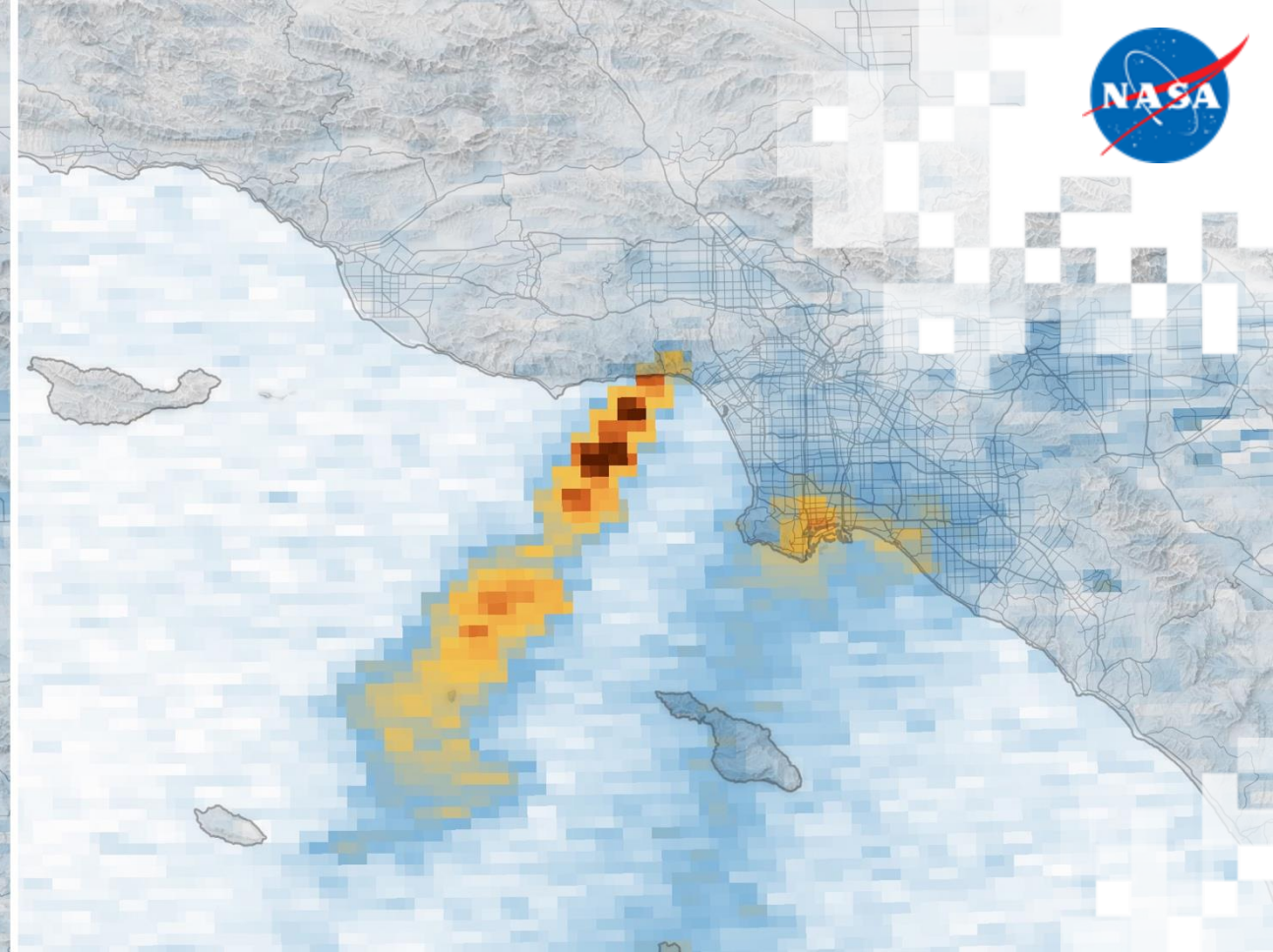
