

IT and Other Requirements

1. Each participant **must** come with a laptop computer with the capability to connect to the internet using WiFi.
2. Computers should have the following software installed:
 - Microsoft Office (or similar software): Excel, Word, PowerPoint
 - Internet Browsers: Firefox, Safari, or Chrome. **Chrome is preferred**
 - Google Earth: a free version can be downloaded from:
<http://www.google.com/earth/>
 - Updated Java: make sure your browser has updated java. Download at
http://www.java.com/en/download/help/version_manual.xml
 - Adobe Reader or equivalent to open and read PDF files. Download Adobe Reader: <http://get.adobe.com/reader/>
 - Install Python 2.7: 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 from the following website:
<http://www.continuum.io/downloads>
 - i. Some information on Python is also available on the ARSET website: <http://arset.gsfc.nasa.gov/airquality/python-scripts-aerosol-data-sets-merra-modis-and-omi>
 - ii. You will need following python packages installed:
 1. pyHDF
 2. numpy
 3. basemap
 4. matplotlib
 5. time
 6. calendar
 7. sys
 - iii. Note: For 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 python installation.**
 - Panoply: an open source software for plotting geo-gridded arrays from netCDF, HDF, and GRIB datasets. It can be downloaded from:
<http://www.giss.nasa.gov/tools/panoply/>