



Appalachians range from green to brown, USA

Sentinel-3 OLCI FR & SLSTR RBT acquired from 06 October 2020 on 15:40:09 to 07 October 2020 on 15:56:29 UTC

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Sentinel-3 OLCI FR & SLSTR RBT acquired from 14 October 2020 on 15:32:42 to 17 October 2020 on 15:58:09 UTC

Sentinel-3 OLCI FR & SLSTR RBT acquired from 03 November 2020 on 15:53:28 to 04 November 2020 on 15:30:17 UTC

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

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[2D Layerstack](#)

Fig. 1 - S3 SLSTR (06 & 07.10.2020) - The Appalachian Mountains are a system of mountains in eastern North America.

[2D view](#)

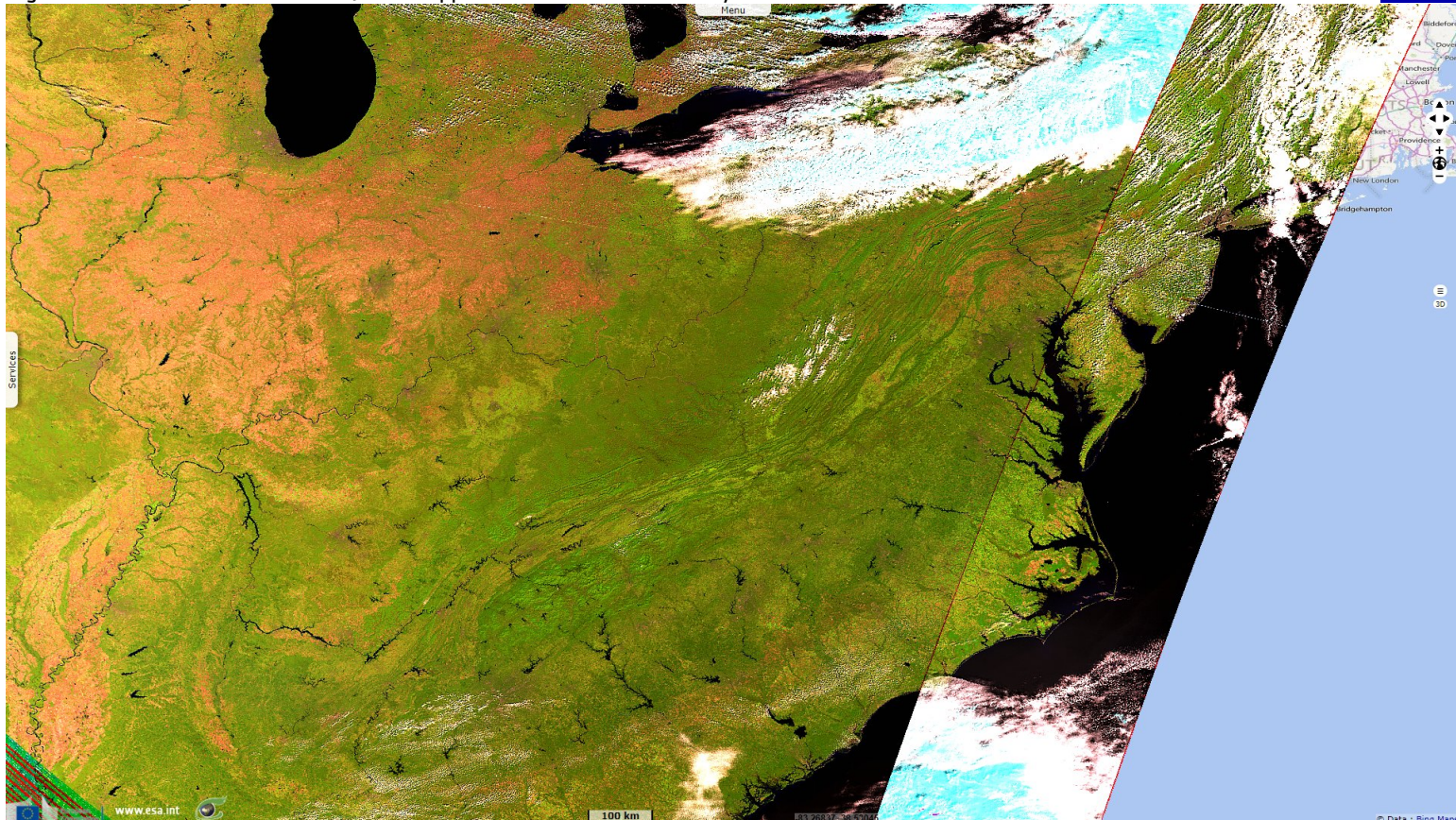


Fig. 2 - S3 SLSTR (14 & 17.10.2020) - 1500 km long, the central & southern range runs from New-York state at NE to Alabama at SW.

