

# Easterlies-powered Transatlantic sandstorm

Sentinel-3 OLCI RR acquired on 17 June 2020 from 10:37:59 to 12:18:58 UTC

Sentinel-5P TROPOMI AER\_AI acquired on 17 June 2020 from 14:32:27 to 16:17:27 UTC

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Sentinel-5P TROPOMI AER\_AI acquired on 23 June 2020 at 12:38:25 to 19:23:25 UTC

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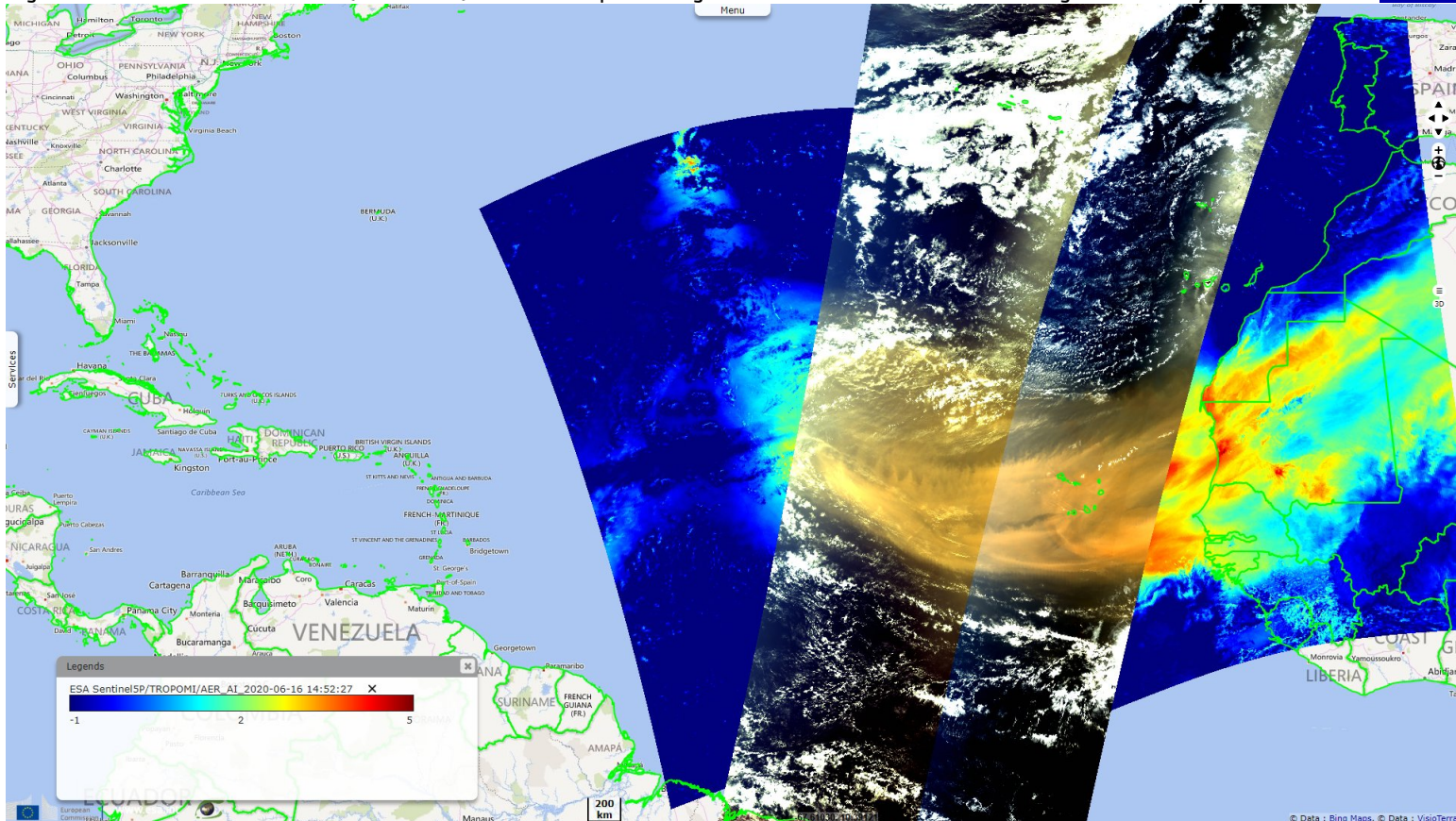
Keyword(s): Atmosphere, storm, Atlantic Ocean, Sahara desert, Caribbeans, Antilles



2D Layerstack

Fig. 1 - S3 OLCI & S-5P TROPOMI (18.06.2020) - The OLCI optical images & Sentinel-5P aerosol data show good continuity.

