# Arktalas wave in ice paper cases

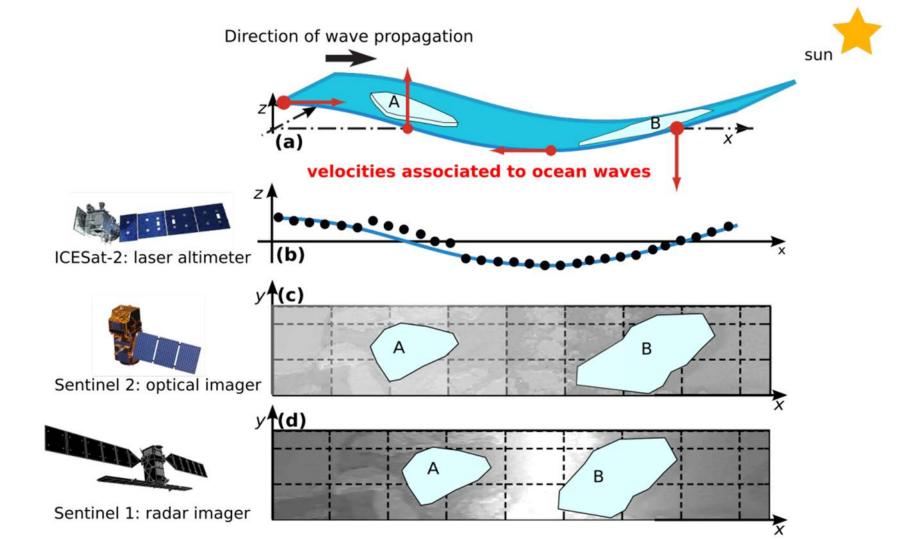
## (Sentinel1/Sentinel2/Sentinel3/Icesat2/CFOSAT) Collard Fabrice, ODL Ardhuin Fabrice, Ifremer

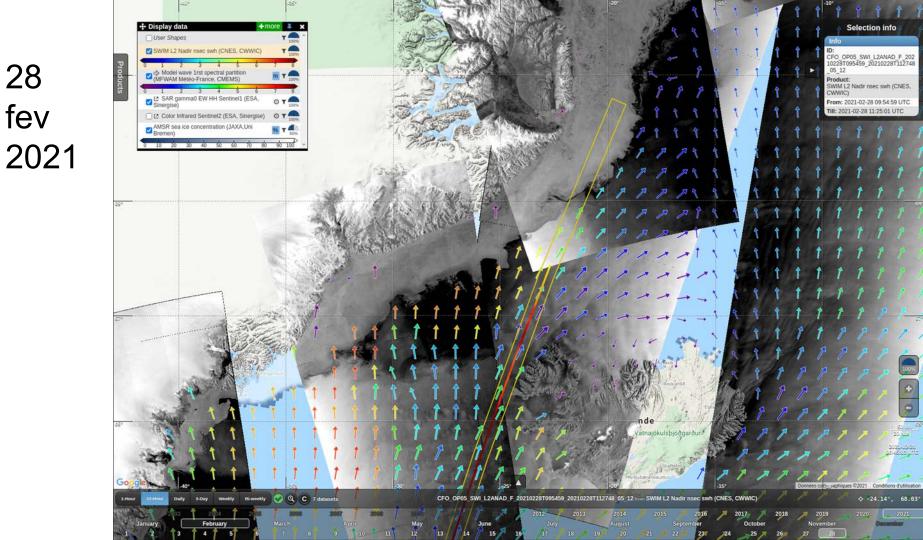
March 23, 2019 Feb 28, March 12, 2021 and January 22, 2022

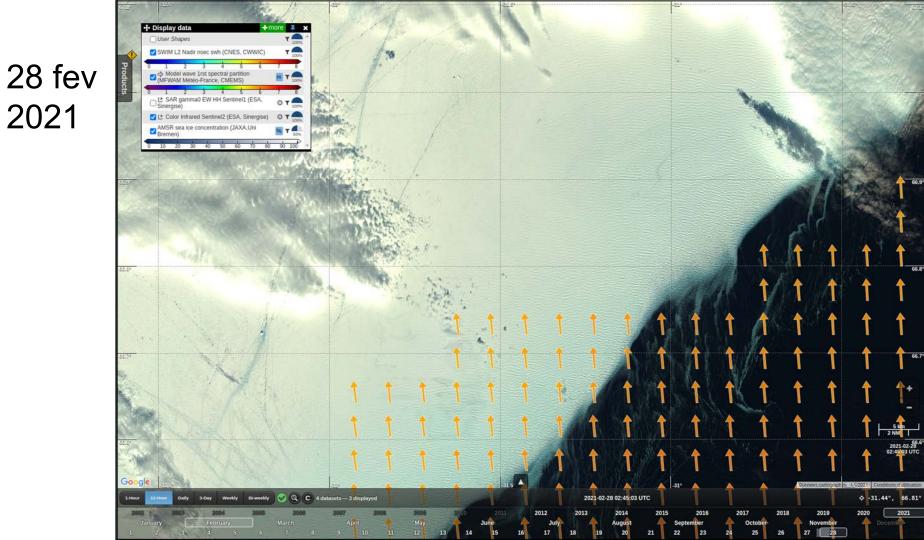
> additional cases 3 March 2021 23 April 2022

