

# Northernmost settlement in Canada beats heat record

Sentinel-3 SLSTR RBT acquired on 15 July 2019 at 18:29:45 UTC

Sentinel-1 CSAR EW acquired on 17 July 2019 at 11:50:54 UTC

Sentinel-3 SLSTR RBT acquired on 17 July 2019 at 15:59:24 UTC

Sentinel-3 SLSTR RBT acquired on 18 July 2019 at 01:19:45 UTC

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Keyword(s): Polar, coastal, cryosphere, weather, climate change, global warming, ice melt, coastal, ice floe, ice pack, Canada, Greenland



[3D Layerstack](#)

Fig. 1 - S3 SLSTR (17.07.2019) - S8 thermal band - Alert, Nunavut, Canada is the northernmost permanently inhabited region on the planet. [3D view](#)

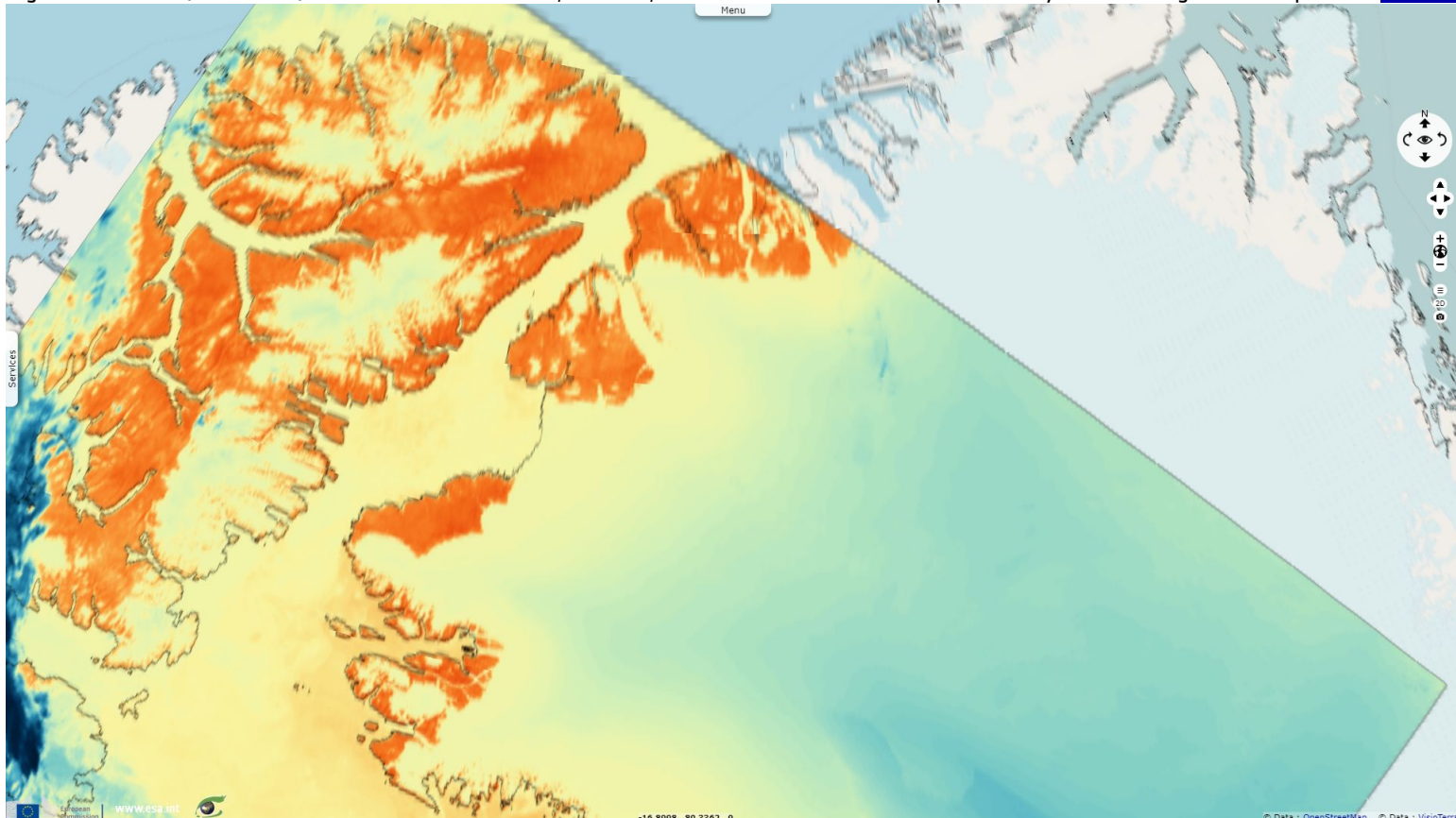


Fig. 2 - S3 SLSTR (17.07.2019) - S6,S5,S2 colour composite - On July 14 2019, Alert recorded a temperature of 21°C, beating its 1956 record. [3D view](#)