2D view



Notice the laminar-turbulent transition on the northern edge & a von Karman vortex street starting west of Cape Verde.

Fig. 2 - S3 OLCI & S-5P TROPOMI (19.06.2020) - The trade winds blow the fine Sahara sand across the Atlantic Ocean.

2D view

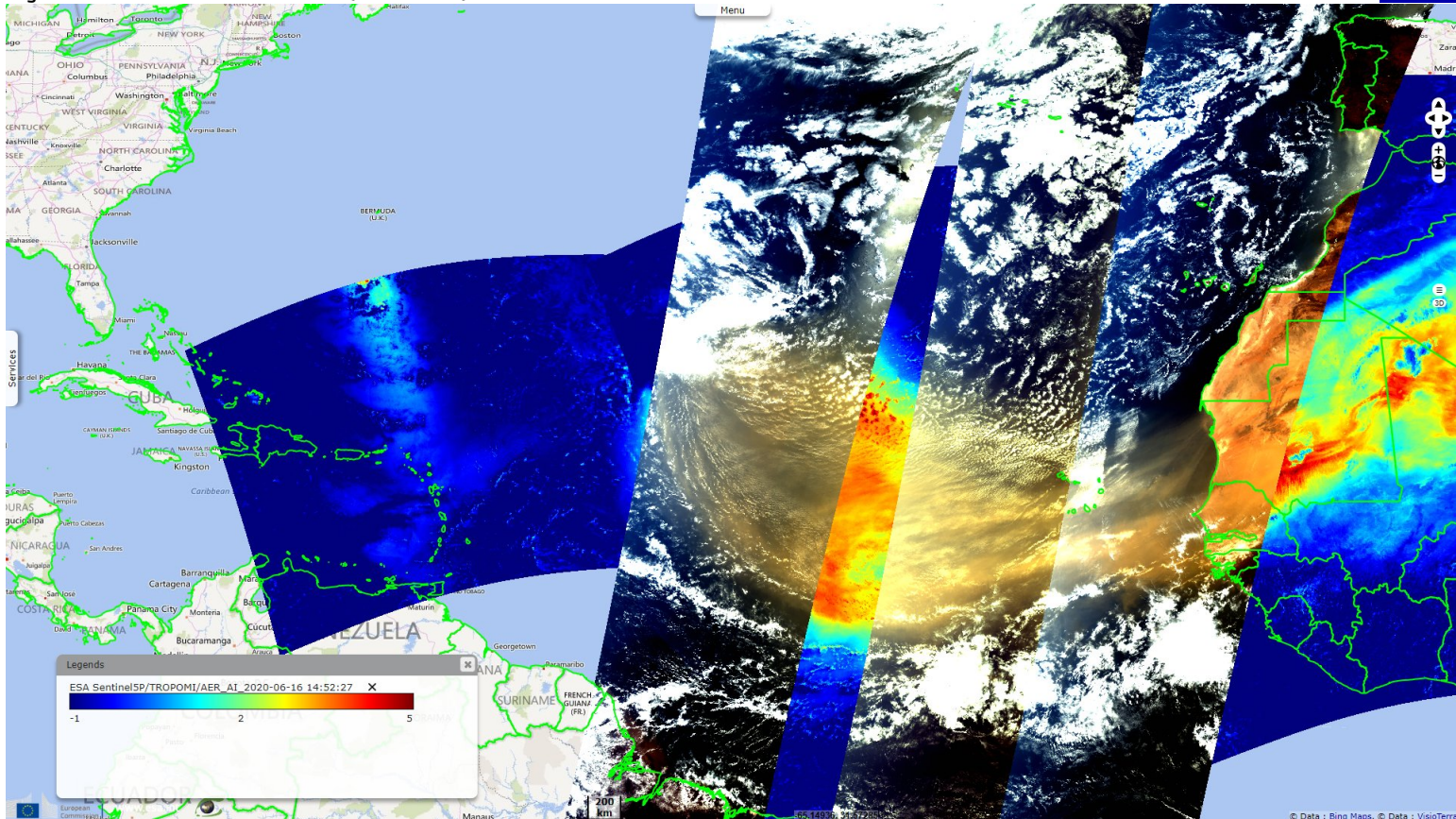


