

OCView – Online display and monitoring of ocean color product imagery

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STAR JPSS
2016 Annual Science Team Meeting
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NOAA Ocean Color Science Team web page

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

NOAA STAR Ocean

star.nesdis.noaa.gov/socd/mecb/color/index.php

NOAA STAR CENTER FOR SATELLITE APPLICATIONS AND RESEARCH

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NOAA STAR Ocean Color Science Team

VIIRS Ocean Color Viewer

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Calibration / Validation

Team Publications

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- [Conference Proceedings](#)
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Software Download

News & Highlights

Useful Links

Internal Access

Data and images displayed on STAR sites are provided for experimental use only and are not official operational NOAA products. [More information>>](#)

Launch Ocean Color Viewer

Algae bloom near Falkland Islands on December 5, 2015

The ocean color science team in the Center for Satellite Applications and Research (STAR) of NOAA/NESDIS

OCView – Ocean Color Viewer

The screenshot displays the NOAA STAR Ocean Color Viewer interface. At the top, the browser address bar shows the URL: `star.nesdis.noaa.gov/socd/mecb/color/ocview/ocview.html#date=20160810/zoom=2/lat=0/lon=0/tc=true/l2=false/algo=noaa_msl12_nrt/prod=chl/ave=daily/cbar=false/gran=false/coast=true`. The main display area shows a global satellite image of Earth with ocean color data overlaid. A red arrow points from the text "true color imagery layer" to the "true color" checkbox in the bottom control panel. The control panel includes a scale bar (5000 km), an algorithm dropdown (NIR-NRT), a data type dropdown (Chl-a), and various checkboxes for "OC data", "daily", "monthly", "color bar", "true color", "8-day", "climatology", "shorelines", and "granules". The "true color" checkbox is checked. The bottom right of the control panel features time navigation buttons (left and right arrows) and a date display showing "2016 08 10". The NOAA STAR Ocean Color logo and "about OCView" link are also visible.

zoom control

global mission long imagery

scale

5000 km

Algorithm

OC data

daily

monthly

color bar

true color

8-day

climatology

shorelines

granules

time navigation

2016 08 10

STAR Ocean Color

about OCView

OCView – regional view

browser link gets automatically updated, and can be used to share or restore the view

OC data may not be retrieved due to:

- Clouds
- High glint
- High sensor zenith angle
- Other atmospheric conditions

available algorithms

daily Chl-a data enabled

MSL12:
NIR-NRT
NIR-SCI
SWIR
NIR-SWIR
NIR-SCI

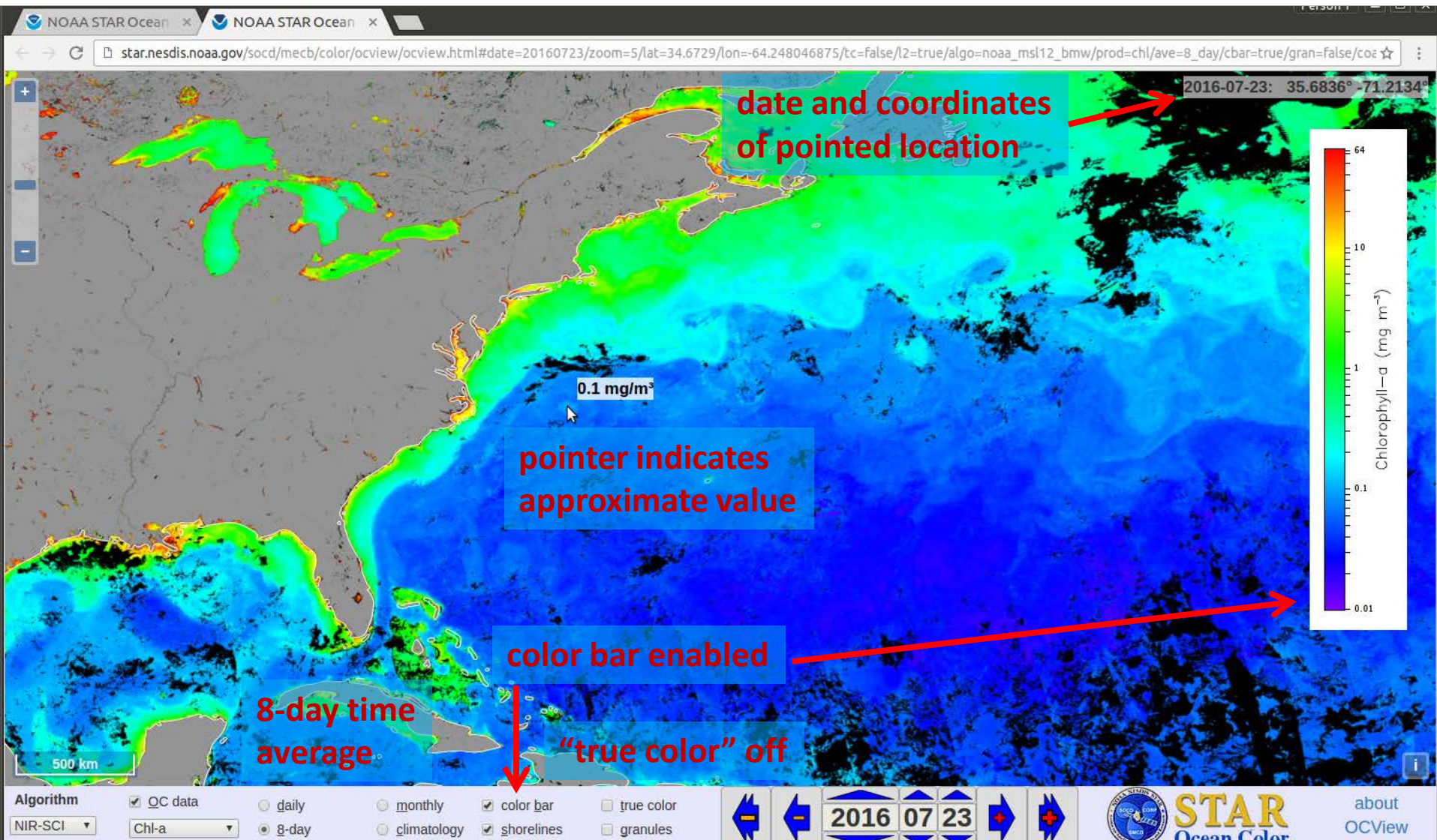
OC data daily monthly color bar true color
 8-day climatology shorelines granules

