Data Available in DQViz

- **MODIS**
  Moderate Resolution Imaging Spectroradiometer (MODIS) aboard the NASA’s Terra and Aqua satellites have been key instruments to monitor atmospheric aerosols over the surfaces of dark and bright targets with a swath of 2330 km cross-track and 10 km along-track to cover the Earth daily. MODIS level 2 aerosol products have a spatial resolution of 10 km by 10 km at nadir for both Dark Target and Deep Blue retrieval algorithms, and a spatial resolution of 3 km by 3 km at nadir from the Dark Target retrieval only.

- **OCI**
  Ozone Monitoring Instrument (OMI) flying on NASA’s Aura satellite is a collaborative contribution of the Netherland Agency for Aerospace Program and the Finnish Meteorological Institute to observe atmospheric components such as ozone, aerosol, NO2, SO2, HCHO, OCO, and cloud with a spectrum range of Ultraviolet and visible bands. The push-broom telescope of the hyperspectral instrument has a 1/4°field-of-view corresponding to 2600 km on the ground. OMI level 2 products have a spatial resolution of 13 km by 24 km at nadir with a daily global coverage.

- **MISR**
  Multi-angle Imaging SpectroRadiometer (MISR) of the NASA’s Terra mission equips with nine push-broom cameras with viewing angles of nadir, 26.1, 45.6, 60, and 70.5 degrees. It has four bands (blue, green, red, and near-infrared). The cross-track swath is about ~380 km, thus MISR provides a global measurement every nine days.

- **MERRA-2**
  The second Retrospective analysis for Research and Applications (MERRA-2) is NASA's atmospheric reanalysis data assimilation system. MERRA-2 is enhanced with hourly diagnostic aerosol products of different types such as black carbon, organic carbon, dust, sea salt, S02, and S04. The grid size is 0.5°×0.625°.