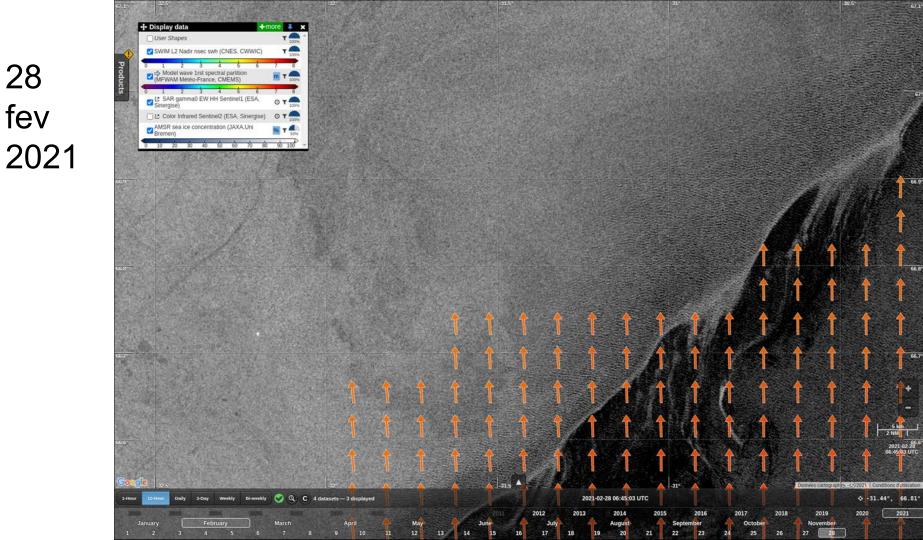
> > Ifremer

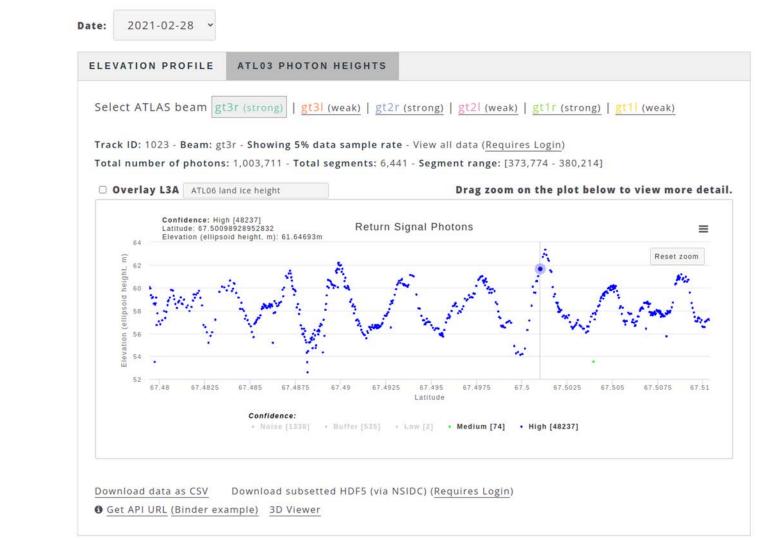






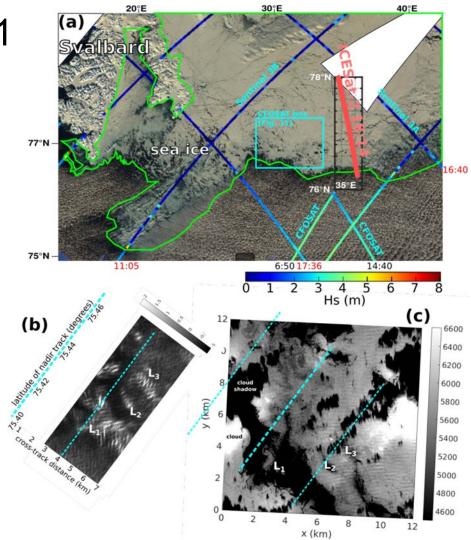




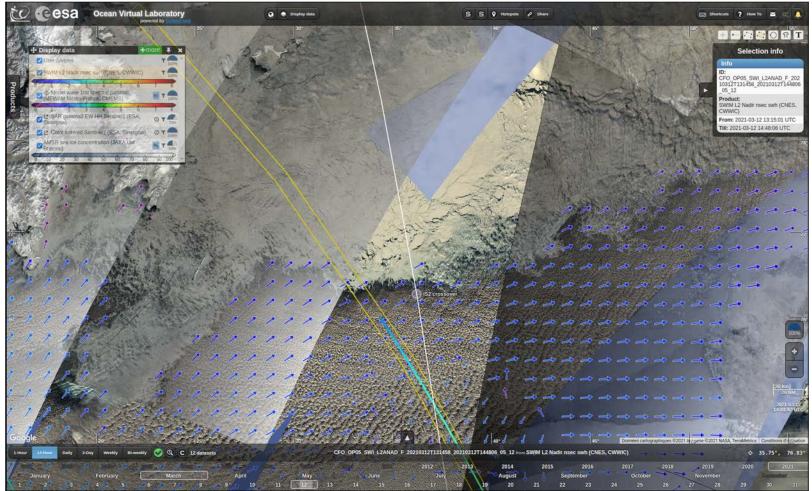


### Icesat2

## 12 march 2021



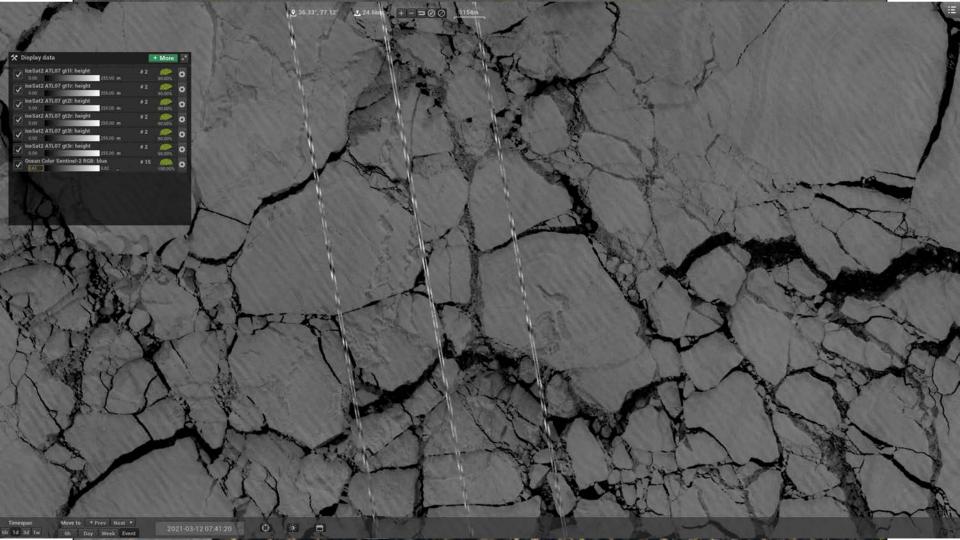
### 12 march 2021 : https://odl.bzh/2ndzIGdE

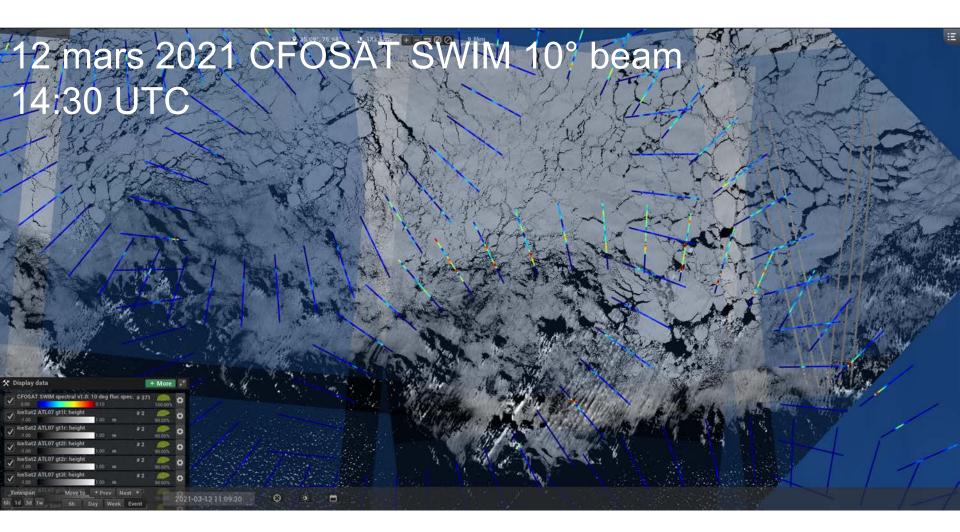


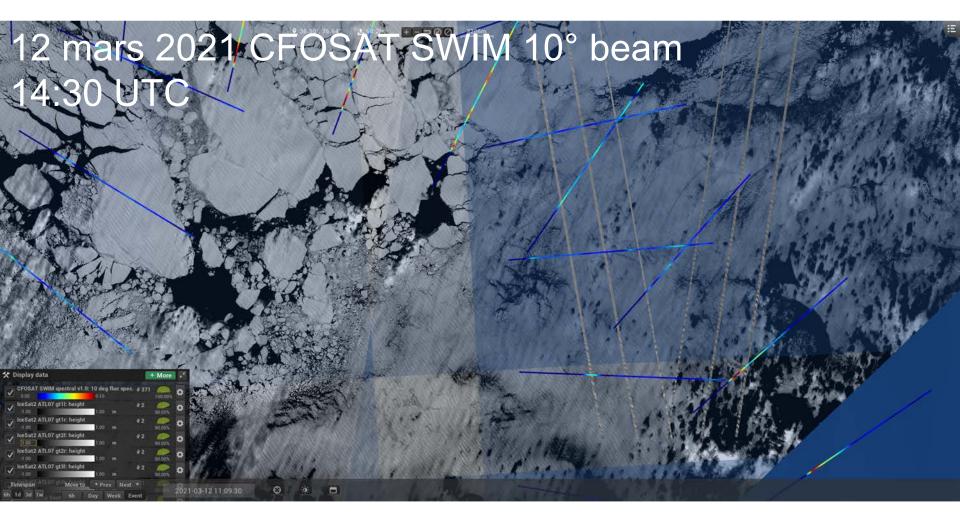
# 12 mars 2021 Sentinel2 (11:08 UTC) and cesat2 (18:34 UTC) other icesat2 on the East at 7:41 UTC

