

B46 Iceberg calves from Pine Island Glacier

Sentinel-1 CSAR EW acquired on **22 October 2018** at 04:11:41 UTC
Sentinel-1 CSAR EW acquired on **28 October 2018** at 04:10:59 UTC
Sentinel-1 CSAR EW acquired on **03 November 2018** at 04:11:41 UTC
Sentinel-1 CSAR EW acquired on **09 November 2018** at 04:10:59 UTC

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[3D Layerstack](#)

Fig. 1 - S1 EW (22.10.2018) - hh polarisation with colour map - Pine Island Bay, snow & open sea show in dark blue, rough ice in red.

[3D view](#)

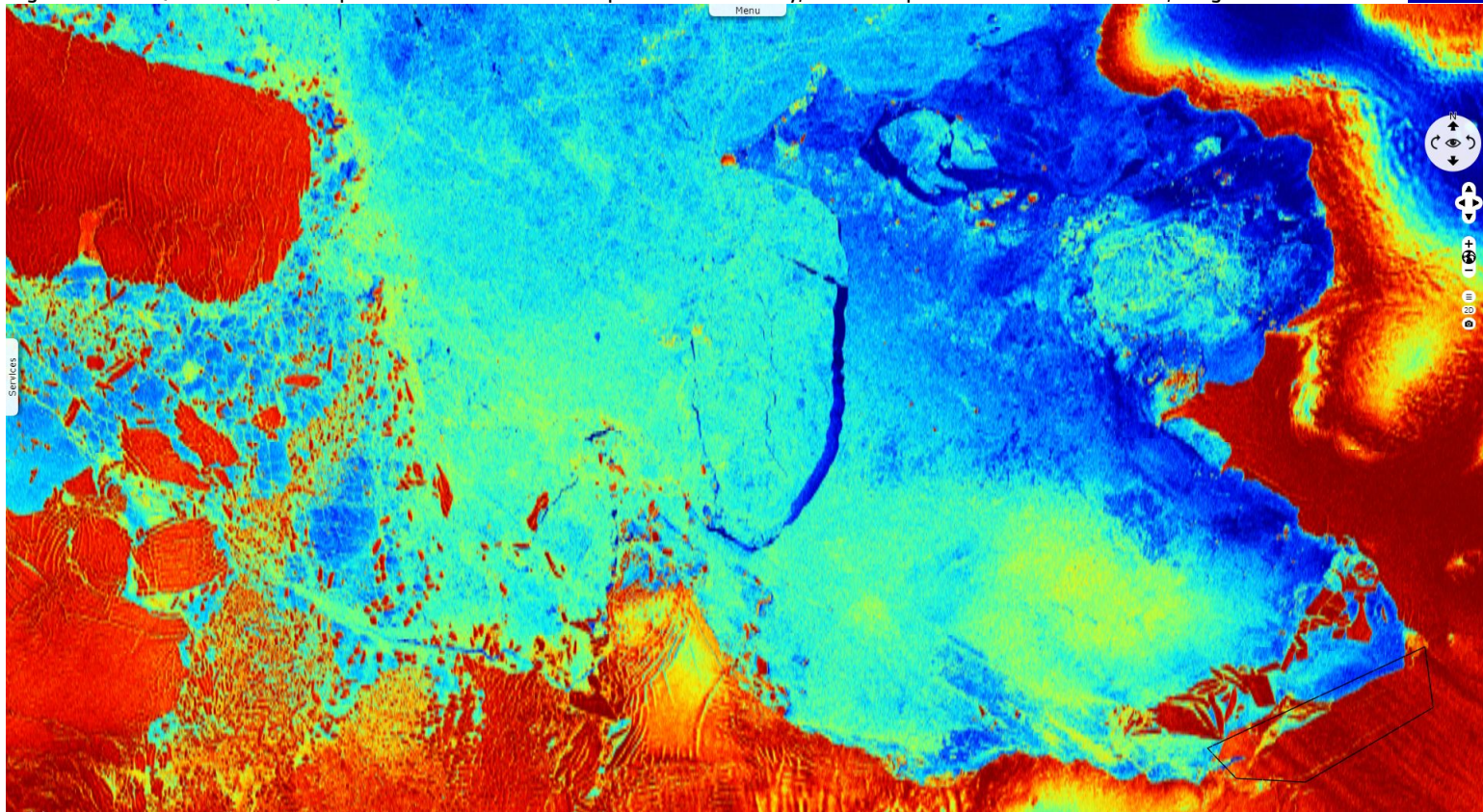


Fig. 2 - South-east of fig.1, zoom in on Pine Island glacier. Last year, the 267 km² B44 had already calved.