2016 07 23

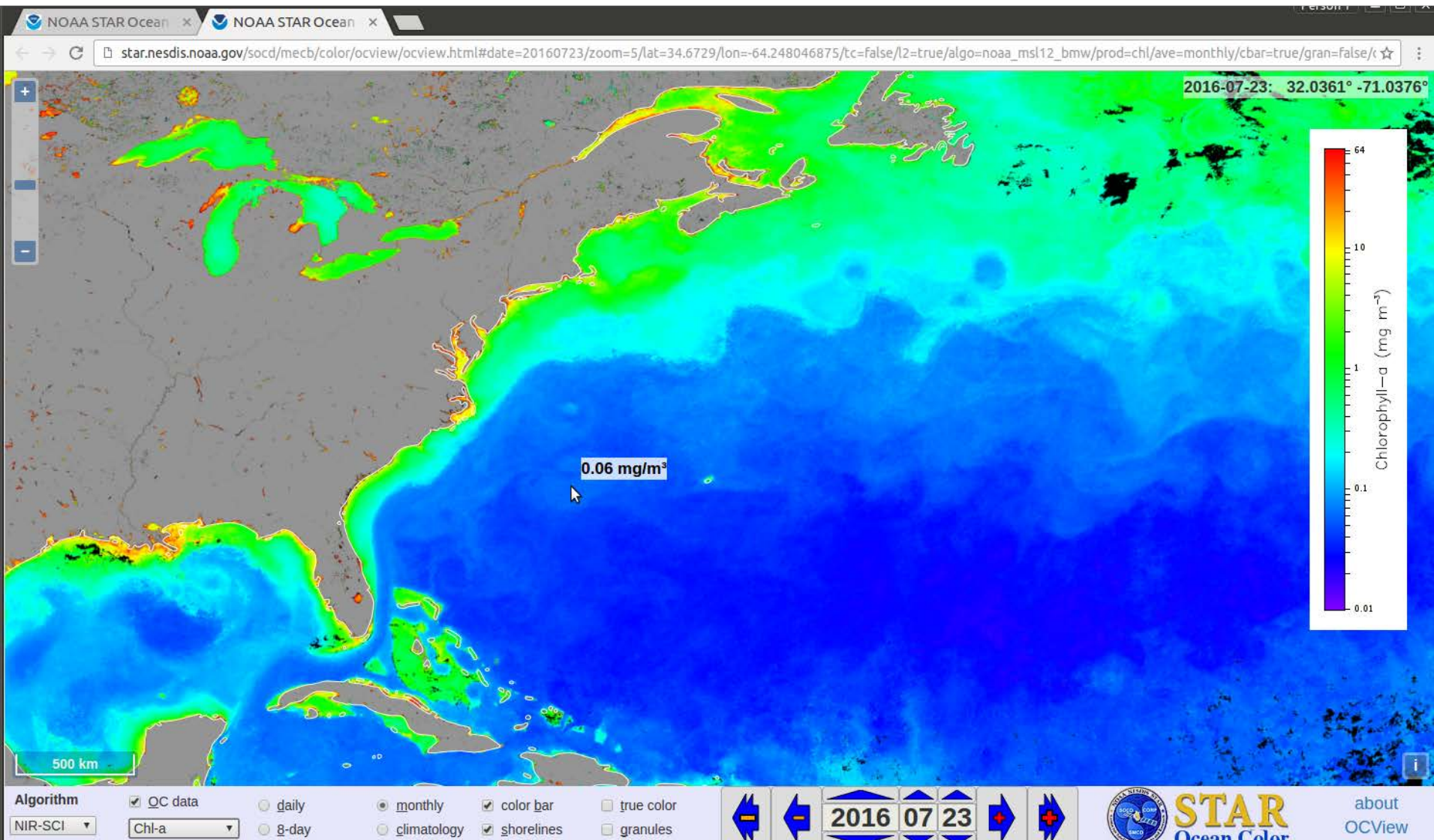
STAR Ocean Color

about OCView

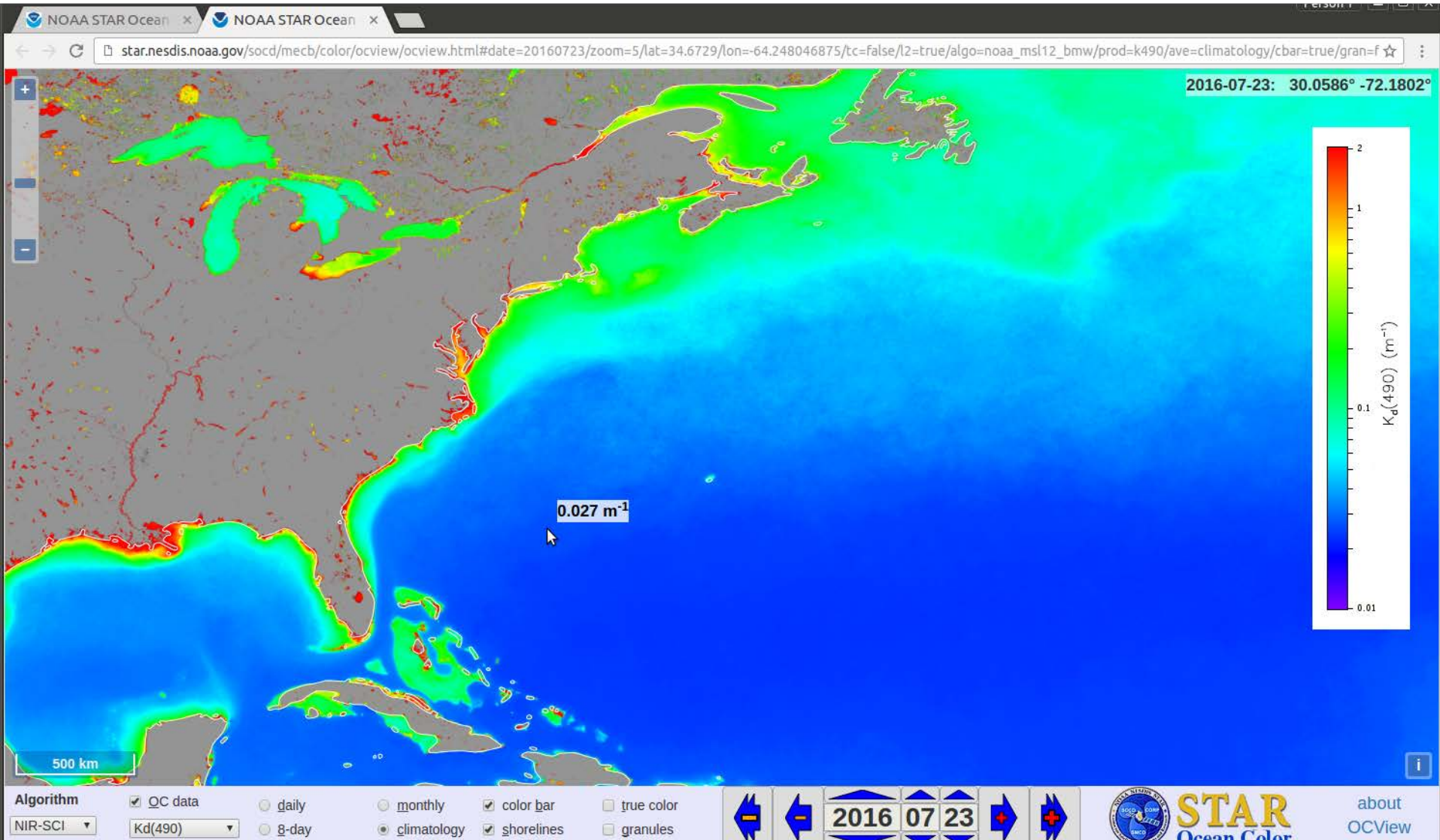
Chl-a 8 day time average



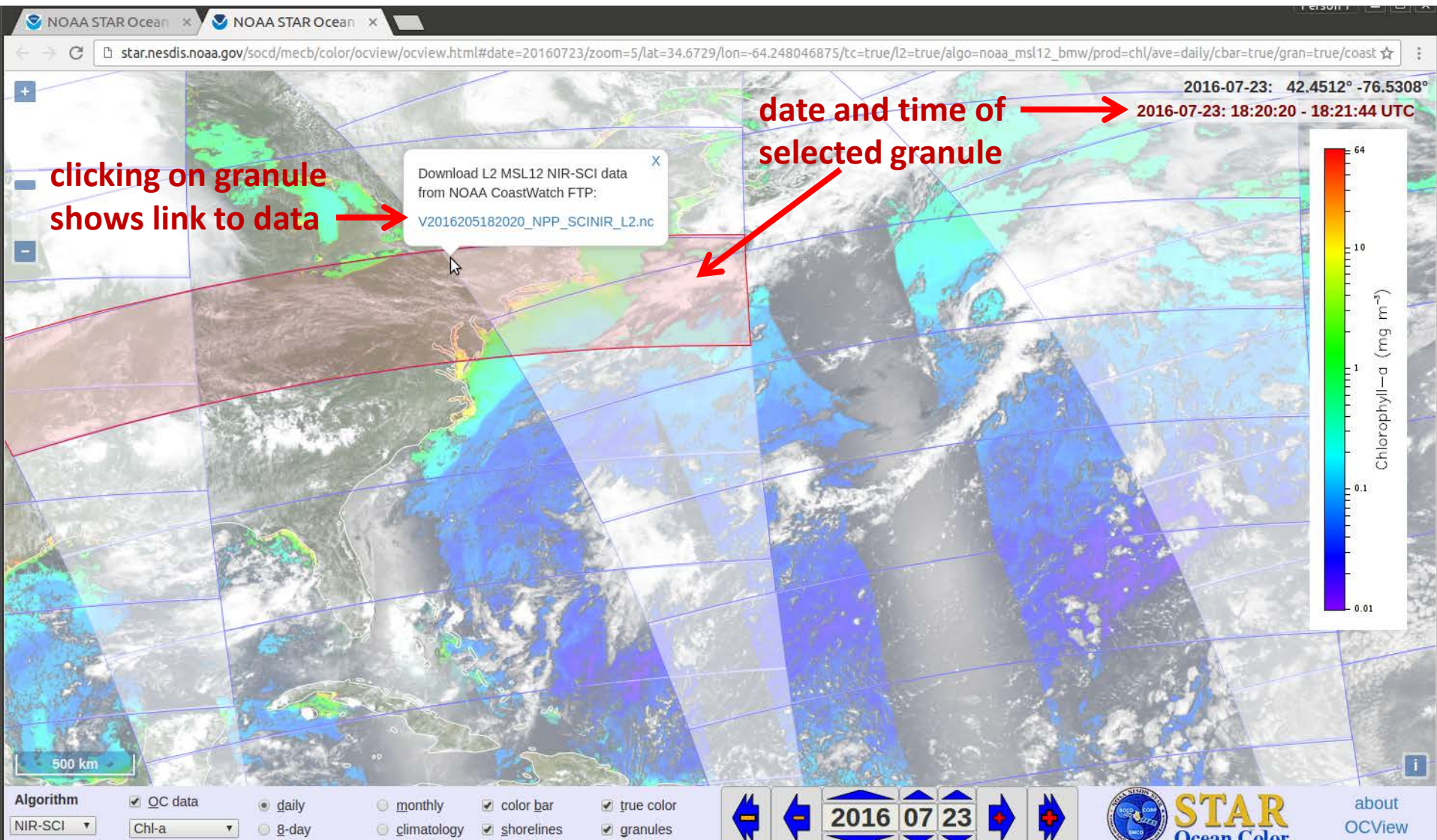
Chl-a monthly time average



$K_d(490)$ climatology



Granule display, selection, and download



granule overlay enabled

GOCI true color (development site)

NOAA STAR Ocean

star.nesdis.noaa.gov/socd/mecb/color/ocview/ocview_dev.html#date=20150525/zoom=6/lat=34.7168/lon=131.28662109375/tc=true/l2=false/sens=GOCI/algo=ksa_goci_nir/prod=chl/ave=daily/cbar=false/g

2015-05-25: 29.9927° 136.9885°

sensor selector

UTC hour selector

200 km

GOCI

GOCI_NIR

QC data

daily

monthly

8-day

color bar

climatology

shorelines

true color

granules

2015 05 25

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about OCView