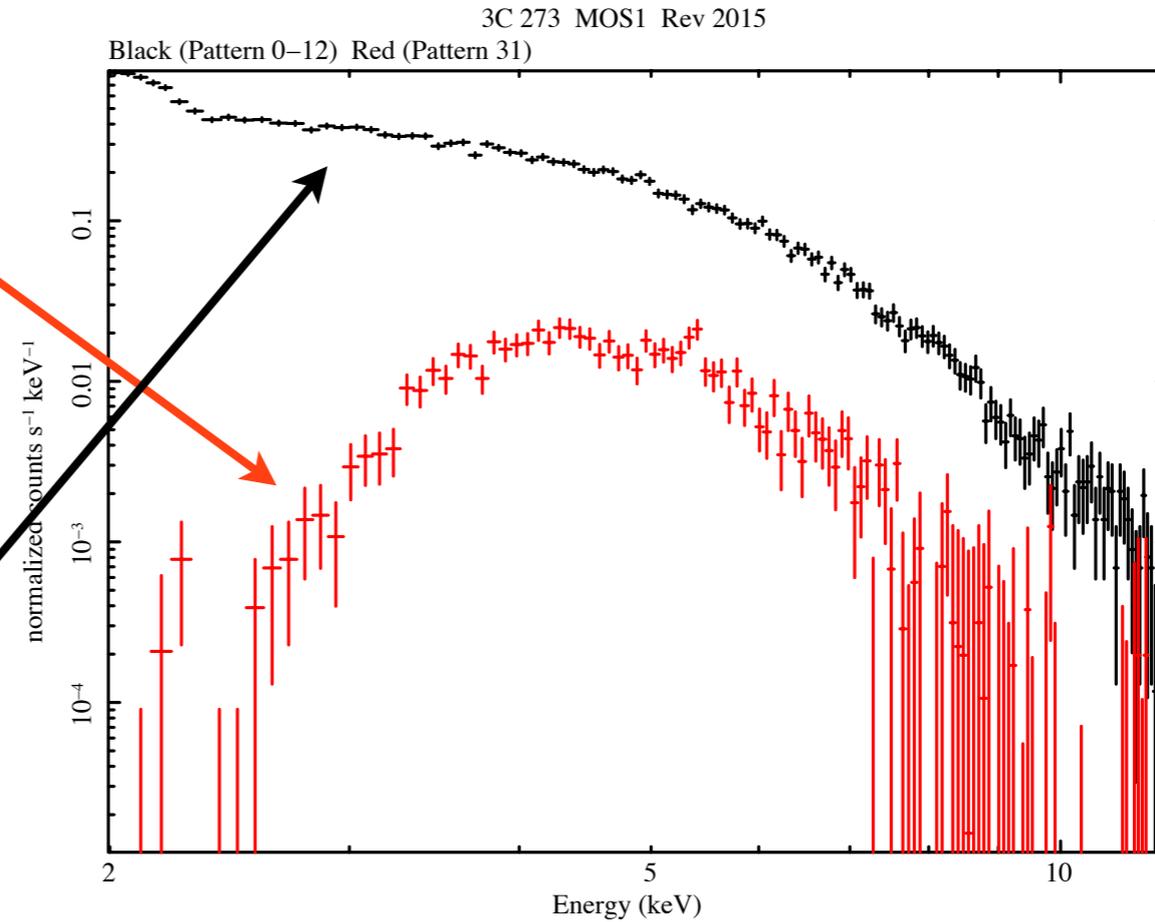
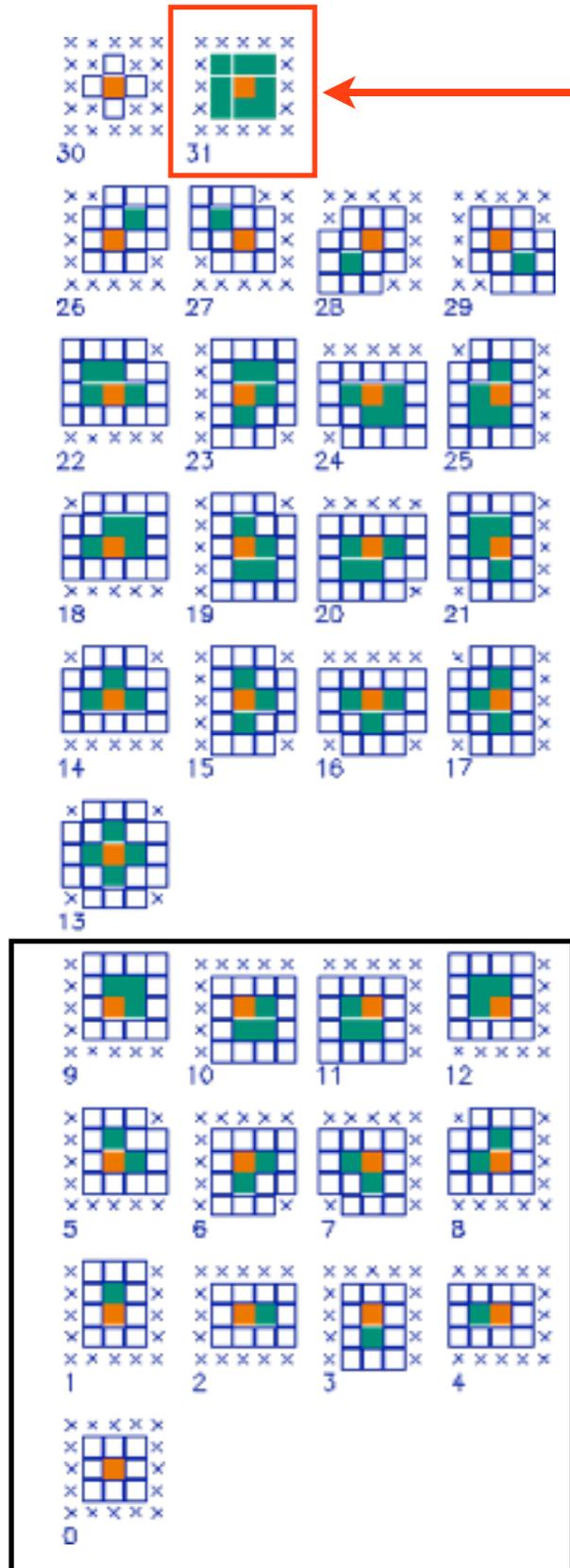


