**Update of XIS CALDB makepi (version 20140124) for SCI-on data with window option**

<table>
<thead>
<tr>
<th>makepi-20121009(old)</th>
<th>makepi-20140124(new)</th>
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<tbody>
<tr>
<td><img src="image1" alt="Graph XIS1 old" /></td>
<td><img src="image2" alt="Graph XIS1 new" /></td>
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</tbody>
</table>

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 Cl value is changed to 6keV from 2keV
- Blue circle: Data where the gain correction amount is 0 Cl value from being changed 6keV

- In the current CALDB makepi (version 20121009), regarding the XIS1 data taken with window option after 2012-10-09 when the amount of Cl was increased to 6 keV equivalent, the gain was not tuned because the general tendency was unknown.
- In this update of the CALDB makepi (version 20140124), the above detail is modified 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 2012-10-09 are requested to reprocess their own XIS1 data. The recipe is published on the Suzaku website (URL: http://www.astro.isas.jaxa.jp/suzaku/analysis/xis/wingain_2012/).