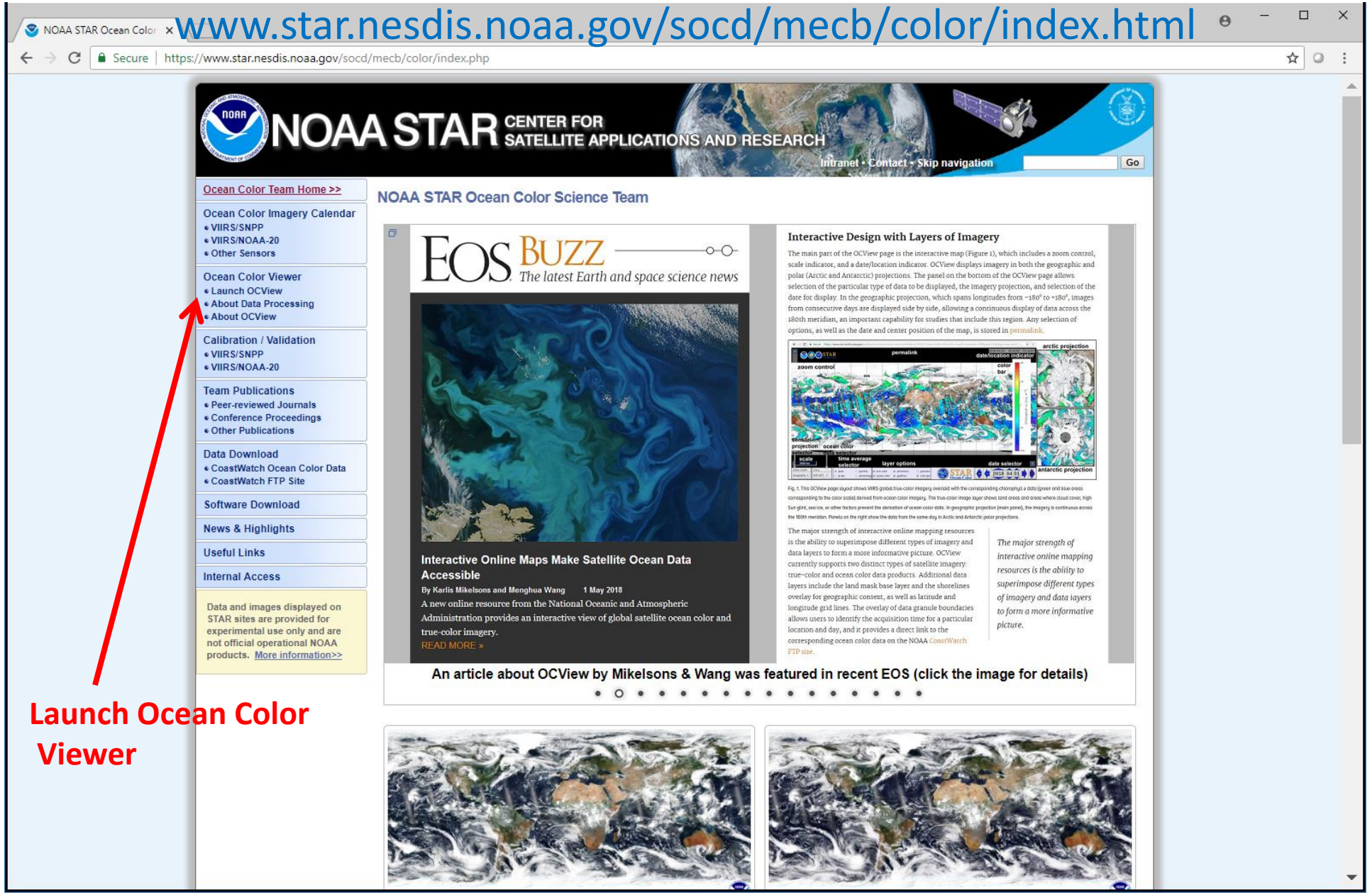
OCView – Online display and monitoring of ocean color product imagery

