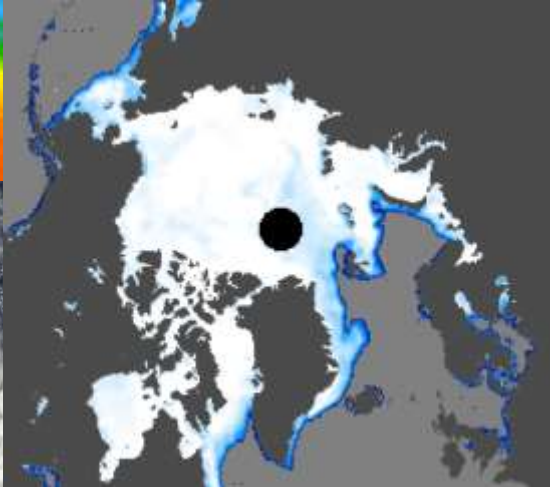
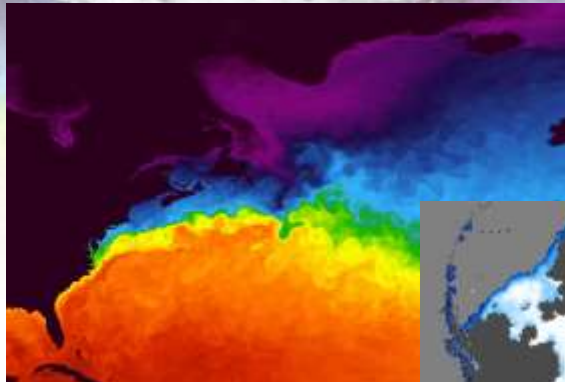
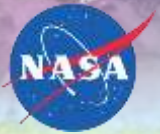


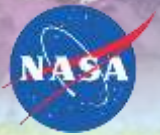
NASA GIBS & Worldview

Discover our Trove of Visualizations

Matthew Cechini¹, Ryan Boller², Katie Baynes²







Global Imagery Browse Services (GIBS)





Worldview

NASA WORLDVIEW

Layers (6)

All

- Aerosol Optical Depth
- Aerosol Single Scattering Albedo
- Areas of No Data (mask)
- Blue Marble
- Brightness Temperature
- Carbon Monoxide
- ...

Air Quality

- Aerosol Optical Depth
- Carbon Monoxide
- Corrected Reflectance
- Dust Score
- Fires and Thermal Anomalies
- Nitric Acid
- ...

Ash Plumes

- Aerosol Optical Depth
- Corrected Reflectance
- Fires and Thermal Anomalies
- Land Surface Reflectance
- Sulfur Dioxide
- Volcano Hazard

Drought

- Corrected Reflectance
- Dams
- Drought Hazard
- Land Surface Reflectance
- Land Surface Temperature
- Precipitation Estimate
- ...

Dust Storms

- Aerosol Optical Depth
- Dust Score
- Corrected Reflectance
- Land Surface Reflectance

Fires

- Aerosol Optical Depth
- Fires and Thermal Anomalies
- Carbon Monoxide
- Corrected Reflectance
- Earth at Night
- Land Surface Reflectance
- ...

Floods

- Corrected Reflectance
- Cloud Fraction
- Cloud Multi Layer Flag
- Cloud Phase
- Cloud Pressure
- Cloud Effective Radius
- ...

Severe Storms

- Corrected Reflectance
- Cloud Fraction
- Cloud Multi Layer Flag
- Cloud Phase
- Cloud Pressure
- Cloud Effective Radius

Shipping

- Corrected Reflectance
- Brightness Temperature
- Land Surface Reflectance
- Sea Ice
- Sea Surface Temperature

Smoke Plumes

- Aerosol Optical Depth
- Carbon Monoxide
- Corrected Reflectance
- Fires and Thermal Anomalies
- Land Surface Reflectance

Vegetation

- Corrected Reflectance
- Forests, Mangrove
- Freeze / Thaw
- Gross Primary Productivity
- Heterotrophic Respiration
- Land Surface Reflectance
- ...