Fig. 3 - S3 OLCI & 5-5P TROPOMI (20.06.2020) - The coverage of TROPOMI and both OLCI instruments allows a good assessment of this event. [2D view](#)

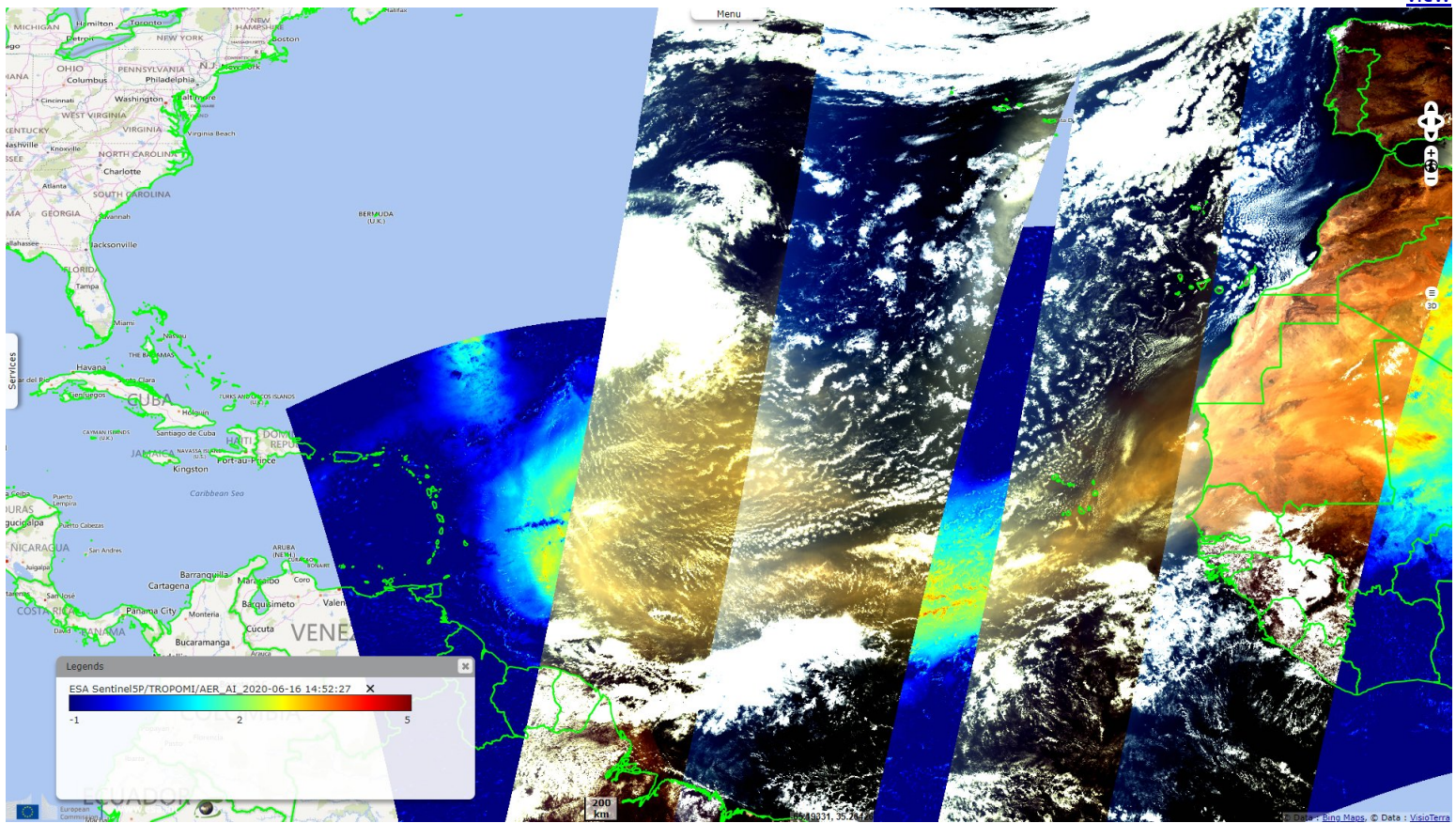


Fig. 4 - S3 OLCI & 5-5P TROPOMI (21.06.2020) - Powerful wind can cause a degradation of the topsoil. [2D view](#)