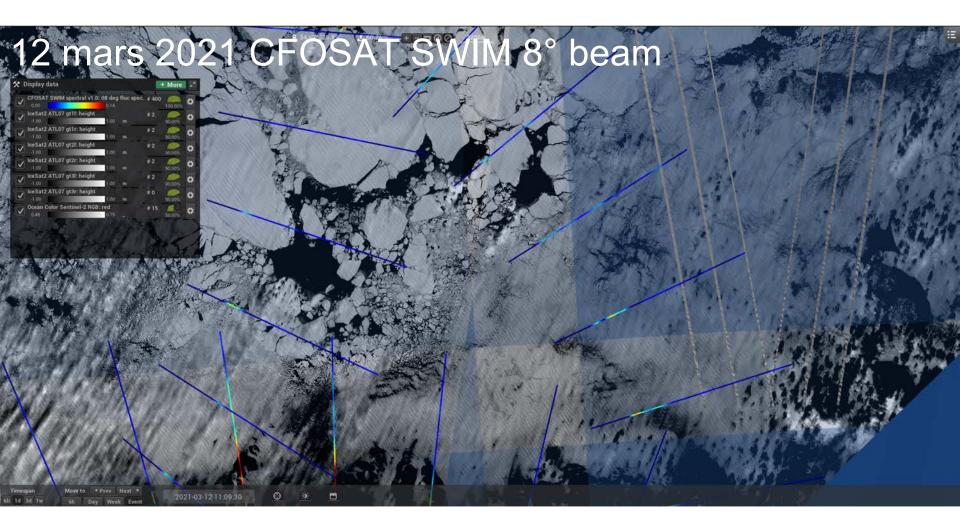
Timespan Move to + Prev M

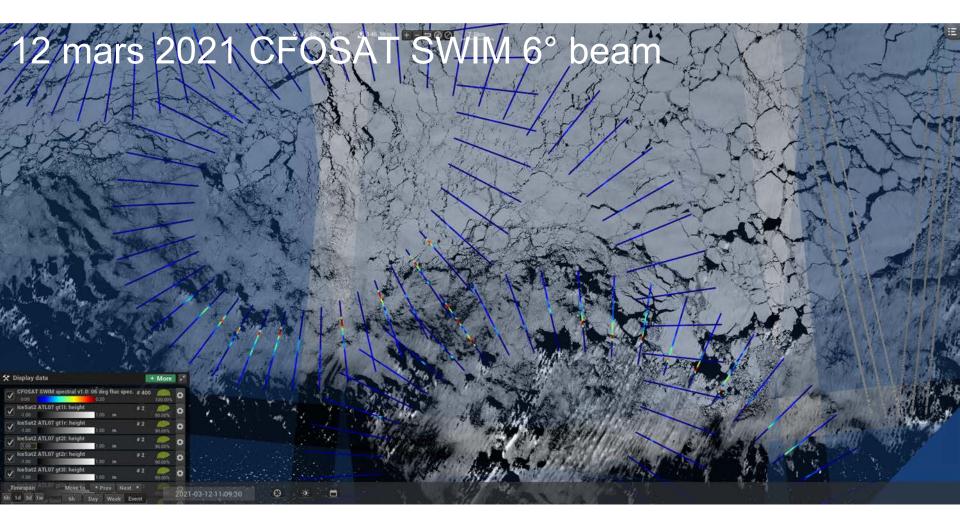
1-03-12 07:41:20





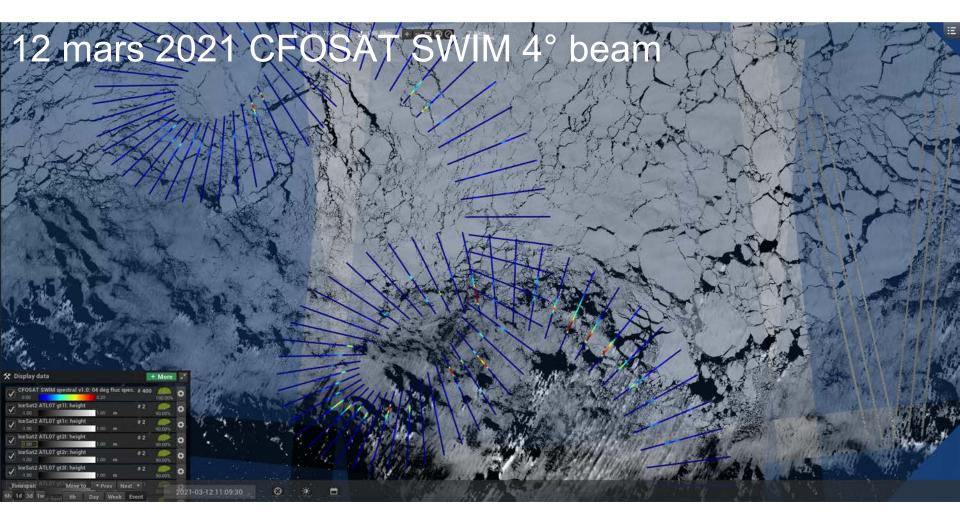


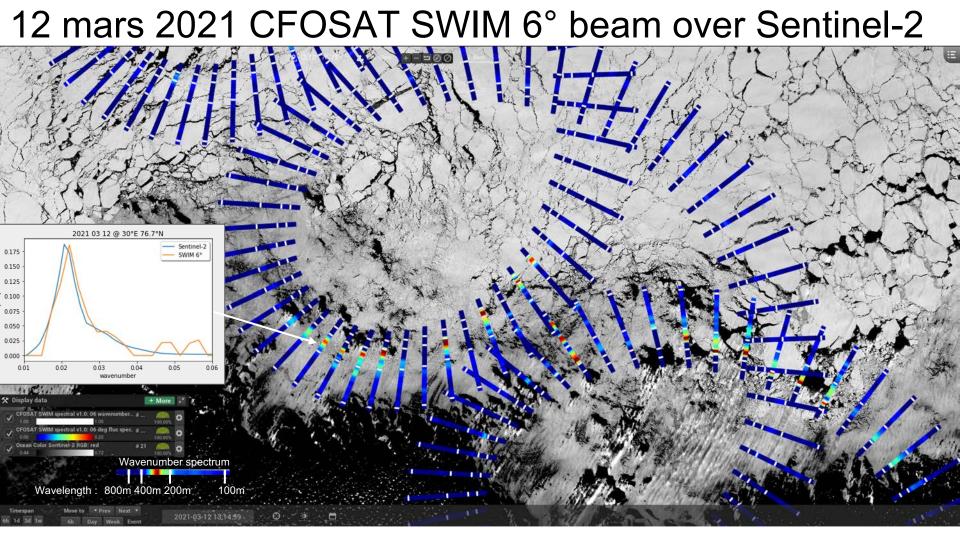




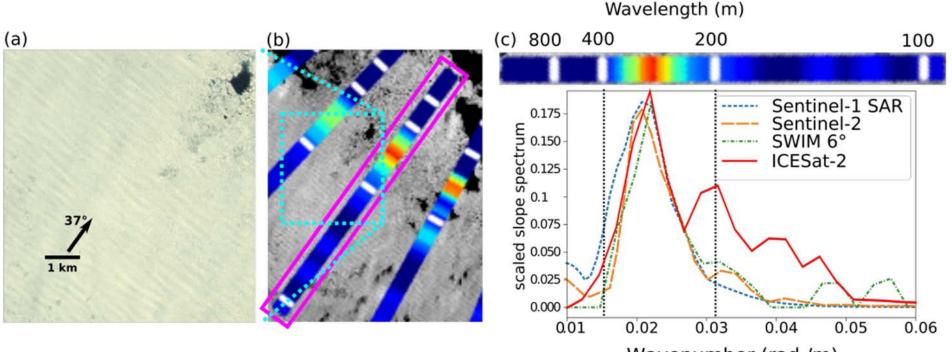




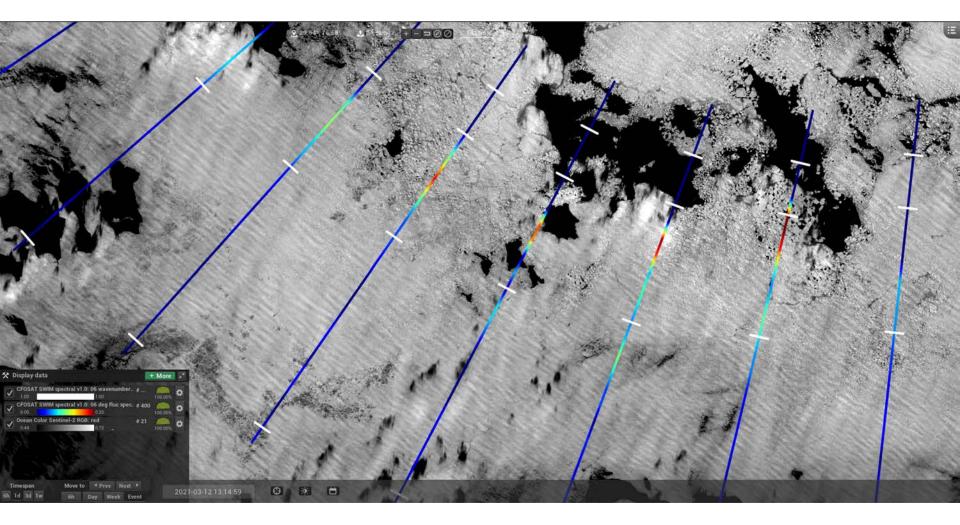




### Wave slope spectra intercomparison



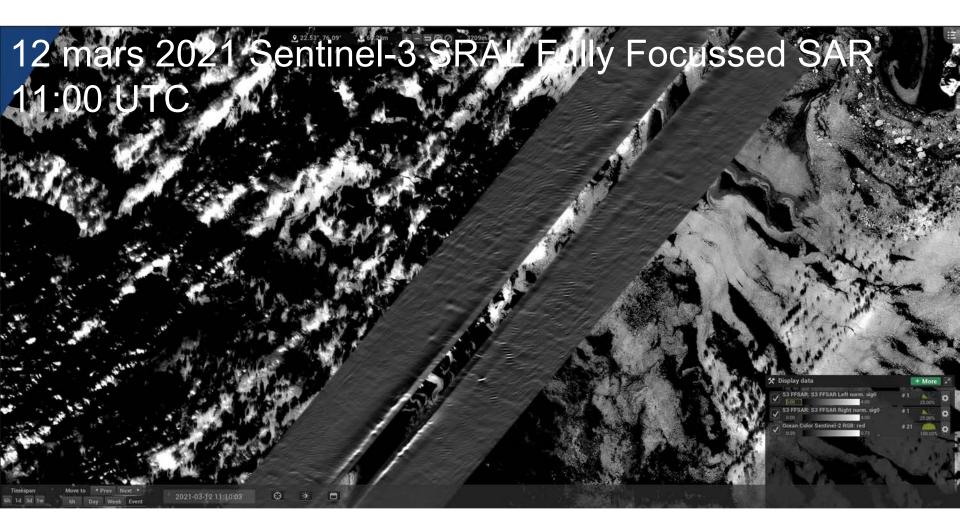
Wavenumber (rad./m)

