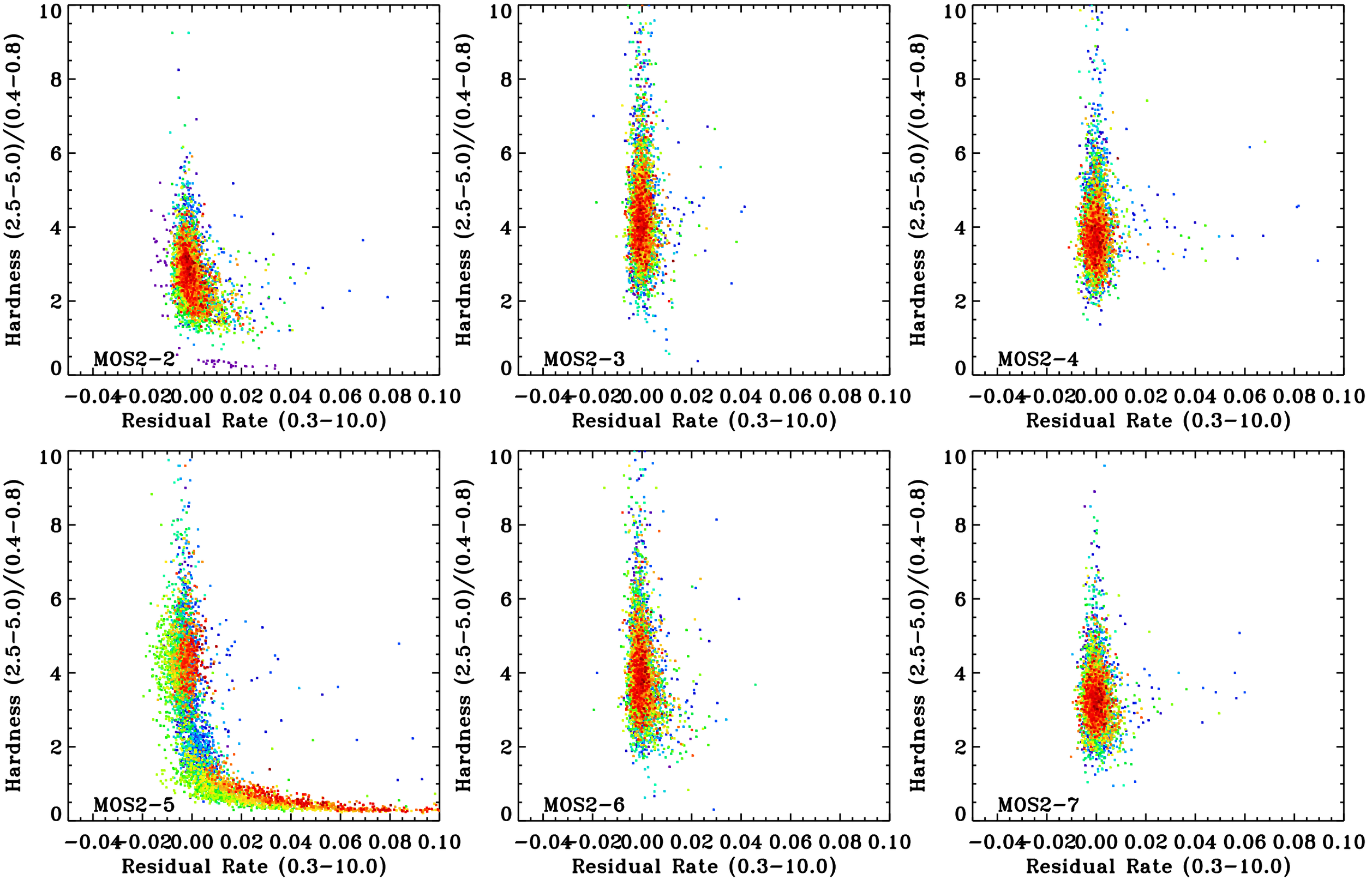
