

Low clouds blanket the North-American Pacific coast

Sentinel-3 OLCI FR & SLSTR RBT acquired on 07 August 2019 from 17:10:28 to 19:43:55 UTC

Sentinel-3 SLSTR RBT acquired on 08 August 2019 from 06:02:22 to 06:11:22 UTC

Sentinel-3 OLCI FR acquired on 08 August 2019 from 17:42:45 to 19:20:44 UTC

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

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[2D Layerstack](#)

Fig. 1 - S3 OLCI (07.08.2019 pm) - 10,6,3- The N.-American Pacific coast is susceptible to cloud coverage along thousands of km. [2D view](#) [3D view](#)

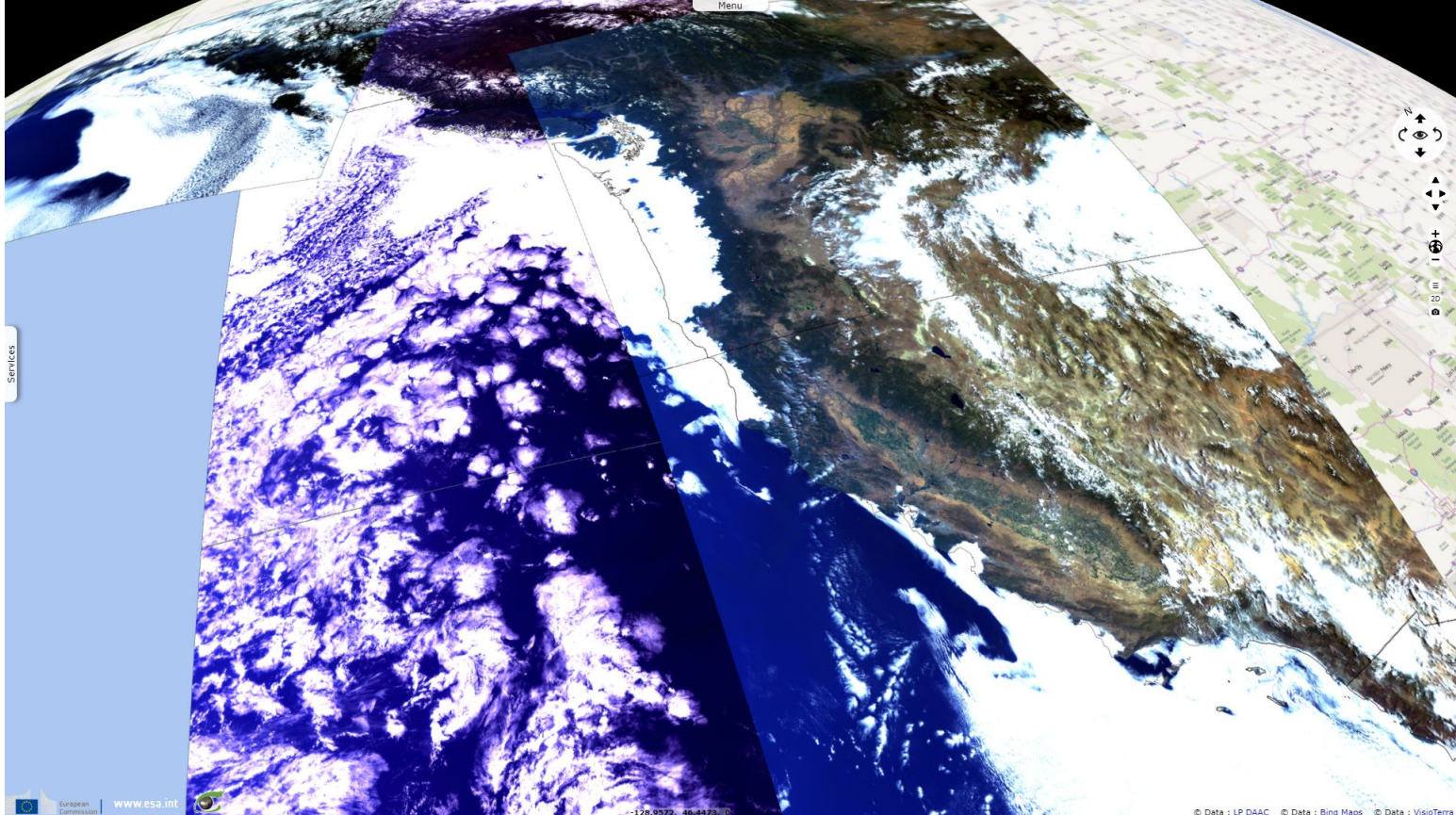
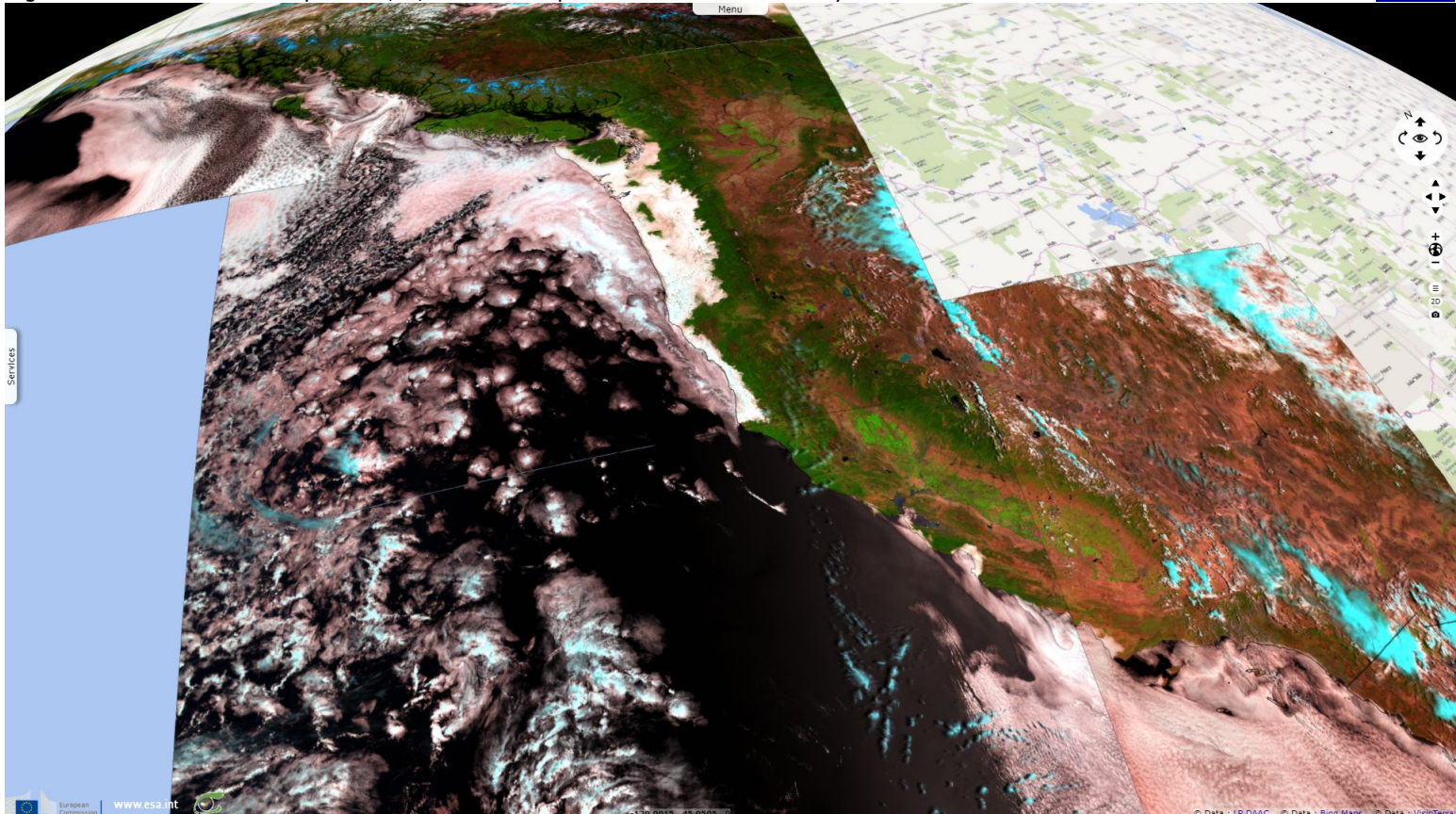


Fig. 2 - S3 SLSTR (07.08.2019 pm) - S5,S3,S2 colour composite - Clouds are blocked by the North-American cordillera coastal chain. [3D view](#)



Due to orography, precipitations are much higher on the narrow western side of the coastal chain than in the leeward side lying in the rain shadow.