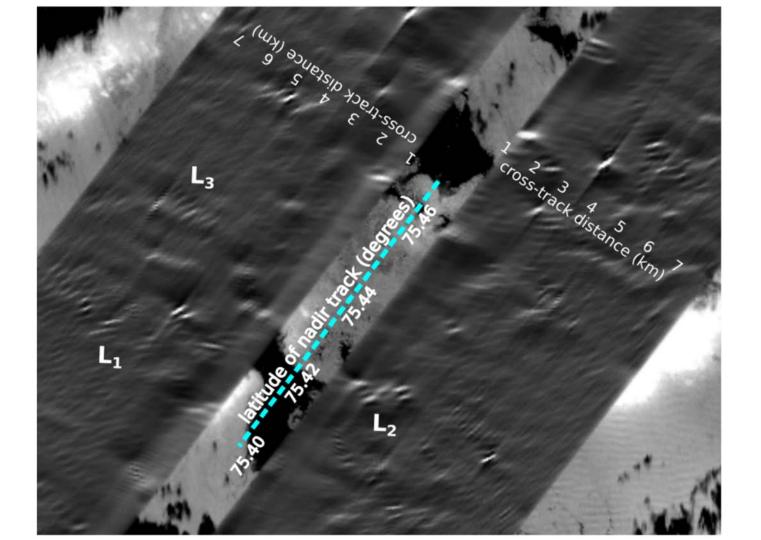


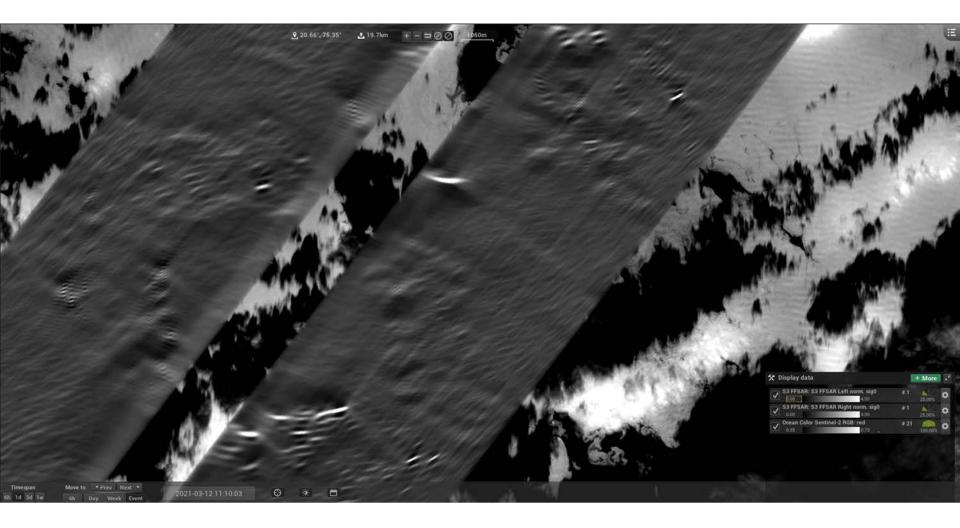
# 12 mars 2021 Sentinel-3 SRAL Fully Focussed SAR 11:00 UTC

🛠 Display data		+ More	
S3 FFSAR: S3 FFSAR	Left norm. sig0 4.00	25.00%	ø
S3 FFSAR: S3 FFSAR	Right norm. sig0 4.00	25.00%	0
Ocean Color Sentinel-	2 RGB: red	100,00%	0

Move to \* Prev Next \* 2021-03-12 11:10:03

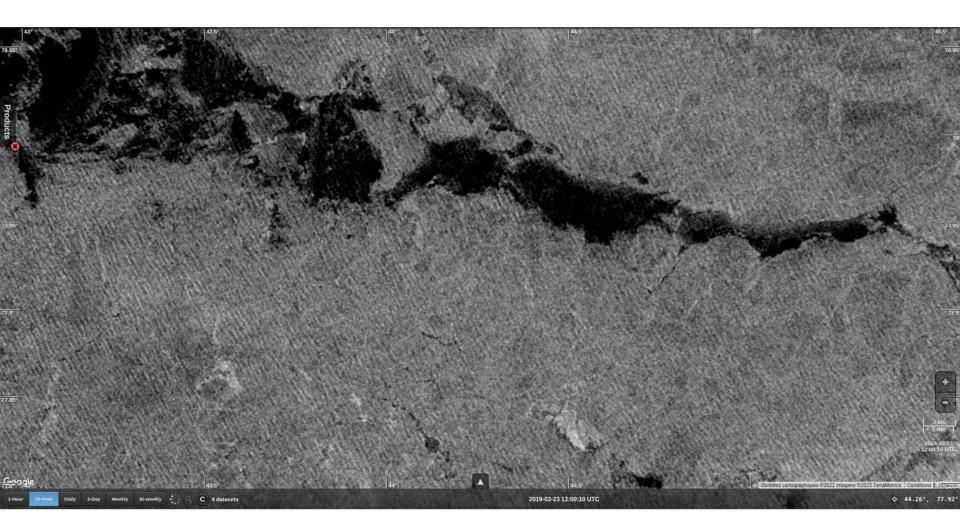


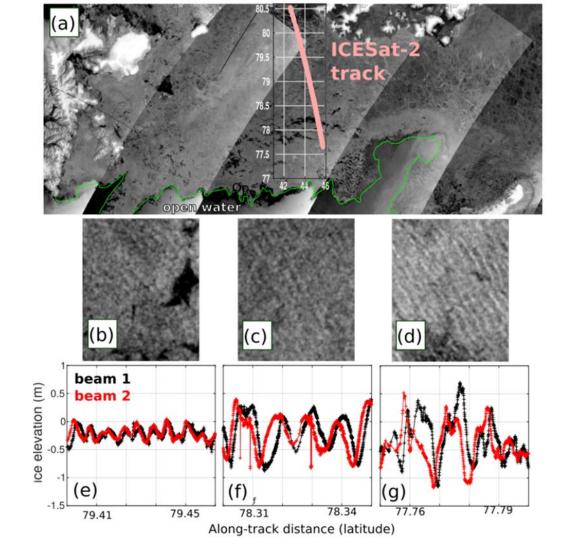




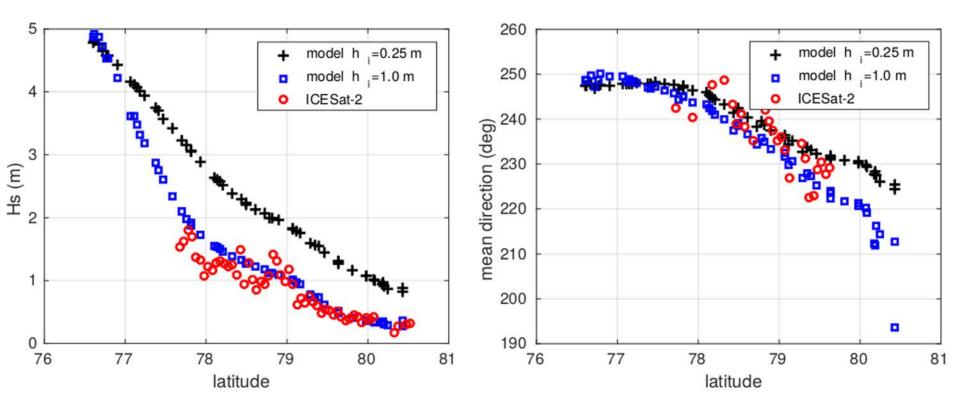
## 23 March 2019 : https://odl.bzh/x1ykcJiD