Other

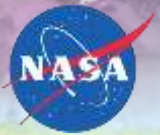
- Areas of No Data (mask)
- Blue Marble
- Brightness Temperature
- Chlorophyll a
- Dams
- Earth at Night
- ...

2016 NOV 07 < >

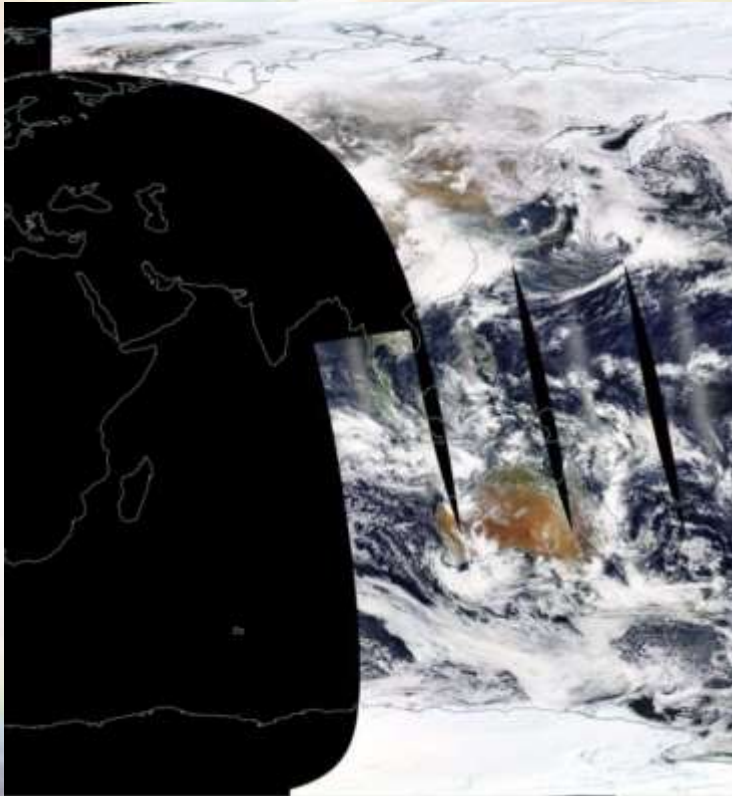
3750, -132.6094 EPSG:4326

2000 km
2000 mi

DAYS MONTHS

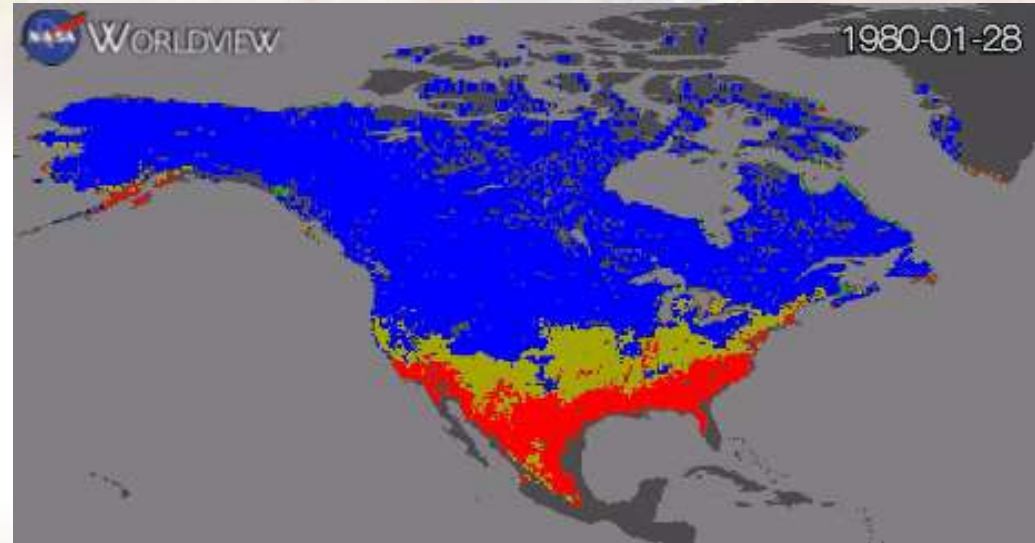


Near Real-Time



"Today's" True Color Imagery

Full Mission



Freeze/Thaw 1980 - 2010



EARTHDATA | land surface temperature | Temporal | Feedback | Earthdata Login

