

12/27/21

NIRSpec Runs

* bright2flux fn not working

↳ dimension issue between

Subgain array $\frac{1}{3}$ data array

Subgain def: dimensions: (30, 340)

From gain file (jst website)

gain \uparrow → takes data from Subarray start and creates an array from start to ny/nx

Subgain array → trimmed to data window

Aka: gain from start of meta.ywindow, meta.xwindow to end of

trimmed in form $\lfloor ywindow: ywindow, xmin: xmax \rfloor$

All from data.mhdr

Subarray size in x, y

indexes

subdata) data def: dimensions: (15, 22, 340)

from fits file, read in, trimmed in utils.trim fn

trimmed in the form $\lfloor (:, ywindow: ywindow, xwindow: xwindow) \rfloor$

? → number of integrations (line 248 23 reduce.py)

NOT NEEDED? data.data.shape = (integrations, frame dimensions)

* get → even ignoring data.data.shape $\lfloor (:,) \rfloor$

the dimensions don't line up:

(22, 340) vs (30, 340)

despite being trimmed the 'same' way