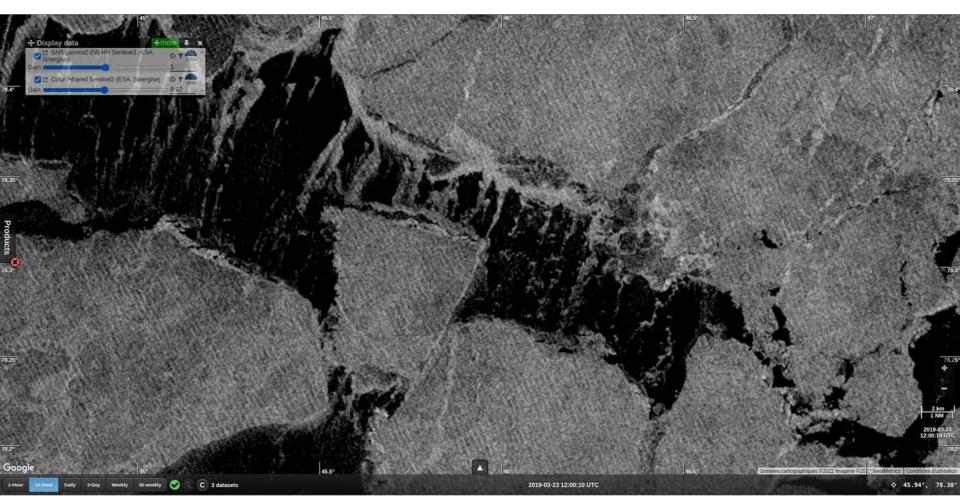




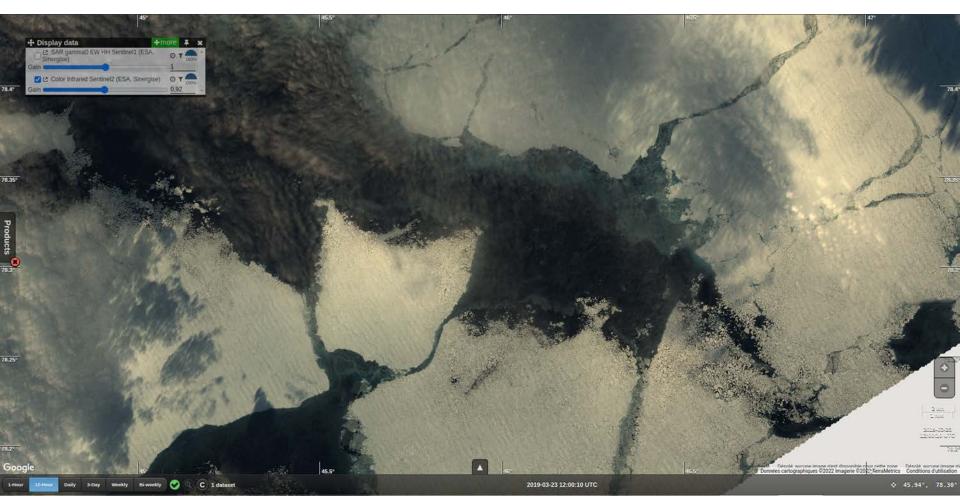
Wave attenuation in Sea Ice



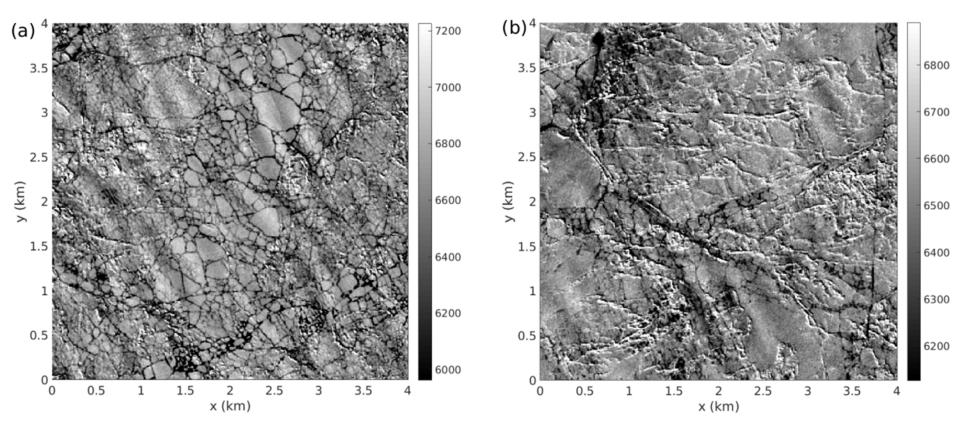
#### Sentinel 1 at 9:00 UTC



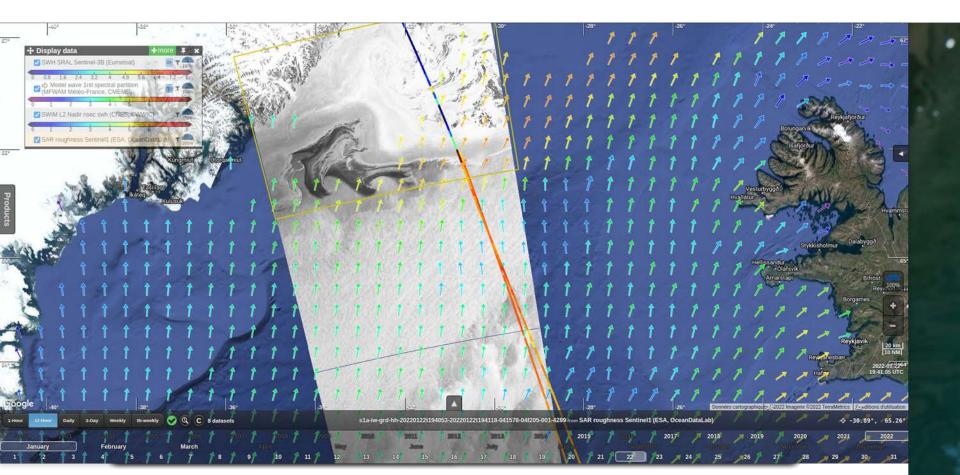
#### Sentinel 2 at 11:07 UTC

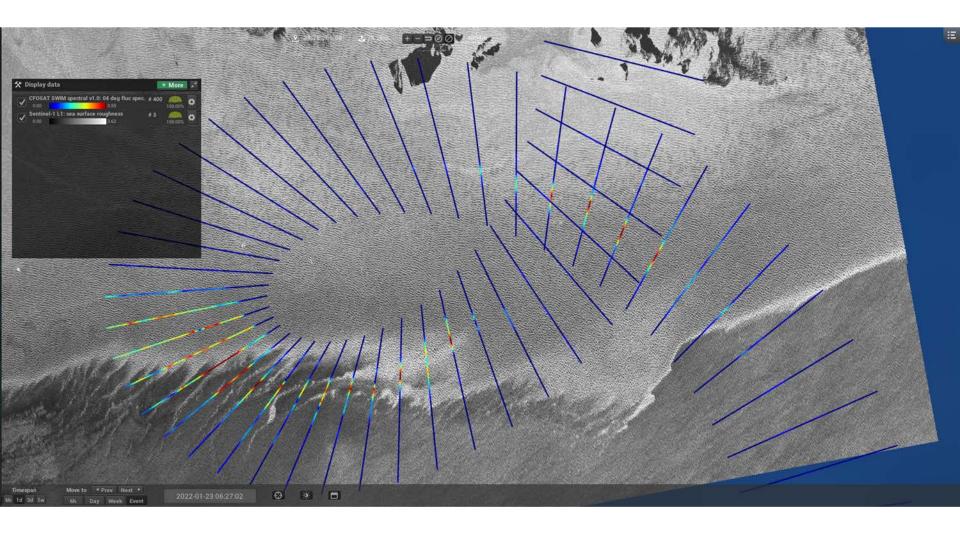


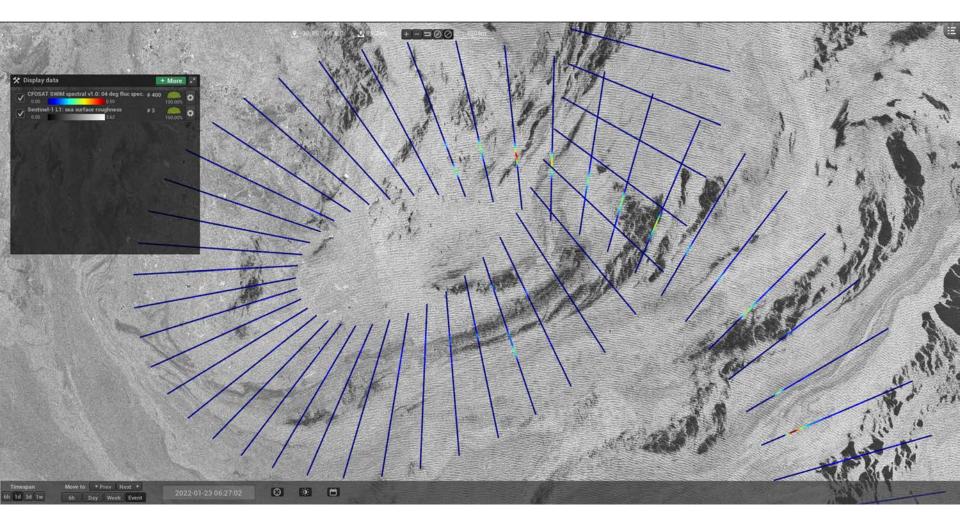
#### wave patterns in sea ice at 11:07 UTC on 23 March 2019