Karlis Mikelsons
NOAA Ocean Color Science Team

STAR JPSS
2018 Annual Science Team Meeting
August 29, 2018

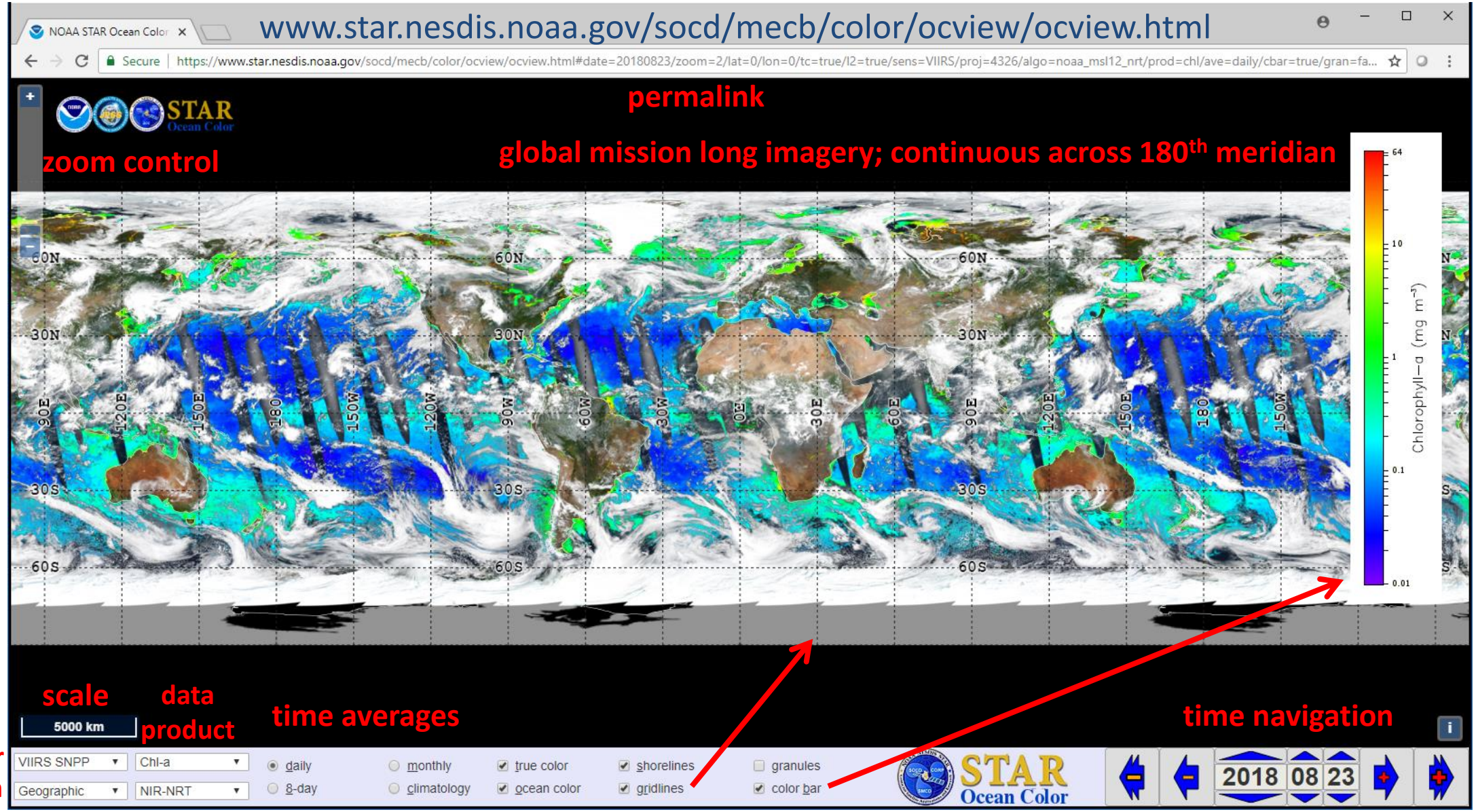
NOAA Ocean Color Science Team web page

www.star.nesdis.noaa.gov/socd/mecb/color/index.html



Launch Ocean Color Viewer

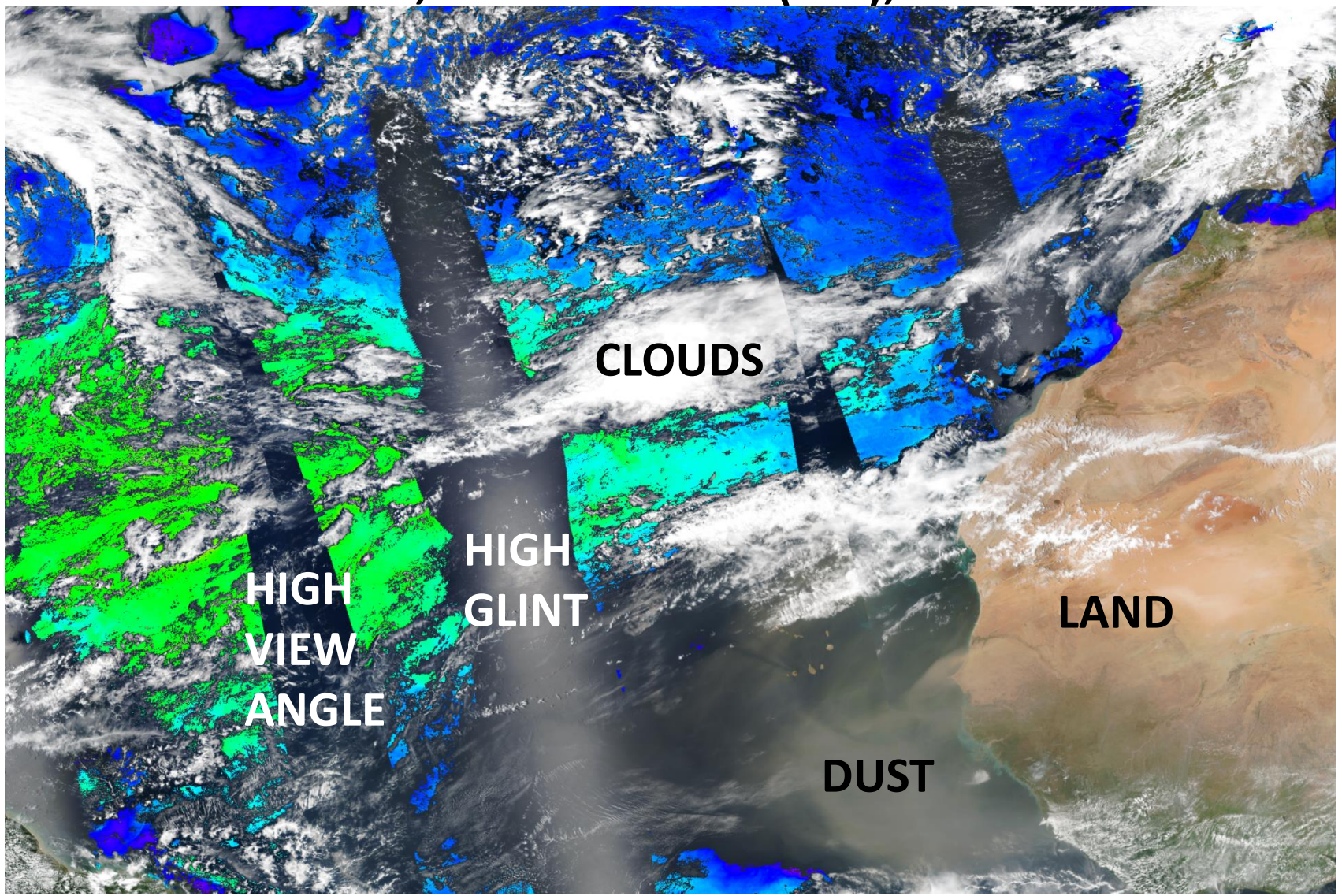
OCView – Ocean Color Viewer



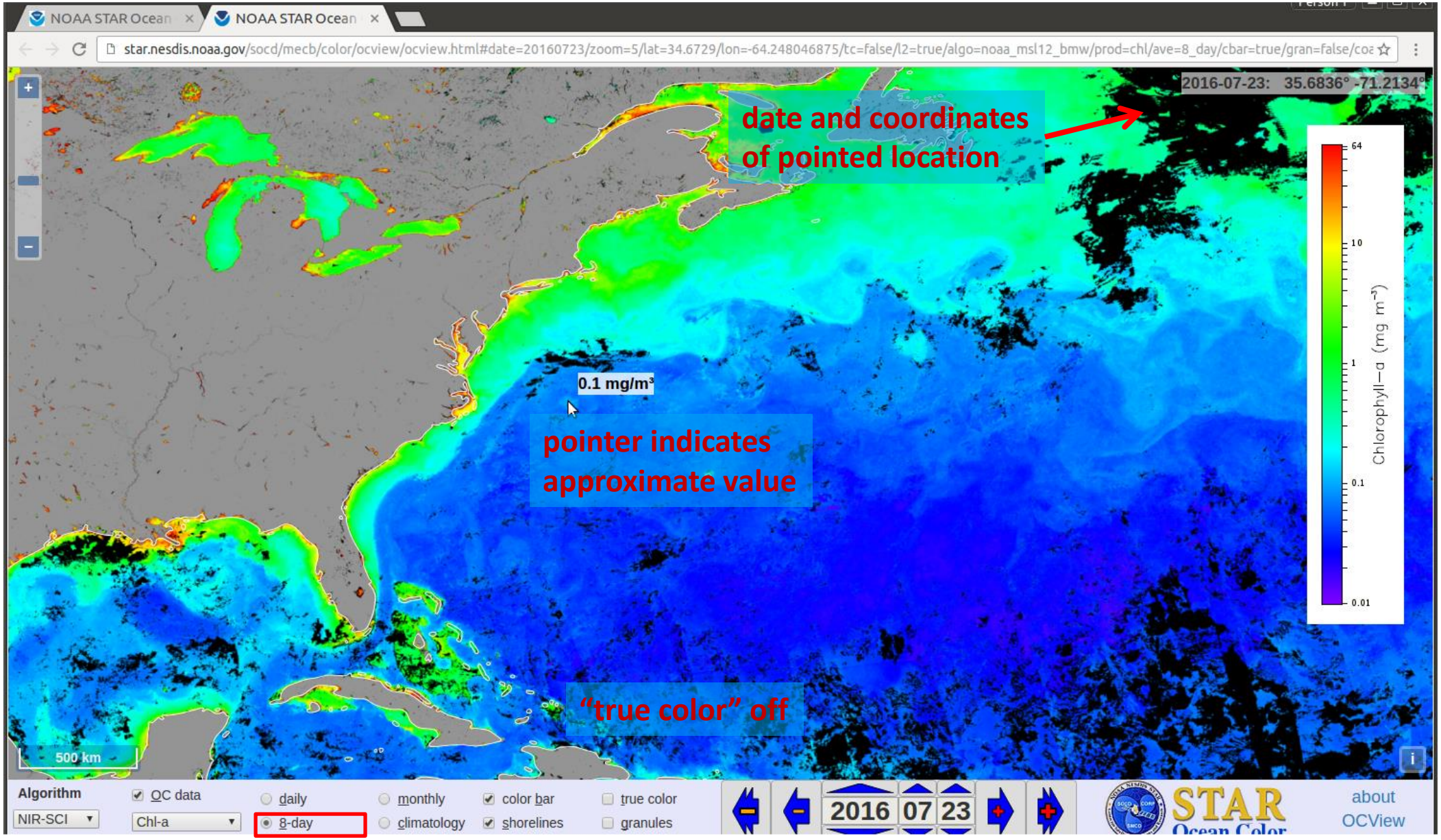
Interactive tiled imagery driven by openlayers javascript library

OCView – regional view

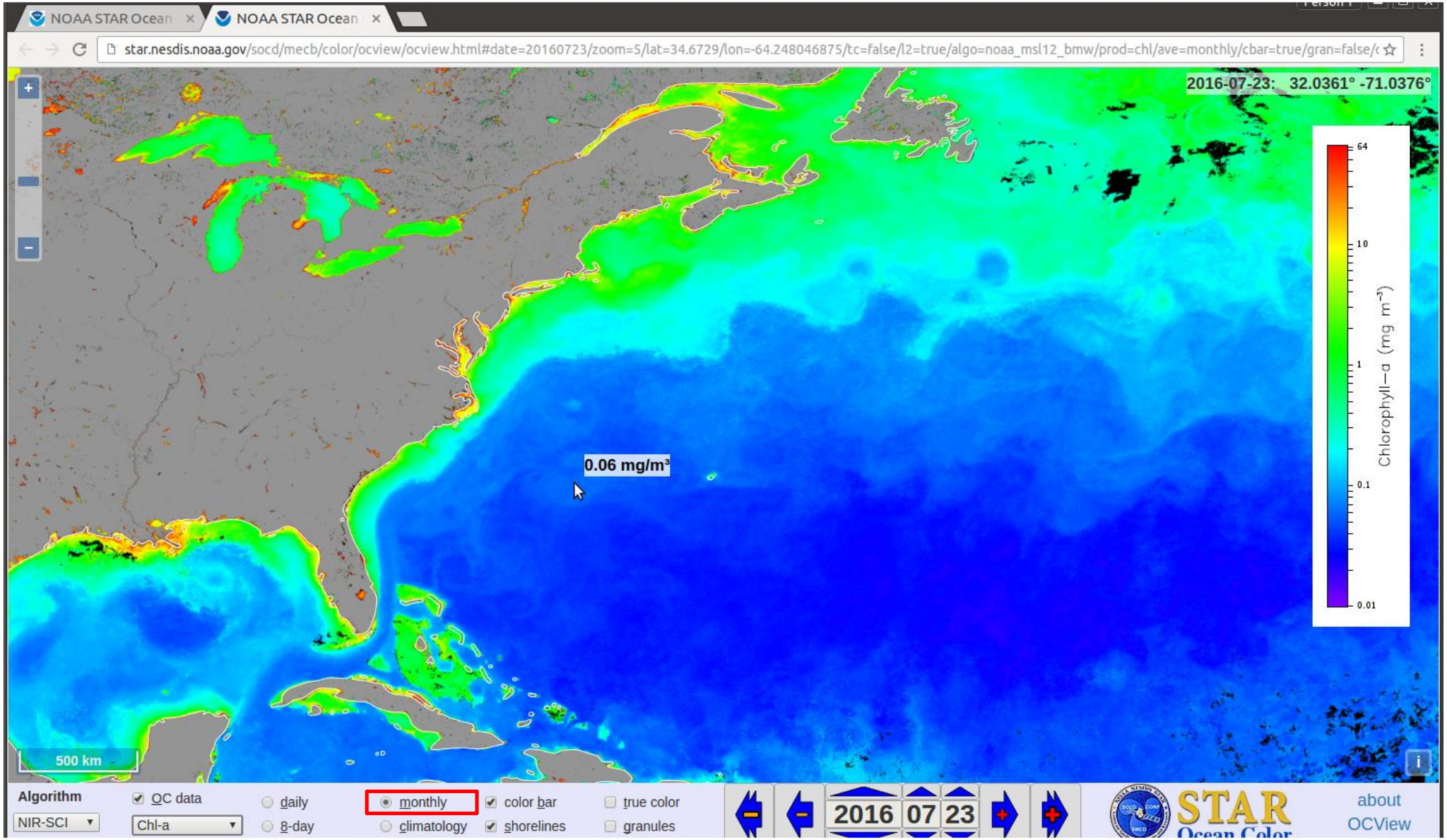
SNPP-VIIRS, true color + *nLw*(443), 2017-04-15



