

Update of XIS CALDB *makepi* (version 20120527) for SCI-on data with window option

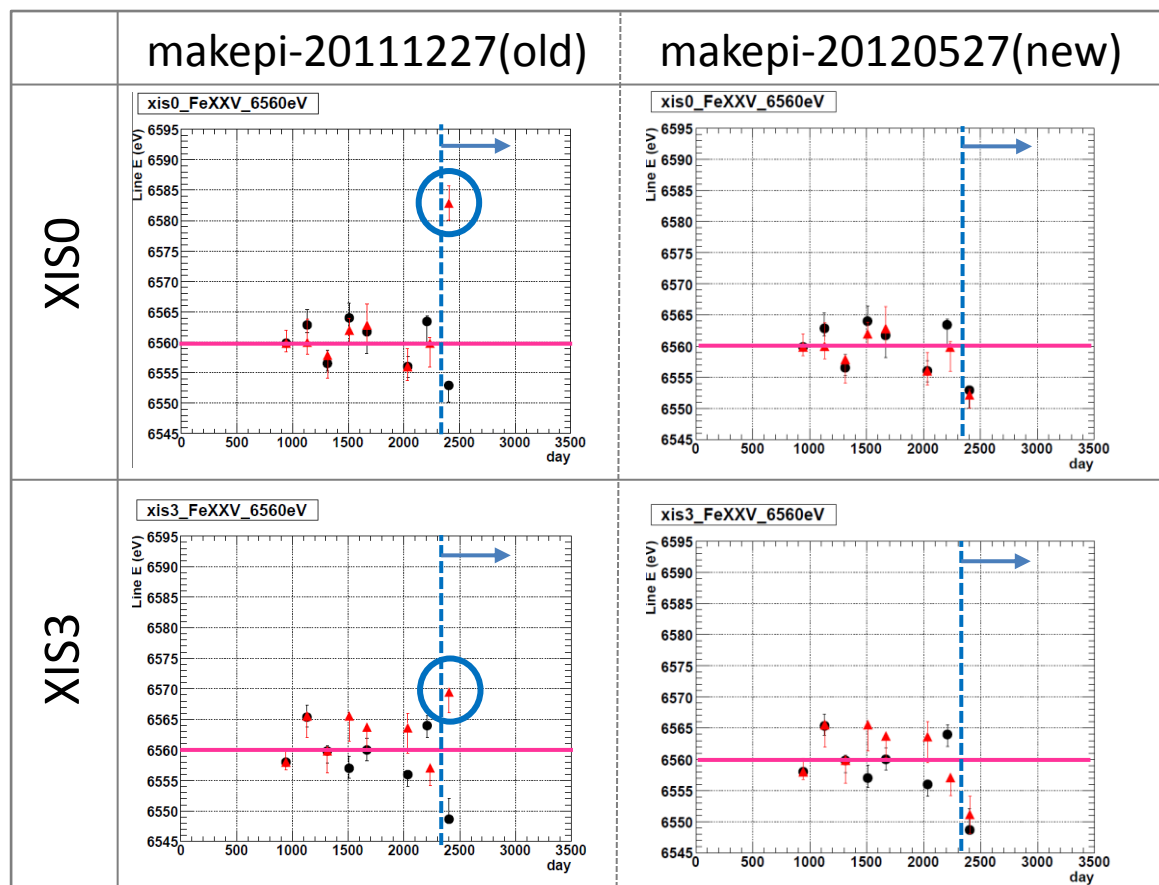


Figure:

Measured energy of FeXXV line from Perseus cluster

- X-axis: elapsed days since launch
- Y-axis: energy in eV
- Black point: Normal Mode
- Red point: 1/4 Window option
- Pink solid line : expected value
- Blue dash line: the day after which the gain correction was mistakenly NOT made in the last version of *makepi*
- Blue circle: data where the gain correction were mistakenly NOT applied in the last version of *makepi*

- In the last update of the CALDB *makepi* (version 20111227), for the data taken with the Normal clocking mode with a window option, an additional gain correction was made to match with the gain for the Normal clocking mode with no window option in the pipeline processing. The additional correction was mistakenly NOT made for the XIS0 and XIS3 data taken after 2011-12-29 (corresponding data are shown in blue circles in the top left figures).
- In this update of the CALDB *makepi* (version 20120527), the above bug is fixed and the gain correction is expectedly applied (compare the last data point of 1/4 window option in the left and right figures)
- Users having data with window option taken after 2011-12-29 are requested to reprocess their own XIS0 and XIS3 data. The recipe is published on the Suzaku website (URL: http://www.astro.isas.jaxa.jp/suzaku/analysis/xis/wingain_2012/).