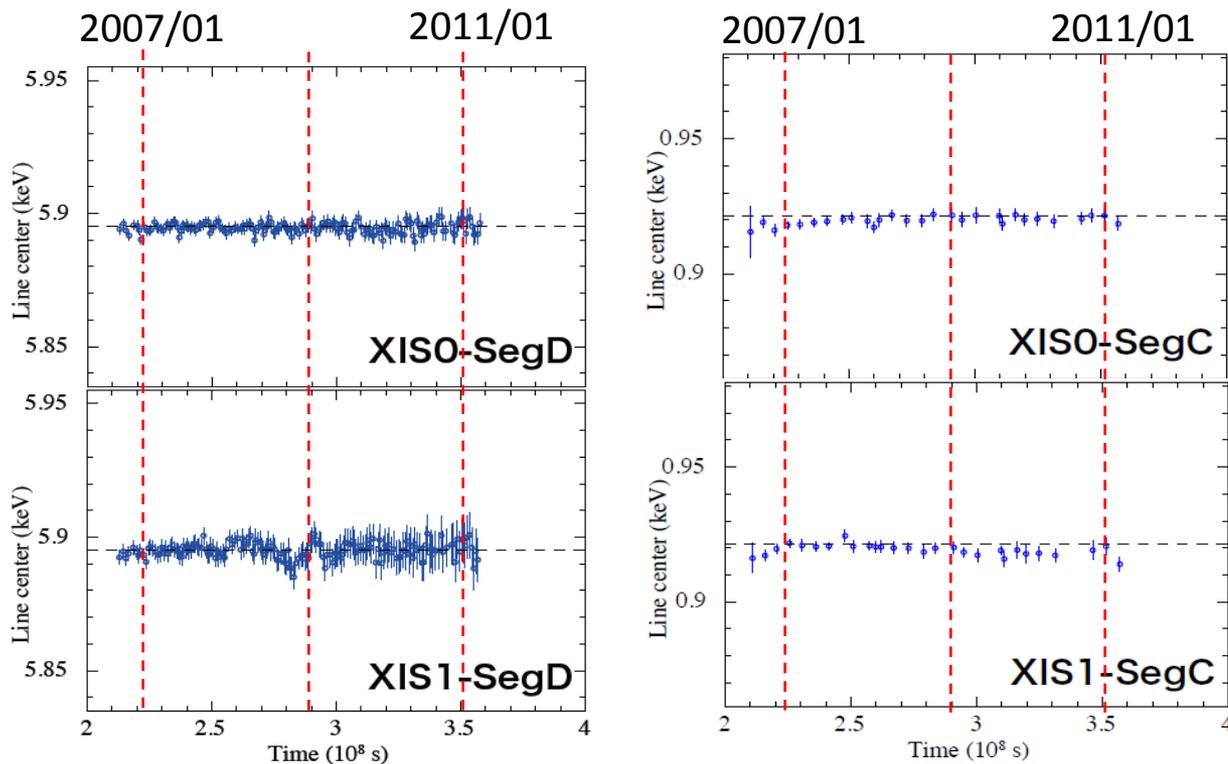


Release note for Makepi20110621

- Charge trail data are updated.
- Energy scale at low energy around 1 keV is improved. Uncertainty of the absolute energy scale is $\sim 0.1\%$ @6 keV, $\sim 0.5\%$ @1 keV for data taken before March 2011.
- Injected charges of XIS1 has been increased since June 1st, 2011; charges equivalent to an X-ray of 6 keV are injected. This makepi file can handle data of the new SCI mode. Uncertainty of the energy scale may be $\sim 20\text{--}30$ eV, which is worse than the nominal value. This is because calibration data are not enough so far.



Corrected energies of Mn I $K\alpha$ of the calibration source and Ne IX $K\alpha$ of E0102 for FI (XIS0) and BI (XIS1). Dashed lines are the theoretical values of 5.895, and 0.921 keV.