[2D view](#)

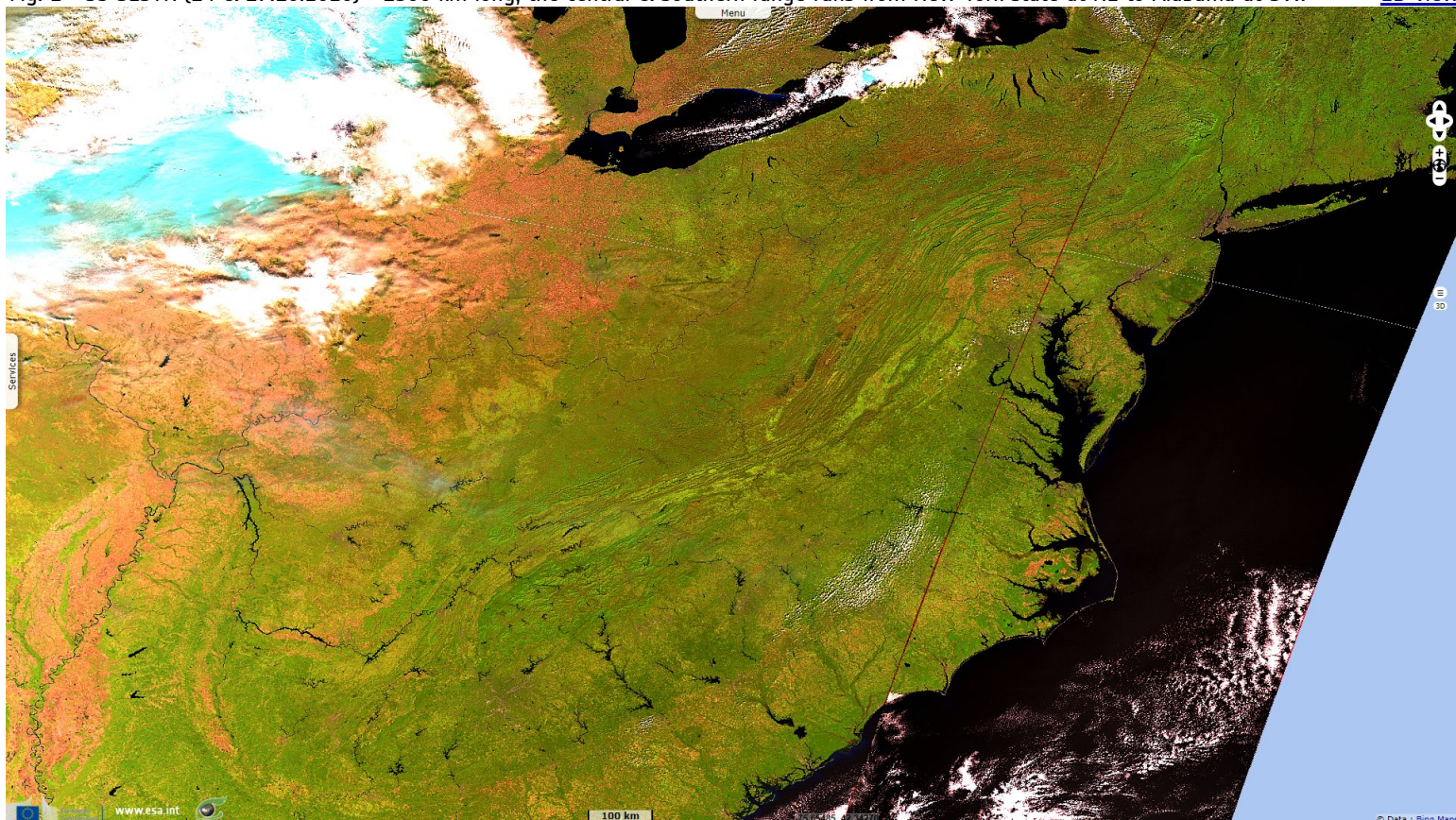
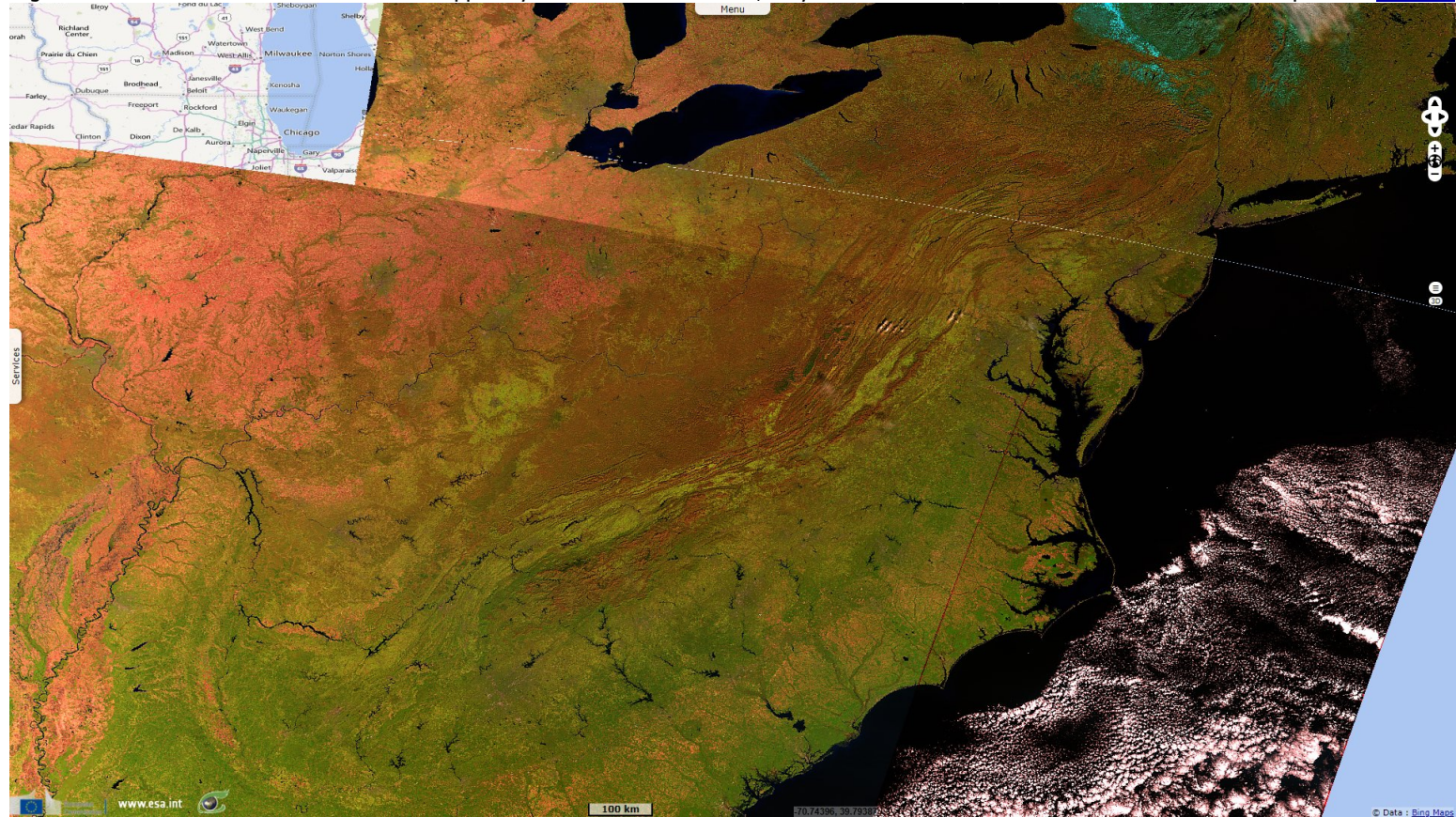


Fig. 3 - S3 SLSTR (03 & 04.11.2020) - Now topped by the 2037m Mt Mitchell, they once reached elevations similar to those of the Alps. [2D view](#)



The Appalachians first formed roughly 480 million years ago during the Ordovician Period. Then the most important orogeny phase (Alleghanian orogeny) saw NW Africa and Laurussia collide 325 million to 260 million years ago during the formation of Pangea forming mountains roughly parallel to the coast.