Back to Dataset Search

Project Datasets

Retrieve Project Data

MODIS/Aqua Land Surface Temperature/Emissivity 5-Min L2 Swath 1km V005

YEAR: MODIS/Aqua 2006

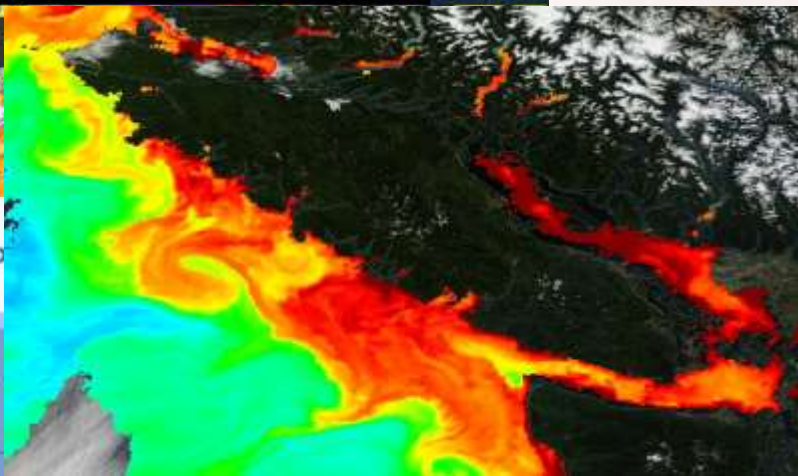


SCIENCE FOR THE CURIOUS

Discover

Record Algae Bloom Laced With Toxins is Flourishing in "The Blob" — and Spreading in the North Pacific

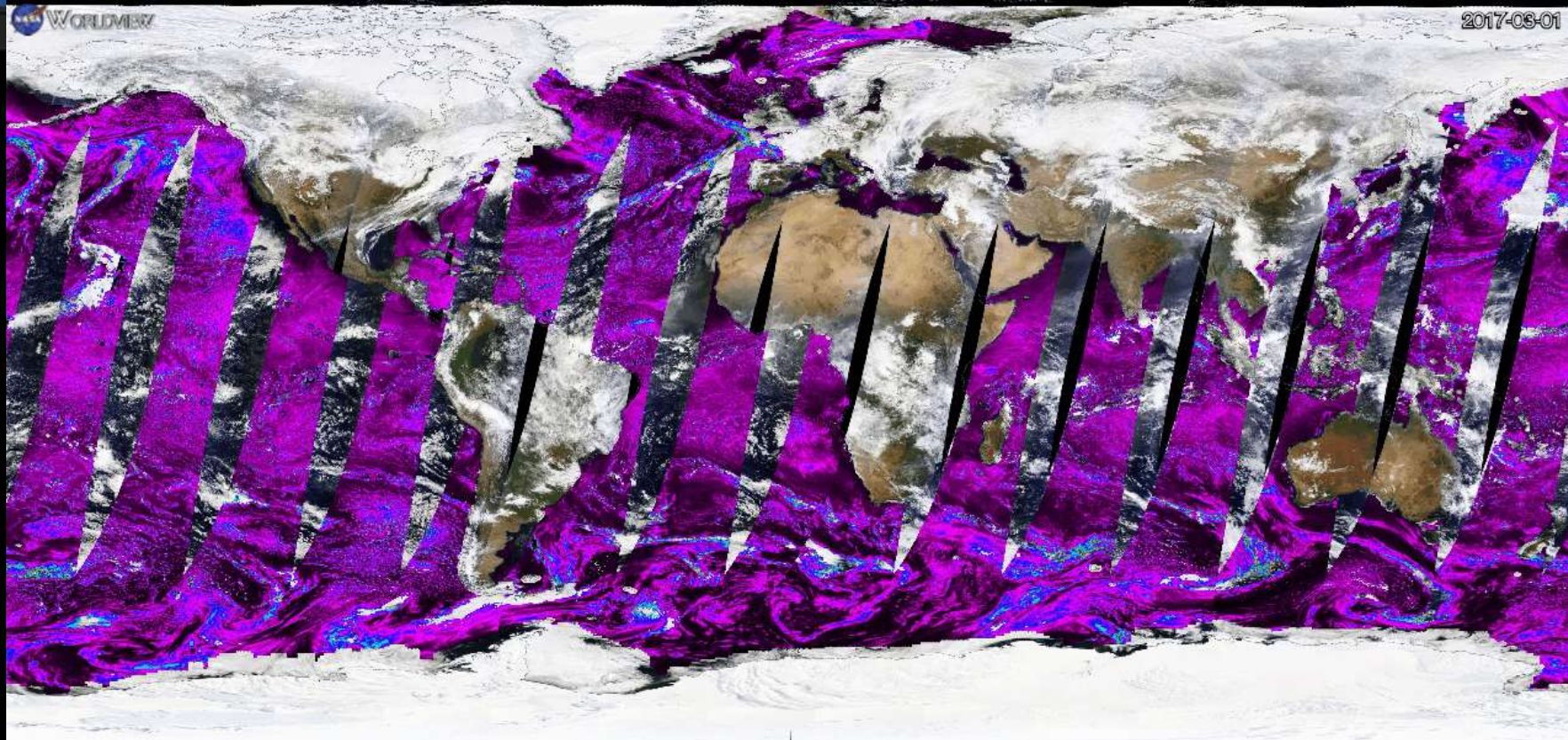
By Tom Ichniowski | August 6, 2015 6:44 pm