The problem with pattern 3 I

Pattern ratio evolution at high energies - using data from 3C273

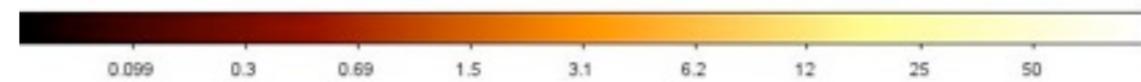
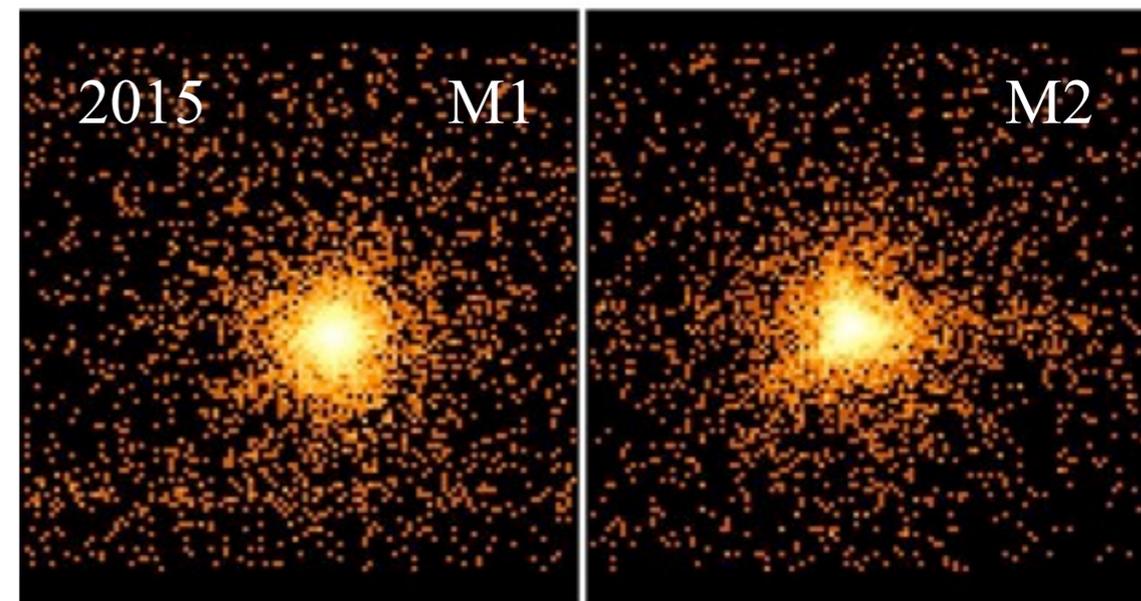
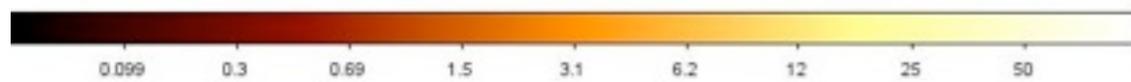