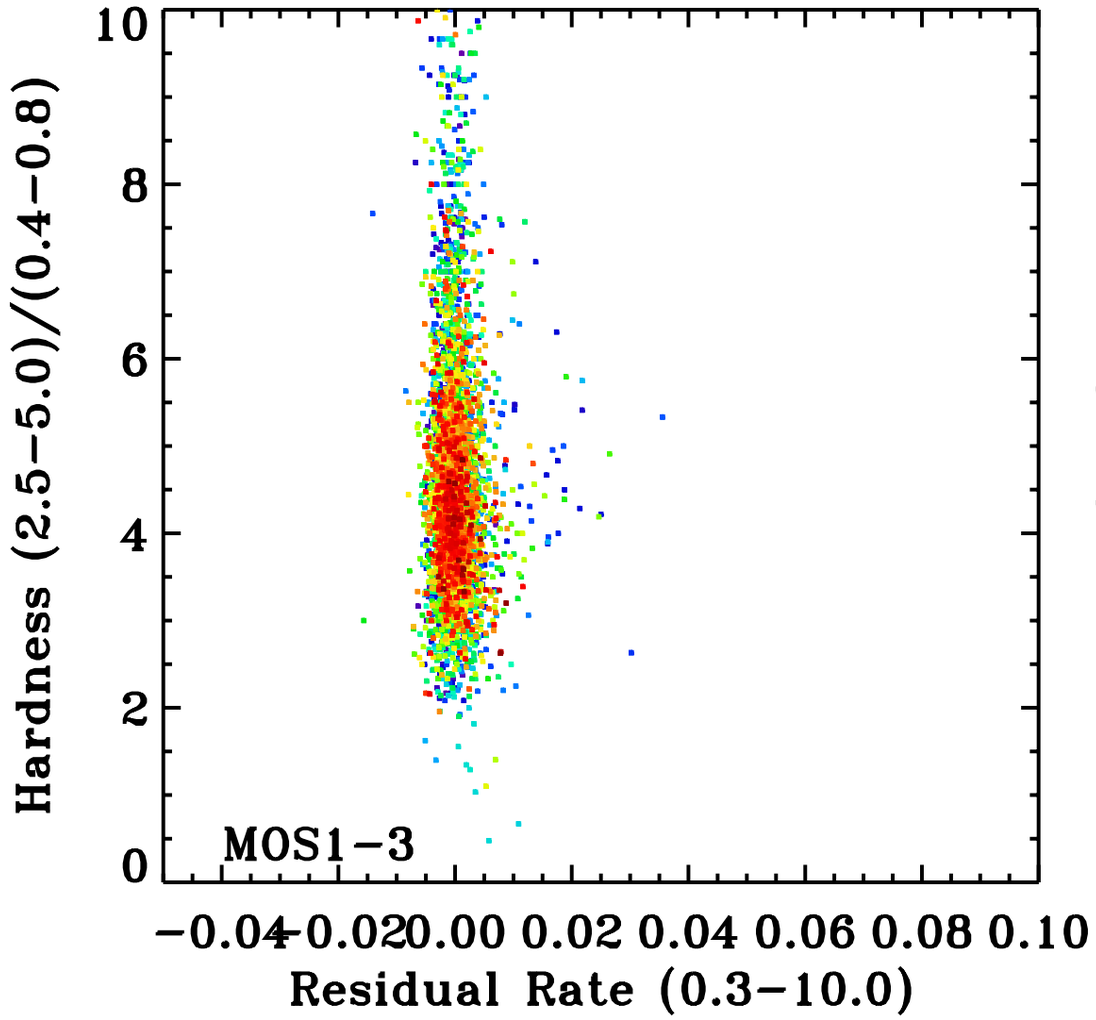