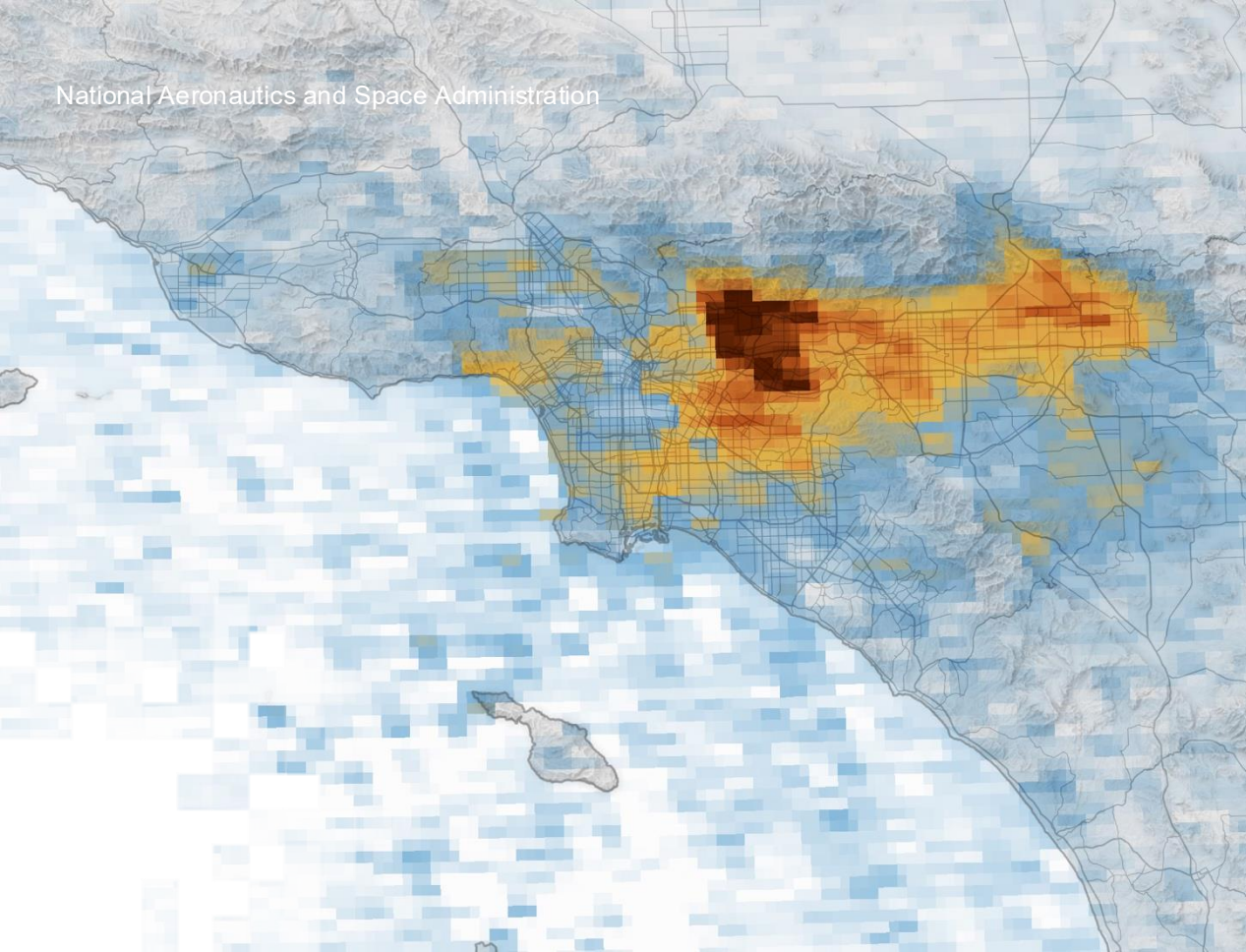




