

Update of XIS CALDB *makepi* for SCI-on data with window option

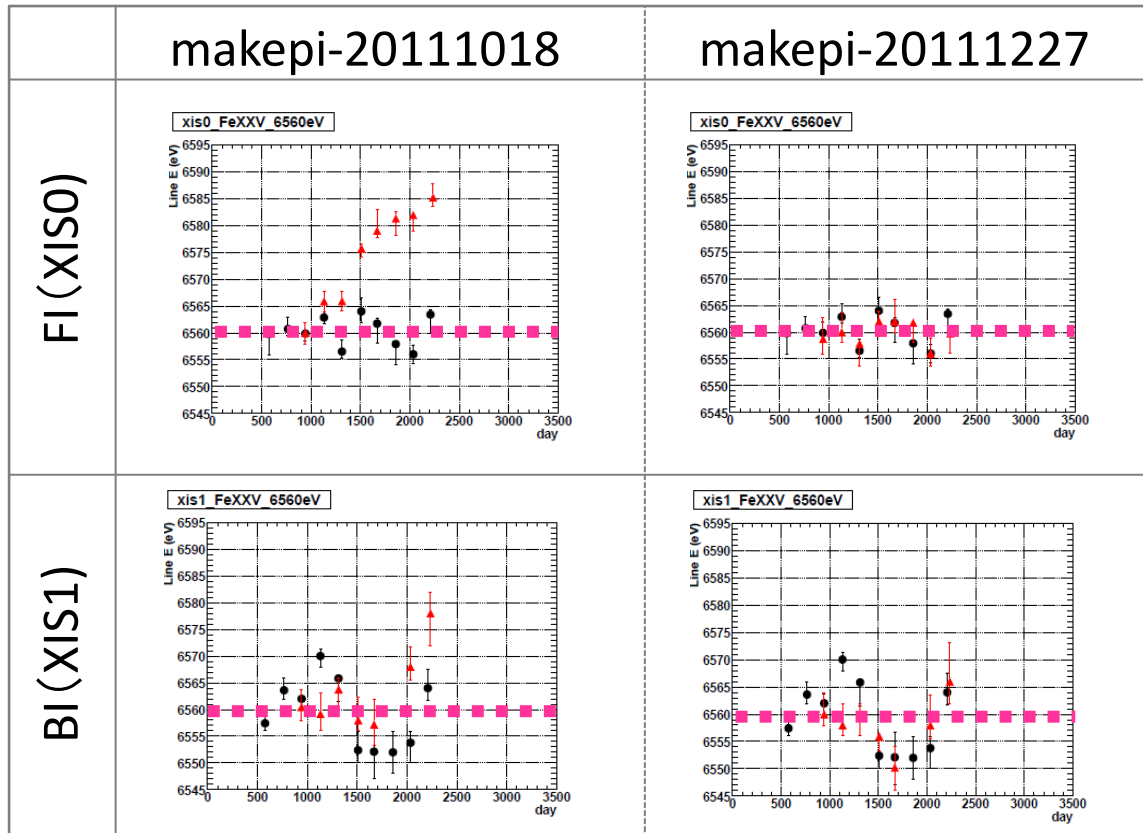


Figure:

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 dotted line : expected value

- The energy assigned to FI data with the 1/4 window option was higher than that of the normal mode data by about 20 eV at 6 keV as shown in red points in the top left figure. The difference depends on both photon energy and time. The difference can also be seen in the BI data.
- We made a new gain table for the 1/4 window option data which corrects the energy scale to be consistent with that of the normal mode data.
- This correction is made assuming an on-axis point source.
- The same gain table is also applied to the 1/8 window option.