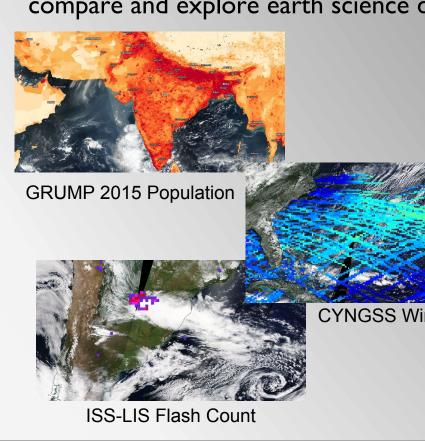


- True and False Color Surface Reflectance (8-Day and Daily)



MODIS Thermal Anomalies

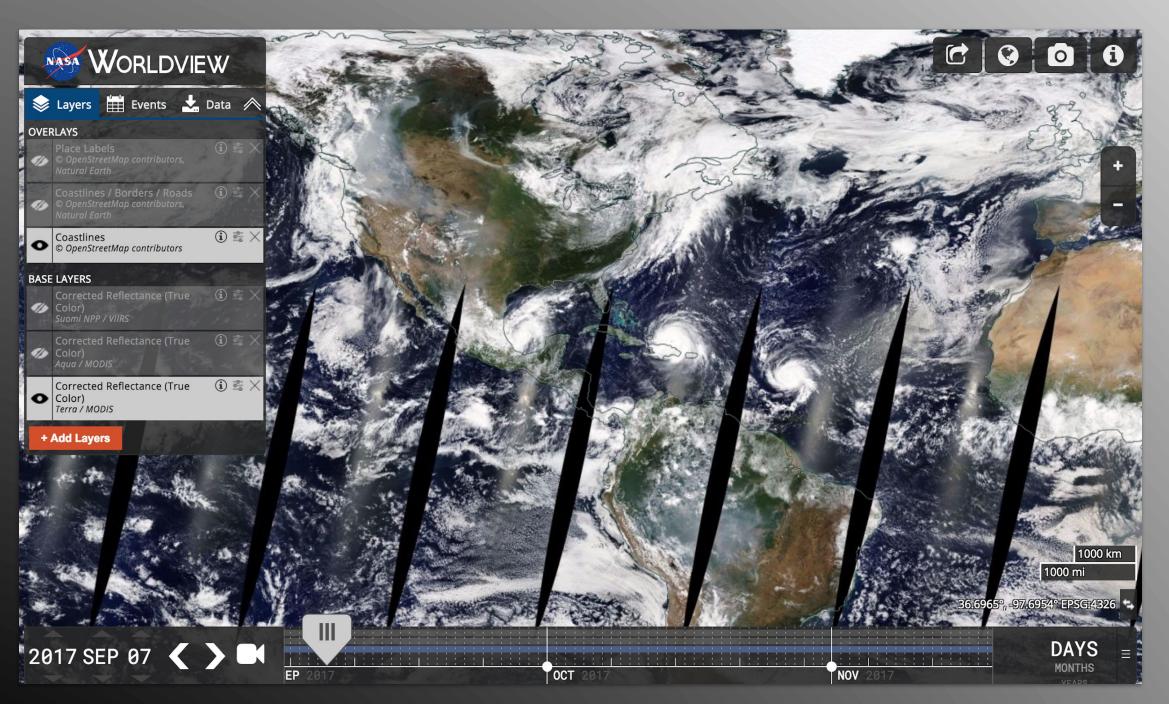
IJAN 01 🔇 🔪

add new products such as wind speed and

sea-ice drift.

• TRMM Brightness Temperature And Precipitation

• VIIRS Night Lights (Daily, Monthly, Annual)



Jason-3

Landsat-8

https://worldview.earthdata.nasa.gov

# Worldview Highlights

The Worldview team actively works with its community to add new features that benefit a continually expanding user community.

## **Comparison Mode**

Compare two imagery products from the same day, compare the same products "before" and "after", or compare whatever combination you like.





