

Regular update of the XIS NXB database on June 1, 2012

June 1, 2012 XIS team

The following XIS NXB database files are updated.

- ae_xi[0,3]_nxbscion_20120601.fits
- ae_xi1_nxbsci6_20120601.fits
- ae_xi[0,1,3]_nxbvdchk_20120601.fits
- ae_xis_nxborbit_20120601.fits
- ae_xis_nxbcorhk_20120601.fits

This is a regular update once every half a year. This update newly includes the NTE trend archive data obtained between November2011 and April2012.

To produce an XIS1 NXB spectrum for the 6 keV CI (taken after June 1 2011), users are required to specify an appropriate CALDB file manually . In addition, the NXB count rate of the 6keV CI becomes higher than that of the 2keV CI. In order to mitigate NXB increase for XIS1, user should remove event in second trailing rows. In summary, you should use xisnxbgen with the following option,

```
% xisnxbgen 'pixq_and = 327680' 'nxbevent = ae_xi1_nxbsci6_20120601.fits'.
```

The recipe for doing so can be found below page

http://www.astro.isas.ac.jp/suzaku/analysis/xis/xis1_ci_6_nxb/