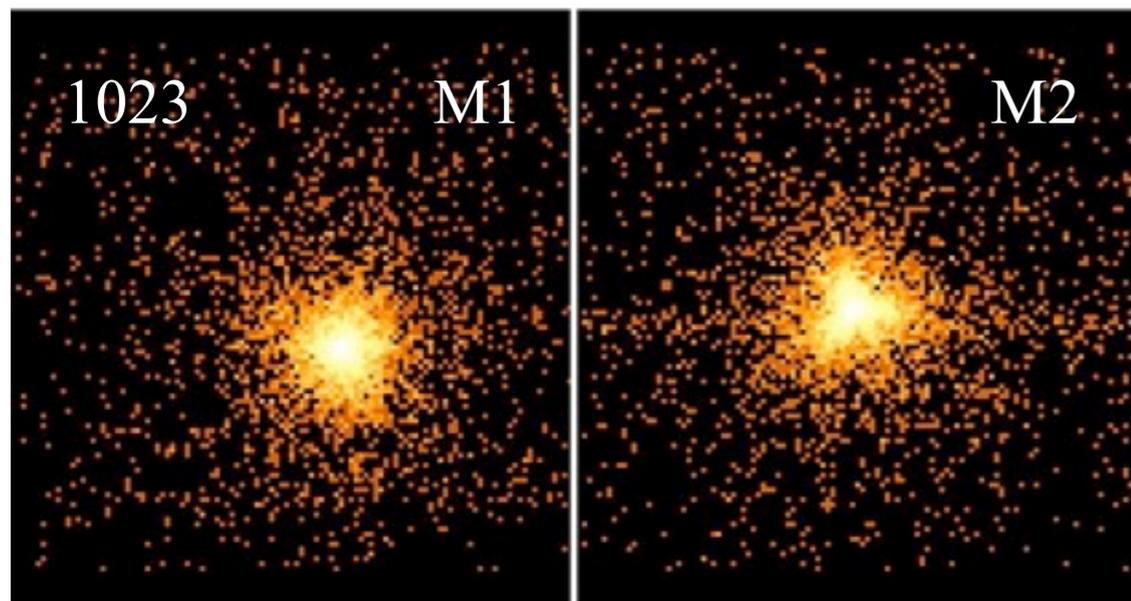
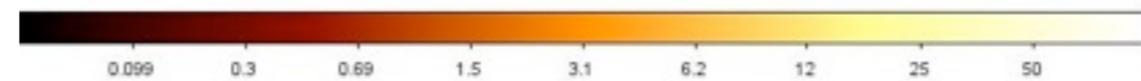
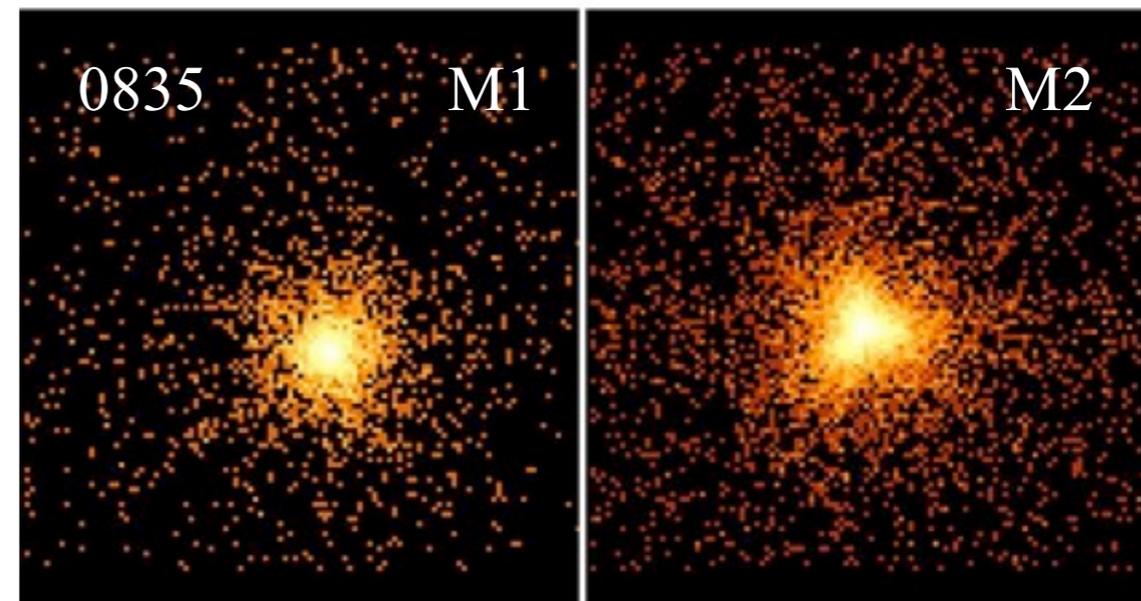
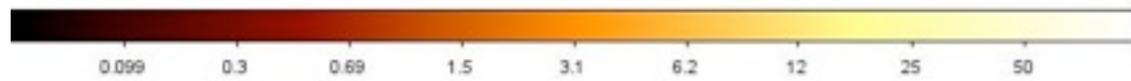
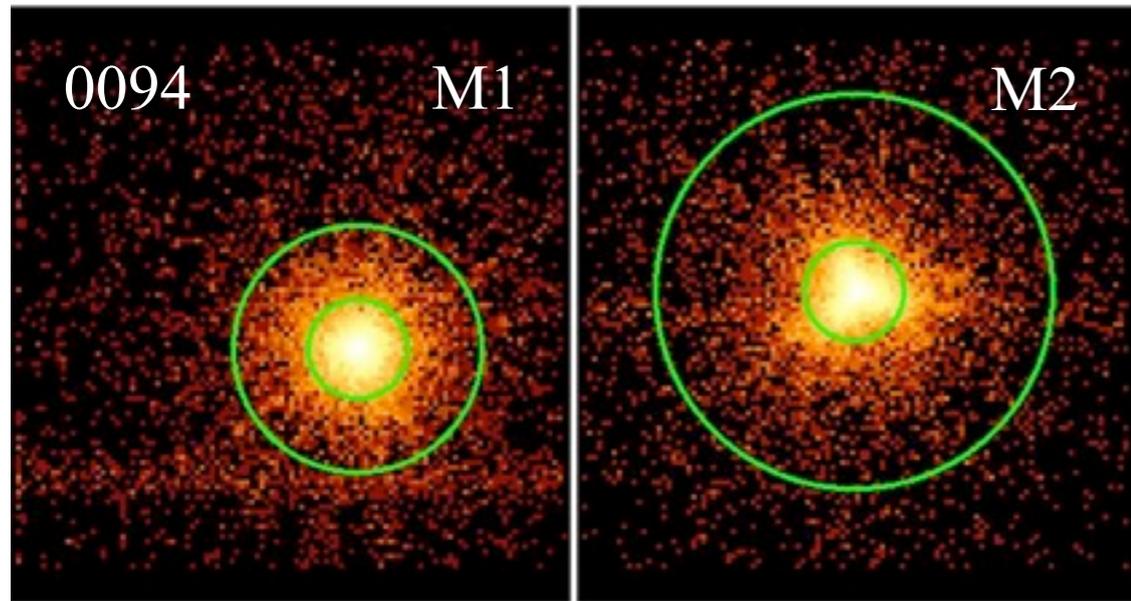
Include pattern 31 type events