Above: using a vertical slider bar to compare the view of a wildfire petween MODIS "true color" visible imagery (left half of app) vs MODIS

"false color" infrared imagery (right half of app)

SMAP

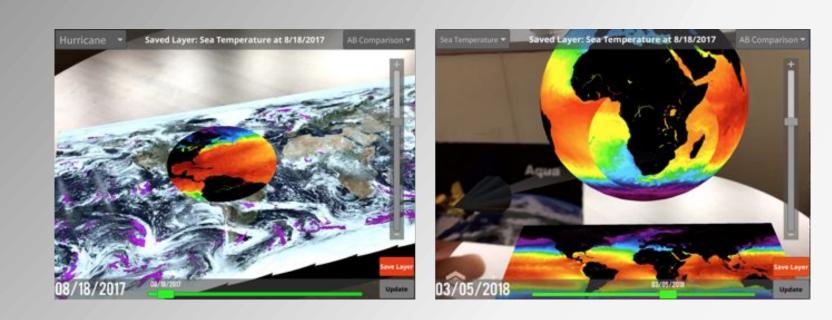
# Worldview Augmented Reality

Worldview AR utilizes GIBS, Unity3D and commodity devices to bring earth observing satellite imagery into the real world.

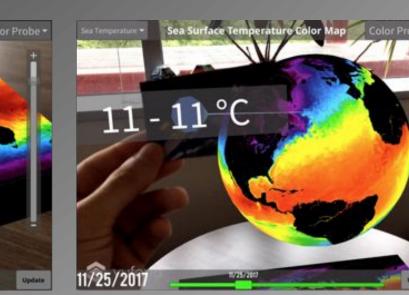
## <u>Color Probe:</u>

The color probe tool allows users to take measurements of color map data sets on both the map and globe.

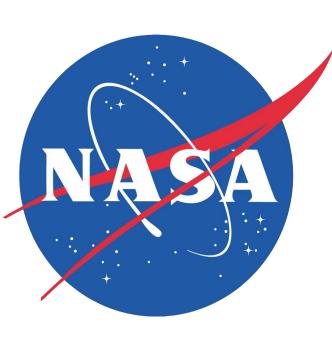
and dates.



OCO-2 Carbon Dioxide, Water Vapor, and Solar-induced Chlorophyll Fluorescence







## What is Worldview?

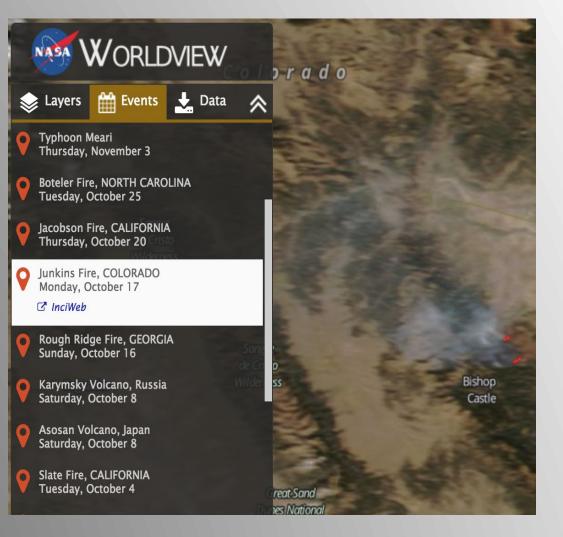
The Worldview tool provides the capability to interactively browse global, full-resolution satellite imagery hosted by the GIBS system. Users may view imagery based on a curated list of current natural events, including wildfires, tropical storms, and volcanic eruptions. Users may also choose to download the raw data files underlying the imagery.

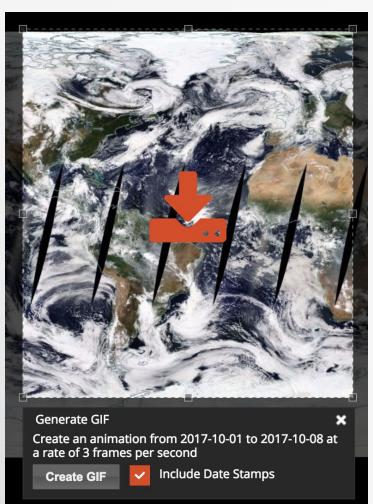
Browsing on tablet and smartphone devices is generally supported for mobile access to the imagery.

