**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.
* “--badpixelpath” option designates folder where the bad pixel files are located. It is assumed that the badpixel data file for a particular GE (typically named in “EF#####-#Full\_BadPixel.img” format where # is a number) is located in the folder designated as “[provided bad pixel path]\ bad-pixel-data\GE\EF#####-#\Full”.