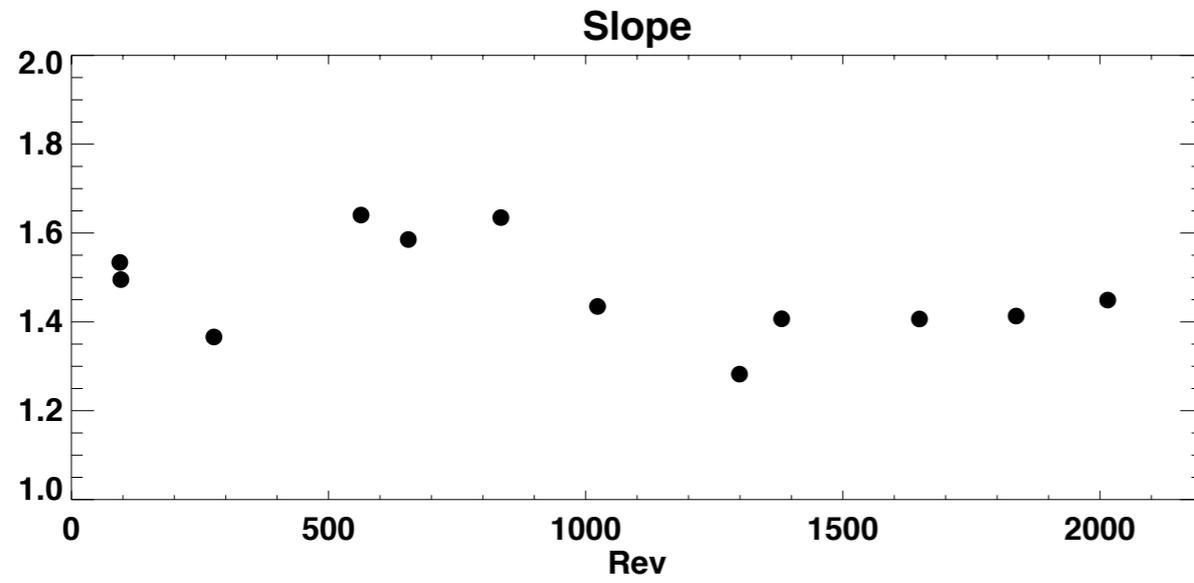


BGD subtracted P3I rates (>2.0 keV) $\times 10^{-2}$

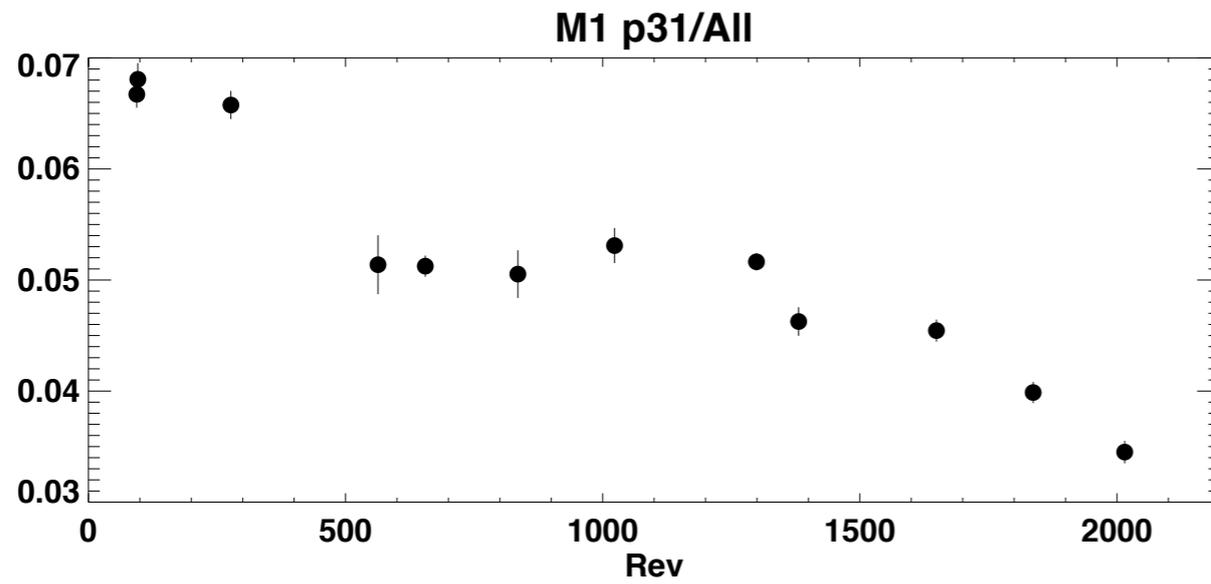
Rev	M1	M2
94	6.07 ± 0.11 (97%)	6.97 ± 0.12 (94%)
2015	4.42 ± 0.13 (81%)	4.52 ± 0.13 (82%)

