Exploring NASA Satellite Data with High Resolution Visualization

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NASA/Goddard EARTH SCIENCES DATA and INFORMATION SERVICES CENTER (GES DISC)

Prototype for a Satellite Data Quality Viewer

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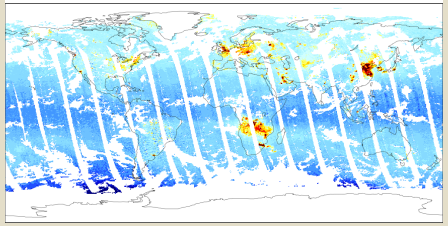
- ❑ Designed for Satellite Level 2 Data
- ❑ Handles Satellite Geometry and Irregular Pixel Footprints
- ❑ Quality Screening using various QA combinations
- ❑ Uses Web Coverage Service (WCS) & Web Map Service
- ❑ Event Viewer/Zoom/Crop/Download Options
- ❑ Visual inter-comparison Slider

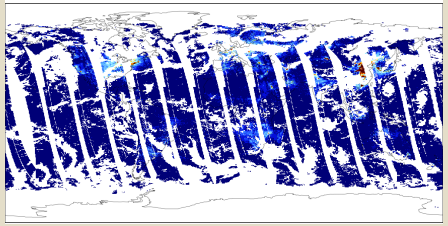
→ Aura Ozone Monitoring Instrument (OMI) products are being used as a pathfinder

Load Different Variables

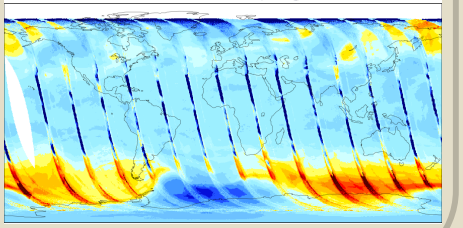
2013-08-14 OMI Total NO_2, All 6 QAs

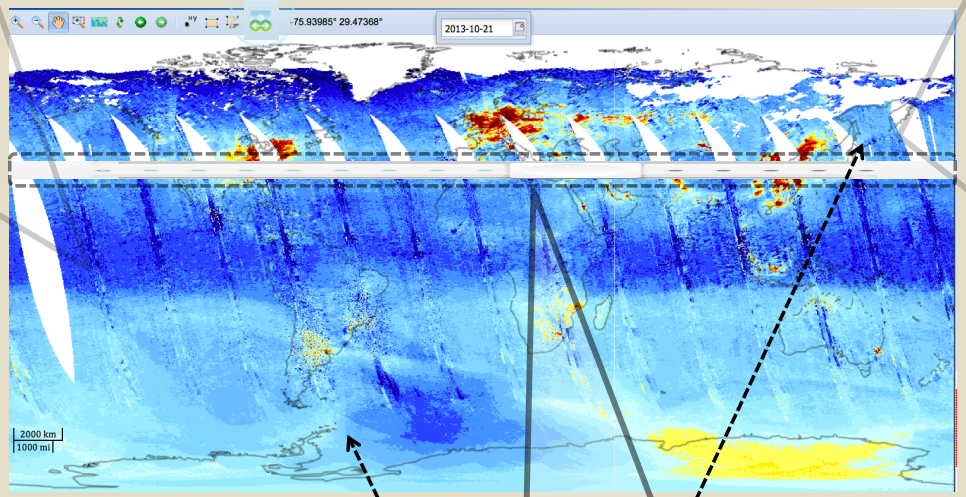


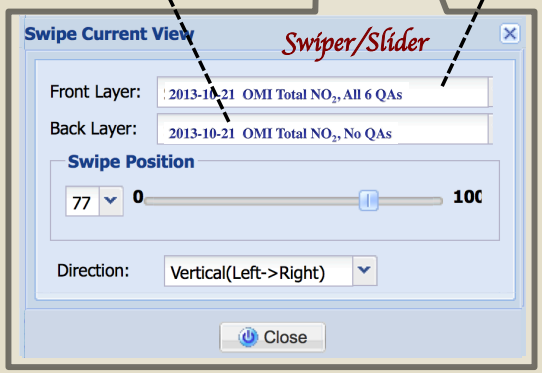
2013-10-21 OMI Tropospheric NO_2, All 6 QAs



2013-10-21 OMI Total Ozone, No QA

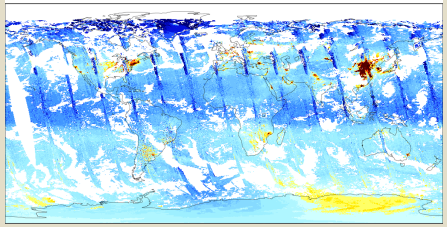




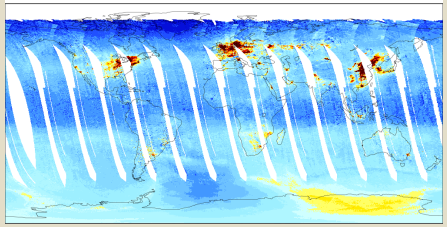
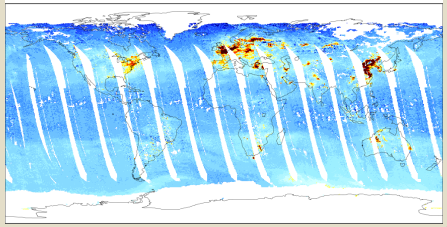


Load Different QAs

2013-10-21 OMI Total NO_2, Cloud Fraction < 30%



2013-10-21 OMI Total NO_2, Remove Row Anomaly



2013-10-21 OMI Total NO_2, Combination of QA (5 QAs)