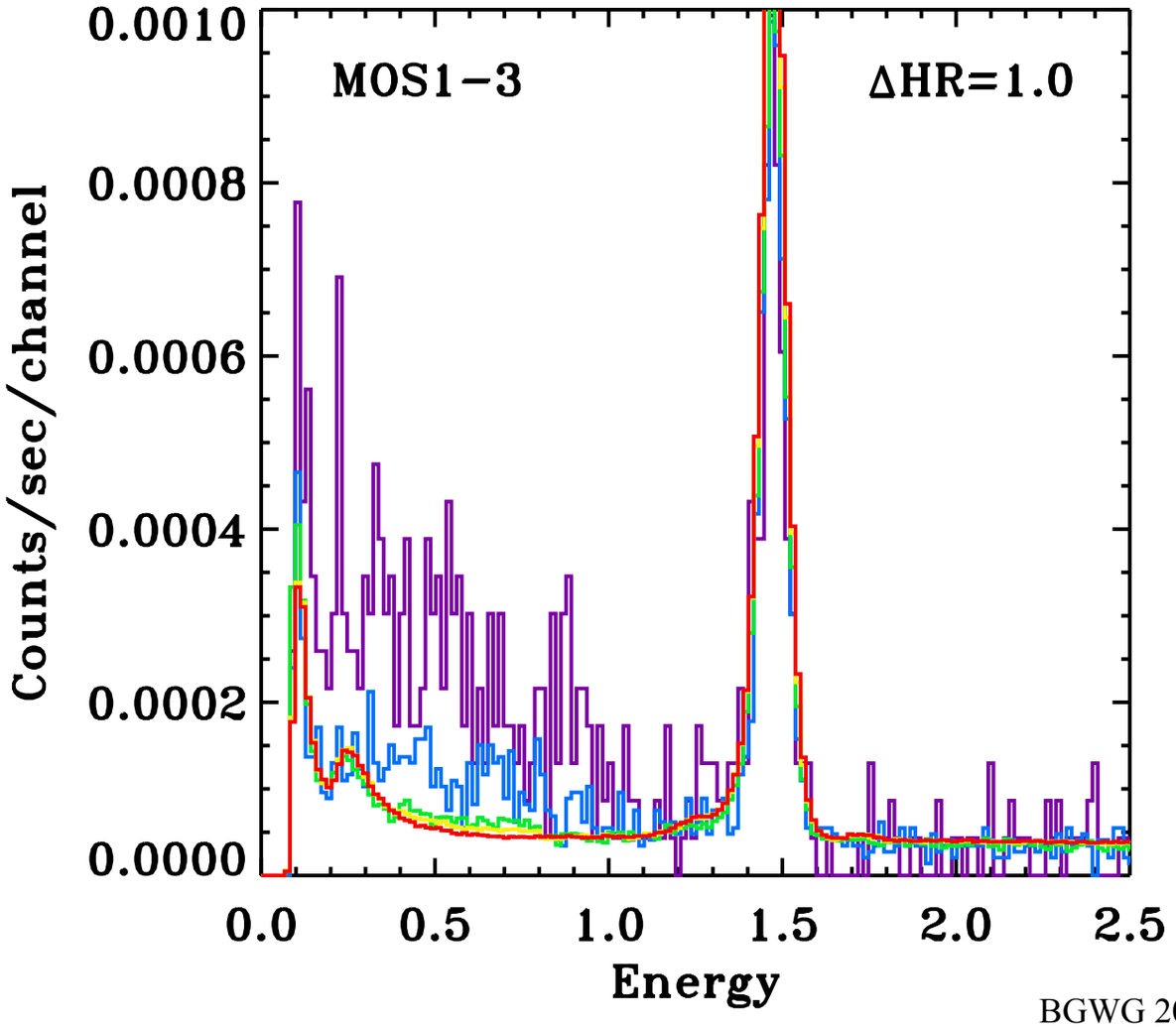