Tiempo y Clima @portalmeteo · Jul 15

#July16 #TYPHOONNANGKA over #Japan #NASAWORLD #JapanMeteorologicalAgency





00 km

-117.2085°, 196.1817° EPSG:4326

2017 MAR 01 ◀ ▶ 🎥

FEB 2017



MAR 2017

APR 2017

DAYS MONTHS YEARS

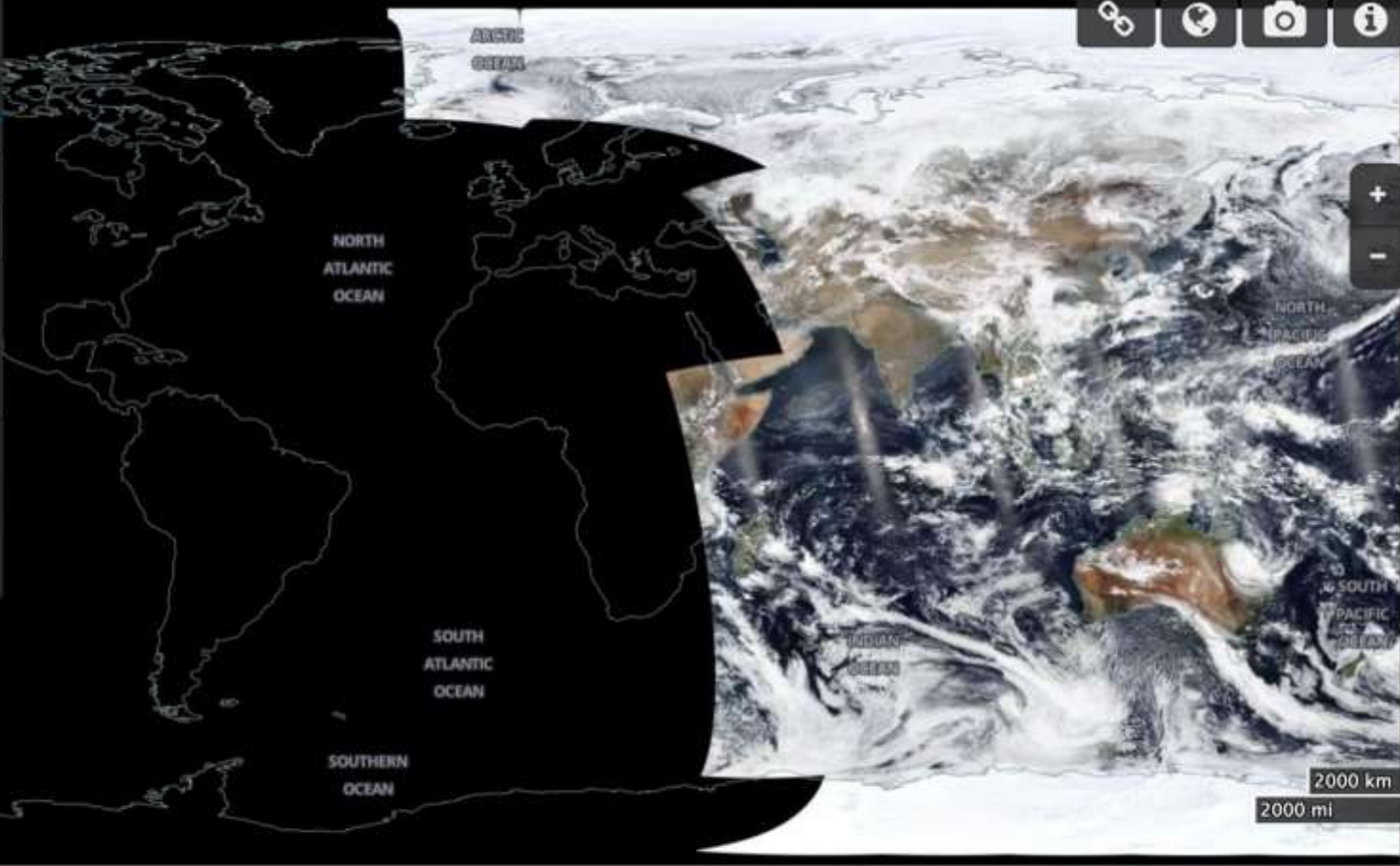
OVERLAYS

- Place Labels
© OpenStreetMap (license), Natural Earth
- Coastlines / Borders / Roads