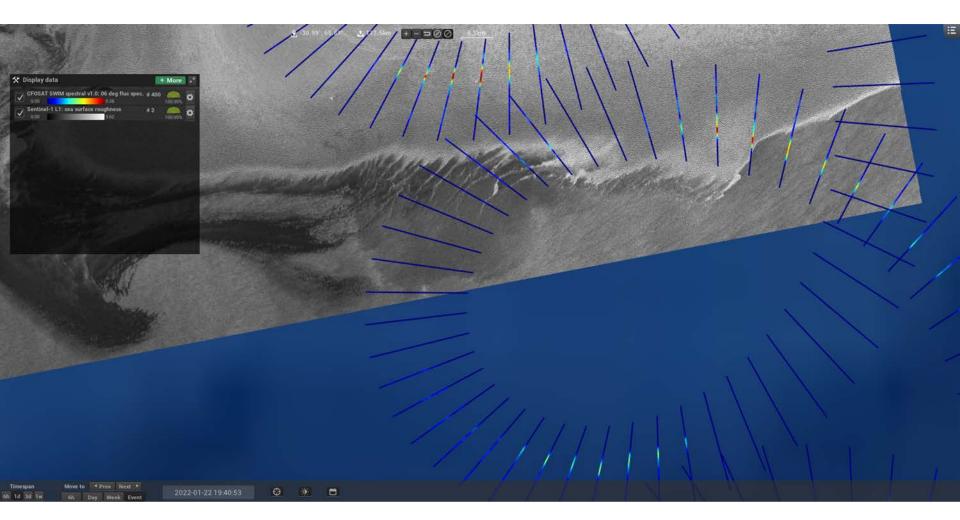


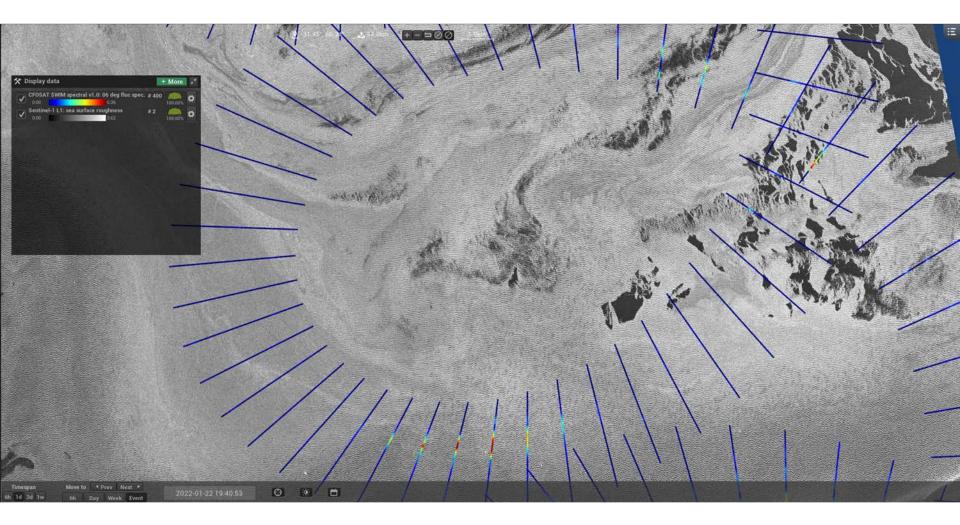
## 22 January 2022 : https://odl.bzh/0n4zeCbd

