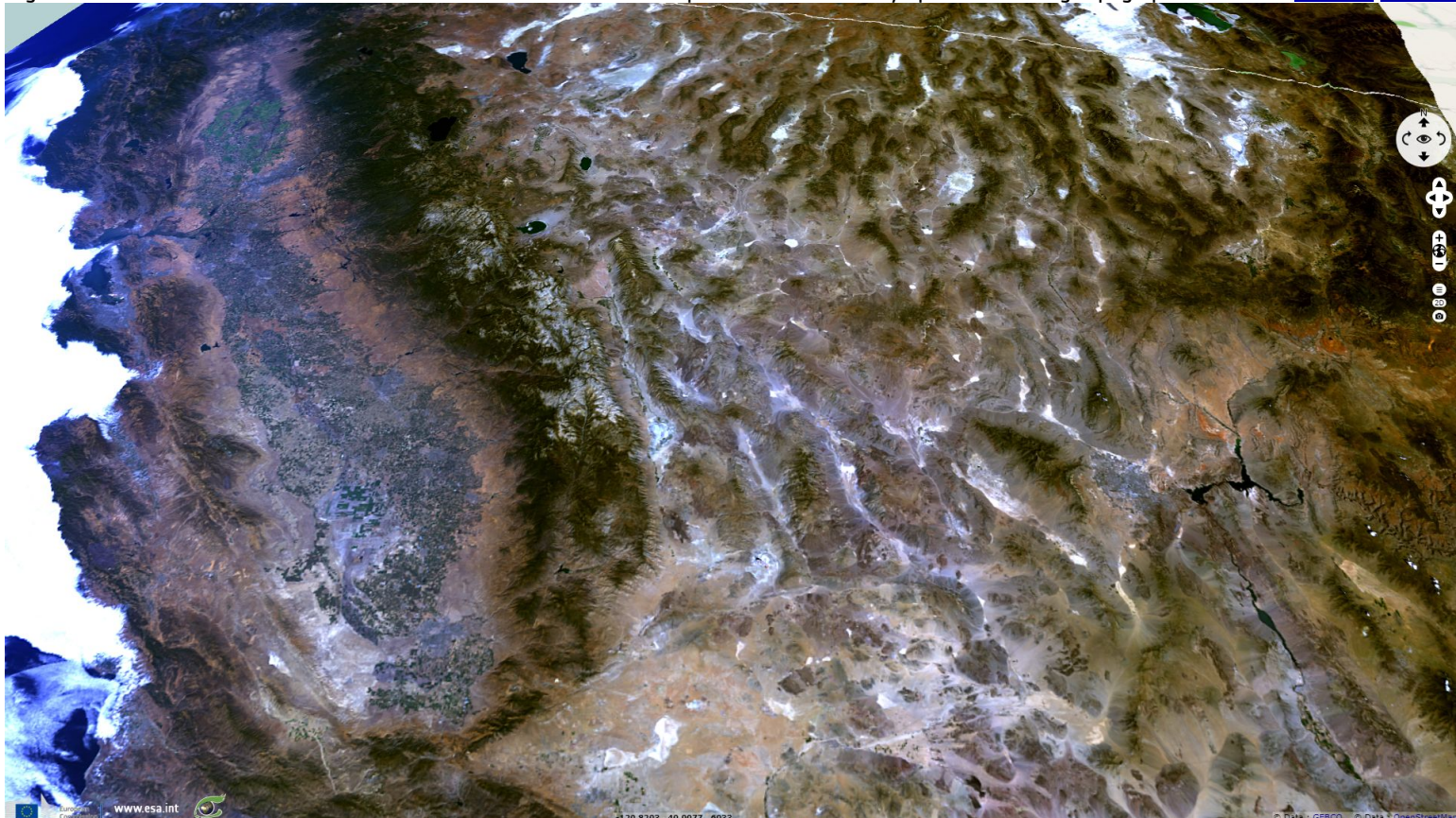


Fig. 3 - 08.09.2016 - ndi(17,8) - Normalized Difference Vegetation Index highlights its aridity compared to Sierra Nevada & Rockies. [3D view](#) [2D view](#)

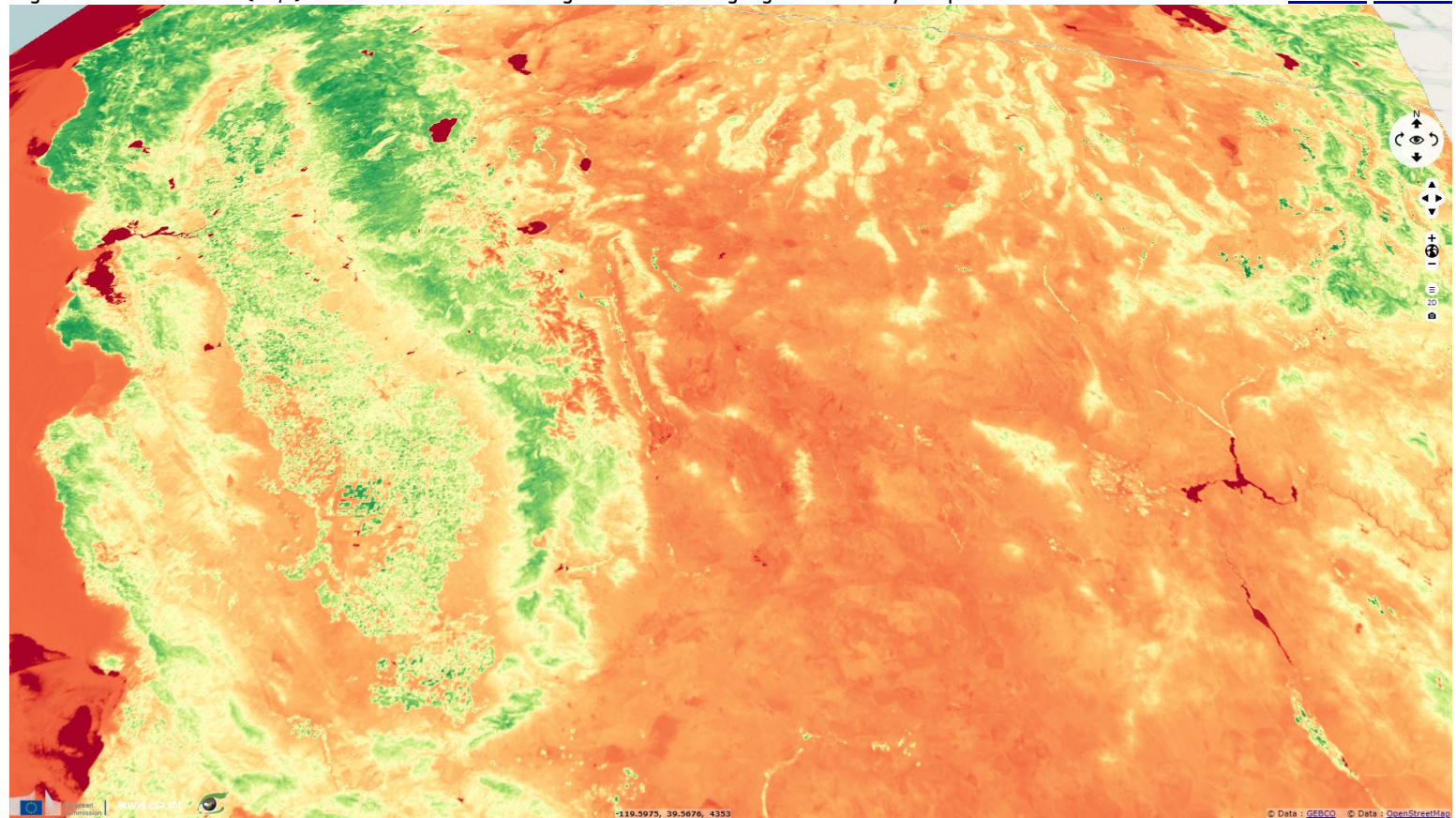
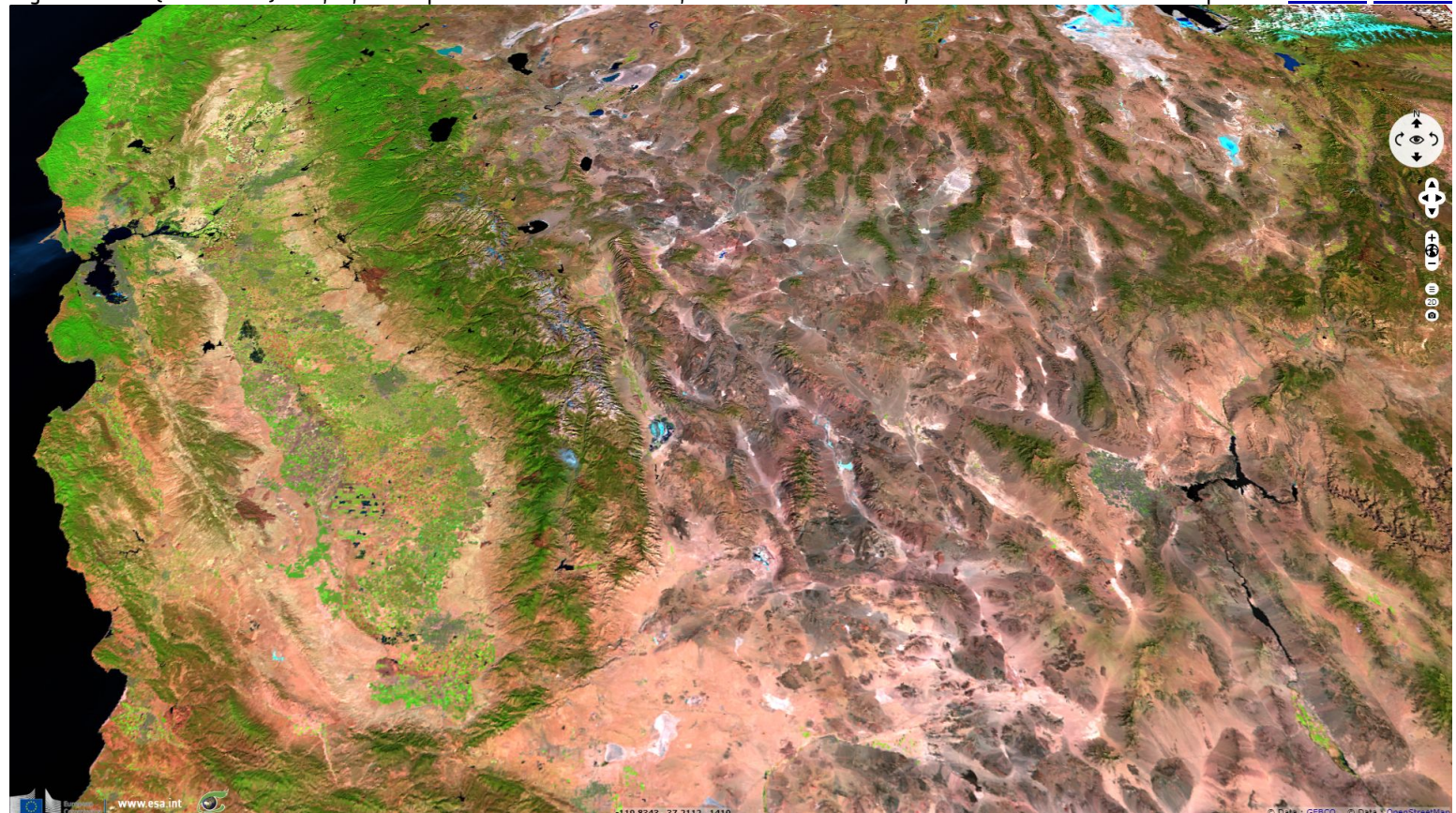


Fig. 4 - SLSTR (14.10.2017) - S5,S3,S2 composite - Sit in rain shadow, it iss rich in volcanoes, endorheic basins & mineral deposits. [3D view](#) [2D view](#)



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