

## **Remote Sensing Case Study Resource Sheet**

### **Possible data and image resources to use for an air quality event analysis (some information is already provided)**

#### **Imagery:**

(True color and false color if you want to show burn scars)

#### **Aerosol information:**

AOD amount:

There are several sources for obtaining and/or creating a KMZ file which will display MODIS AOD information. You should be able to find at least 3 resources for obtaining/creating MODIS KMZ files.

Aerosol distribution (fine/coarse):

Average aerosol size:

(See Aerosol Terms Reference Sheet)

Aerosol properties (i.e. absorbing/scattering)

(See Aerosol Terms Reference Sheet)

**If your case involves biomass burning  
Fires:**

**Trace Gases (CO and/or NO<sub>2</sub> and/or SO<sub>2</sub> and/or ozone)**

**Source Regions and Transport:**

**Model Data:**

This is the download for the FLAMBE data from the Naval Research Lab.  
To select a different date modify the month and month and day in the last  
two fields.

[http://www.nrlmry.navy.mil/aerosol/kml/older\\_flambe\\_world\\_kml/201109/  
20110913\\_fire\\_global.kml](http://www.nrlmry.navy.mil/aerosol/kml/older_flambe_world_kml/201109/20110913_fire_global.kml)

**Meteorology:**

IDEA

<http://wunderground.com> Enter the name of a city in your area of study in the search bar. Scroll down to the “History & Almanac” section and enter the date.

**AQI PM concentration:**