

HRC-S/LETG: Degap and Wavelength CORRECTIONS

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AR Lac trace

(RAWX , RAWY)

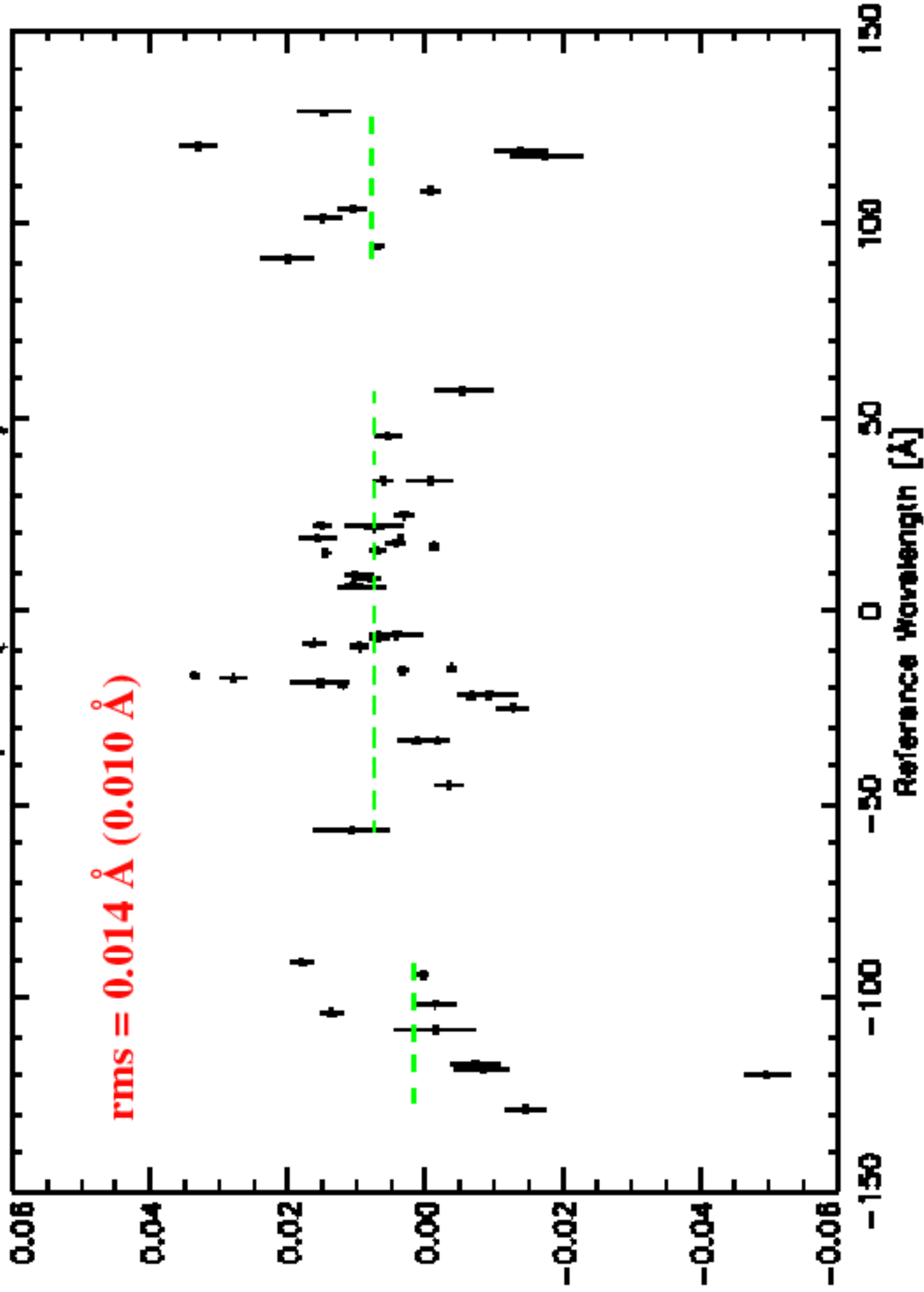
(DETX , DETY)



Capella (Obsid 1248)