P3 I Images of 3C273

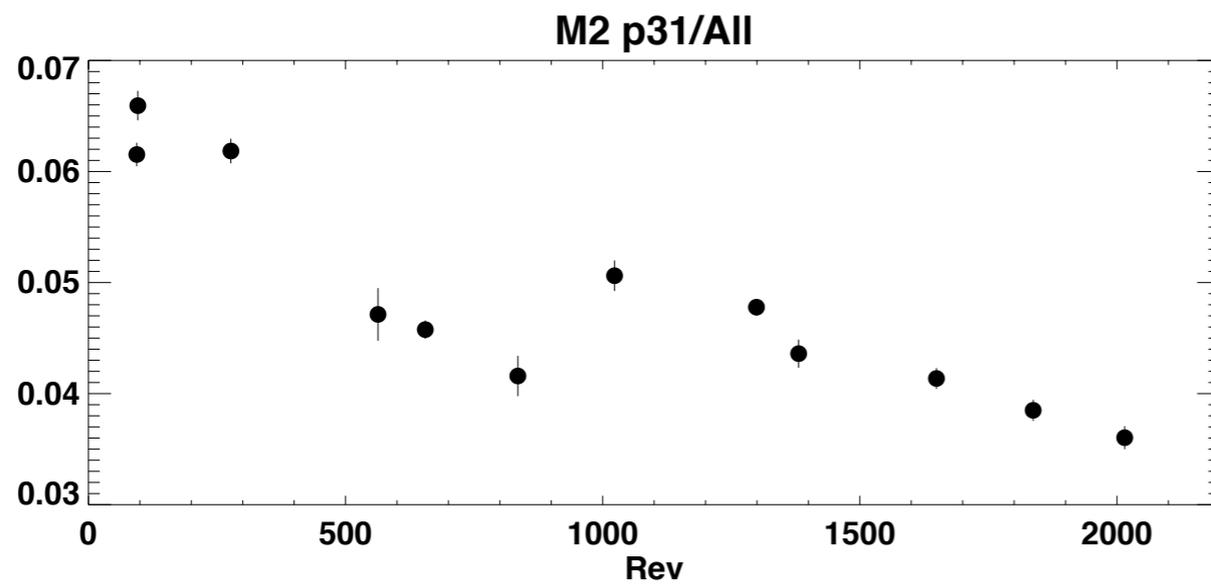




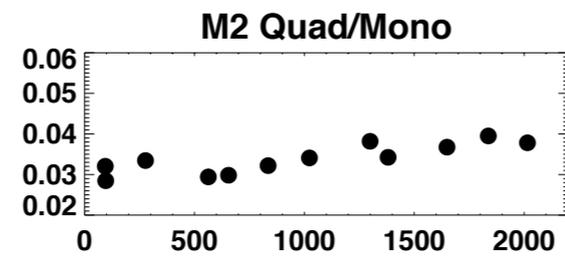
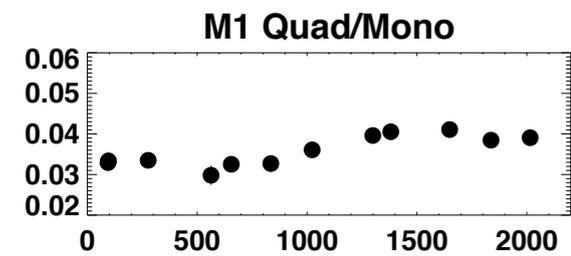
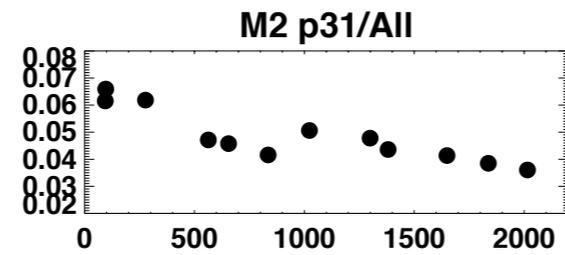
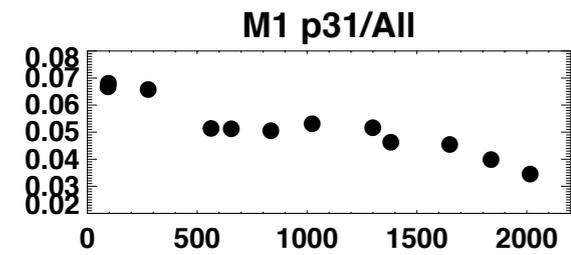
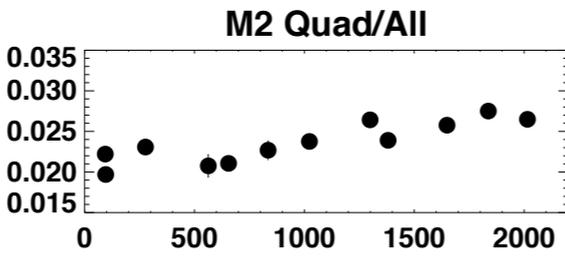