[3D view](#)

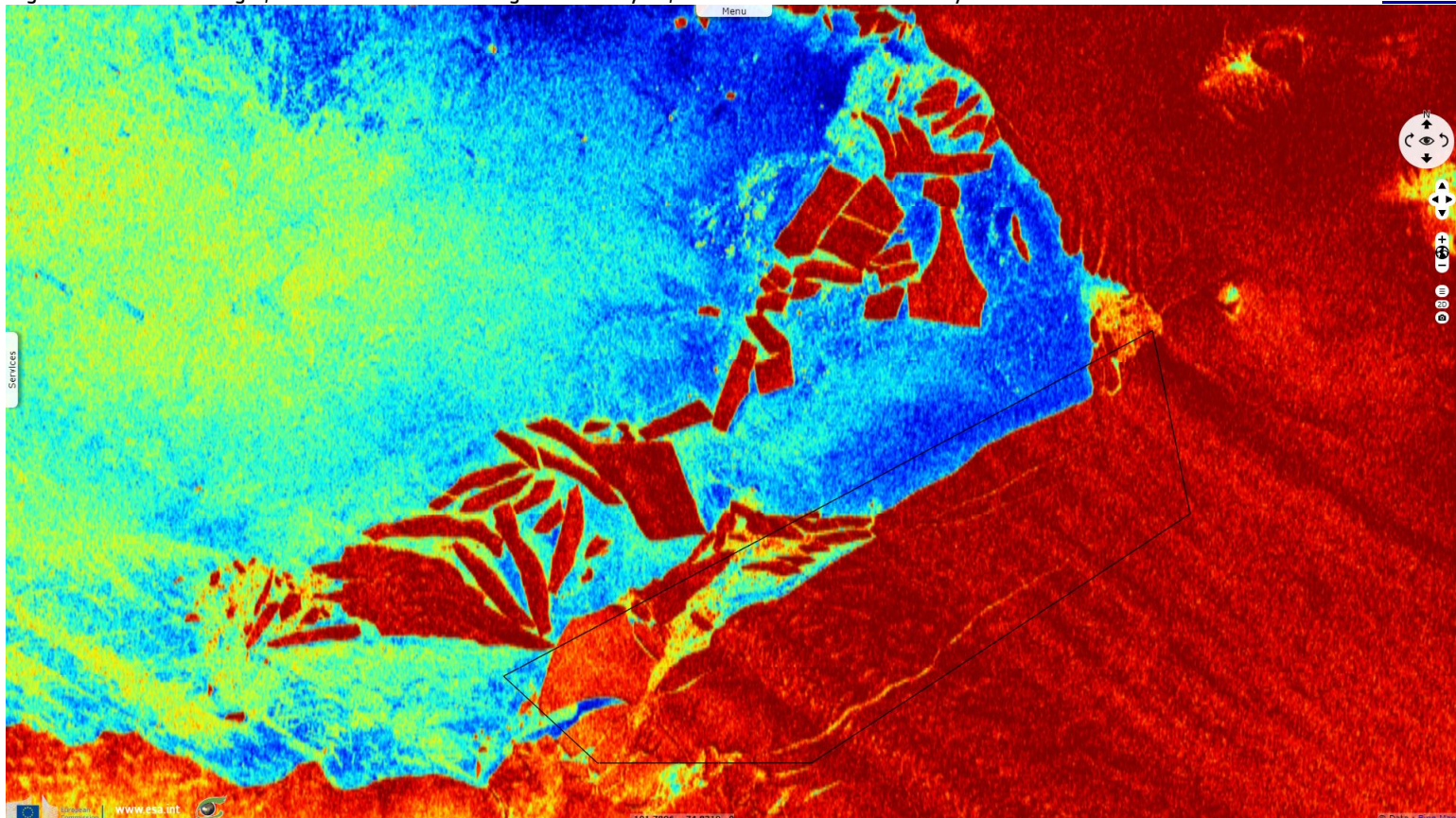


Fig. 3 - 28.10.2018 - The 300 km² B46 iceberg was to calve hours later, it soon broke into smaller pieces.