MOS2-2
MOS2-3
MOS2-4
MOS2-5
MOS2-6
MOS2-7
Hardness (2.5−5.0)/(0.4−0.8)
Residual Rate (0.3−10.0)
0
2
4
6
8
10
−0.04 −0.02 0.00 0.02 0.04 0.06 0.08 0.10

Instrument Health

MOS:

- Anomalous States:
  - No significant new anomalous chip states
  - 1-4, 1-5, 2-5 still the most problematic
  - A *very* few spectra from 1-3, 1-6, 2-3, 2-6 bad



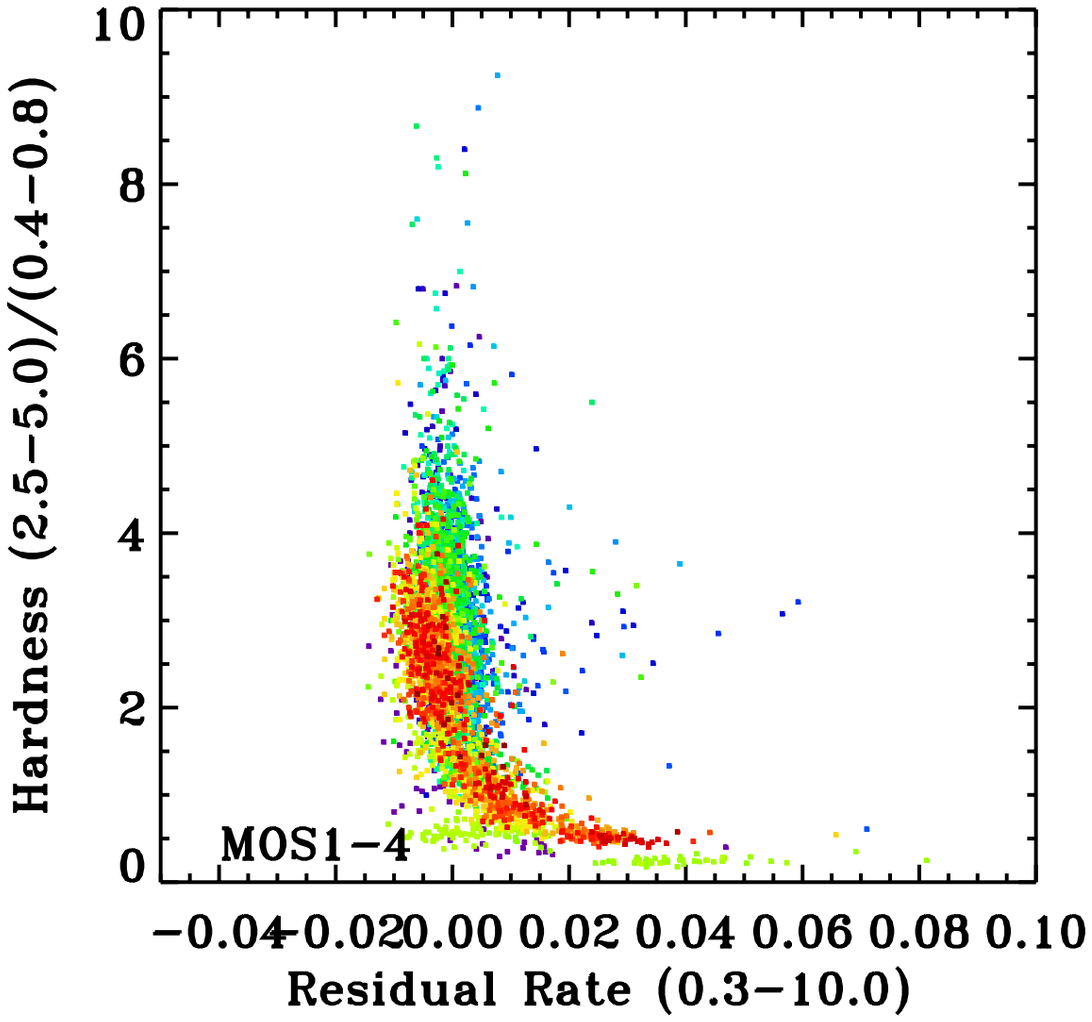


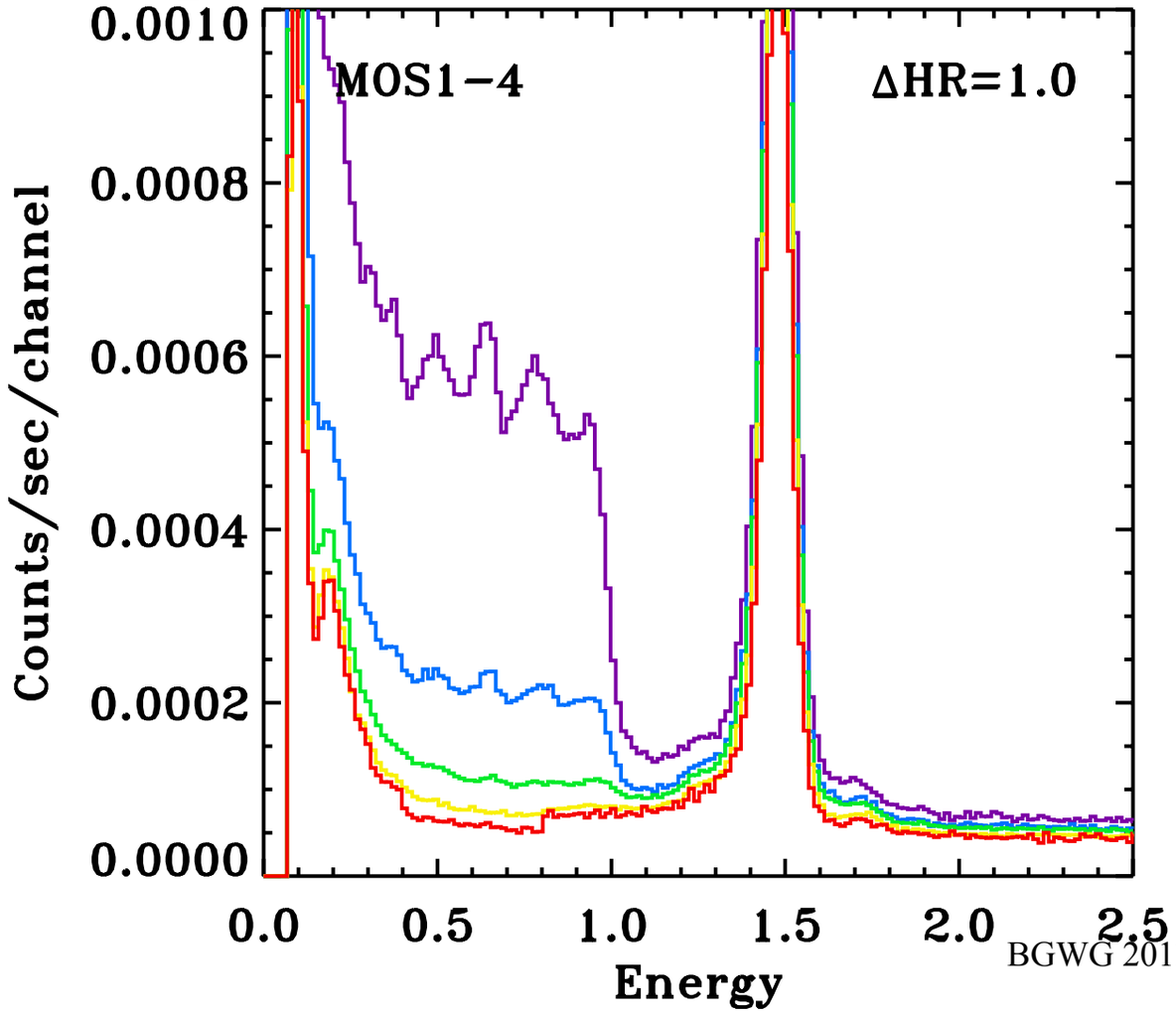
BGWG 2011

Instrument Health

MOS:

- Anomalous States:
  - No significant new anomalous chip states
  - 1-4, 1-5, 2-5 still the most problematic
  - A *very* few spectra from 1-3, 1-6, 2-3, 2-6 bad
  - Anom. states not so well separated in R-HR





