PN Timing Mode: New strategy 1/2

- transmit only 18 (out of 64) columns
  30 - 38 source (current boresight)
  54 - 62 background
- set lower threshold to 30 ADU (150 keV)
Timing Mode: New strategy 2/2

Difficulties (small problems):

- different procedures for RGS prime and pn prime observations needed

- background area still contaminated by source photons from PSF wings, but: only important for very weak source (normally not observed in Timing mode)
Slew observation in Timing Mode

analysis of spectra from int. Cal. Source (NO CTE, NO gain correction applied):

<table>
<thead>
<tr>
<th></th>
<th>Spectrum A</th>
<th>Spectrum B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Al Kα</td>
<td>1.428 keV</td>
<td>1.475 keV</td>
</tr>
<tr>
<td>Mn Kα</td>
<td>5.725 keV</td>
<td>5.796 keV</td>
</tr>
</tbody>
</table>

$\Delta E \cong 40 - 70 \text{ eV}$!