DESI FITS IMAGES:

Each FITS file have four extensions following the CCD datasheet identification:

Extension [1] correspond to Amplifier E

Extension [2] correspond to Amplifier F

Extension [3] correspond to Amplifier G

Extension [4] correspond to Amplifier H

Each extension has the follow size:

Horizontal= 50 prescan + 1024 pixels + 50 overscan

Vertical= 1024 pixels

Note: If you open the fits with ds9 -> Open Multiple Extension Cubes, the overscan region should be located at the right side of the image.

There are 2 sets with different electronics configuration (Pepe will comment about it):

SET 1:

Folder 20180326\_140009.tgz for a PTC analysis

Folder 20180326\_161040.tgz for a BIAS analysis (or master bias for PTC)

SET 2:

Folder 20180326\_175759.tgz for a PTC analysis

Folder 20180326\_180538.tgz for a BIAS analysis (or master bias for PTC)

PTC Test :

There are 32 images, captured in a sequence of 2 flat fields and 2 dark field, from 0 sec up to 14 secs with increments of 2 sec.

i.e:

PTC\_000.fits -> Flat @ 0 sec

PTC\_001.fits -> Flat @ 0 sec

PTC\_002.fits -> Dark @ 0 sec

PTC\_003.fits -> Dark @ 0 sec

PTC\_004.fits -> Flat @ 2 sec

PTC\_005.fits -> Flat @ 2 sec

PTC\_006.fits -> Dark @ 2 sec

PTC\_007.fits -> Dark @ 2 sec

...

PTC\_0031.fits -> Dark @ 14sec

BIAS Test :

There are 10 bias images, zero secs of exposure time.

Known Bugs:

1. Seems to be that the CCD dynamic range do not fit very well on the ADC range, Pepe is aware and looks for a low-noise solution. As far as I know (TBC), the SET 2 of images has a related configuration.
2. There are some images with 1 row less than others, Otger and David are aware and look for a solution.
3. Fits headers are still on debugging mode, then its use is not recommended yet.