

Visualization of Earth Observation Data



NASA Earthdata provides a number of ways to view imagery and create visualizations of data, whether you are interested in natural disasters, land surfaces, water resources or our oceans. Many of these tools provide access to near real-time imagery from some of NASA's Earth observation missions, allowing for near real-time response to natural and man-made events.

The Worldview tool makes it possible to interactively browse and download full-resolution, global satellite imagery from over 1,000 data products from NASA's Land, Atmosphere Near Real-time Capability for EOS (LANCE) and other NASA data providers. Showing the entire Earth as it looks 'right now', or at least as it has looked within the past few hours, Worldview supports time-critical application areas such as wildfire management, air quality measurements and weather forecasting. Geostationary imagery layers are also now available. These are provided in 10 minute increments for the last 90 days. These full-disk hemispheric views allow for almost real-time viewing of changes occurring around most of the world. Worldview is supported by NASA's Global Imagery Browse Services (GIBS).

Worldview Snapshots

Worldview Snapshots is a lightweight tool for creating image snapshots from a selection of popular NASA satellite imagery layers. Users can preview and download imagery in different band combinations and add overlays on the imagery of active fire detections, coastlines, borders and roads. Worldview Snapshots is ideal for users with low/limited bandwidth access or for users who want to rapidly retrieve georeferenced satellite imagery of the same area each day.

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