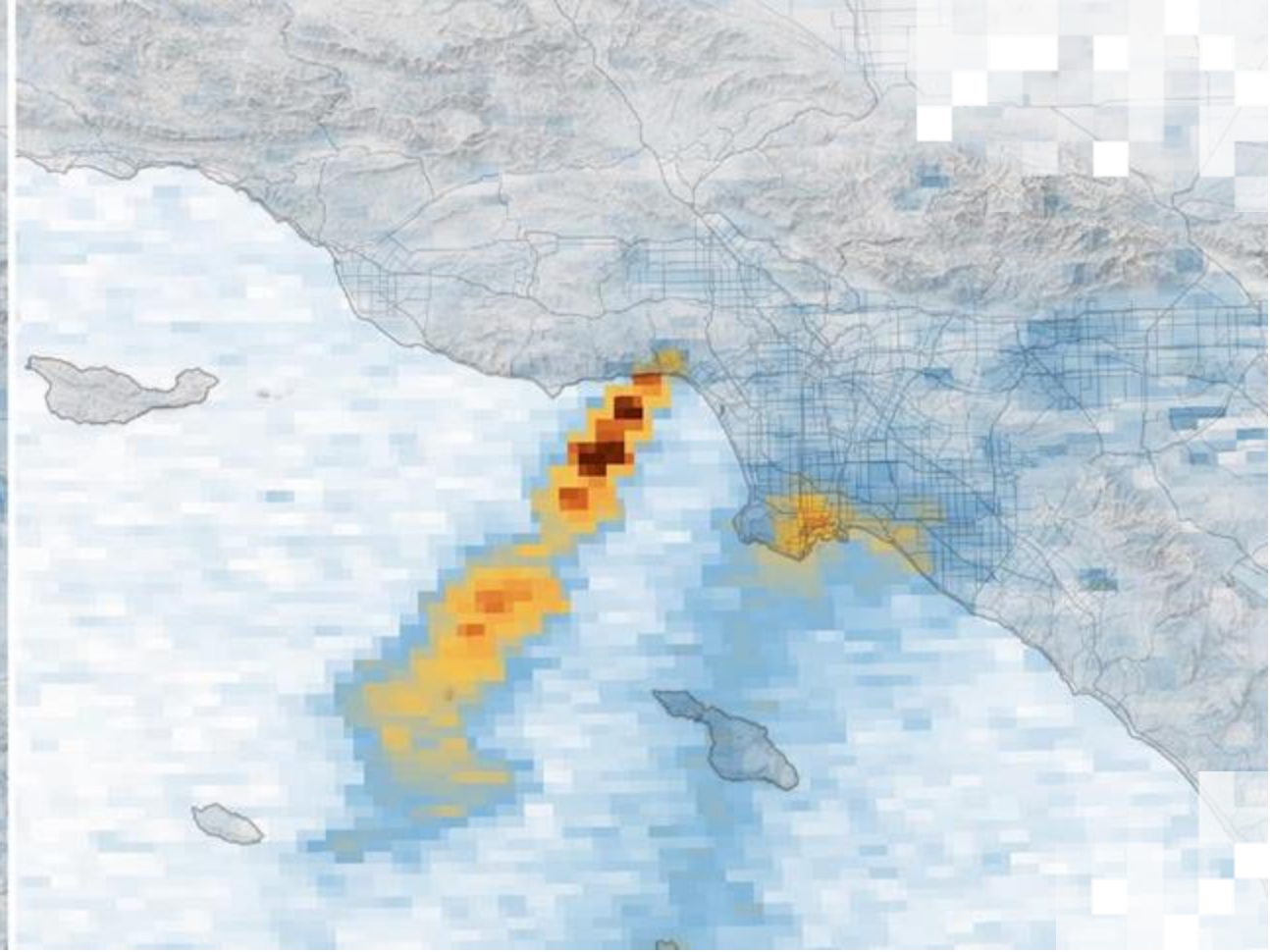
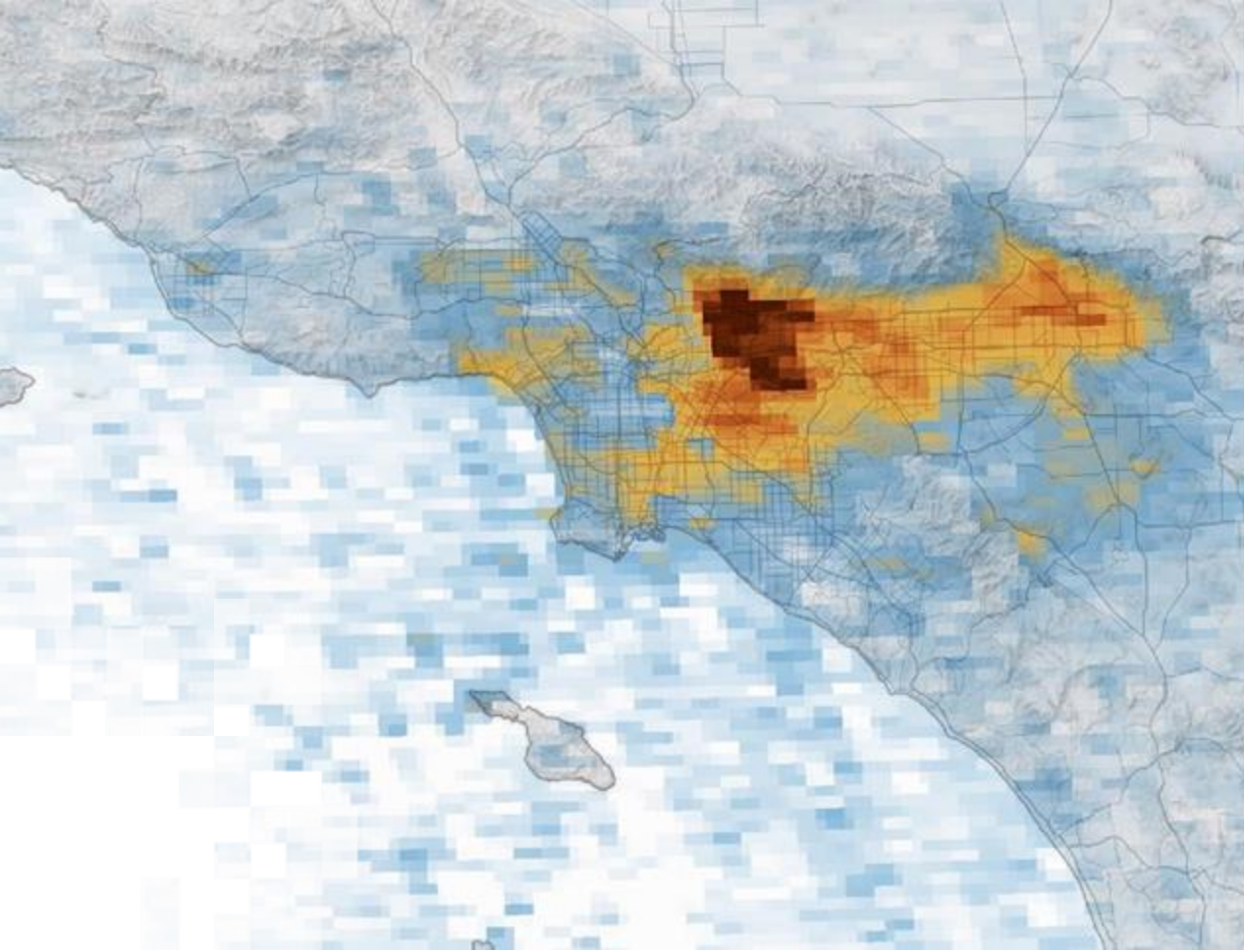
Introduction to Geostationary Observations for Air Quality Applications in the Western US