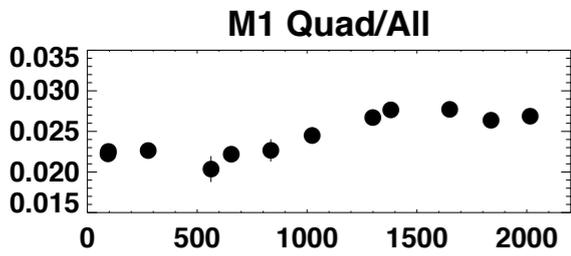
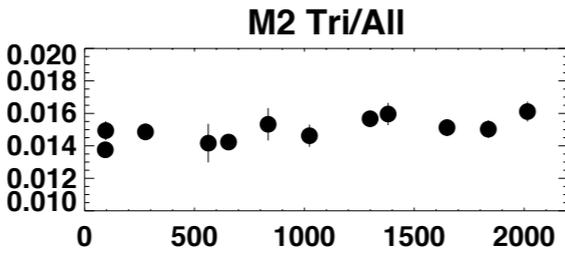
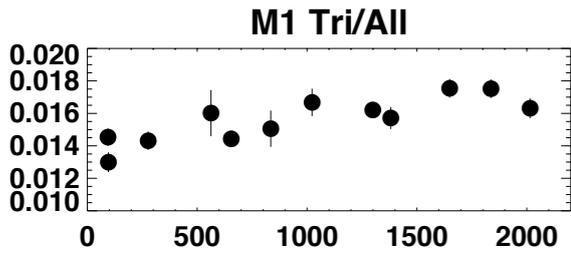
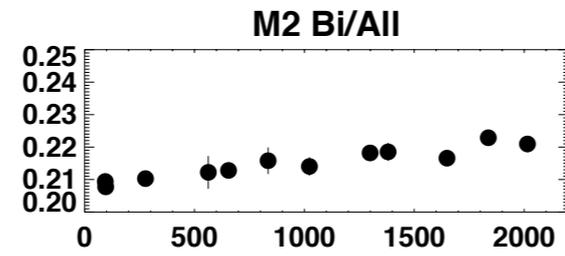
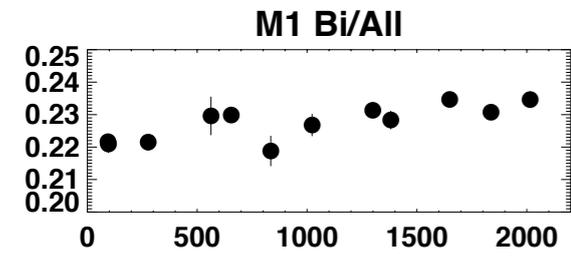
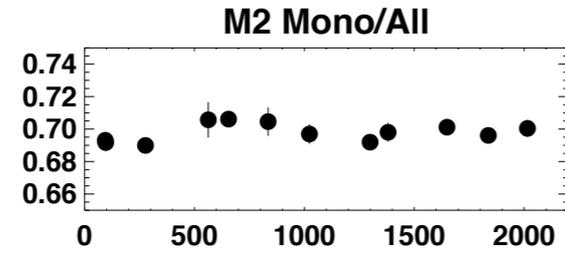
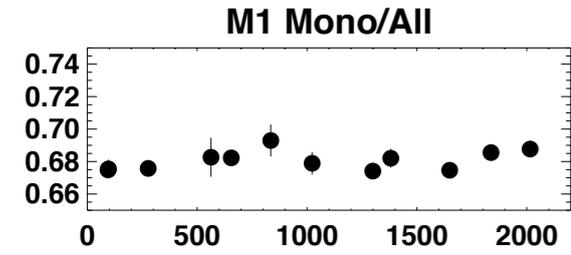
High energy slope