Fig. 4 - S3 OLCI (06 & 07.10.2020) - After experiencing natural erosion, what is left now forms long parallel ridges. [2D view](#)

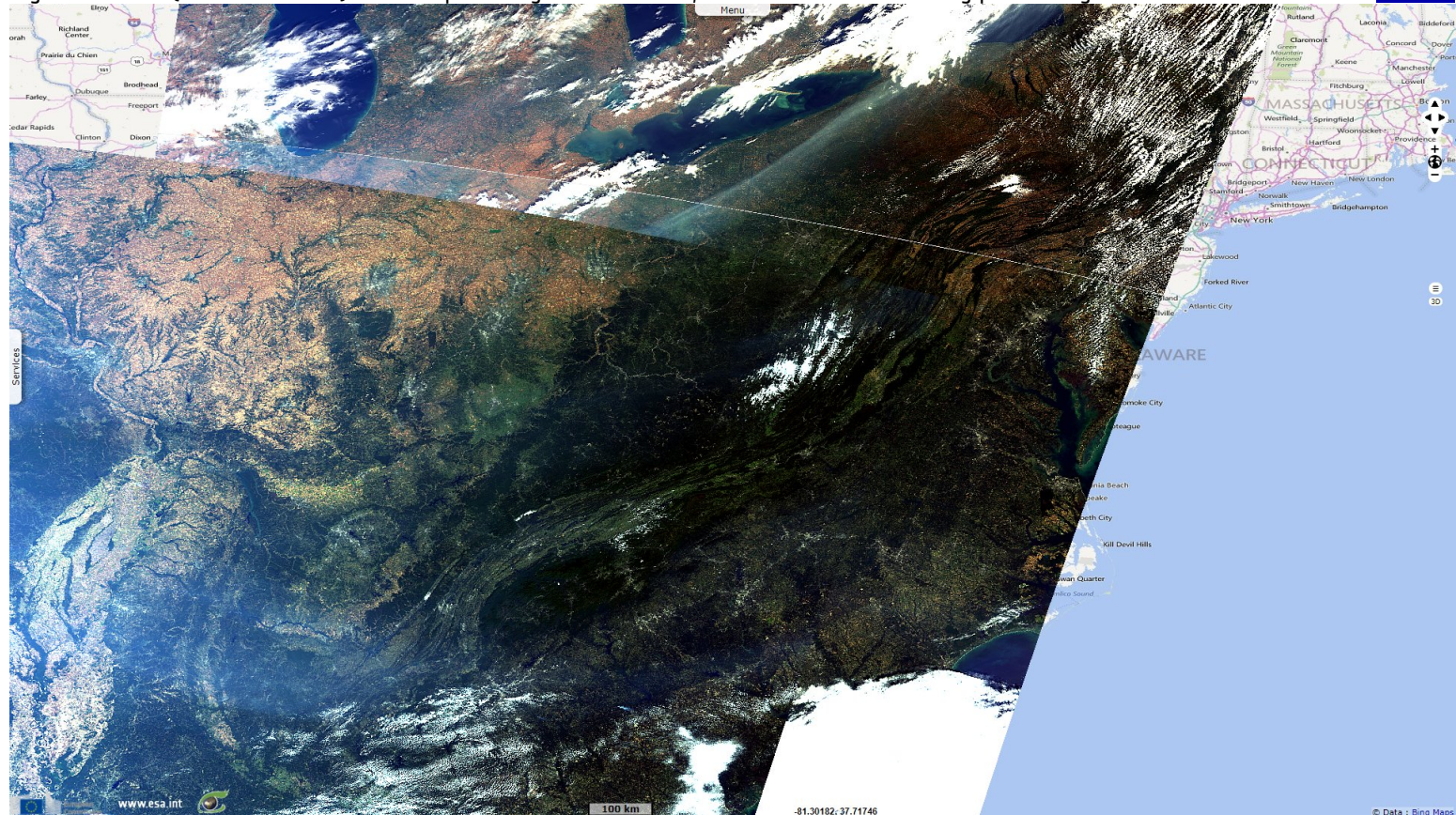


Fig. 5 - S3 OLCI (14 & 17.10.2020) - The Appalachians form a series of alternating ridgelines & valleys opposing east-west travel.