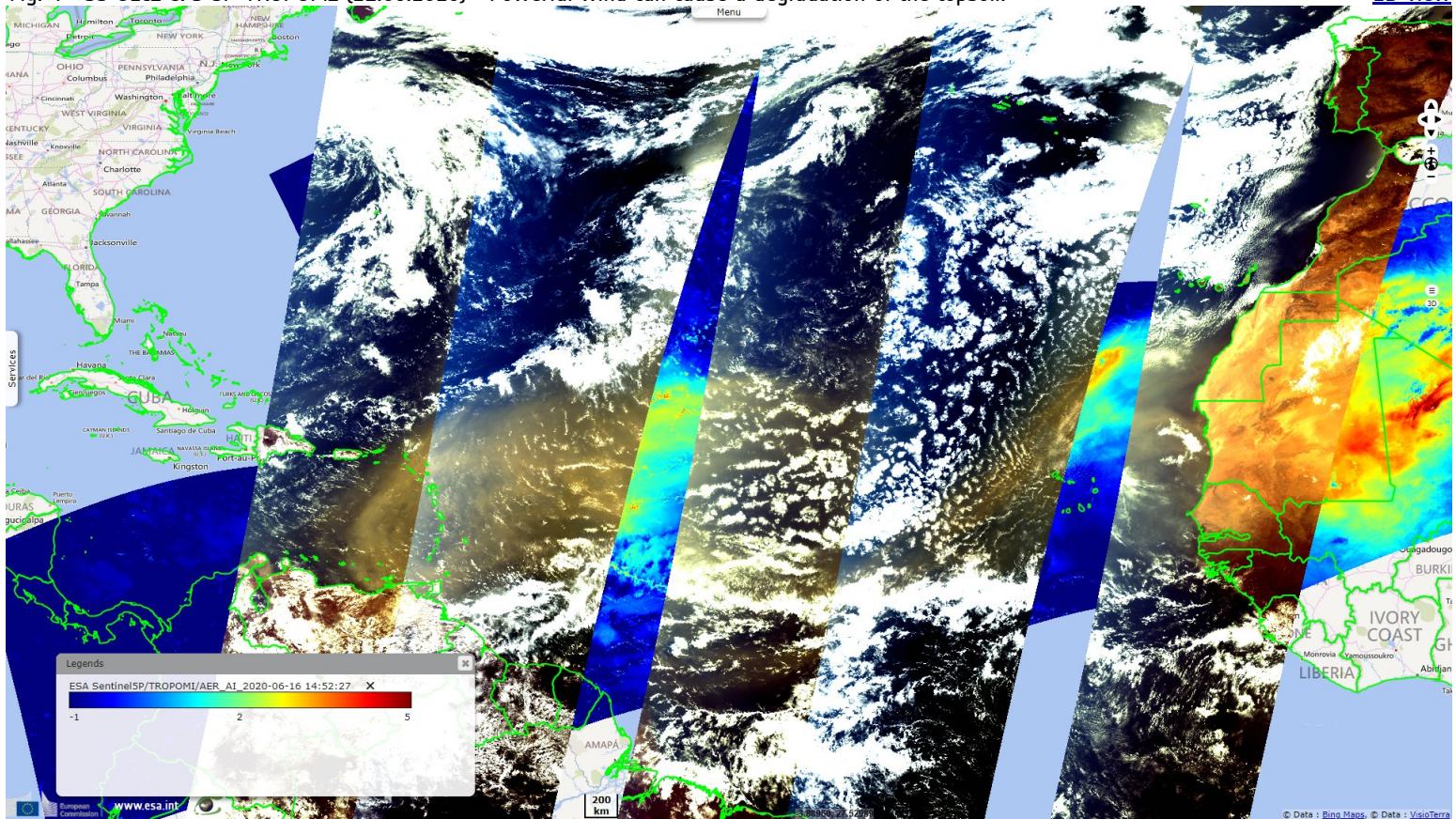


Fig. 5 - S3 OLCI & S-5P TROPOMI (22.06.2020) - The Lesser Antilles were reached on 22 June 2020.