~ x2 decrease in P3 I/all



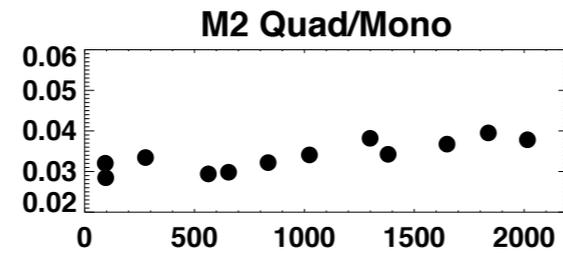
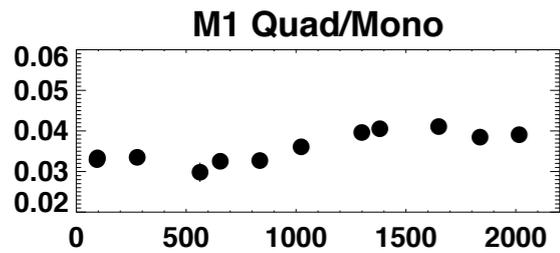
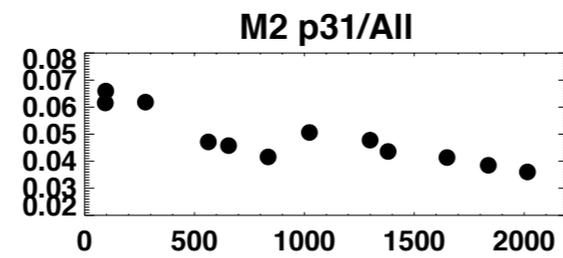
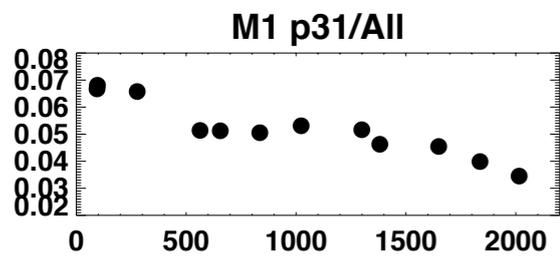
Pattern ratios in band 2.0-12 keV