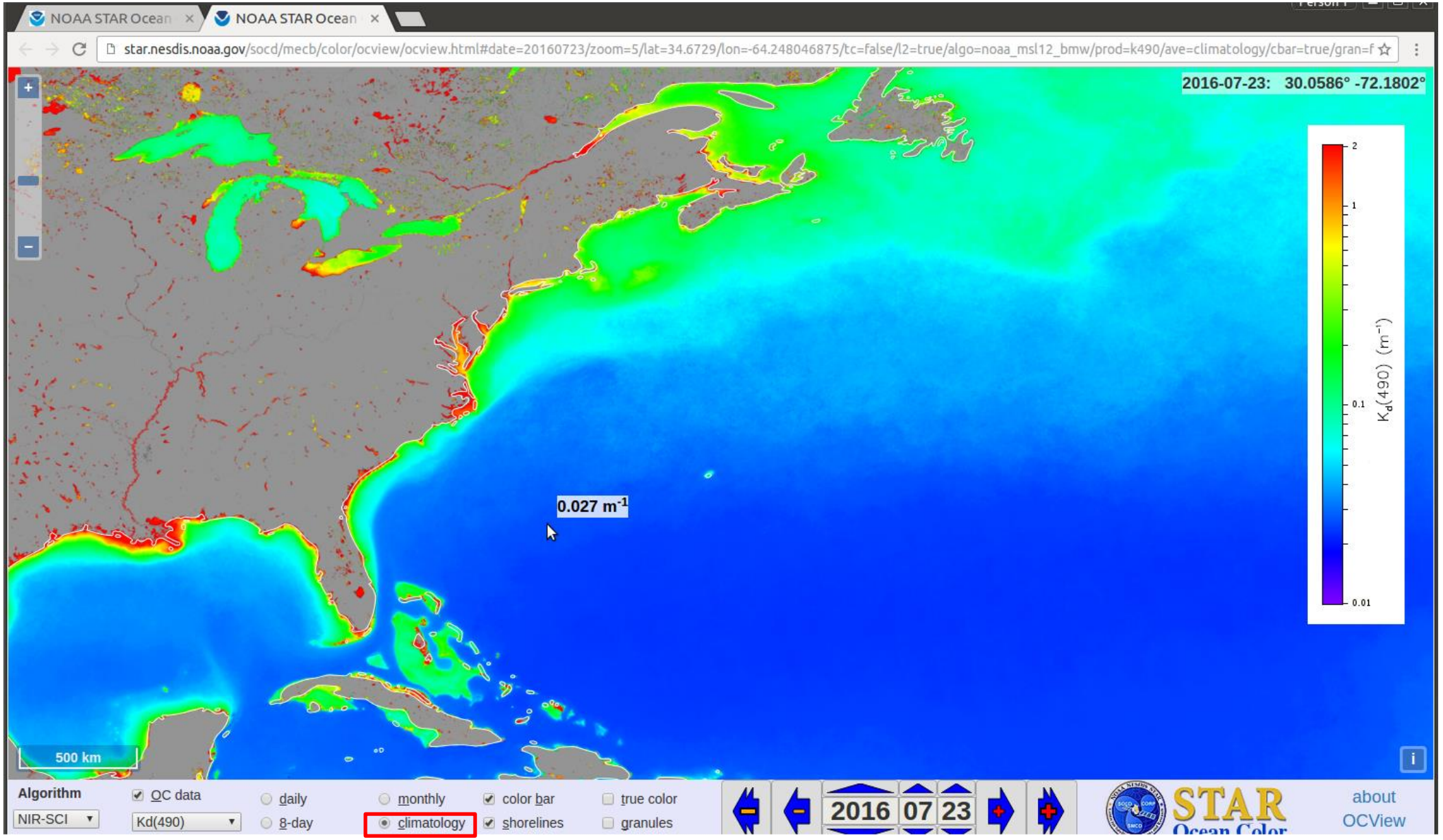
Chl-a 8 day time average



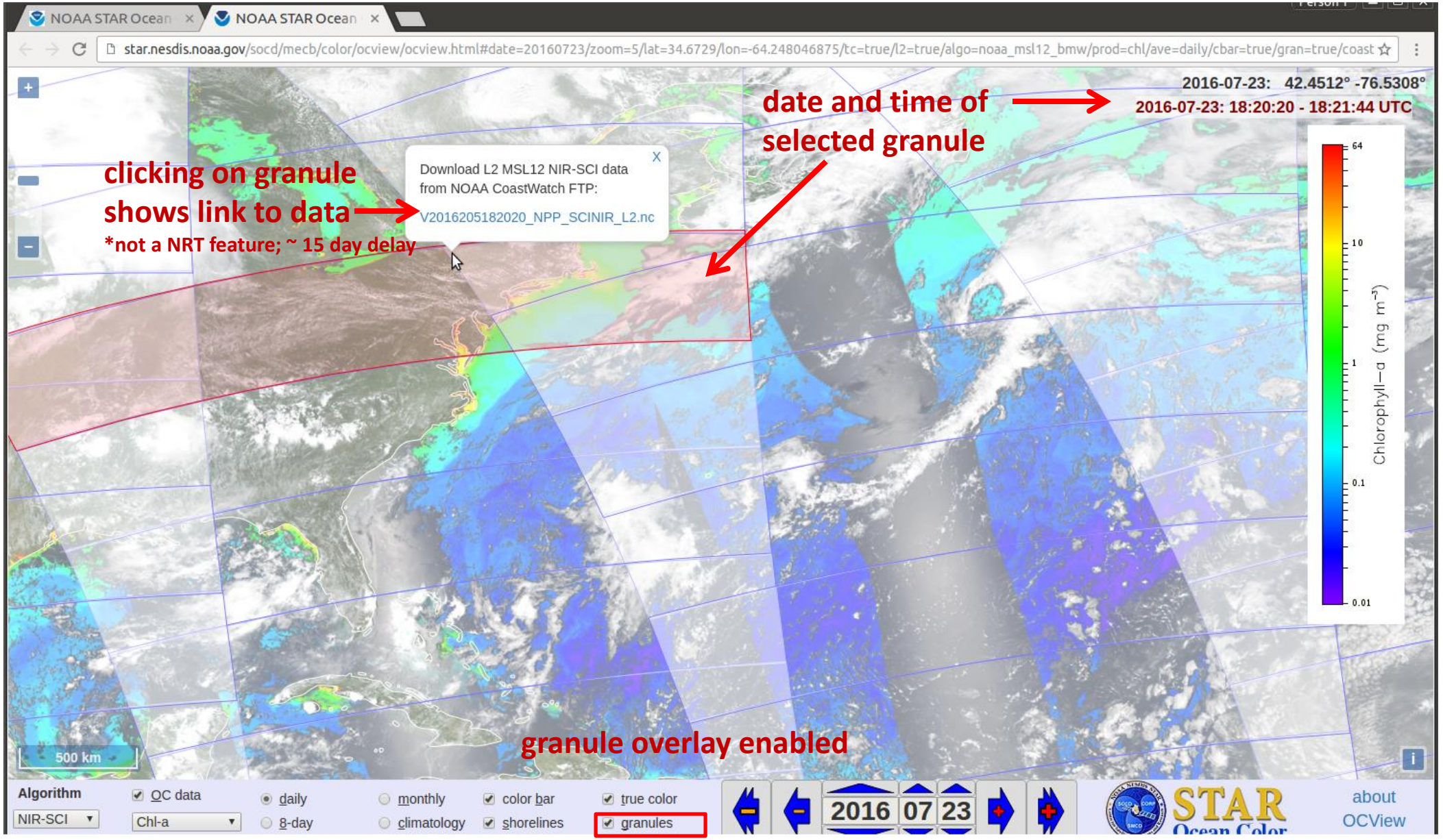
Chl-a monthly time average



$K_d(490)$ climatology

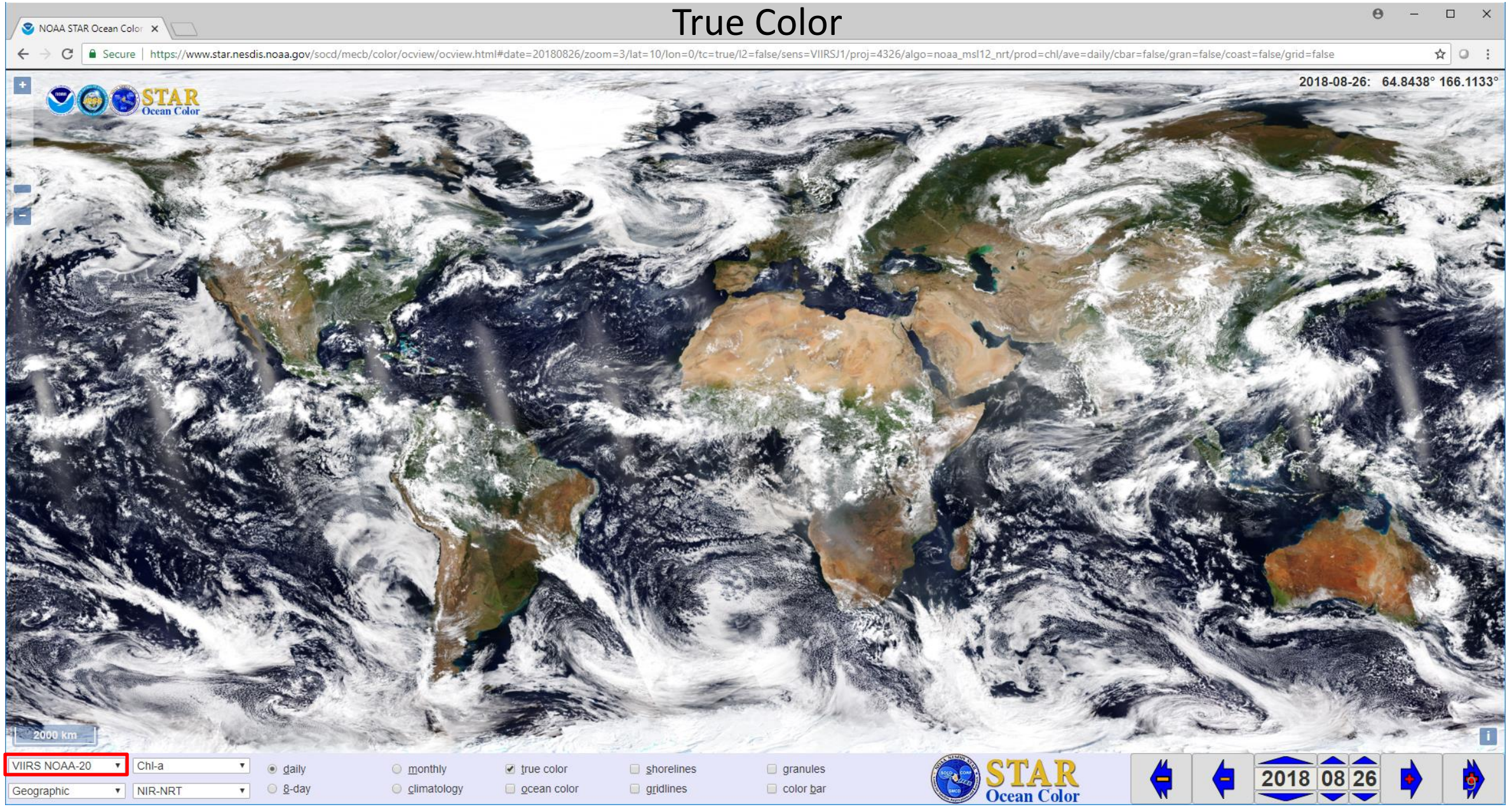


Granule display, selection, and download



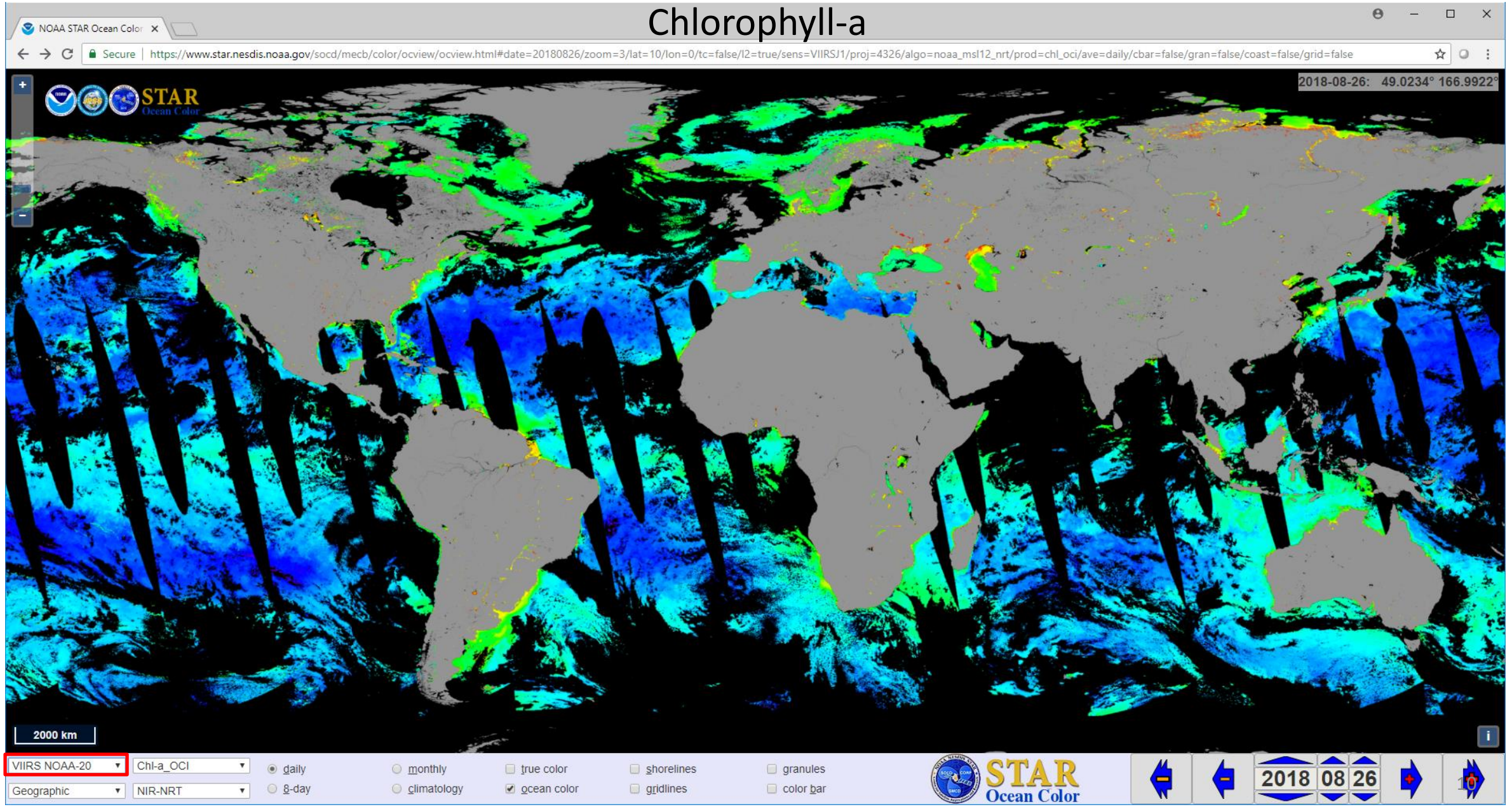