Fig. 3 - S3 SLSTR (08.08.2019 am) - S8 thermal band - Hours later, some clouds entered deeper inland up to higher Cascade mountains.

[3D view](#)

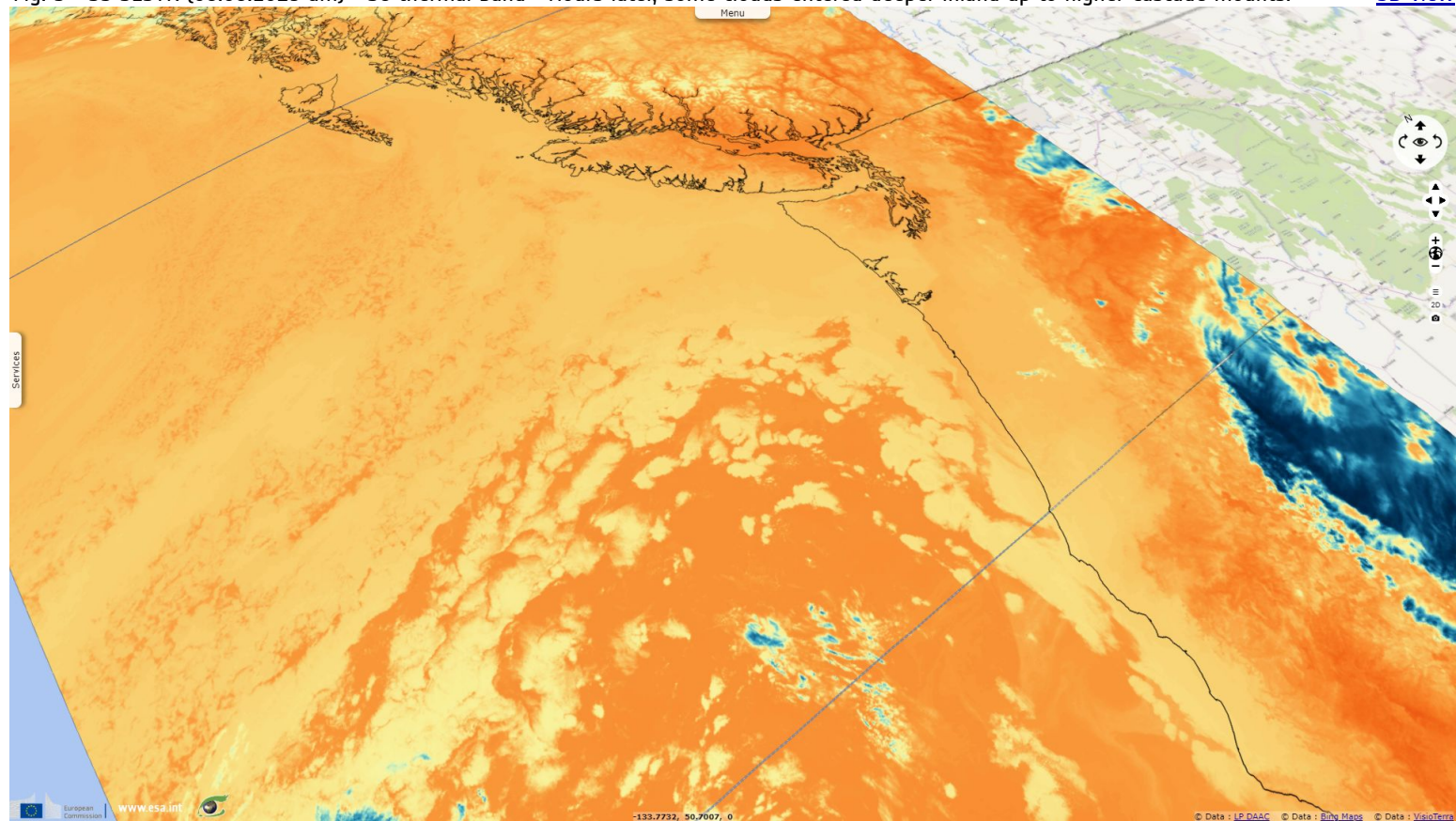
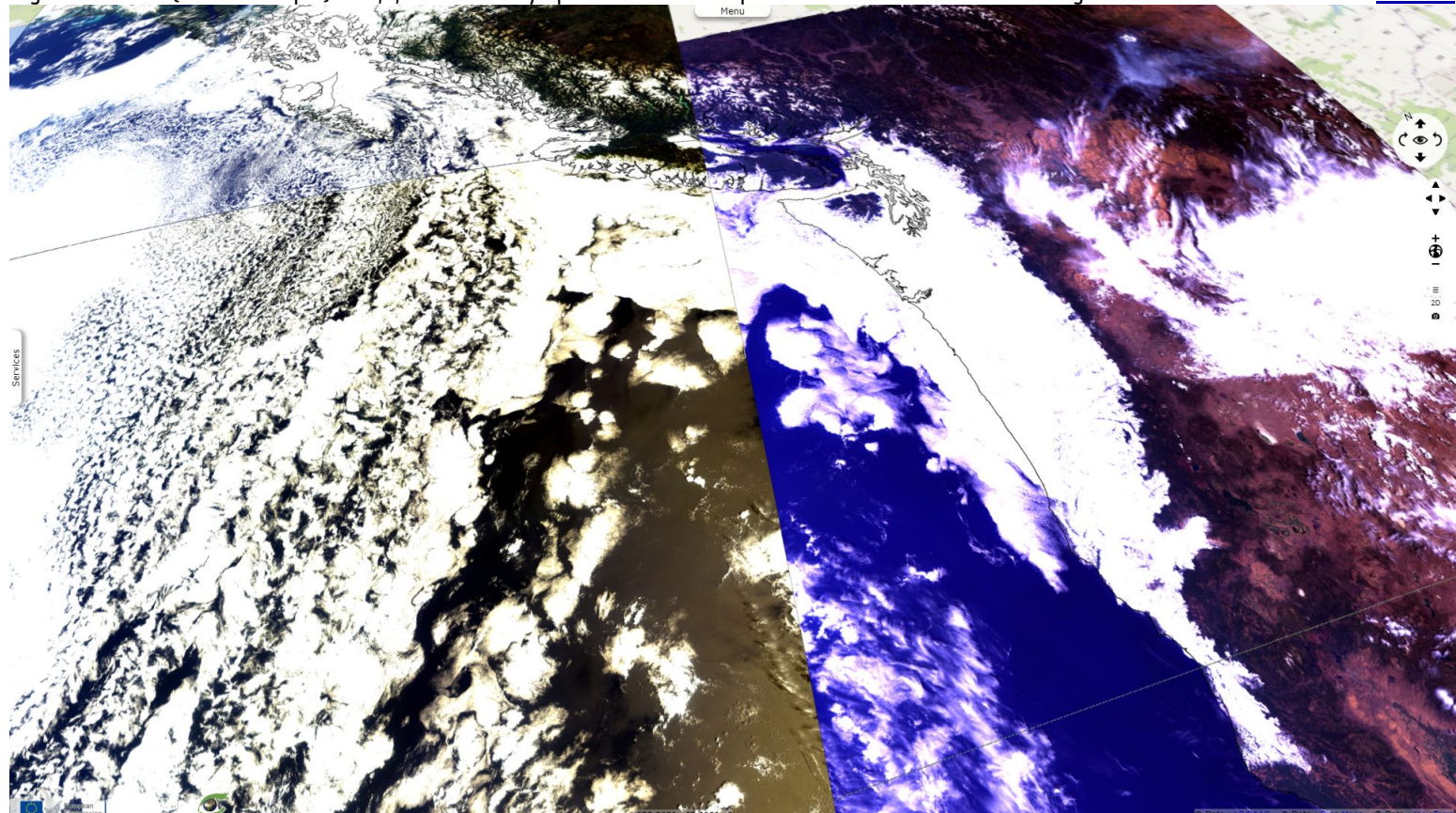














Fig. 4 - S3 OLCI (08.08.2019 pm) - 10,6,3 natural - Olympic mountains and part of Vancouver Island still emerge from the sea of clouds.

[3D view](#)



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