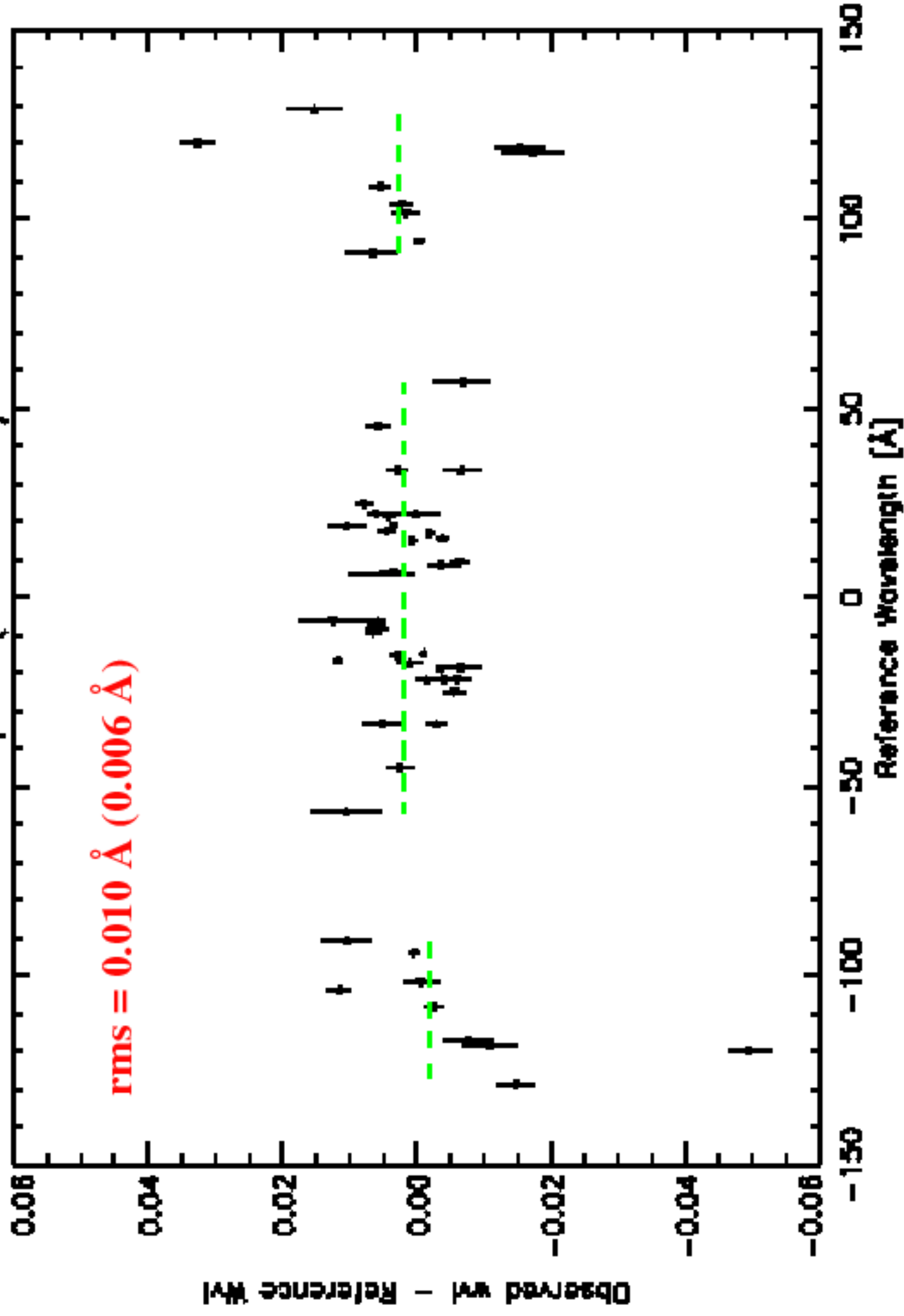
rms = 0.014 Å (0.010 Å)