~ x2 decrease in P3 I/all

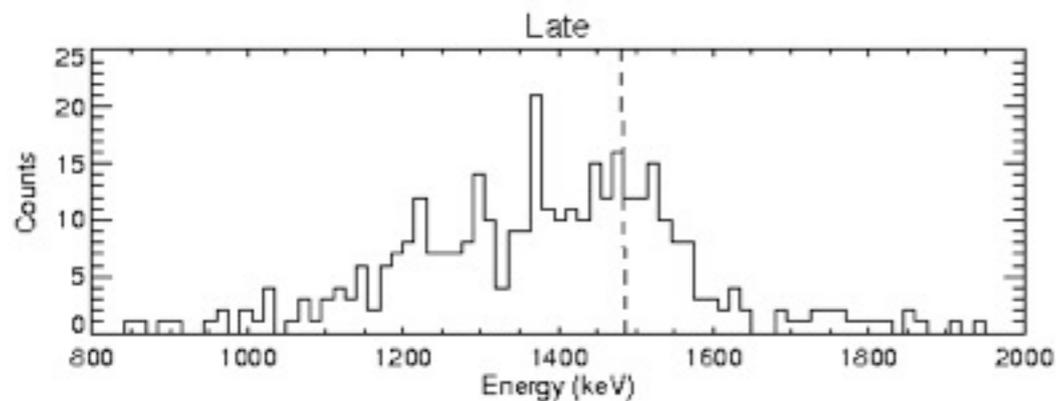
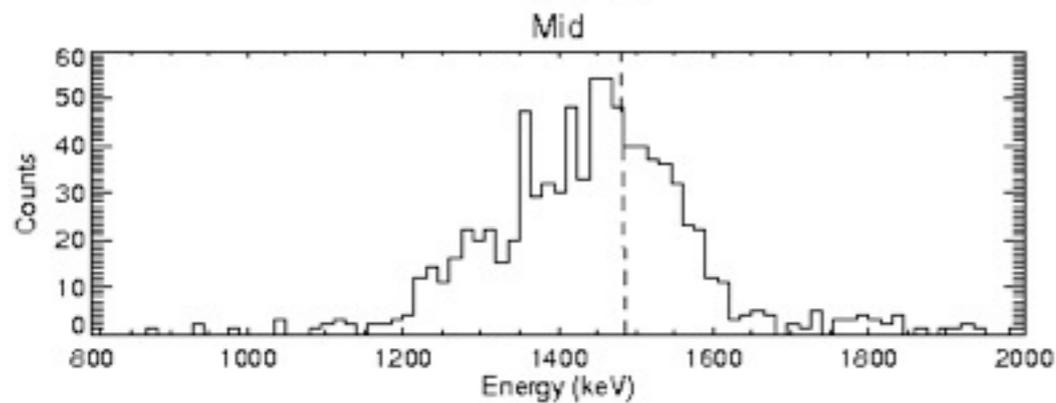
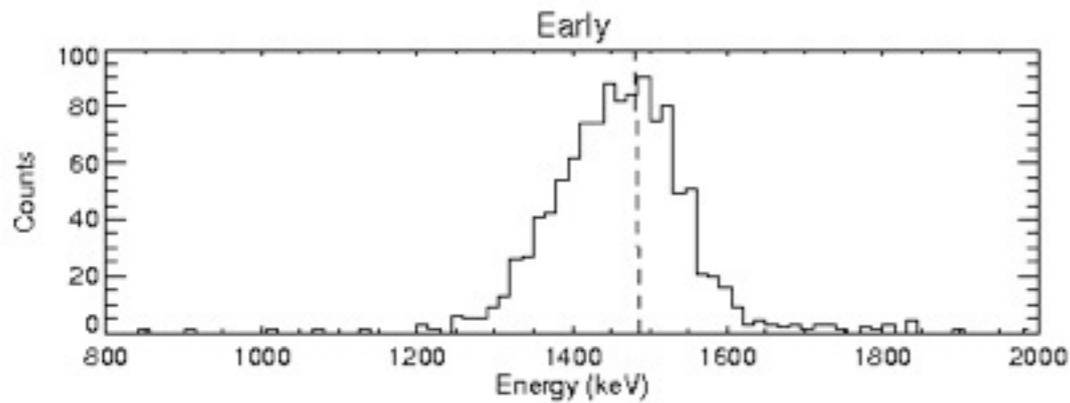


~ 15% change in quad/mono



~ 10% change in quad/mono
similar for tri/mono

Quad-pixel spectrum at Al K_{α}



But high pattern tri- and quad- energy reconstruction is degrading

Ratio change spectral shift effect?

Currently re-writing
MOS CTI/GAIN analysis package.
See talk by Jenny Carter.