VIIRS NOAA-20

True Color



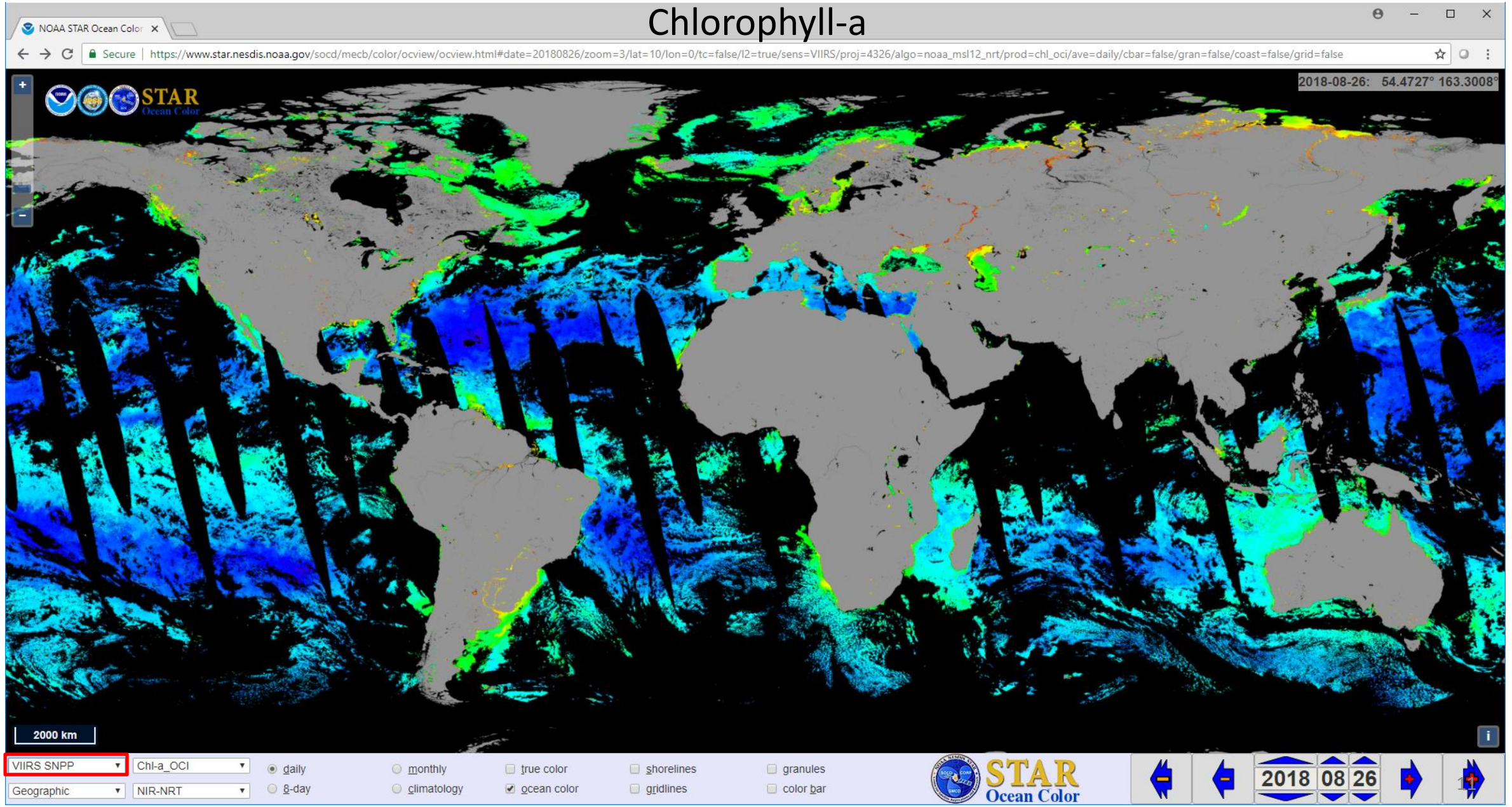
VIIRS NOAA-20

Chlorophyll-a



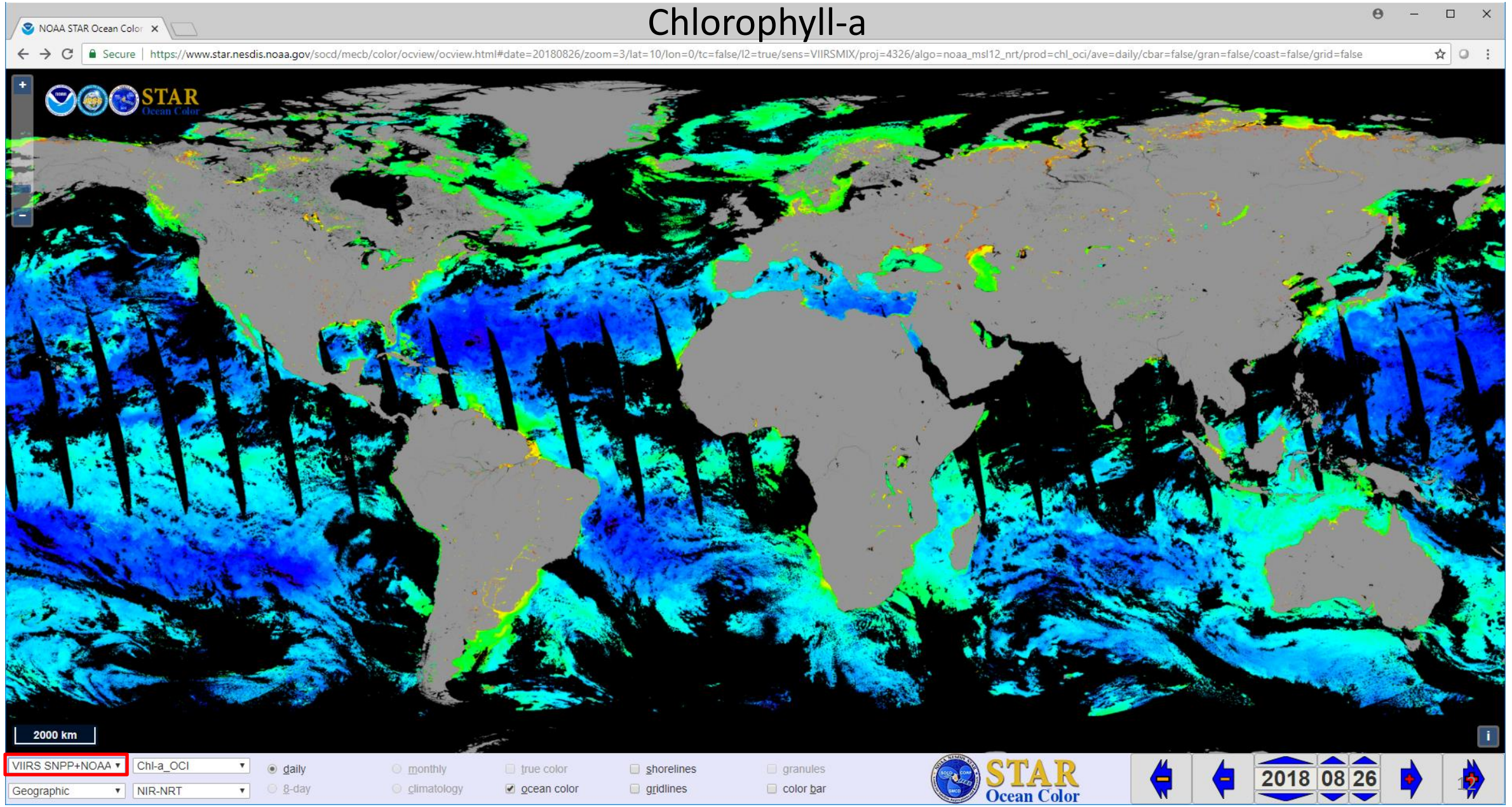
VIIRS SNPP

Chlorophyll-a

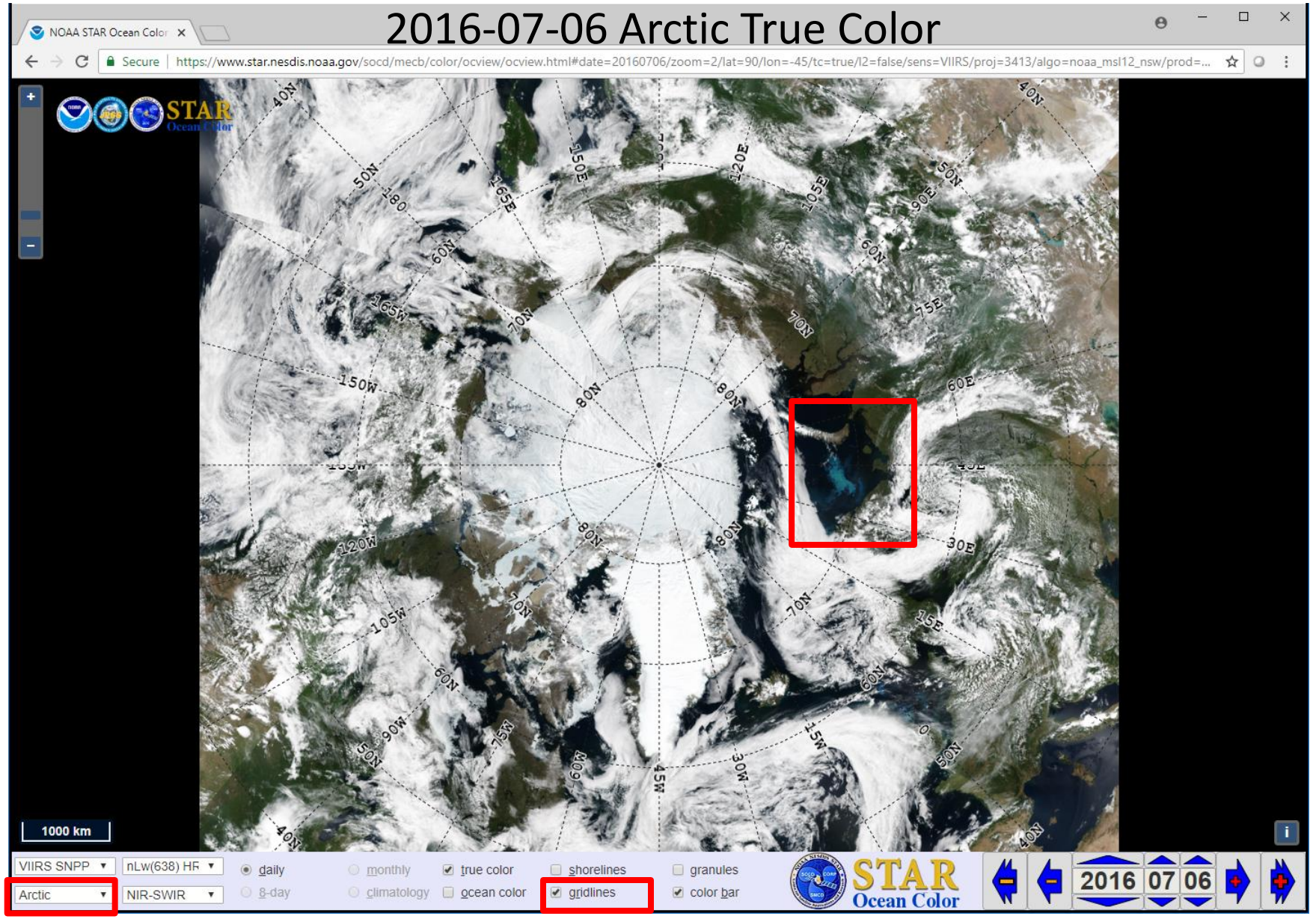


VIIRS SNPP + NOAA-20

Chlorophyll-a