[3D view](#)

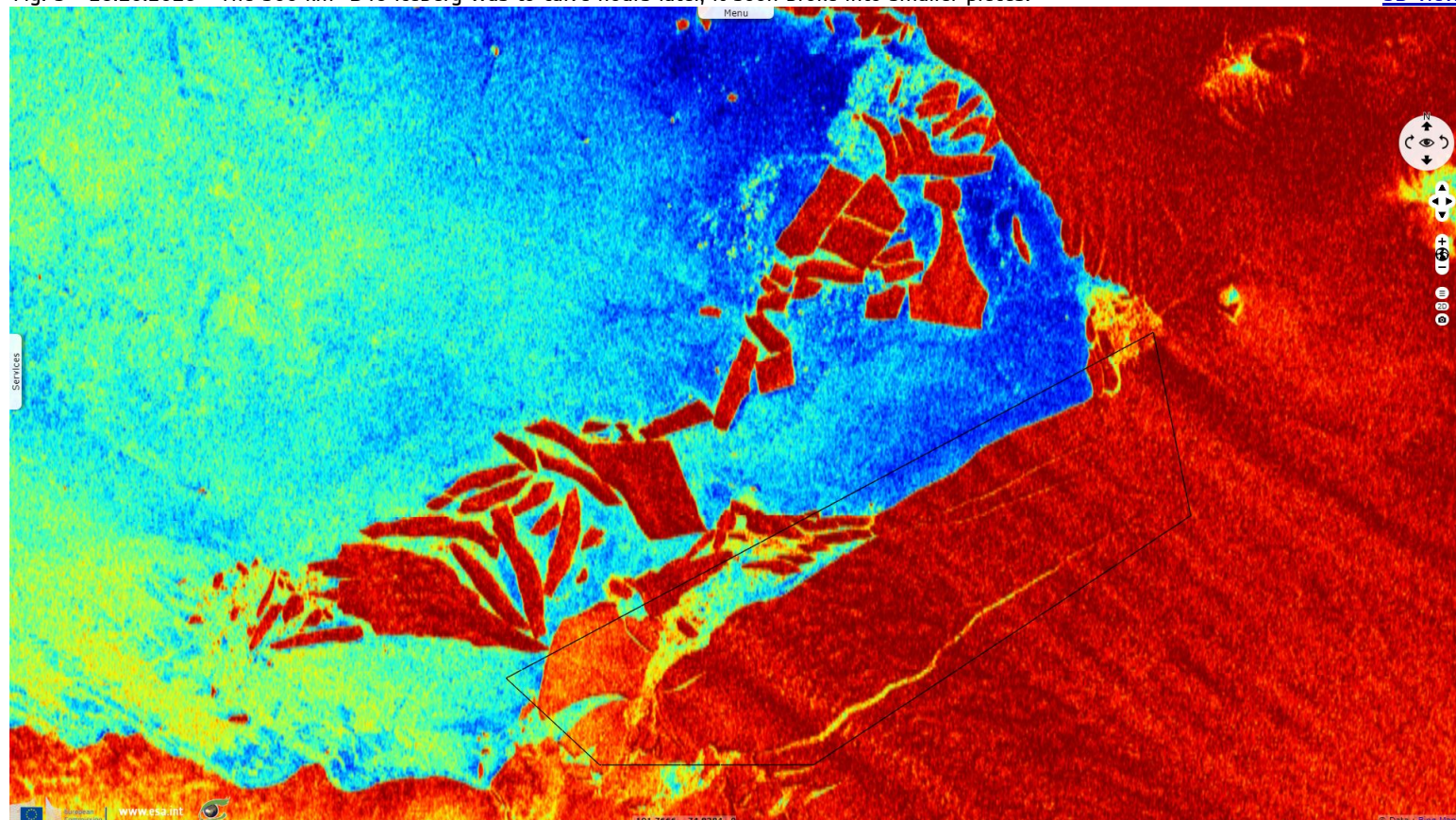
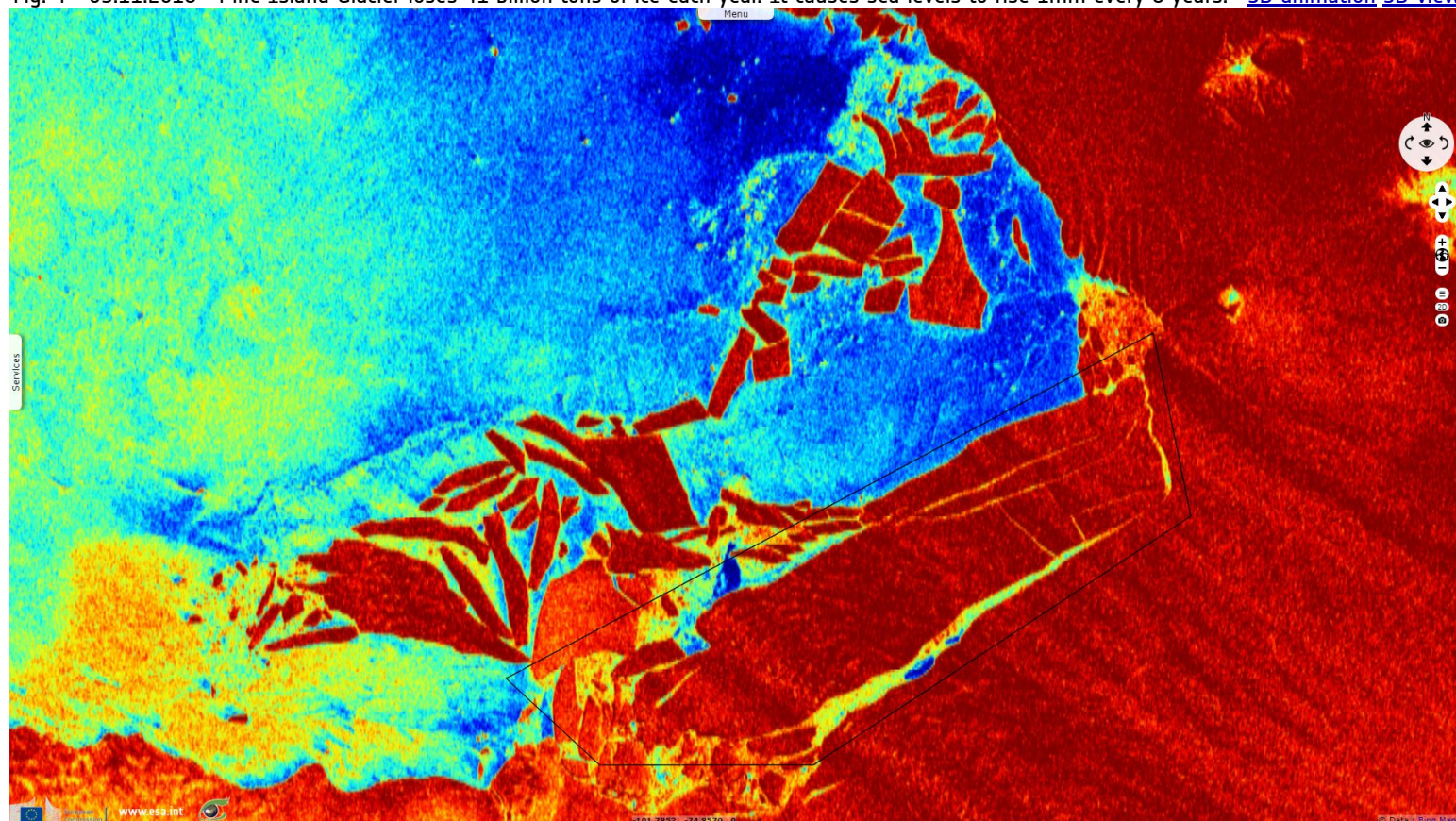


Fig. 4 - 03.11.2018 - Pine Island Glacier loses 41 billion tons of ice each year. It causes sea levels to rise 1mm every 8 years. [3D animation](#) [3D view](#)



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