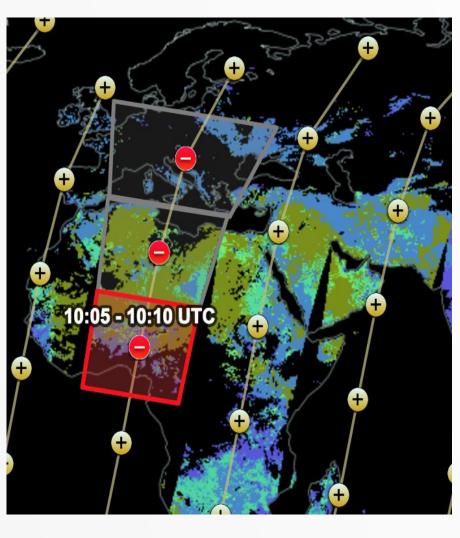
Natural Events





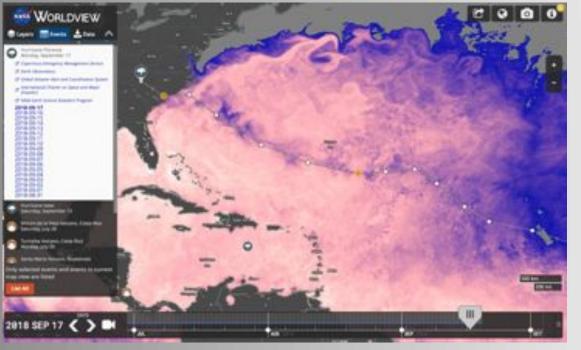




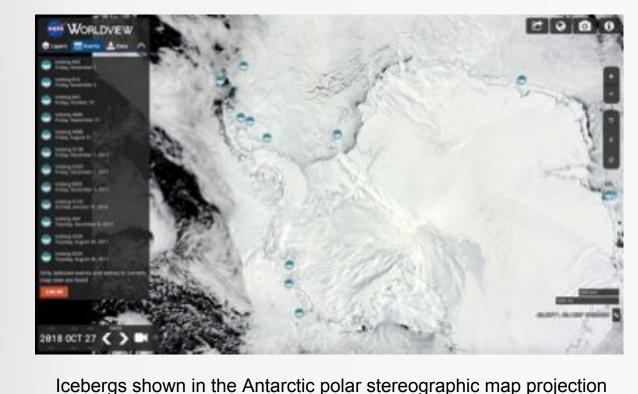


**Enhanced Natural Event Tracking** 

Natural events which last several days (e.g., hurricanes, drifting icebergs) now show "tracks" which illustrate their paths; events occurring near the poles are now displayable in a polar stereographic map projection.



Frack illustrates path taken by Hurricane Florence from 2018 Auc 31 – Sept 17 overlaid on sea surface temperature



## **Remote Sensing User Training**

The Applied Remote Sensing Training (ARSET) program provides training via online webinars and in-person workshops to build the skills to acquire and use NASA satellite and model data for decision support. In-Person training workshops provide hands-on activities that include NASA Worldview.

89% of ARSET trainees reported that Worldview was immediately usable and required no addition training after initial introduction.

Source: Survey of 600+ users after training



Level 0, Fundamentals of Remote Sensing atellites, Sensors, Data, and Tools for Land Management and 'ildfire Applications Level 1, Basic Training Remote Sensing of Forest Cover and Change Assessment for Carbon Monitoring

Level 2, Advanced Training Advanced Webinar: Land Cover Classification with Satellite Data

ARSET

## Comparison Tool:

Using the AB comparison tool, users may compare multiple data sets with different layers

## <u> Magnifying Glass / Zoom:</u>

Users can use the magnifying glass tool to zoom into points of interest on the map. Additionally, users can scale and rotate the globe at any time for further analysis.