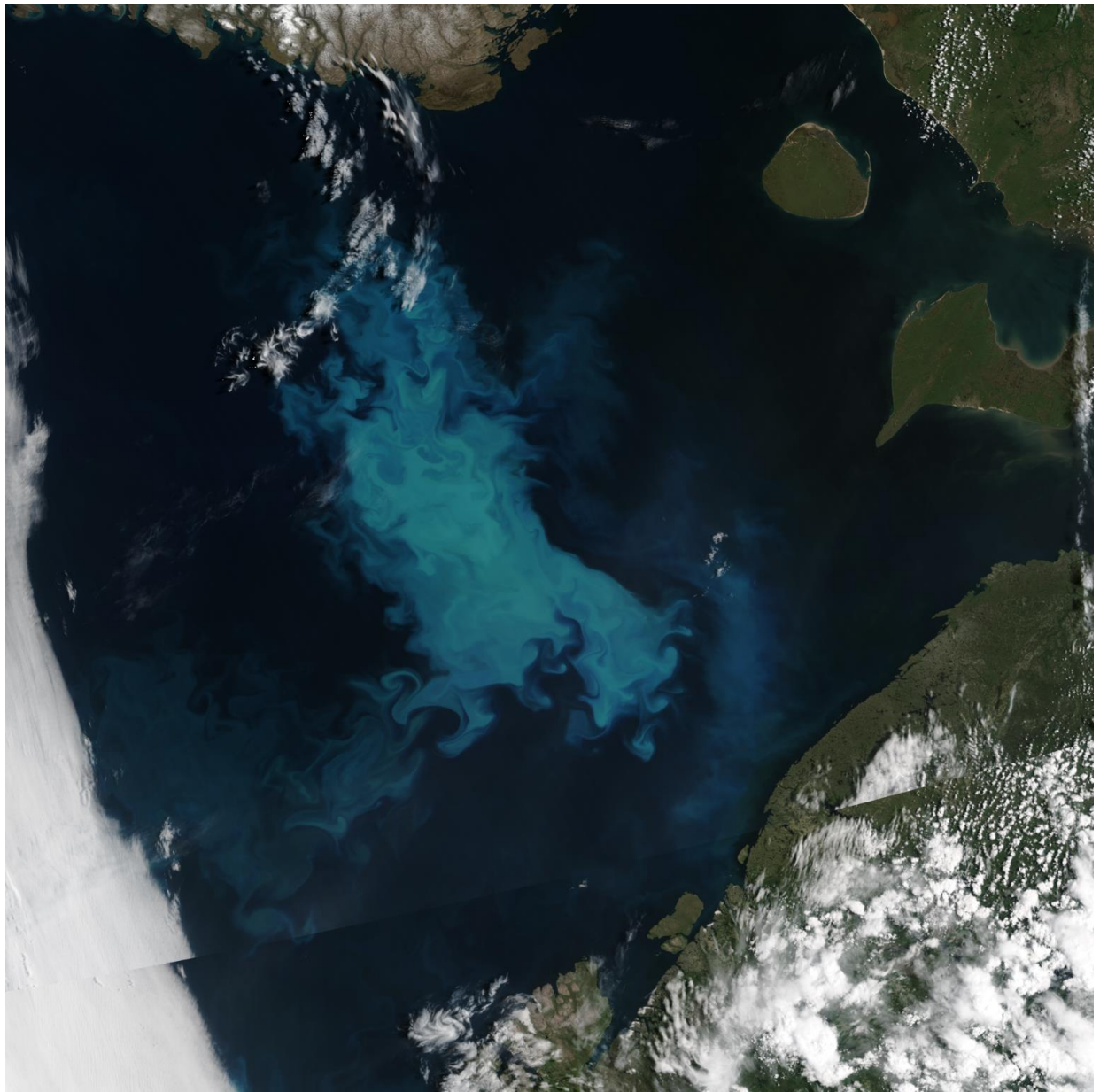


OCView Polar Projections



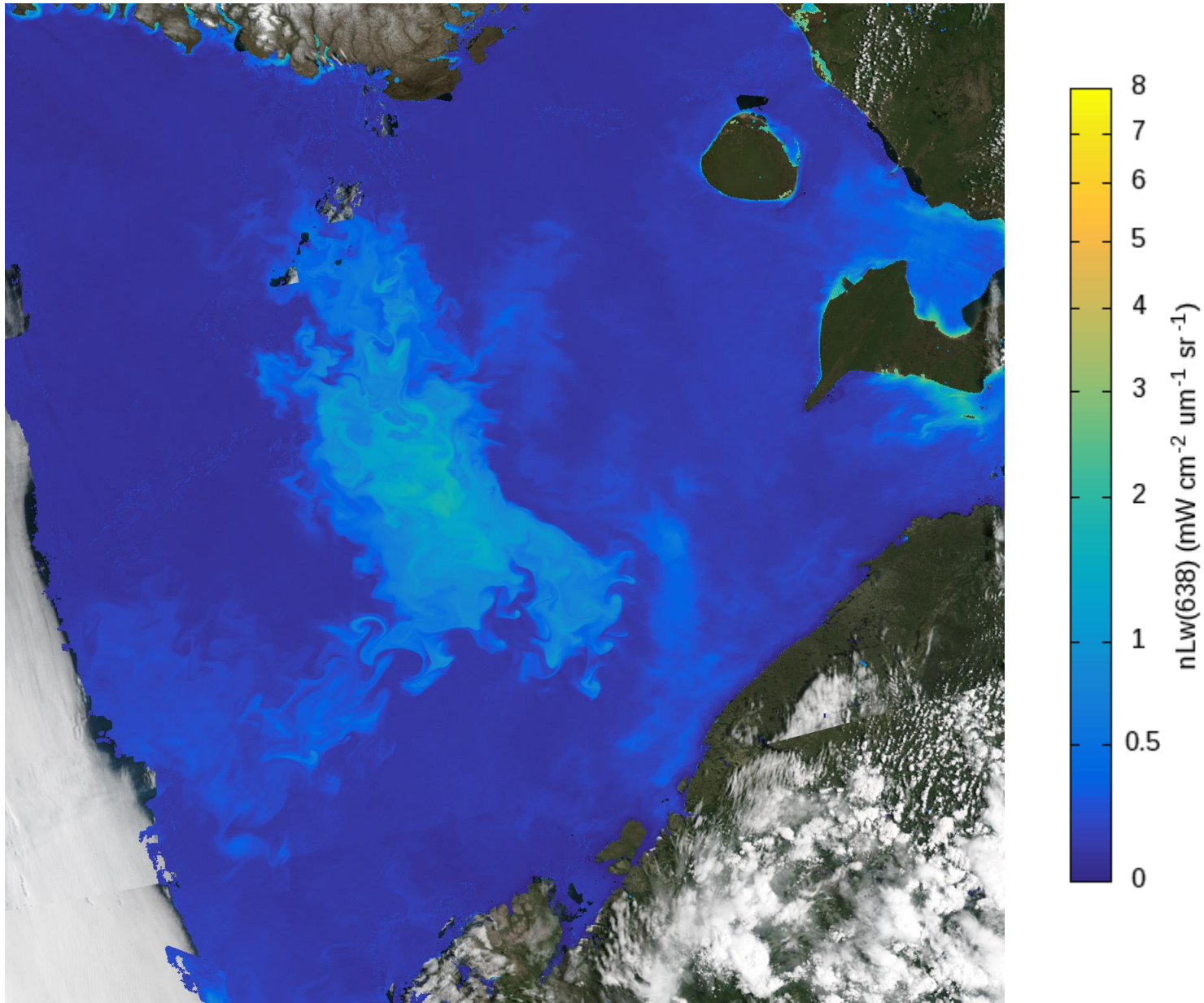
OCView Polar Projections

2016-07-06 Barents Sea True Color



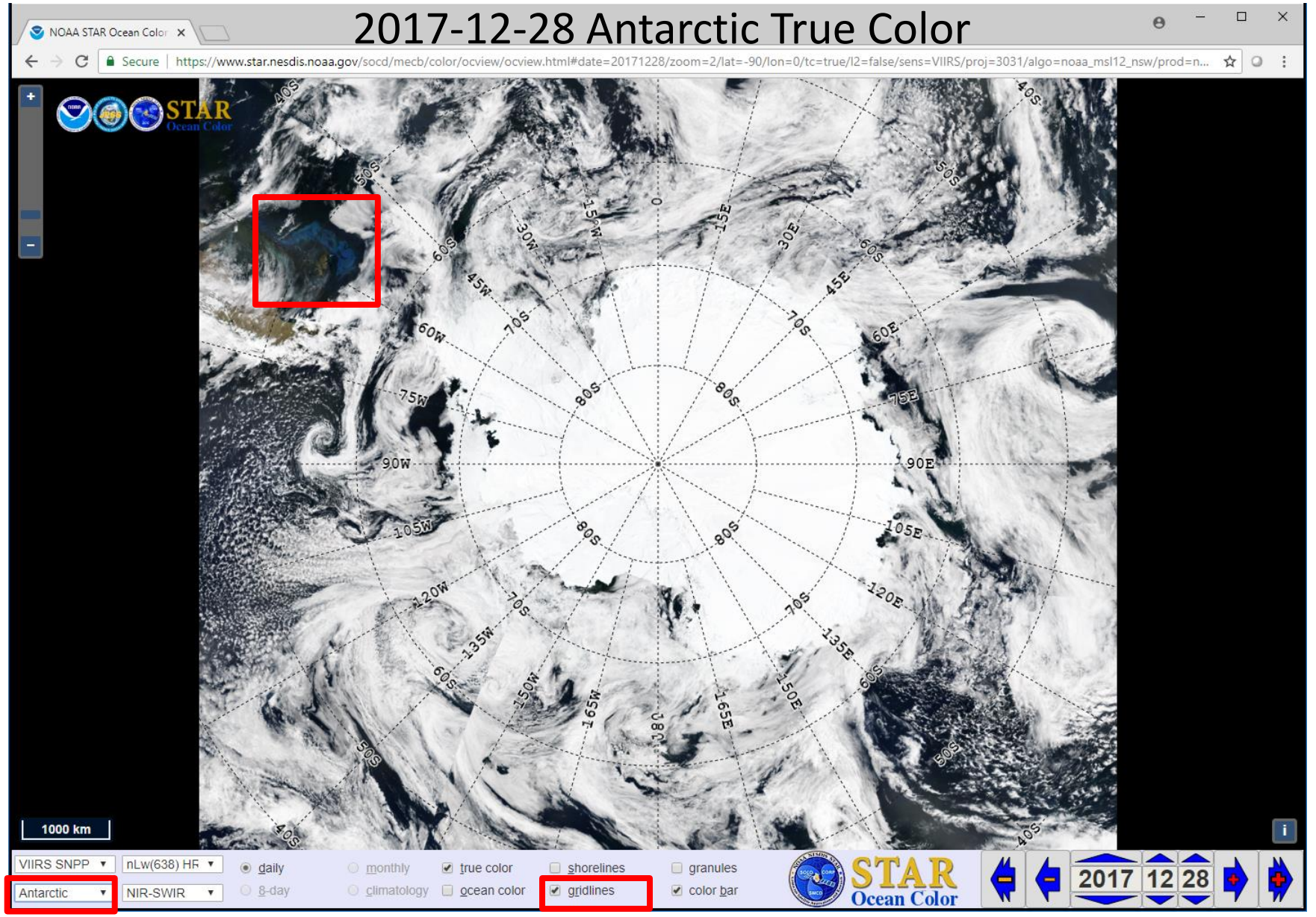
OCView Polar Projections

2016-07-06 Barents Sea True Color + nLw(638)



