**Running python batch correction routine**

This instruction assumes the following:

* Python paths are setup correctly in the operating system.
* Image series are in a single folder.
* Dark file(s) exist in the folder where the image series are located.

The batch correction routine needs the following packages: numpy, os, re, glob, sys, argparse

1. Start a terminal or cmd session with appropriate python packages installed and paths setup correctly.
2. Move to the directory where “BatchCorrection.py” is located.

Usage in command line:

python BatchCorrection.py --lo [lowest number in the image series of interest] --hi [highest number in the image series of interest] --all --ndel --drk [file name root for dark file] --inpath [path where the image series of interest is located] --outpath [path to which the corrected files are outputted] --genum [GE identifier number]

* “--lo” and “--hi” options need to be assigned together.
* “--lo” and “--hi” options override “—all” option.
* “--ndel" option corrects the individual frames in a multi-frame GE file and saves them as \*.cor files.
* “--drk” option designates the root name of the dark file. Default is ‘dark’. The root name of the dark file is designated by “… --drk rootname”. No double or single quotes are necessary.
* “--inpath" option designates where the file series of interest resides in the file system. Only the path name is needed. No double or single quotes are necessary.
* “--outpath" option designates where in the file system the corrected files are saved to. Only the path name is needed. No double or single quotes are necessary.
* “--genum” option designates the GE number that was used and applies appropriate bad pixel correction.
  + The bad pixel files are set as an absolute file path at the moment. This can be changed in the “BatchCorrection.py” file by going to line 68 in the file and changing the path name to where the bad pixel file is located.