Day 1, Part 3: Worldview Visualization Demo and Exercise

Kristina Pistone (ARSET)

August 5, 2025



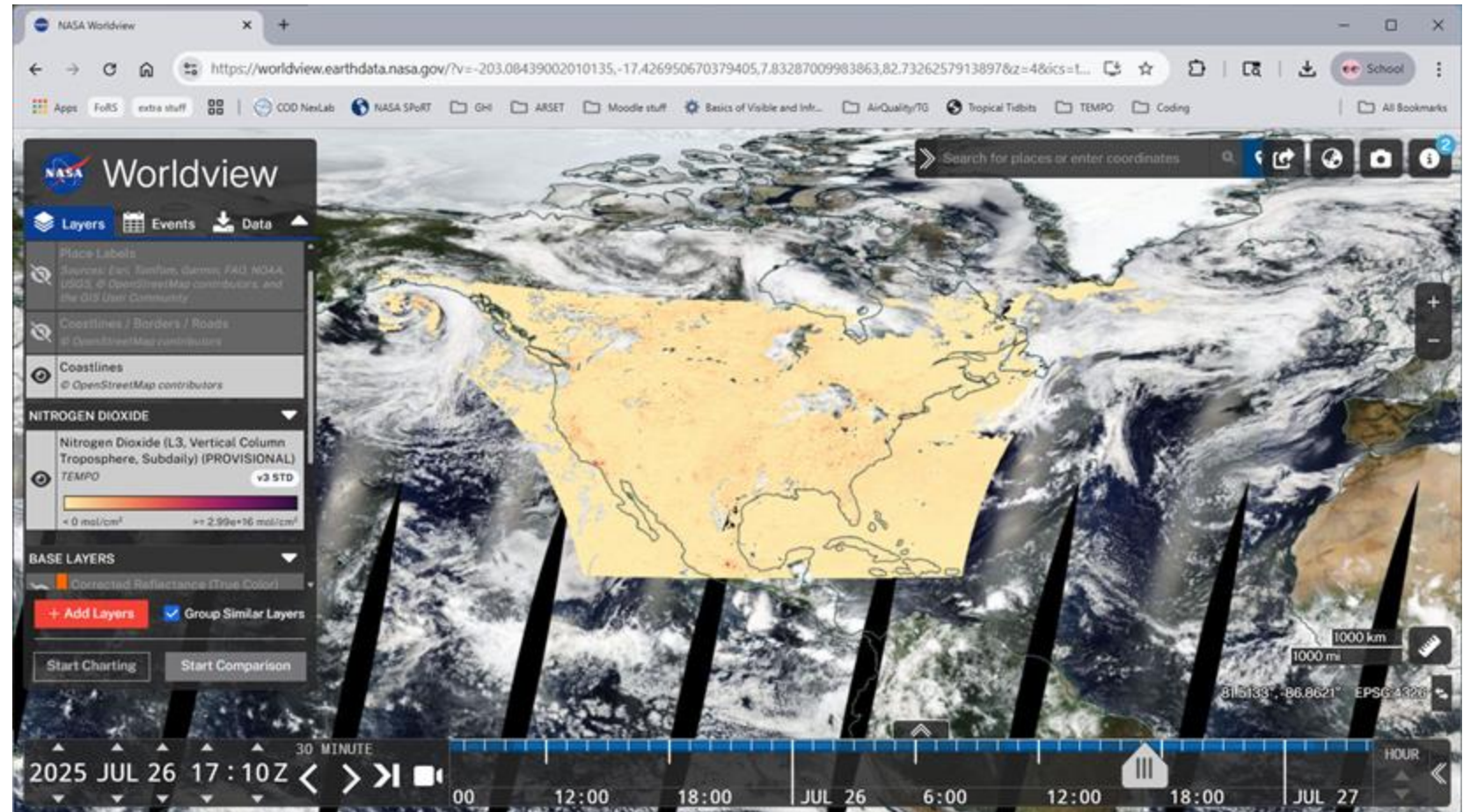


Day 1, Part 3:
Worldview Visualization Demo and Exercise

What is NASA Worldview?

- NASA Worldview is an interactive, web-based tool that allows users to visualize, explore, and download near real-time satellite imagery of the Earth, providing valuable insights for monitoring environmental events and changes globally.

Worldview is an easy visualization tool for a wide array of satellite remote sensing data/products.



Some Key Functionalities of Worldview

- <https://worldview.earthdata.nasa.gov/>
- Different satellites/data products are available globally.
- Base Layers: Usually True-Color MODIS/VIIRS
- Search for additional layers by instrument or topic.
- **New:** [Charting Tool!](#) (Beta)
- Flagged “Events”
- Animations: Temporal Scene Evolution
- Case Study Demo:
 - [LA Wildfires, January 2025](#)



Other Events to Explore

- Spatiotemporal Context and Evolution (advance time forward/back; zoom in/out regionally)
 - Different Base Layers; Add GOES 10-min geostationary if available
 - Add/Toggle Layers: Aerosol Optical Depth, Aerosol Index, Angstrom Exponent, Thermal Anomalies...
 - Time Series Exploration (spatial/temporal averaging)
-
- [Marshall Fire, Colorado, 30 Dec 2021](#)
 - [Canadian Smoke Transport, 20 May 2023](#)
 - [August Complex, California, 19 Aug 2020](#)
 - [Summer 2012 Fires, Colorado and Utah, 29 June 2012](#)
 - [Sulfur Dioxide Plume, Iraq, 22 Oct 2016](#)
 - Worldview Stories
 - [Satellite Detections of Fire](#)
 - [Western North America Wildfires, Summer 2018](#)





Thank You!