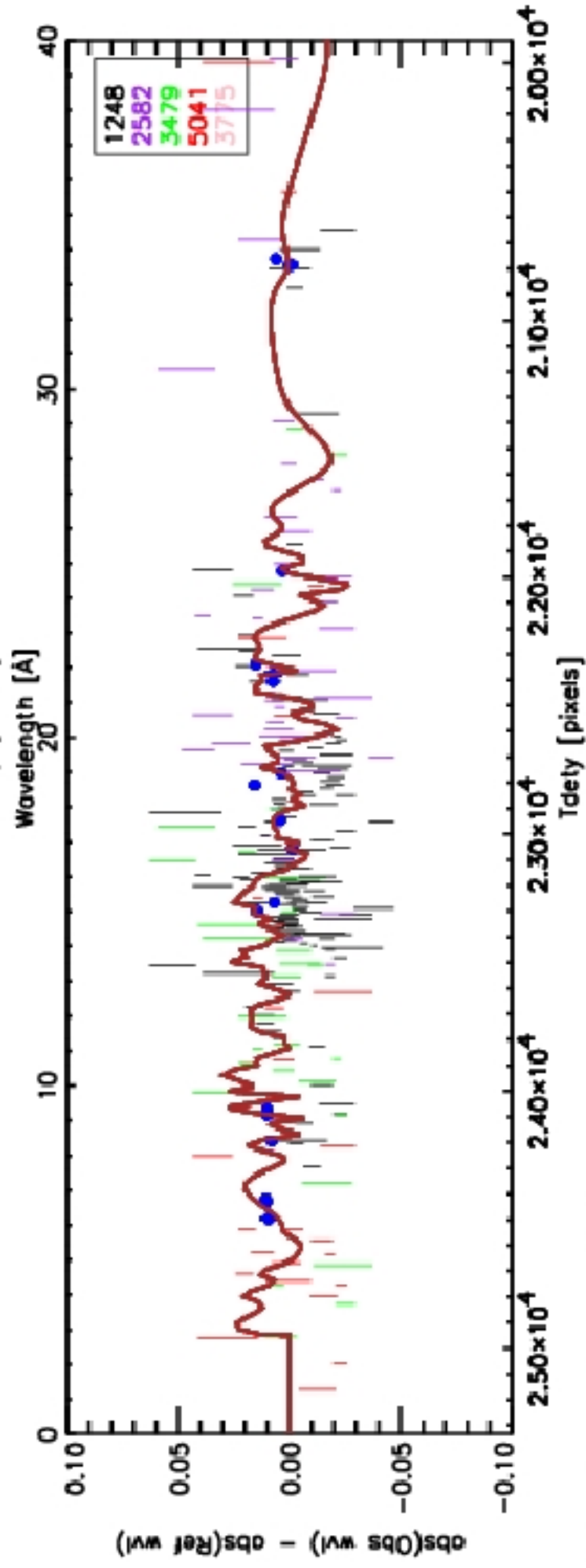
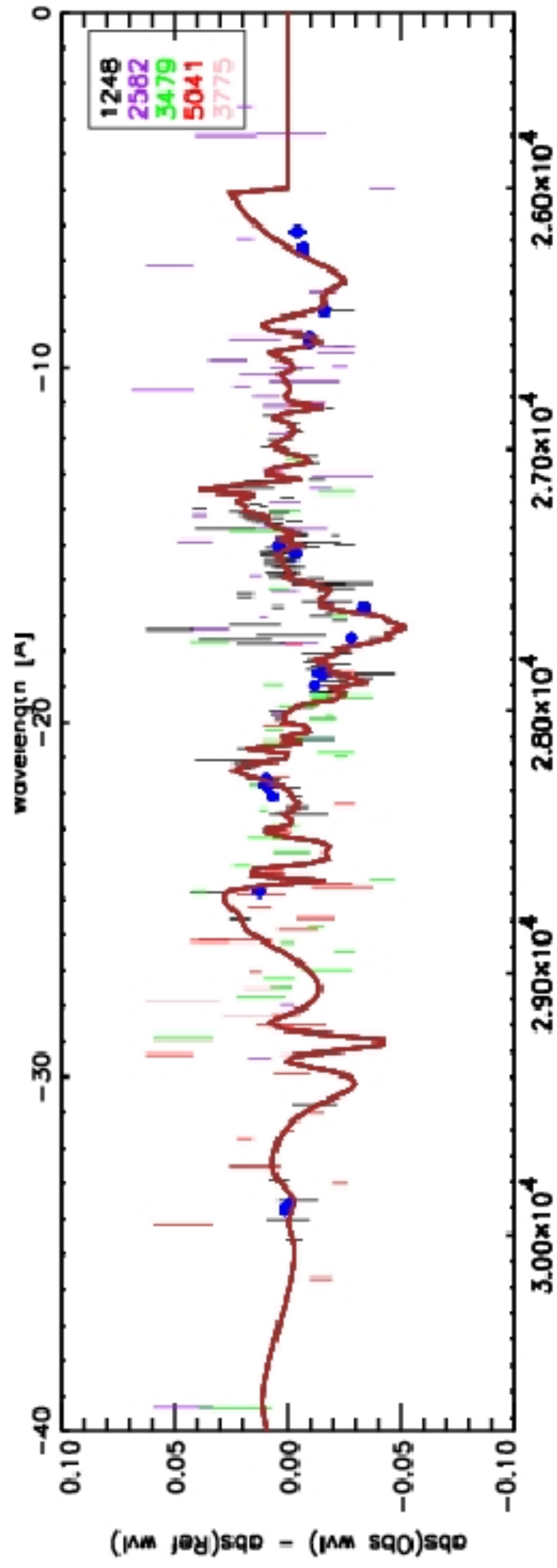
Observed wvl - Reference Wvl



