Cyg X-3 Cross-Calibration with XMM-Newton and Swift

HETG and CC-mode The HETG fits in HEG and MEG Comparison to XMM-pn

HETG in CC-mode:







- 13 -

Fig. 6.— Five cases of X-ray scattering halos and its dispersion observed with HETG in TE mode. The colored regions indicate the extraction regions for MEG (red) and HEG (blue) spectra. The green arrow marks the orientation towards north in the system. The central oval is the zero order extraction region. (a) The HETG extraction regions and arrays of Cyg X-2 i (~ 450 mCrab) is moderately absorbed with about 3×10^{21} cm⁻² column density



Cyg X-3 in HETG CC-mode: HEG spectrum



Cyg X-3 in HETG CC-mode: MEG spectrum





HETG CC-mode: G66 flight grade recovery

GX 349+2



GX 13+1

