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Advanced Webinar: Data Analysis Tools for High Resolution Air Quality Satellite Datasets

January 17, 19, 22
10:00 a.m. EST (UTC-5)

High resolution air quality data is helpful for monitoring urban air pollution. In this webinar, participants will learn how to use Python scripts to map and analyze air quality data through hands-on exercises. The training will cover MODIS aerosol optical depth data and OMI NO₂ and SO₂ data.

Introduction to Datasets

January 17, 2018, 10:00 – 11:00 a.m. EST (UTC-5)

An introduction to relevant datasets (basics, advantages, and limitations) and instruction on how to download data.

Read, Map, and Analyze Level 2 MODIS AOD Data

January 19, 2018, 10:00 a.m. – 12:00 p.m. EST (UTC-5)

Hands-on exercises using Python scripts to read, map, and analyze Level 2 MODIS aerosol optical depth (AOD) data.

Read, Map, and Analyze OMI NO₂ and SO₂ Data

January 22, 2018, 10:00 a.m. – 12:00 p.m. EST (UTC-5)

Hands-on exercises using Python scripts to read, map, and analyze OMI NO₂ and SO₂ data.