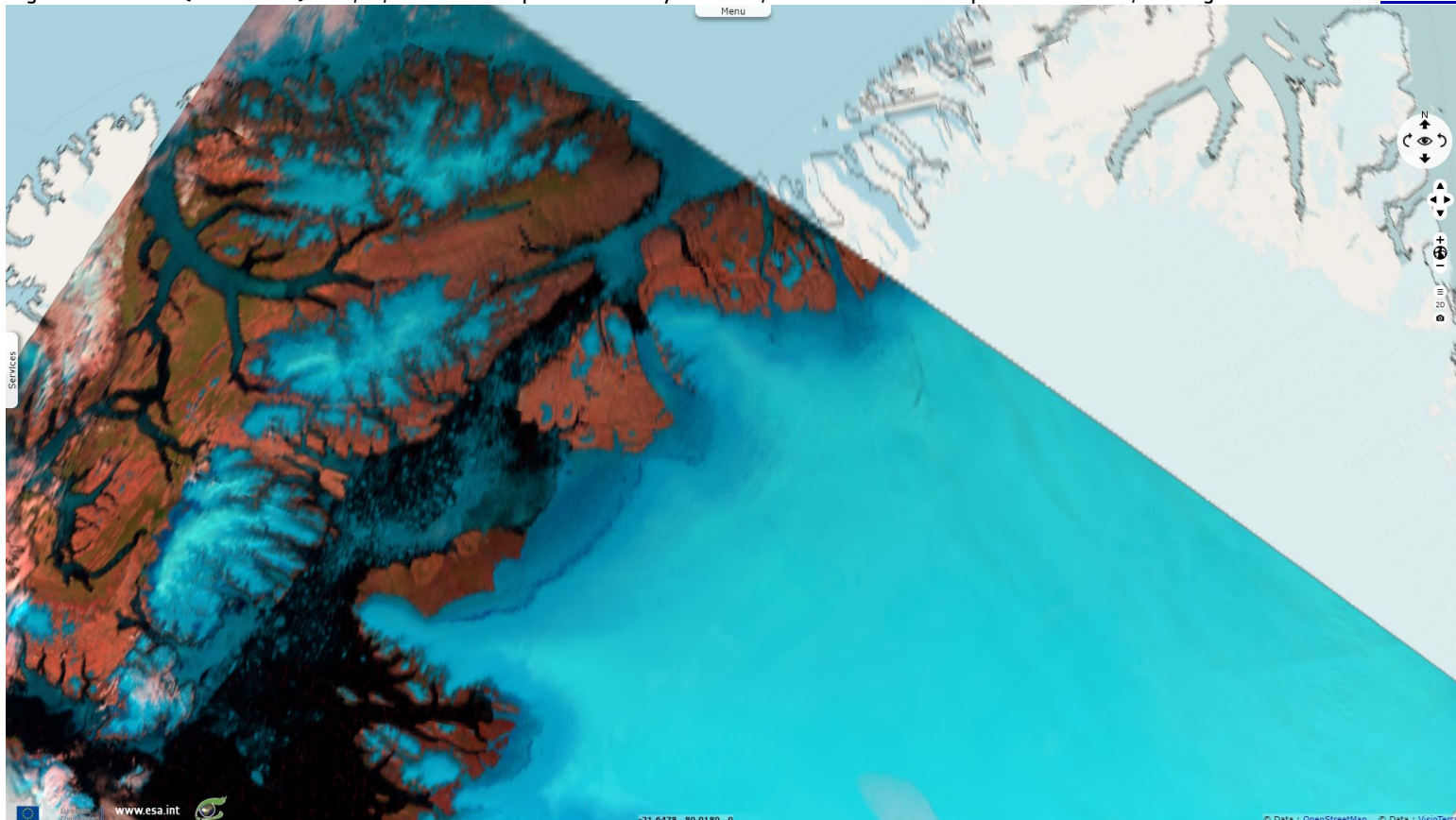


Fig. 3 - S3 SLSTR (18.07.2019) - S6,S5,S2 colour composite - July daily highs are typically 5-6°C for this region, with nighttime lows of 0-1°C [3D view](#)