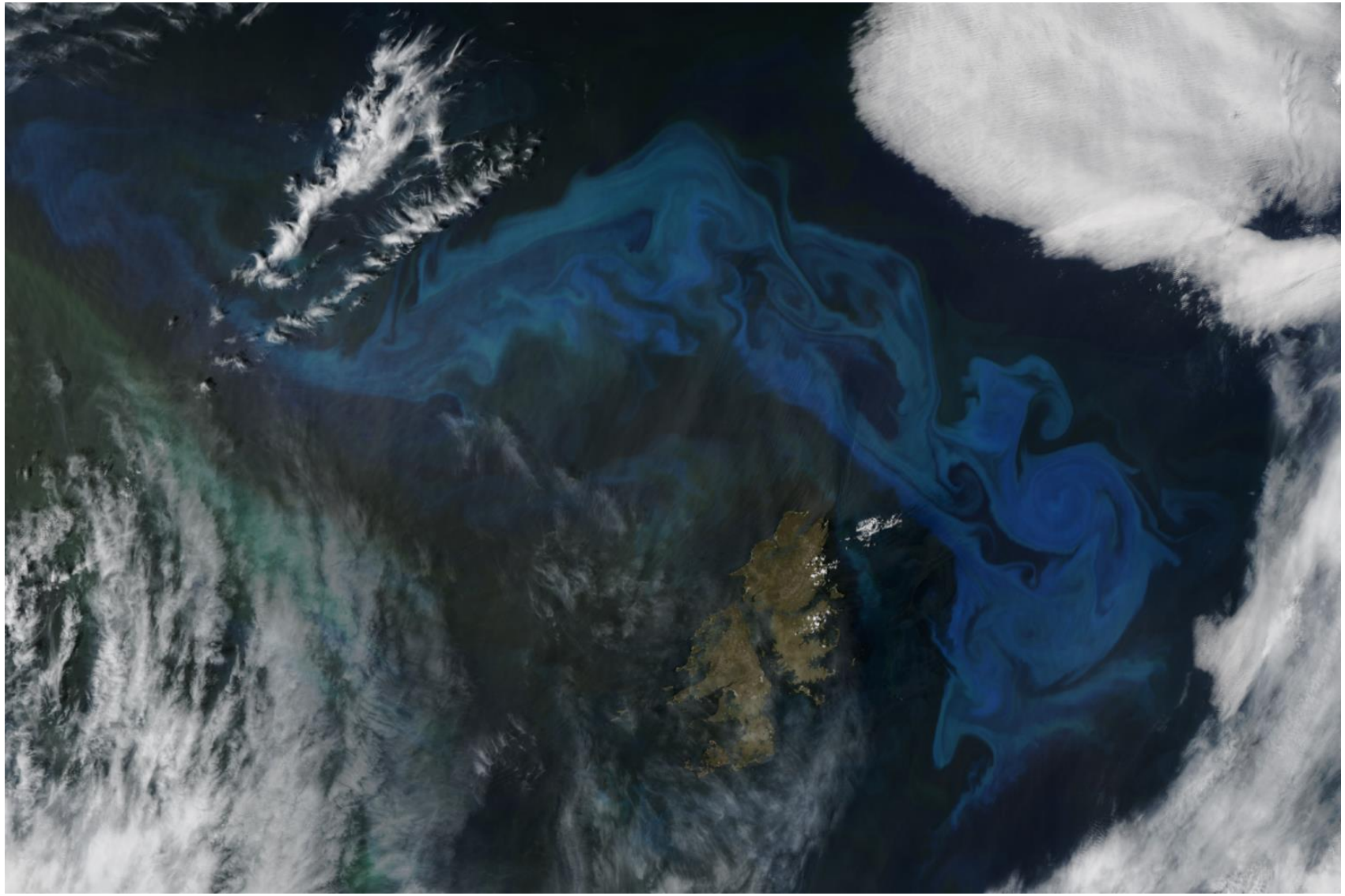
OCView Polar Projections

2017-12-28 Antarctic True Color

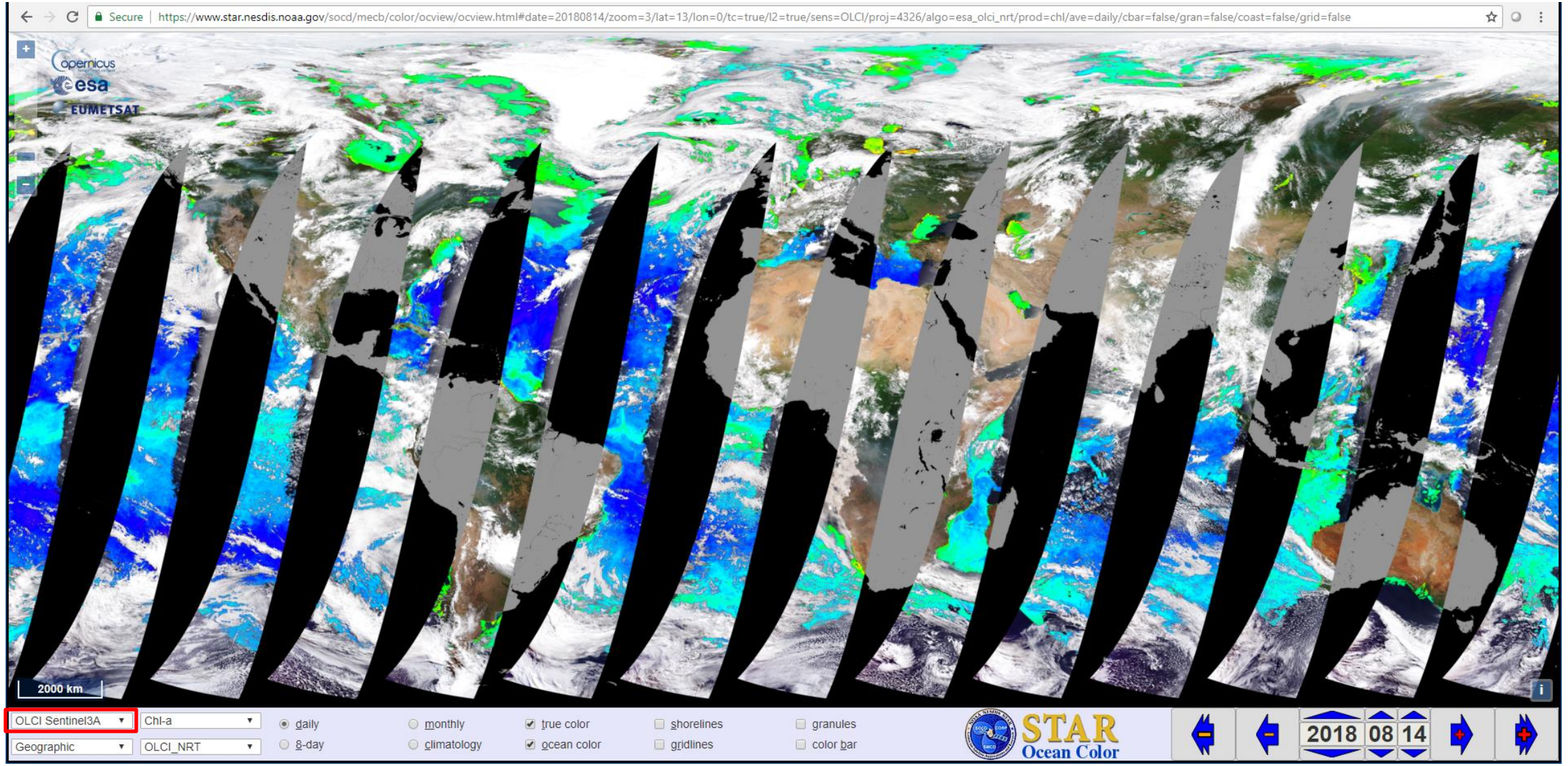


OCView Polar Projections

2017-12-28 Falklands algae bloom

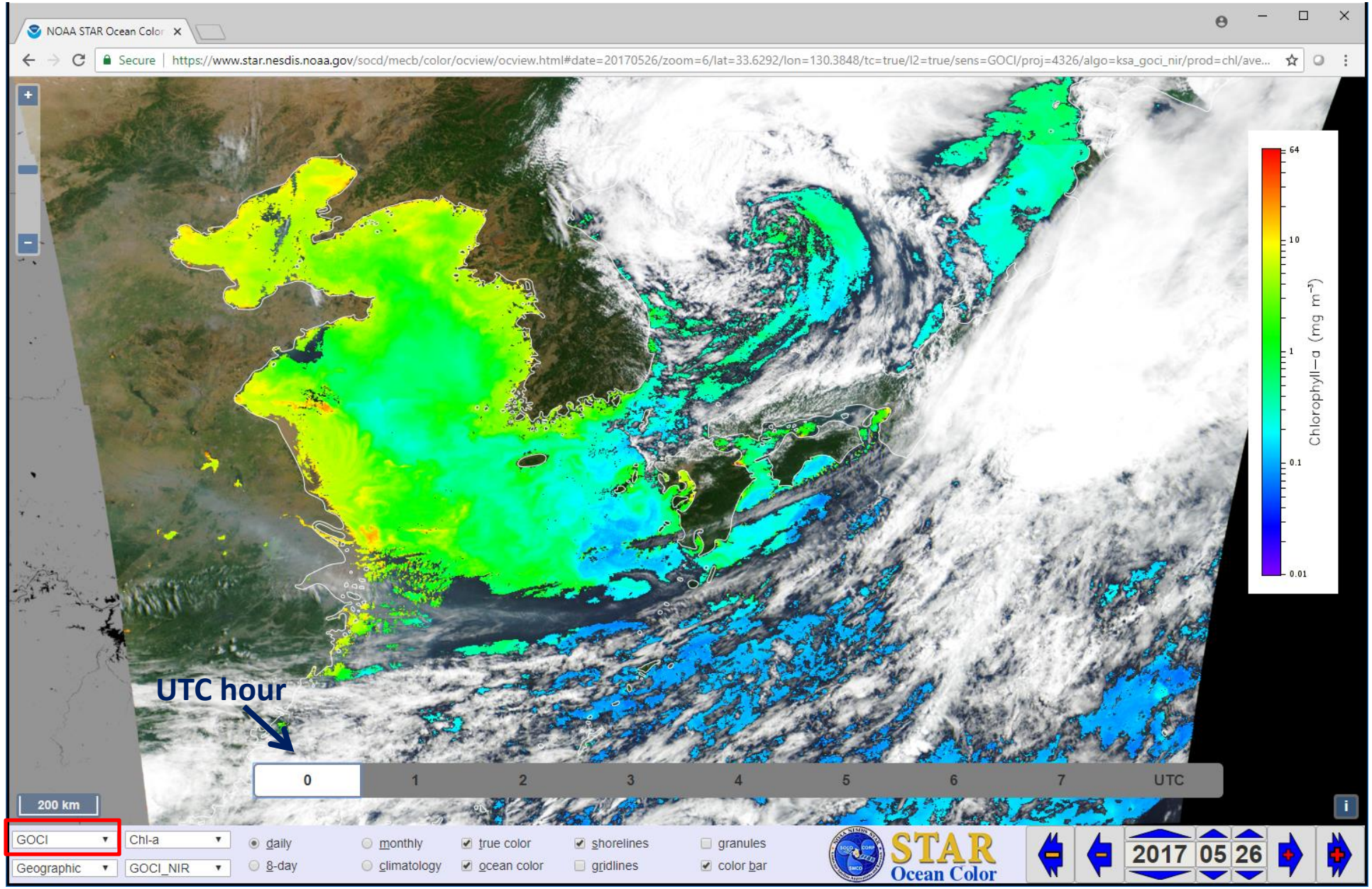


Sentinel-3A OLCI

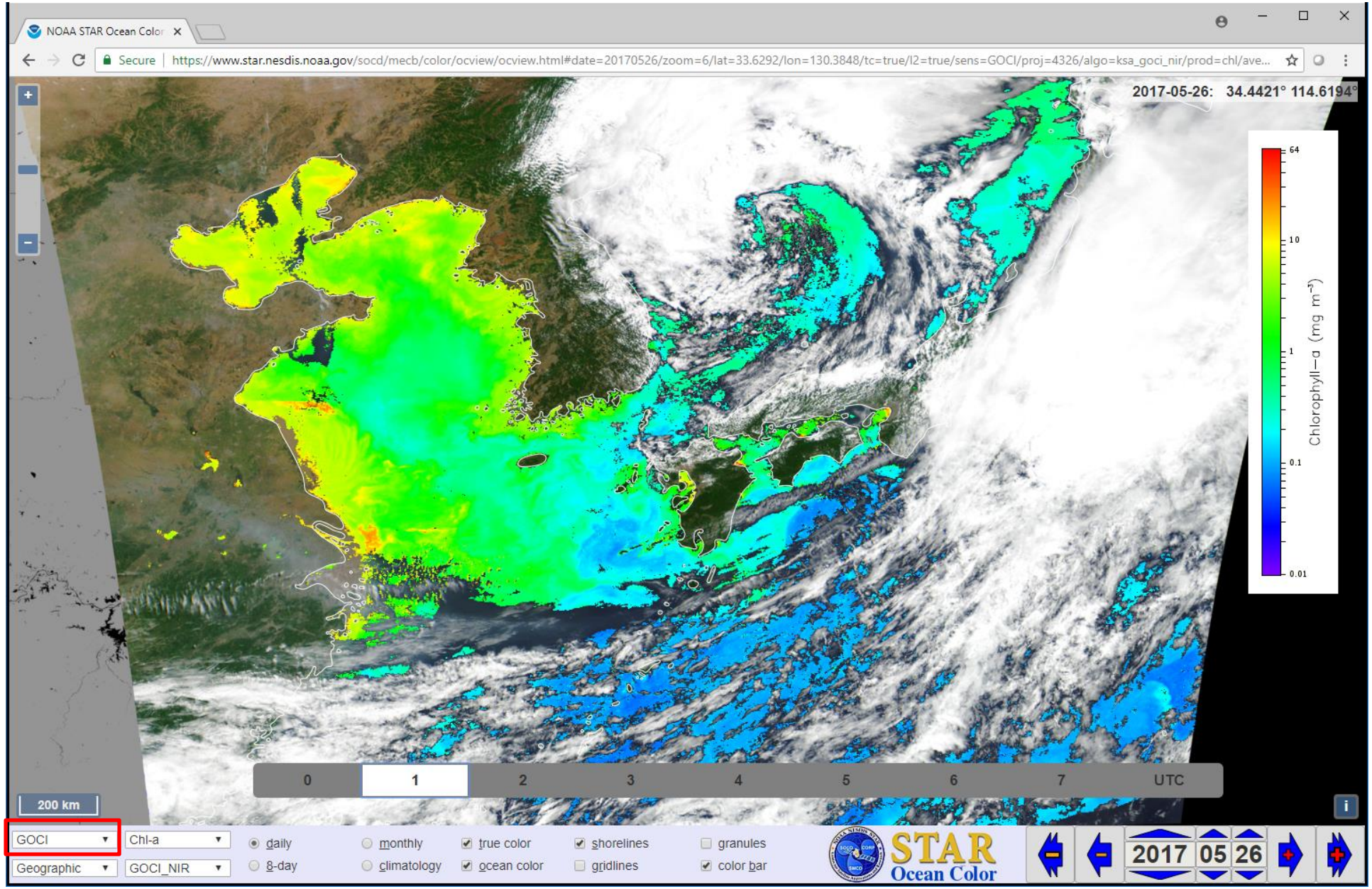


- Mission long imagery archive for S3A true color on OCView (and some ESA/EUMETSAT produced L2 data)
- Sentinel-3B launched on April 25, 2018 and is going to improve OLCI daily coverage