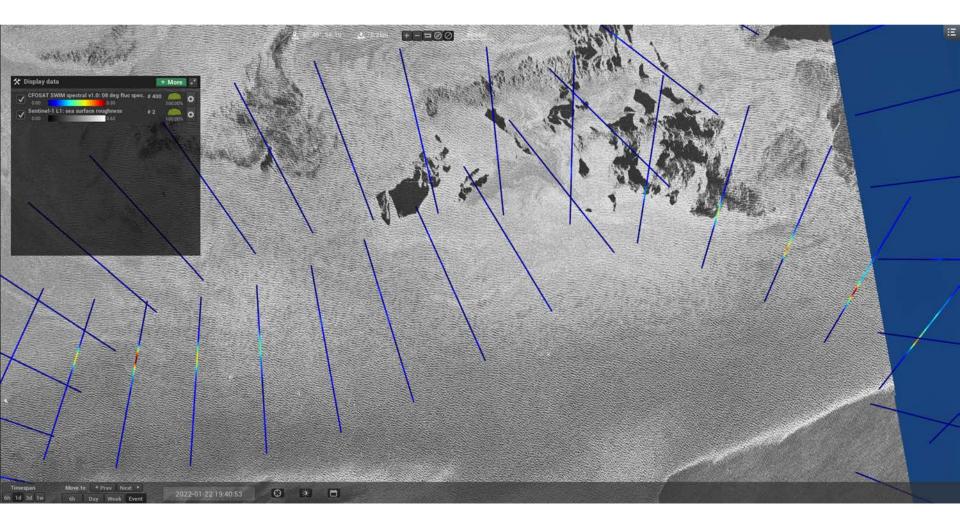


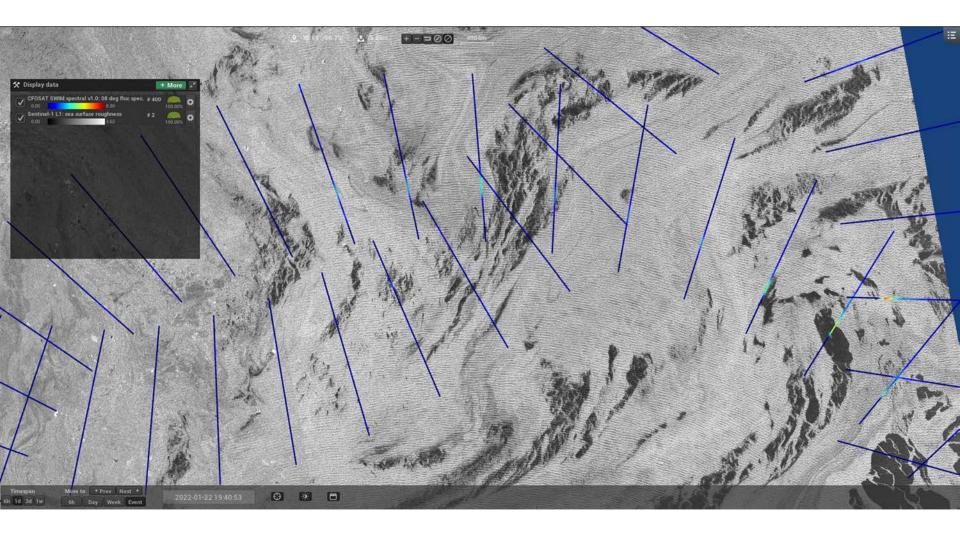


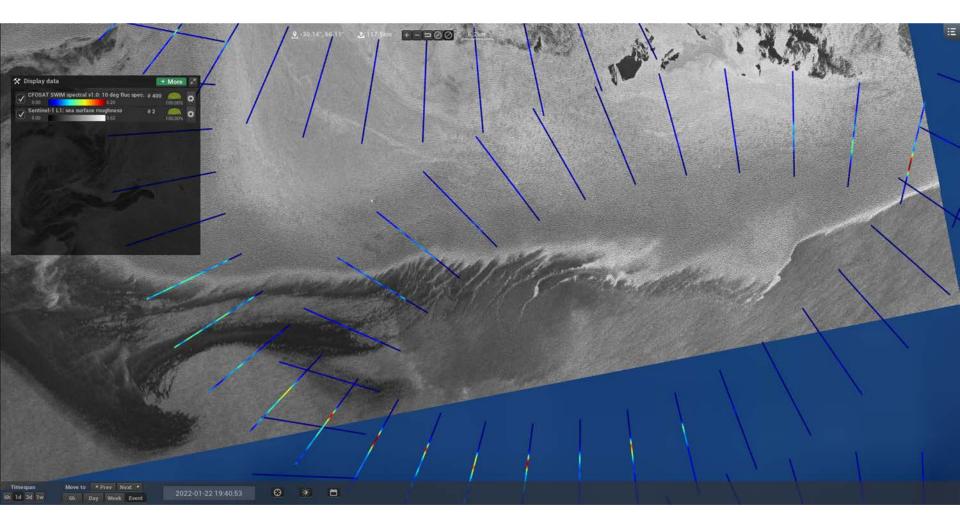


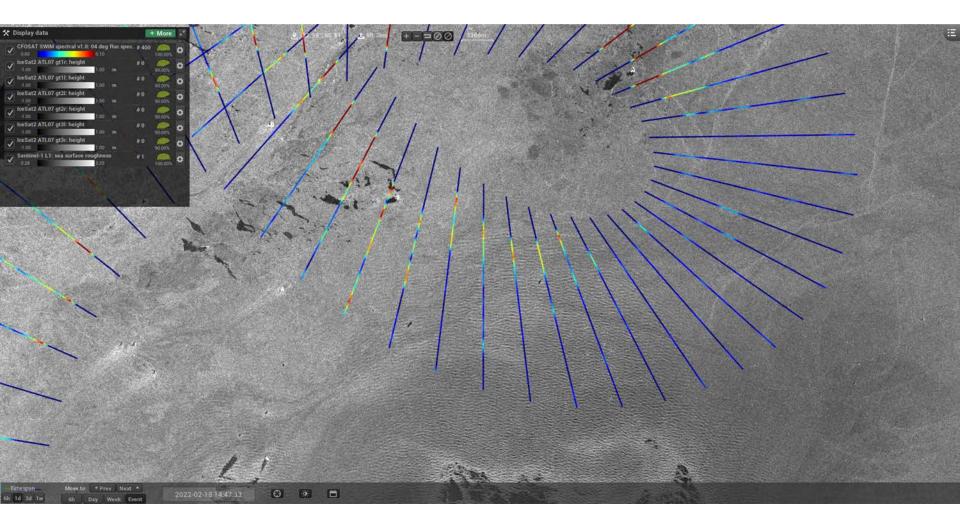










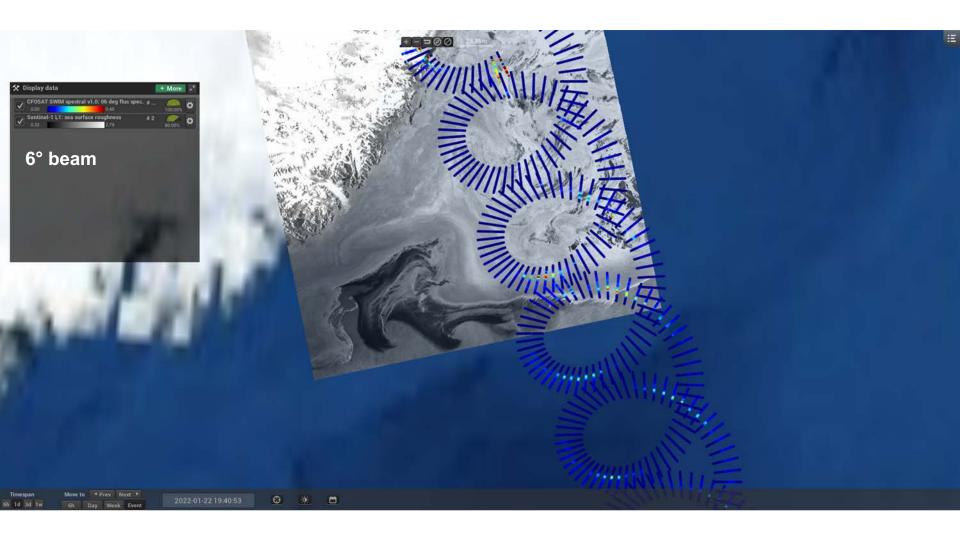


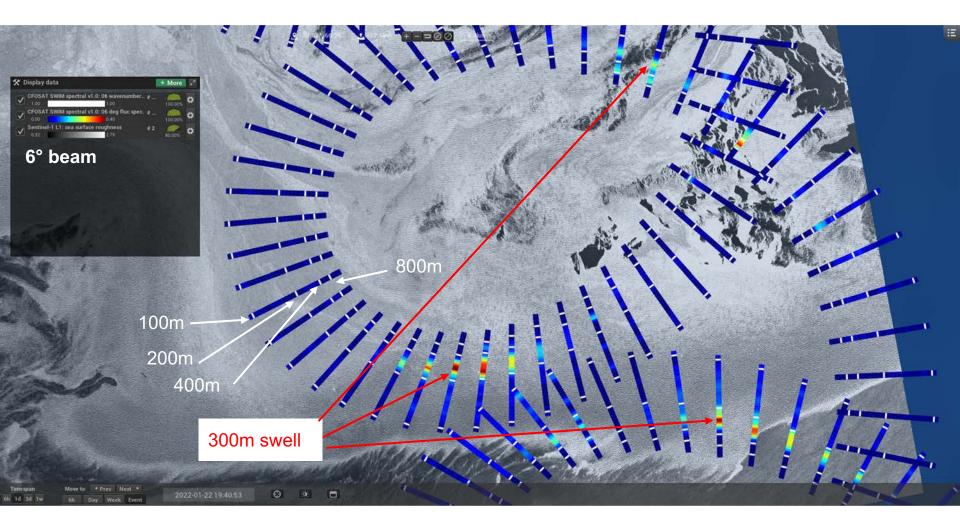


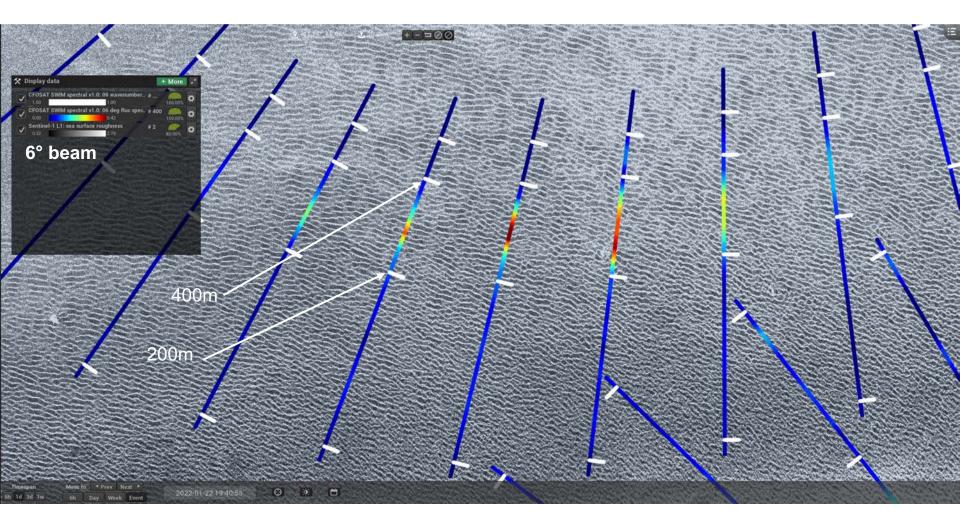
Ξ

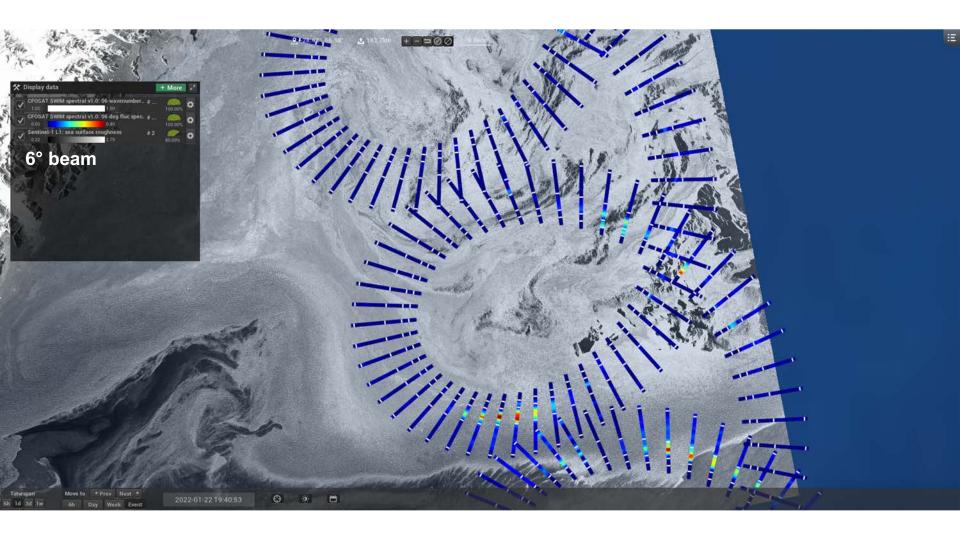
Timespan Move to \* Prev Next \* 6h 1d 3d 1w 6h Day Week Event

