# Cloud and Shadow Correction

## Steps

1. [Download](http://www.arcgis.com/home/item.html?id=8165fc8e13c84517a8f197e9857a59ea) the source files and sample results for a portion clipped from the original images
2. Setup your python environments
   1. Ensure you have installed “numpy” and “gdal” libraries.
3. Check the path to the source files and other settings in the file named “Config.ini”
4. Execute the main python file named “rasterMain.py” under python folder. This main file(rasterMain.py) calls and executes the below modules in the below listed order
   1. Radiance.py
   2. Reflectance.py
   3. TRRI.py
   4. Interpolation.py
5. To execute the main file, open a terminal and execute the main python file as below

|  |
| --- |
| *python RasterMain.py* |

1. Check your results and compare with those provided in the downloaded zip file