[2D view](#)

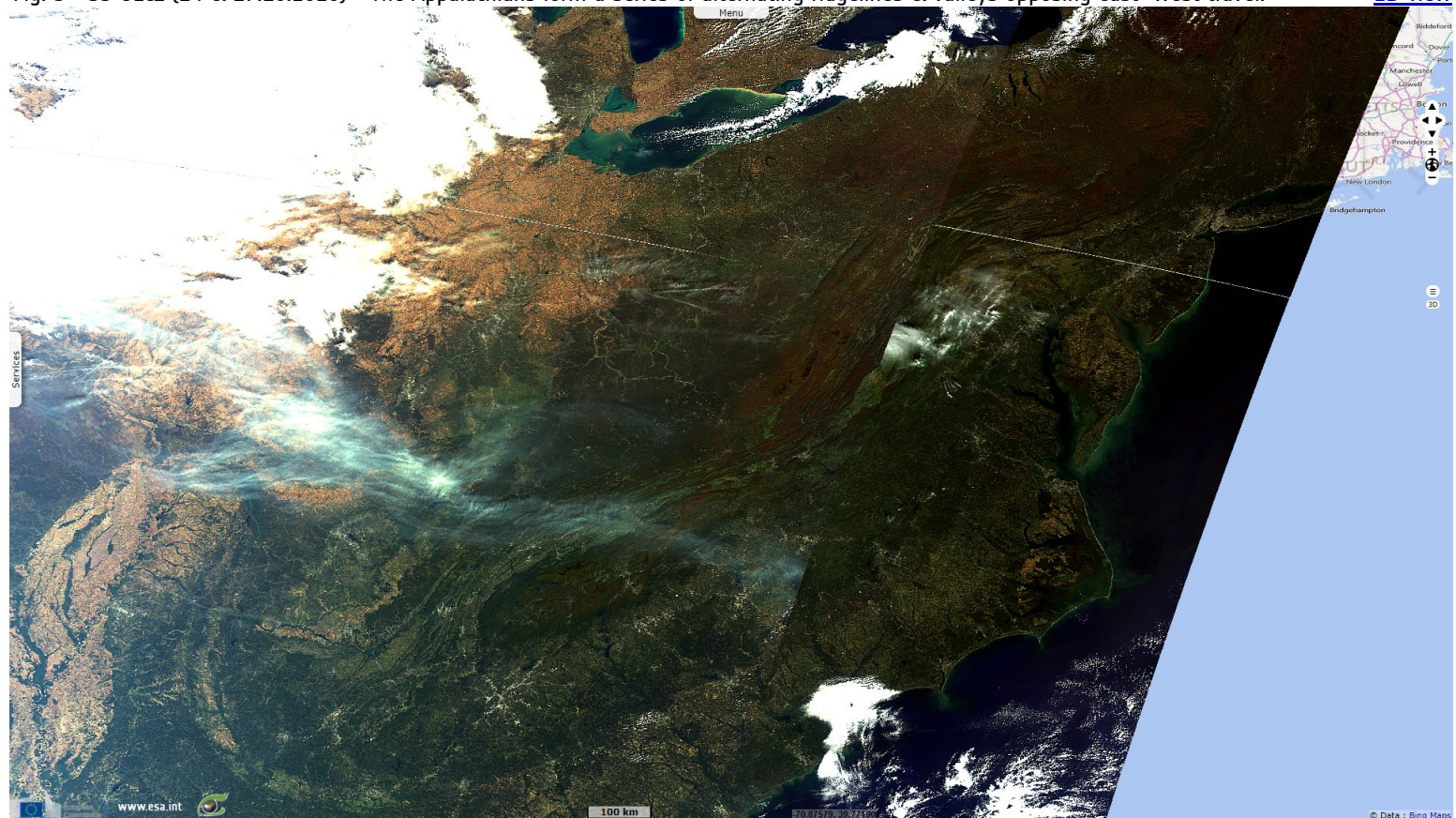
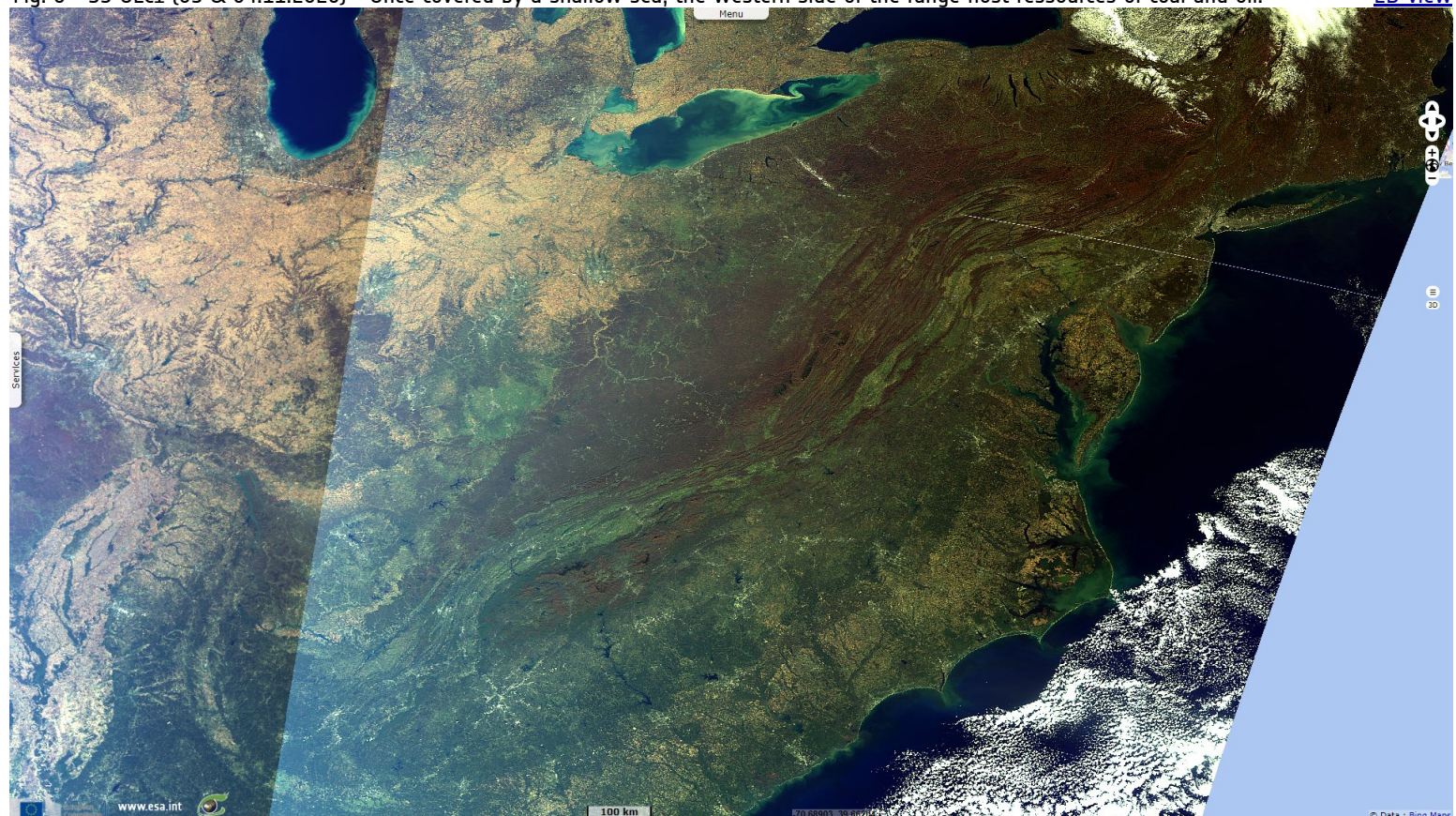


Fig. 6 - S3 OLCI (03 & 04.11.2020) - Once covered by a shallow sea, the western side of the range host resources of coal and oil.

[2D view](#)



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