© OpenStreetMap (license), Natural Earth
- Coastlines
© OpenStreetMap (license)

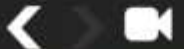
BASE LAYERS

- Corrected Reflectance (True Color)
Suomi NPP / VIIRS
- Corrected Reflectance (True Color)
Aqua / MODIS
- Corrected Reflectance (True Color)
Terra / MODIS

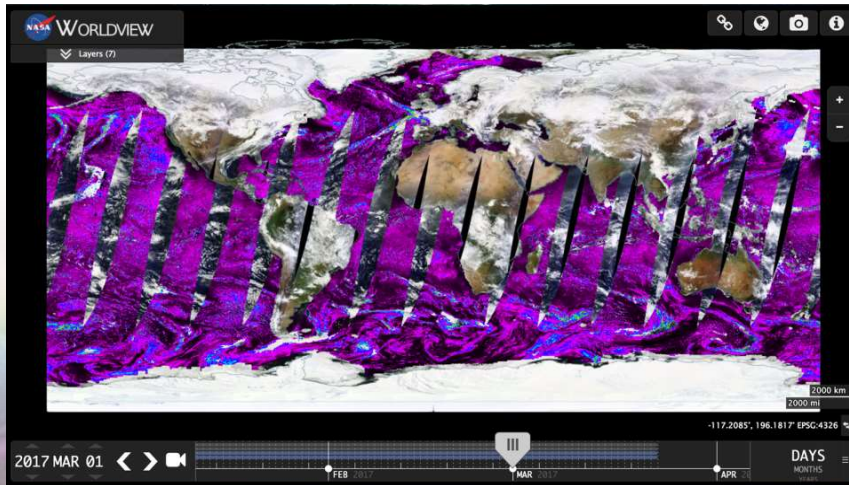
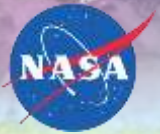
+ Add Layers