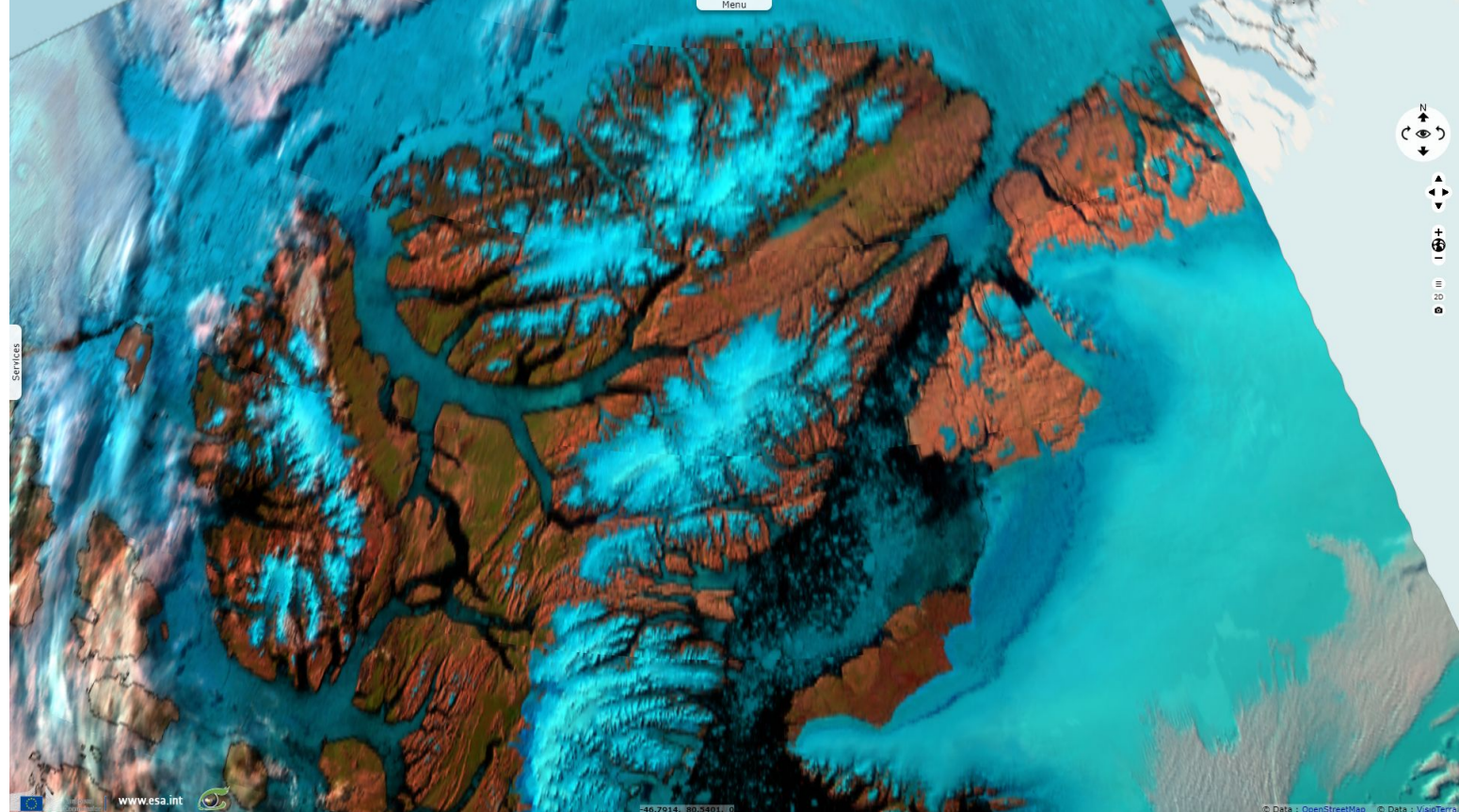


Fig. 4 - S1 (17.07.2019) - vv,vh,vv colour composite - Alert nightly min topped 15°C for the first time. [3D view](#)