2D view

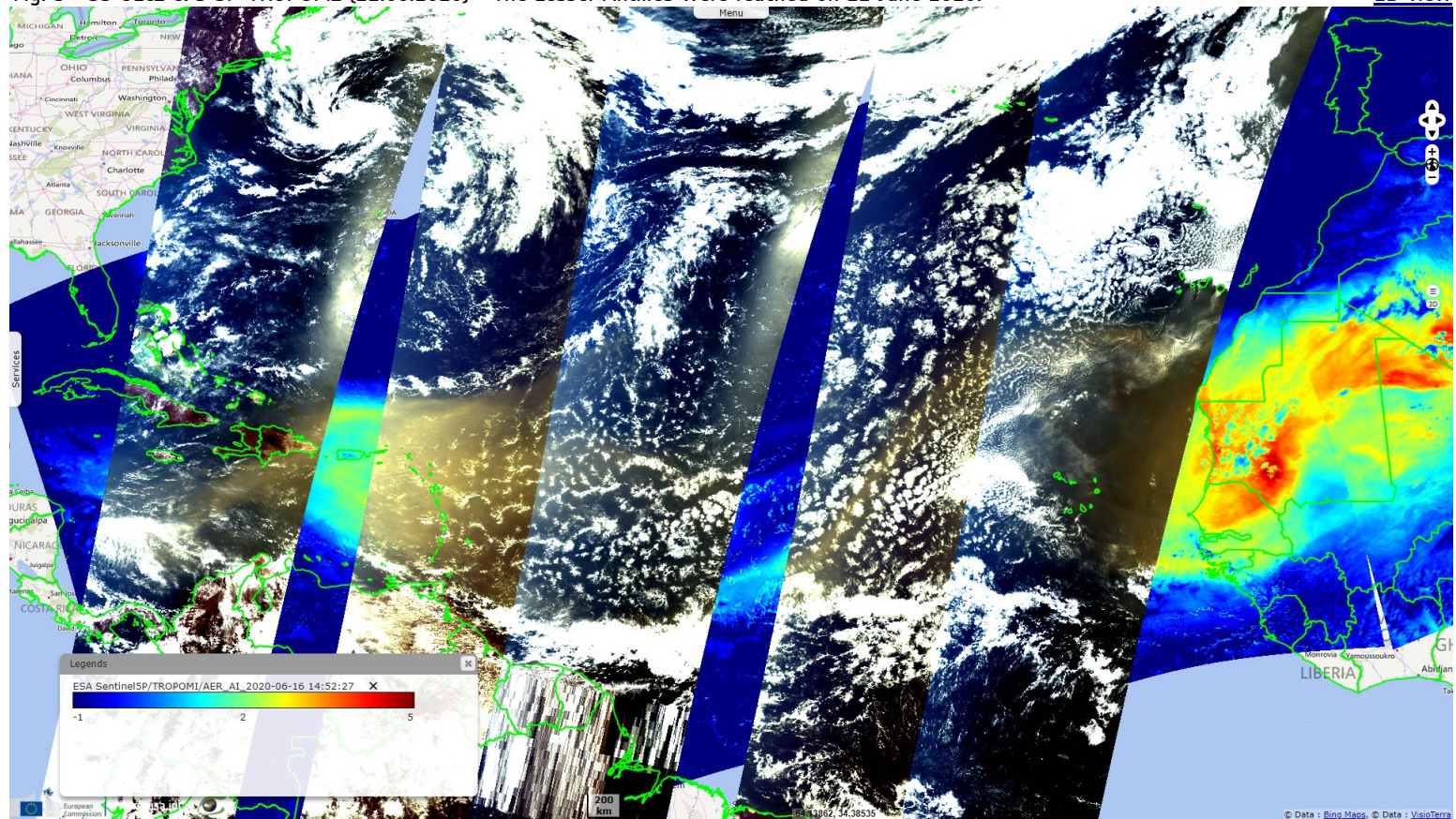
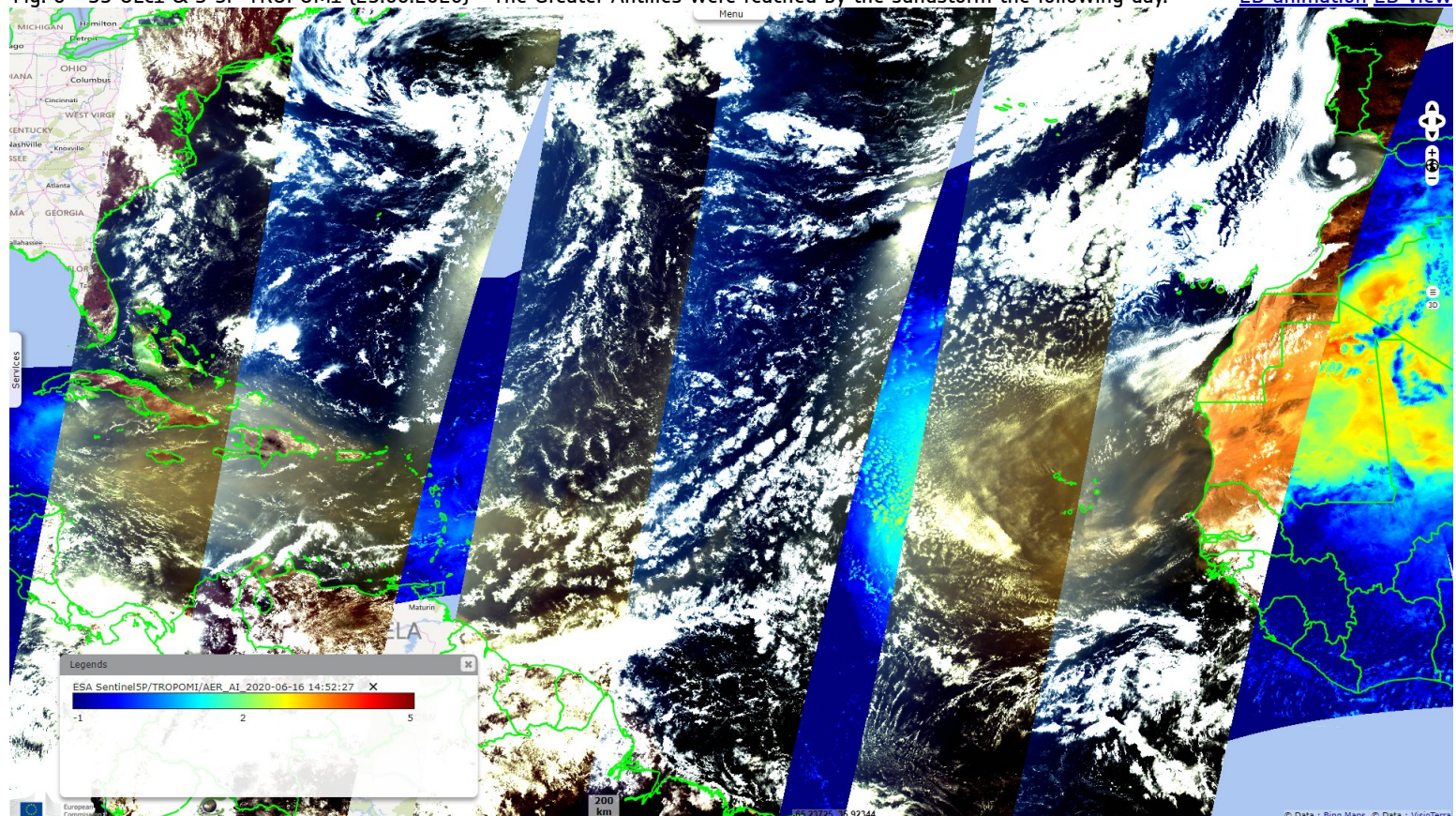


Fig. 6 - S3 OLCI & S-5P TROPOMI (23.06.2020) - The Greater Antilles were reached by the sandstorm the following day.

2D animation 2D view



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