2017 MAR 29

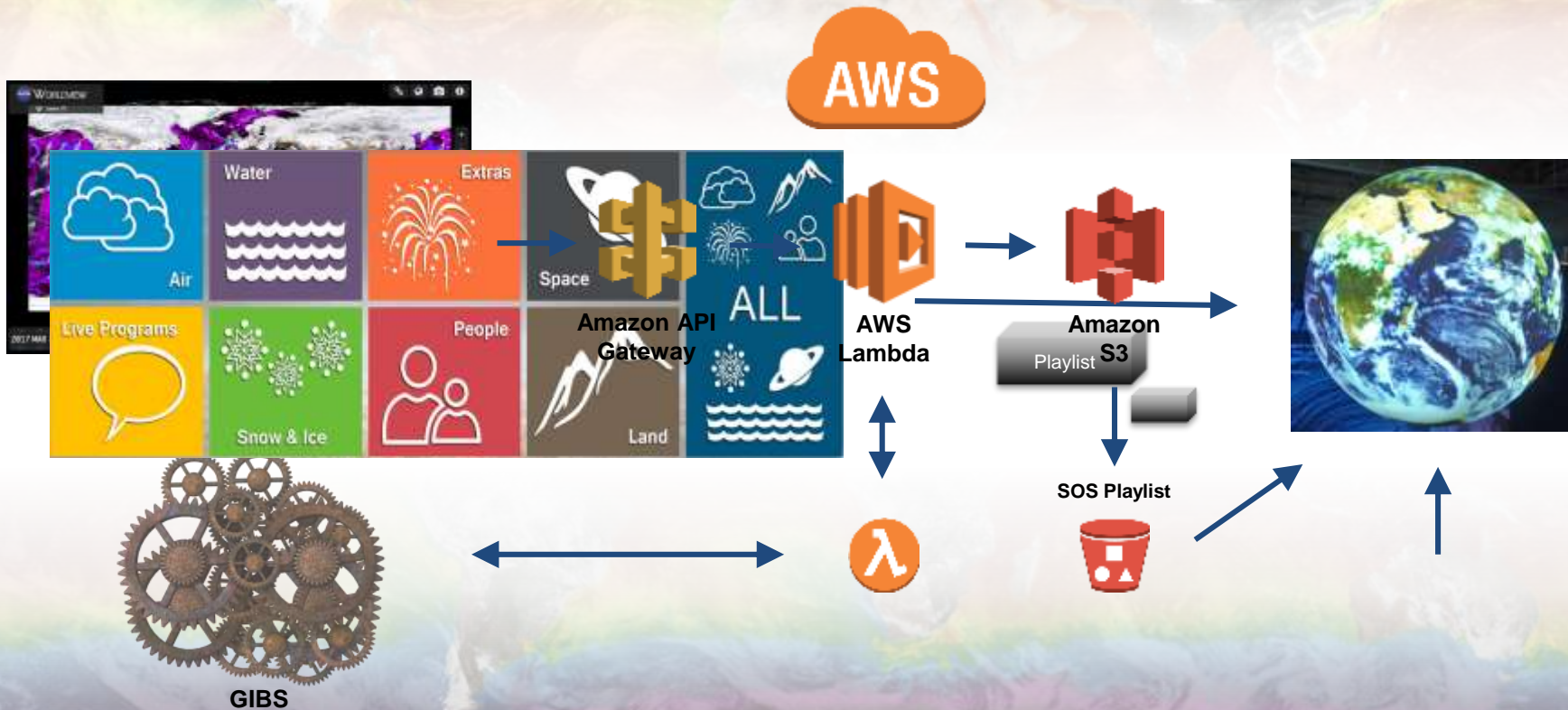


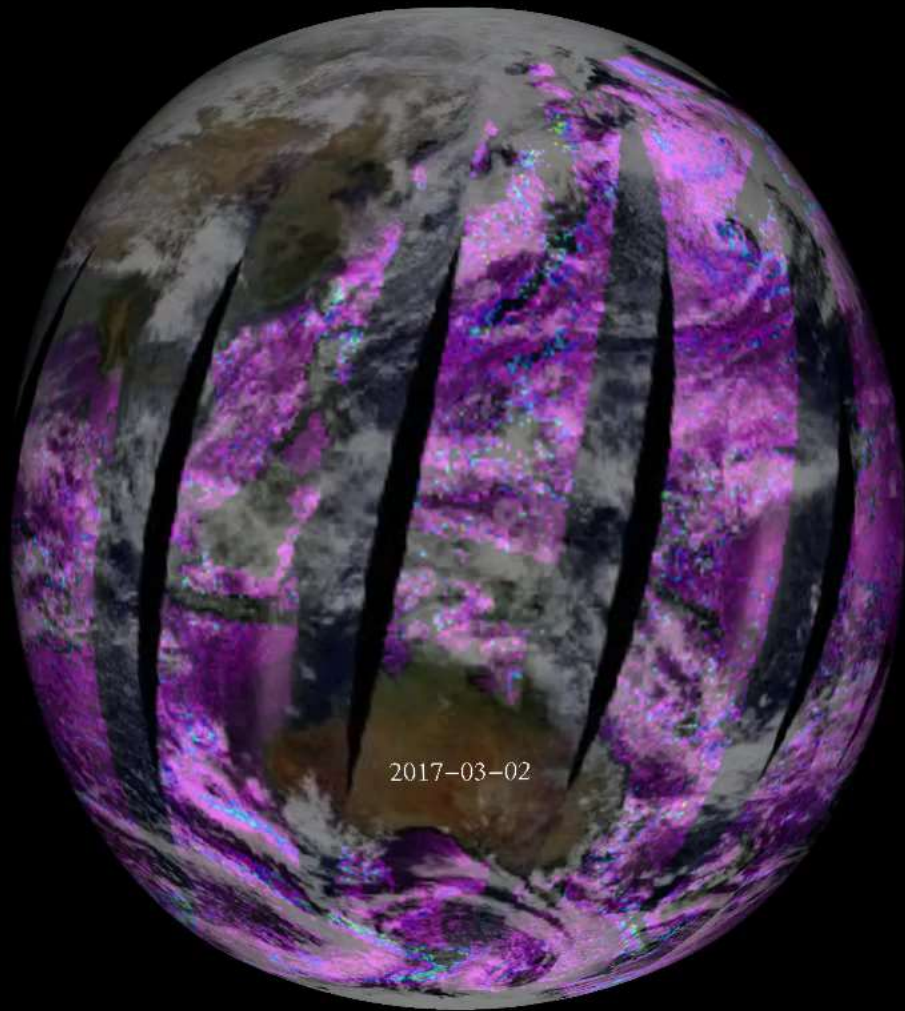
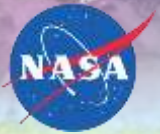
DAYS MONTHS YEARS





Prototype Capability





2017-03-02

For

tv

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What's next?

Is this something that the SOS community is interested in?



Is there interest in a shared catalog for NASA SOS datasets?

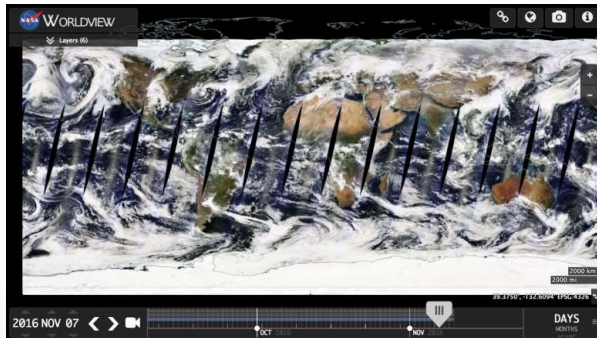
How can we make this simple for you to use?

Are there imagery products or periods (e.g. weekly) we don't have that you would like to see?



Thank You!

Worldview



<https://worldview.earthdata.nasa.gov>

GIBS



<https://earthdata.nasa.gov/gibs>

Email



support@earthdata.nasa.gov