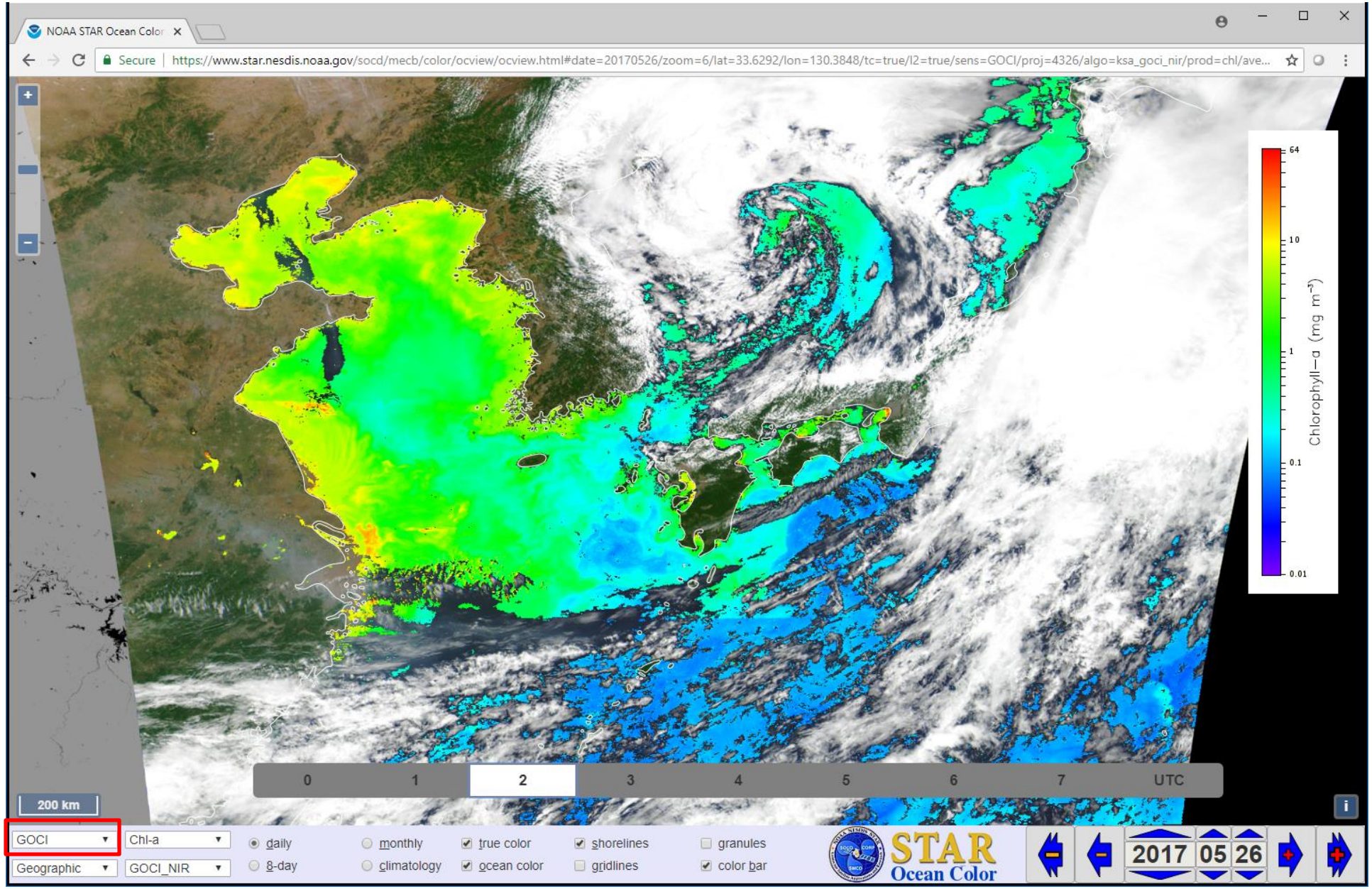
GOCI true color + NOAA MSL12 Chlor-a



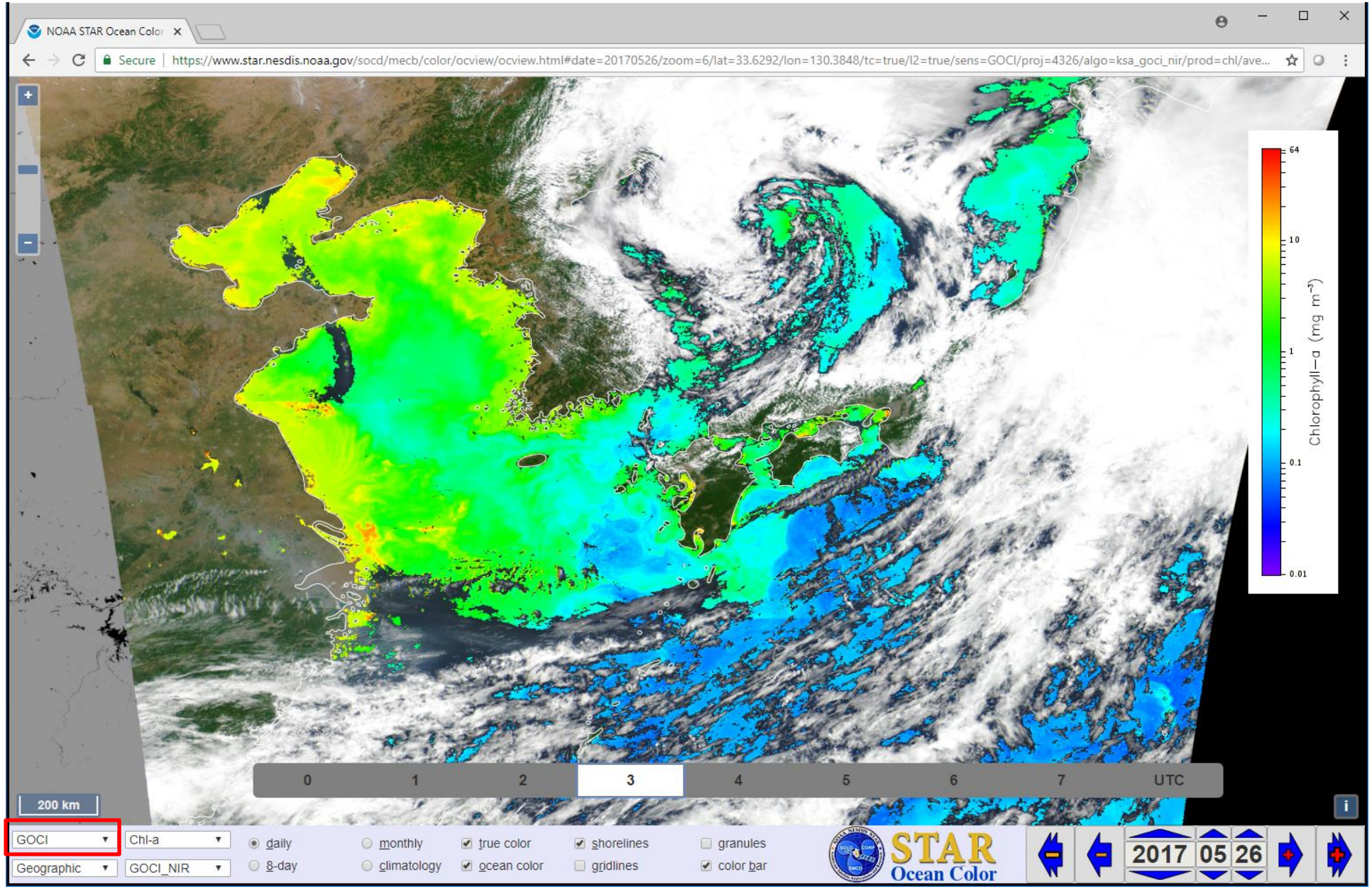
GOCI true color + NOAA MSL12 Chlor-a



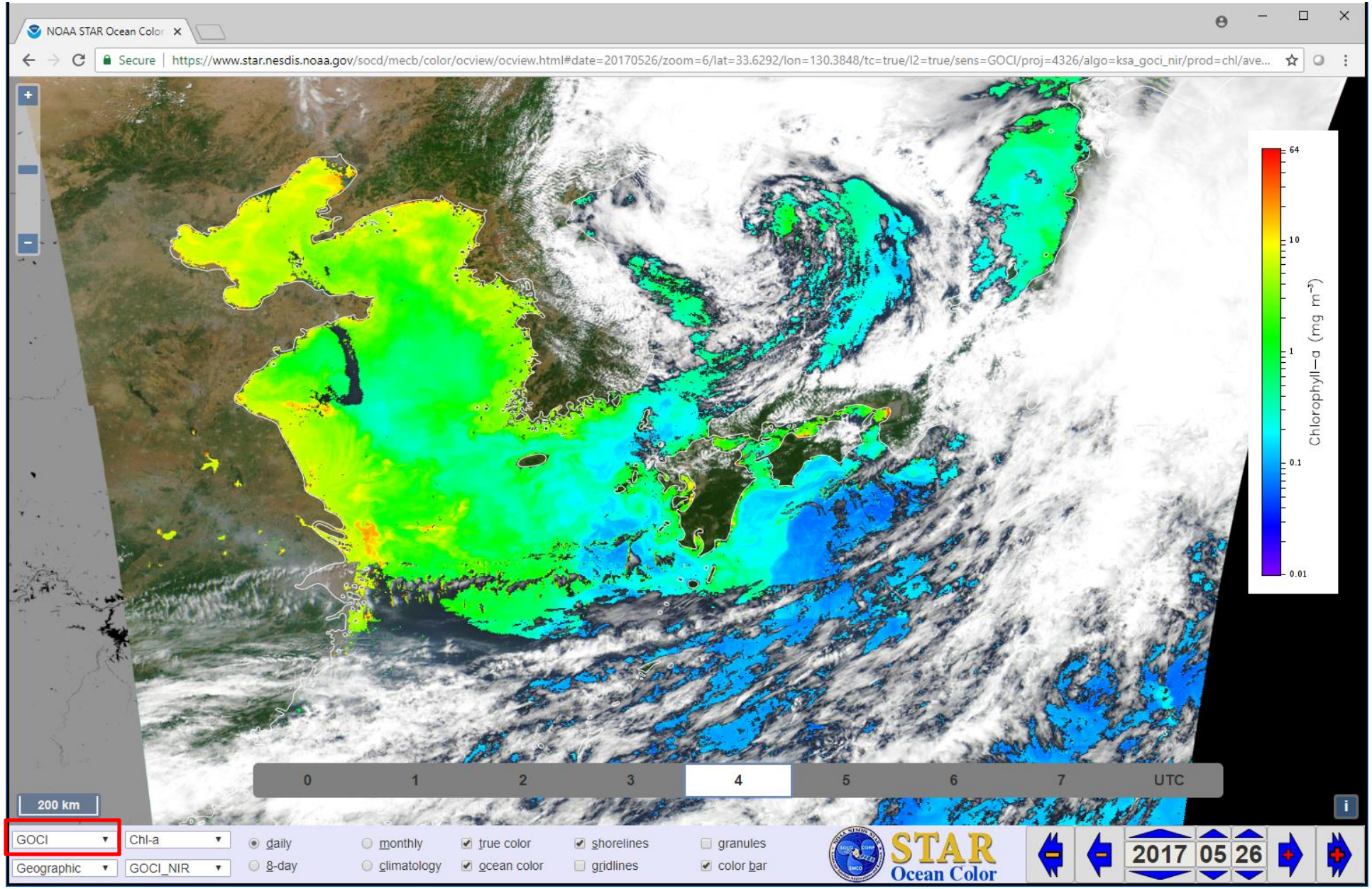
GOCI true color + NOAA MSL12 Chlor-a



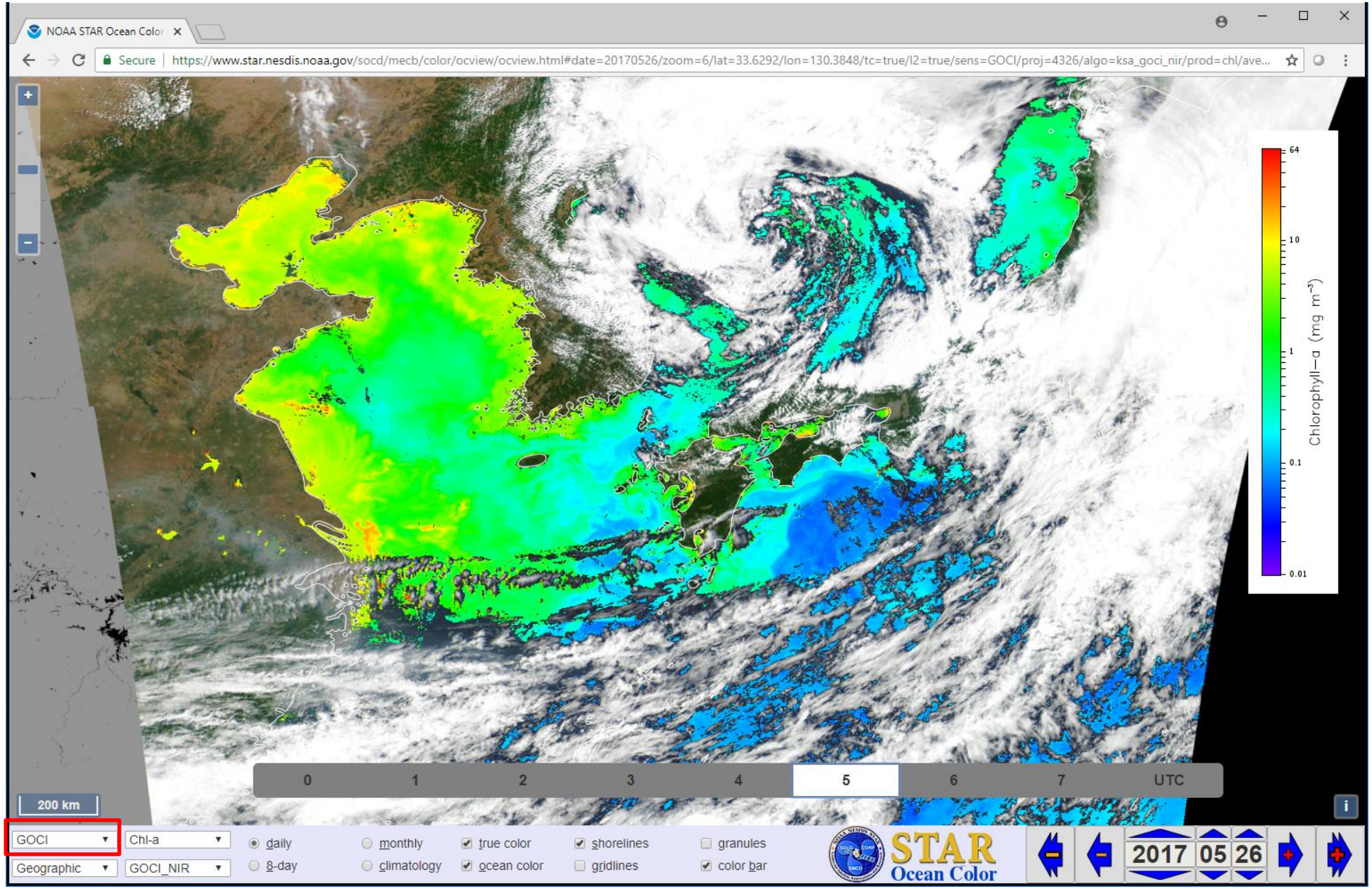
GOCI true color + NOAA MSL12 Chlor-a



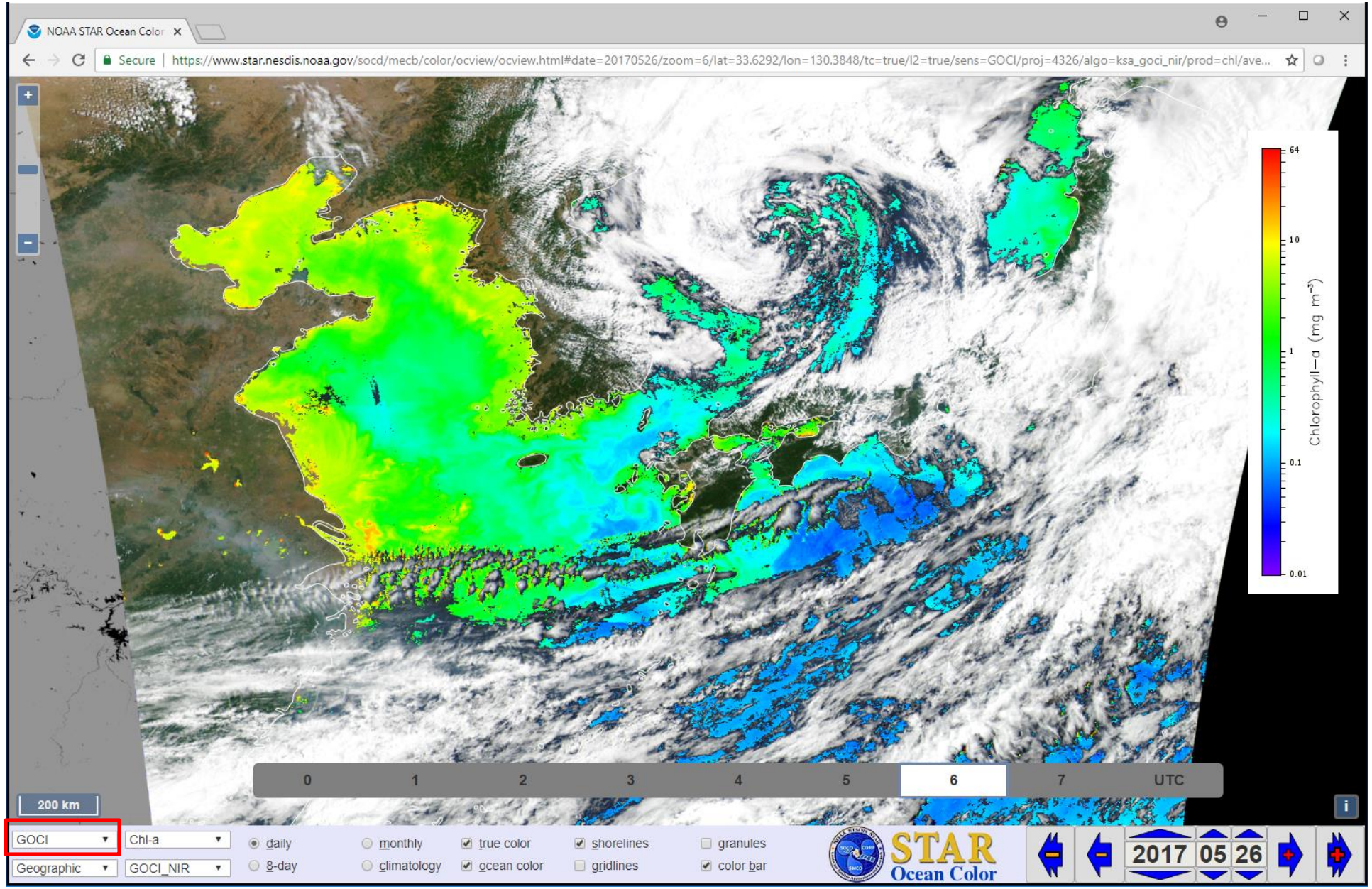
GOCI true color + NOAA MSL12 Chlor-a



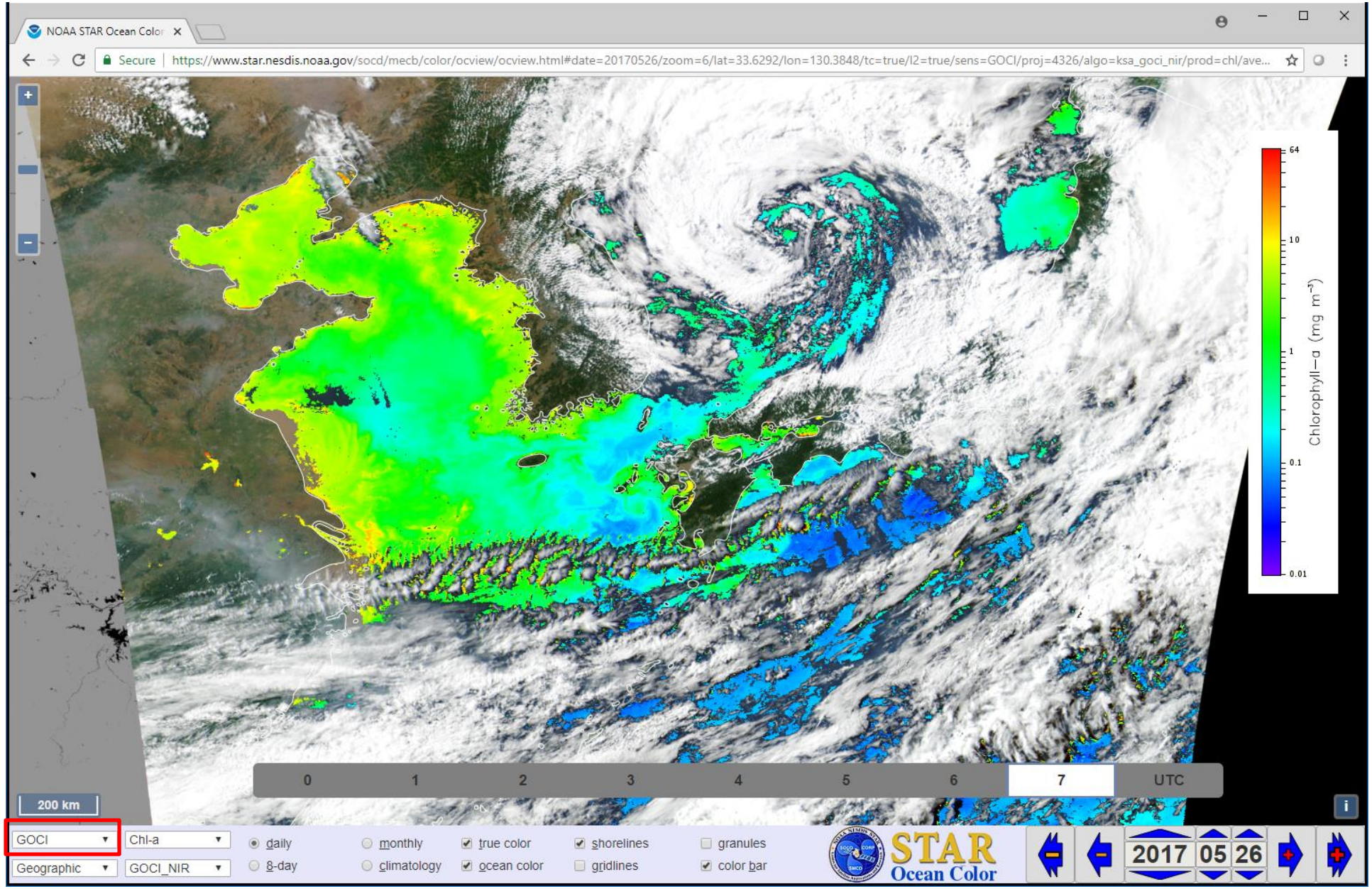
GOCI true color + NOAA MSL12 Chlor-a



GOCI true color + NOAA MSL12 Chlor-a



GOCI true color + NOAA MSL12 Chlor-a



Summary

1. OCView is great, please use it, and send us your feedback!
2. It serves not only as interactive monitoring tool, but also for public engagement, and some quality control
3. IT support is important



Thank you!

https://www.star.nesdis.noaa.gov/socd/mecb/color/ocview/ocview.html