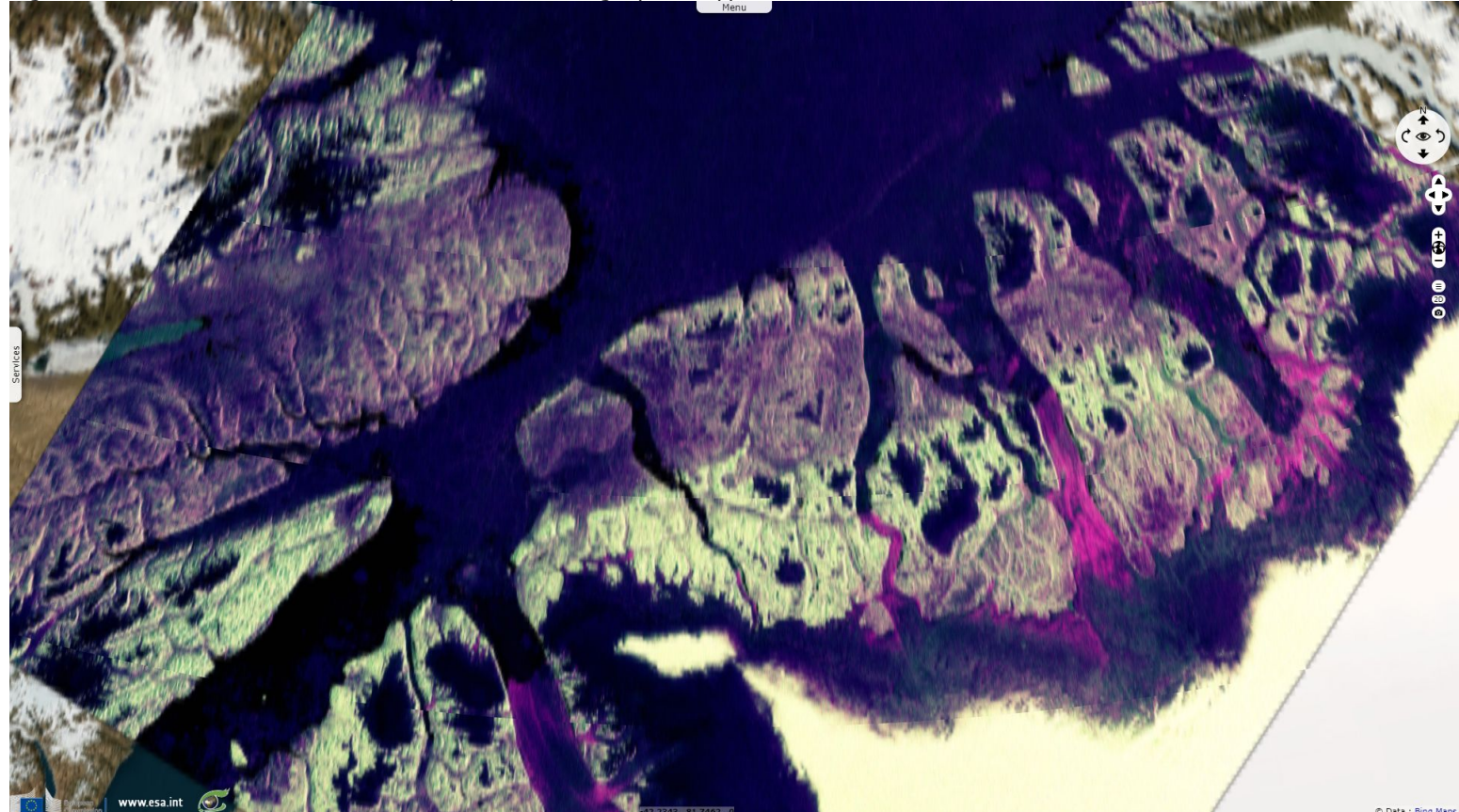


Fig. 5 - S3 SLSTR (15.07.2019) - S8 thermal band - Daily max temperature also reached 20°C the following day (on 15 July 2019). [3D view](#)



It was the first time a temperature warmer than 20° has been measured north of 80° on the planet.

*The views expressed herein can in no way be taken to reflect the official opinion of the European Space Agency or the European Union.  
Contains modified Copernicus Sentinel data 2019, processed by VisioTerra.*

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