

IT and Other Requirements for Attending Satellite Remote Sensing of Air Quality

1. Each participant must come with a laptop computer that can connect to the Internet using WiFi
2. The following software should be installed:
 - a. Microsoft Office (or a similar software): Excel, Word, and PowerPoint
 - b. Internet browsers: Chrome (preferred), Firefox, or Safari
 - c. Google Earth: a free version can be downloaded from <http://www.google.com/earth/>
 - d. Updated Java: the current version can be found at <http://java.com/en/download/>
 - e. Adobe Reader (or equivalent software to open and read PDF files)
 - f. Python 2.7
 - i. Python is an open source software available for Windows, Mac, or Linux/UNIX operating systems. Anaconda is one way to install Python and can be downloaded at <http://www.continuum.io/downloads>
 - ii. Further installation instructions are available on the ARSET website: https://arset.gsfc.nasa.gov/sites/default/files/airquality/workshop_s/SCAQMD/Python%20Installation.pdf
 - iii. Further information on scripts are available on the ARSET website: <http://arset.gsfc.nasa.gov/airquality/python-scripts-aerosol-data-sets-merra-modis-and-omi/>
 - g. Install the following Python Packages:
 - i. pyHDF, numpy, basemap, matplotlib, time, calendar, sys

Note: for any help with the Python installation, please search online or get help from your IT department. ARSET has limited resources and will not be able to provide assistance with your Python installation.

- h. Panoply netCDF, HDF, and GRIB Data Viewer: available for download at <http://www.giss.nasa.gov/tools/panoply/>