Instrument Health

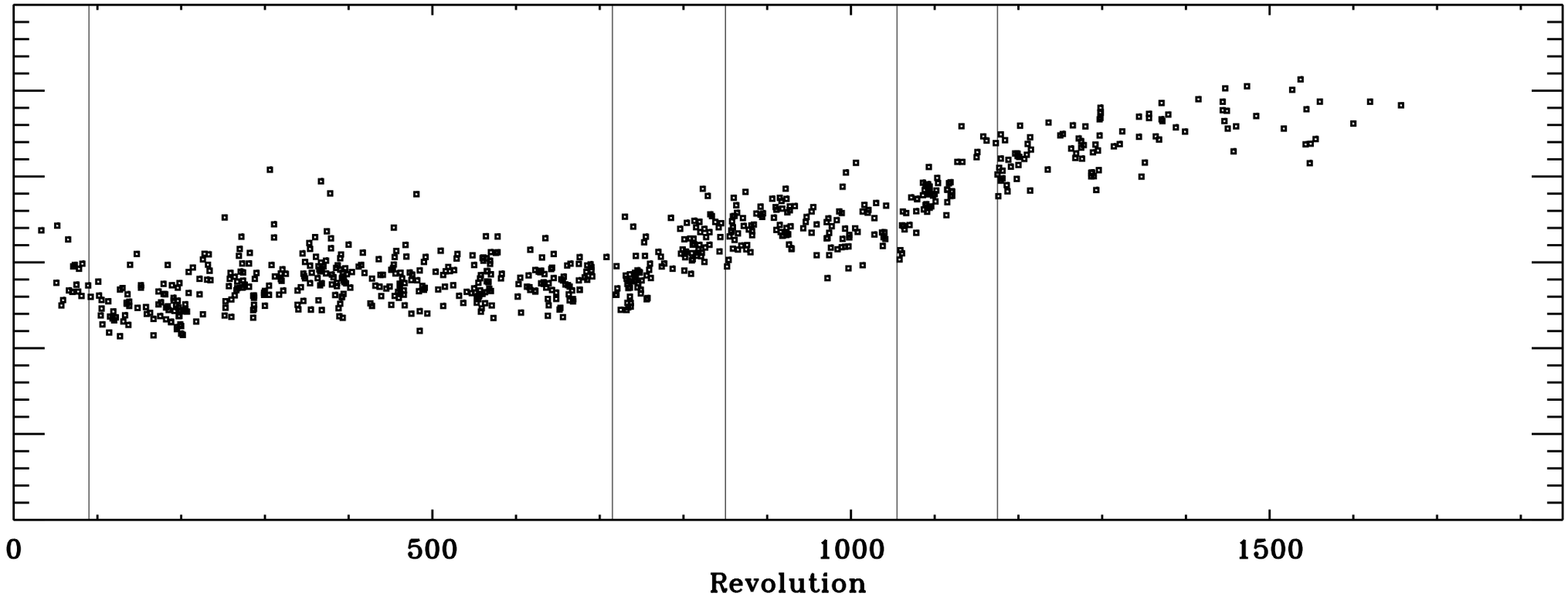
MOS:

- Anomalous States:
  - No significant new anomalous chip states
  - 1-4, 1-5, 2-5 still the most problematic
  - A *very* few spectra from 1-3, 1-6, 2-3, 2-6 bad
  - Anom. states not so well separated in R-HR
  - New anom. state defs. implemented in ESAS
    - HR<1.5 bad for all chips
    - 1-4, 2<HR<2.5 questionable, HR<2 bad
    - 1-5, HR<2 is bad
    - 2-5, 2.5<HR<3 questionable, HR<2.5 bad

Instrument Health

PN:

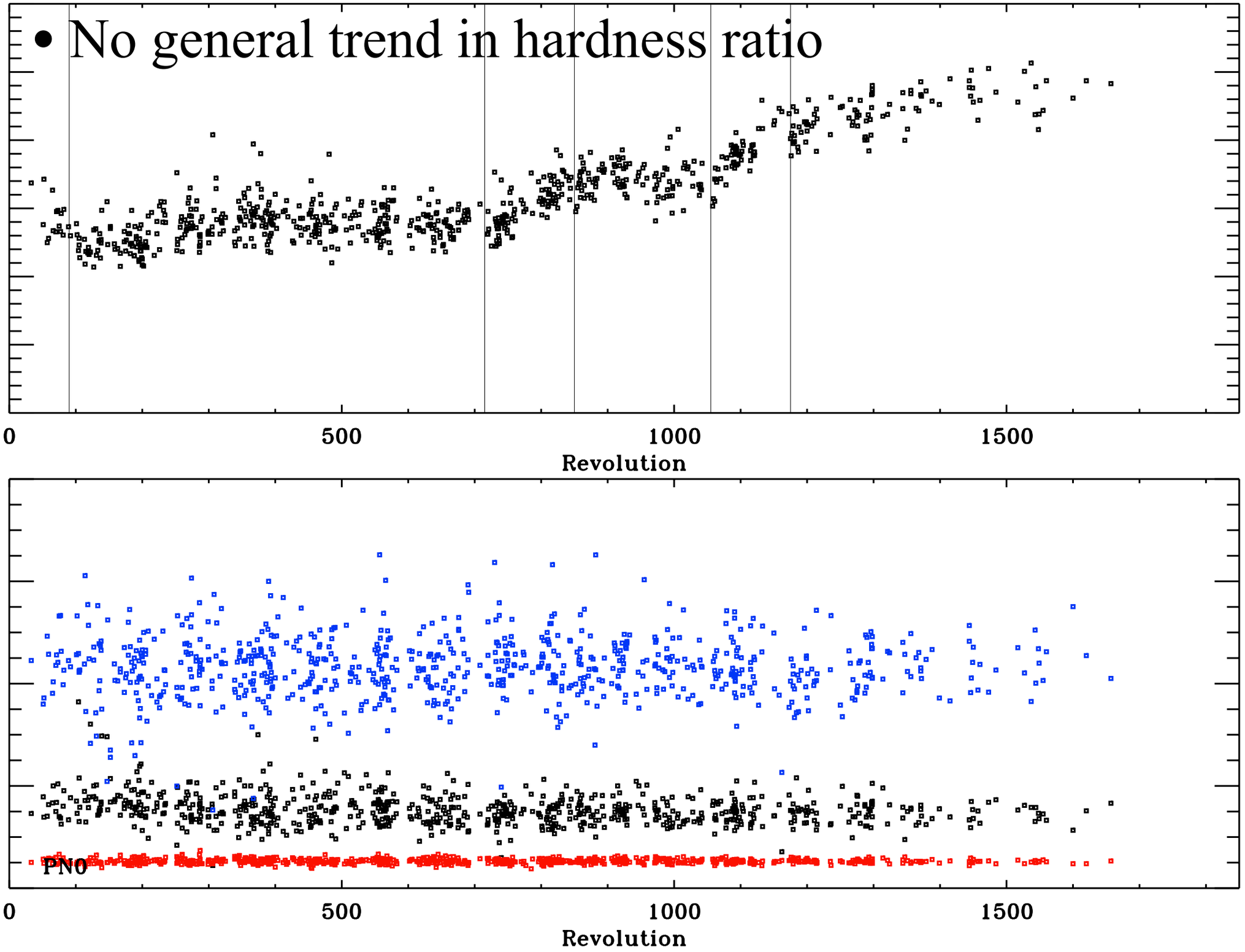
- General increase of QPB rate
- No general trend in hardness ratio



Instrument Health

PN:

- No general trend in hardness ratio



BGWG 2011

Summary

- Automated production of QPB files for MOS & PN
- Single QPB .fits file for each instrument
    - one chip per extension for MOS
    - one quadrant per extension for PN
- MOS QPB files include anomalous state data
    - new ESAS smart enough to exclude normally
    - may define/characterize “quasi-anomalous states”

Work Plan

Now (?) in maintenance mode

- Update MOS & PN QPB files ~ every six months
- Update FWC files (Snowden)
    - If the usable files forthcoming from SOC
- Construct new SP vignetting maps and spectra

SWCX - Part of continuing STORM proposal

- Building new magnetosheathic model
    - BATSRUS-like hydro model for unique events
    - Similar model cubes for quiescent periods