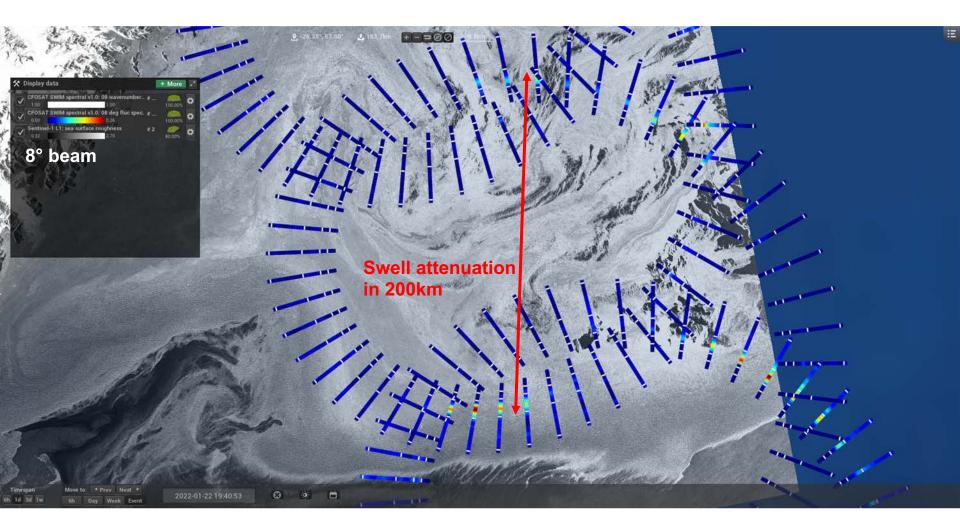
2 19:40:53

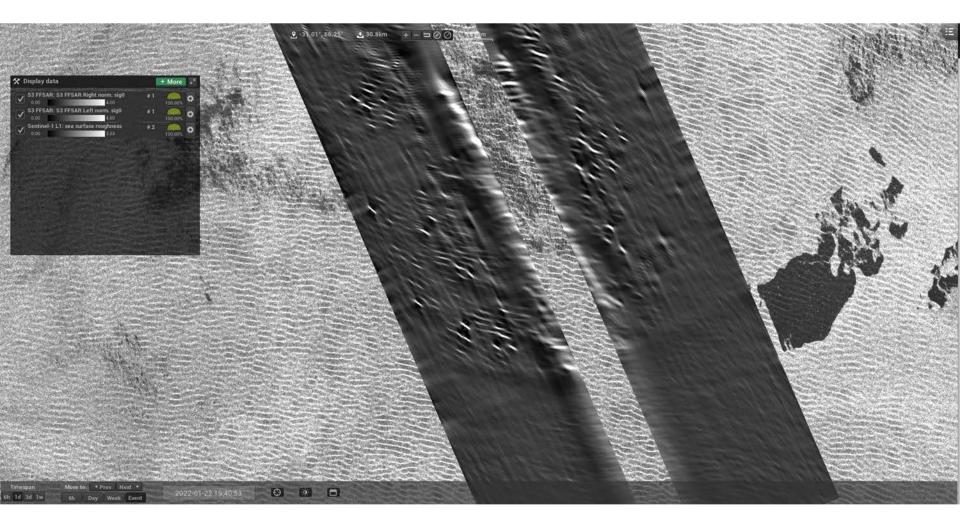


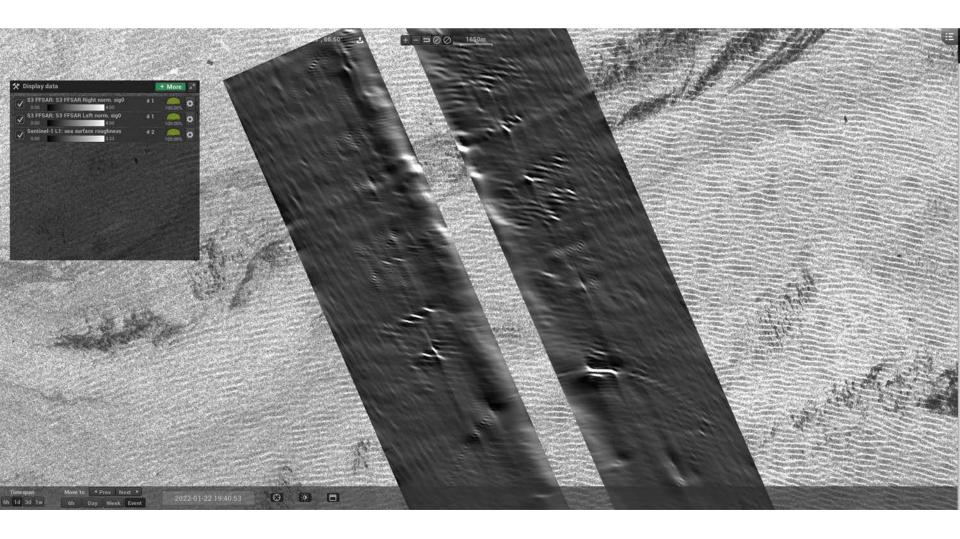




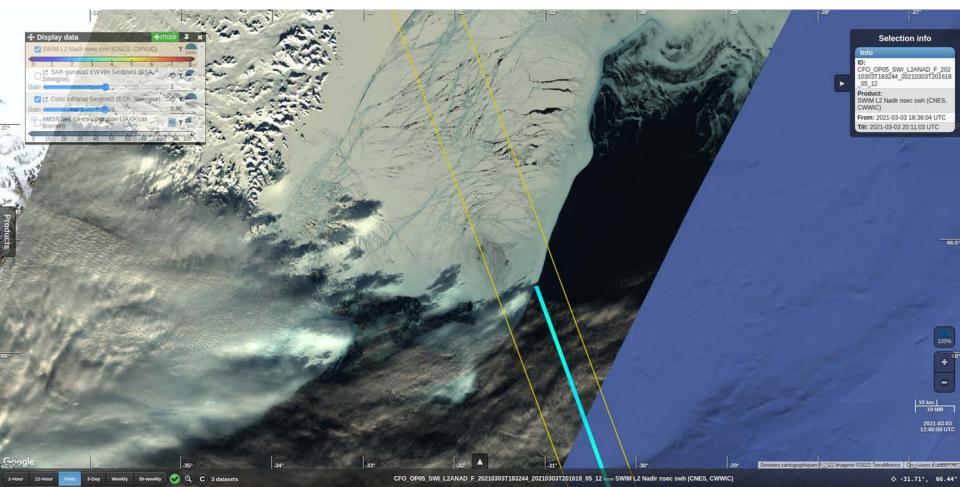


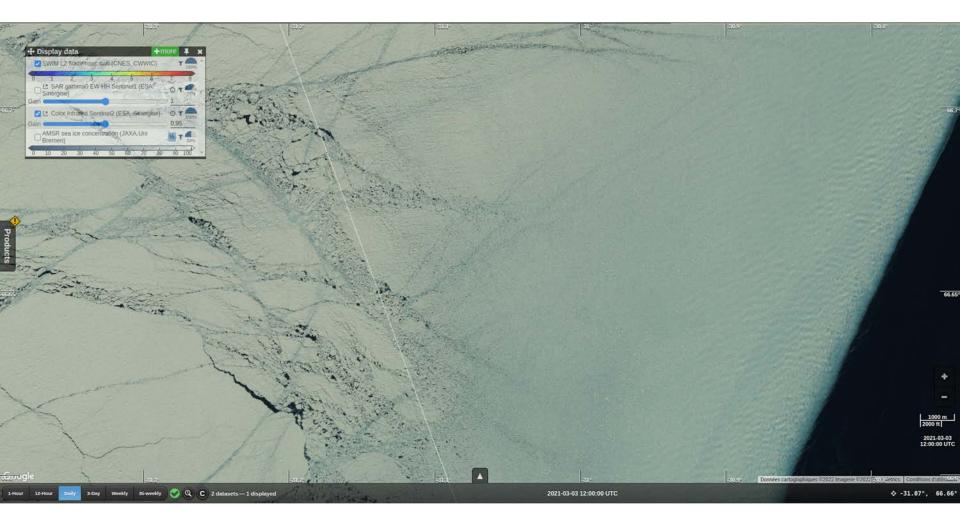






## 3 March 2021 : https://odl.bzh/9Zh\_w59J





## 23 April 2022 : https://odl.bzh/DqUlwsft