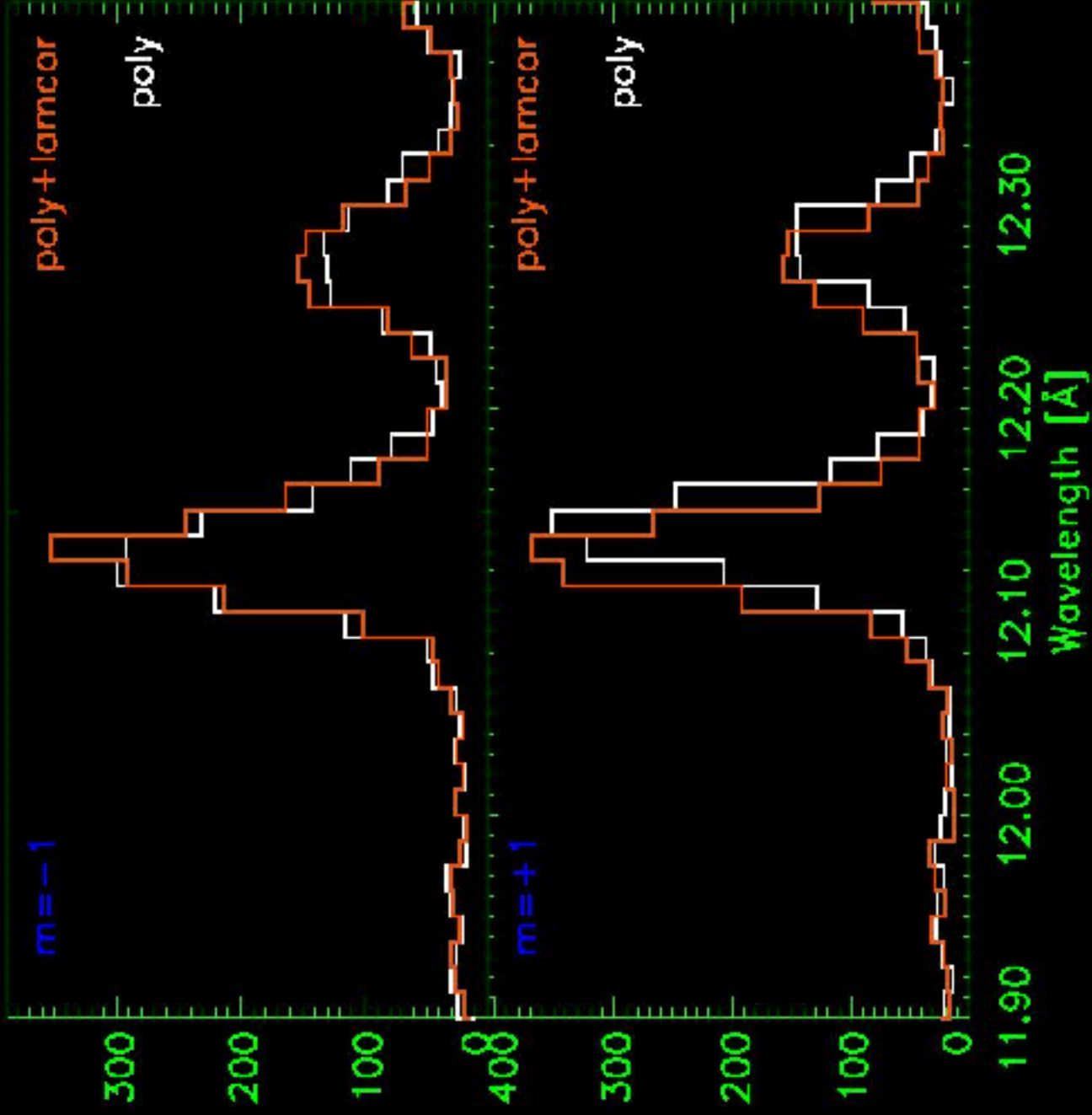
Capella (Obsid 1248)

rms = 0.010 Å (0.006 Å)

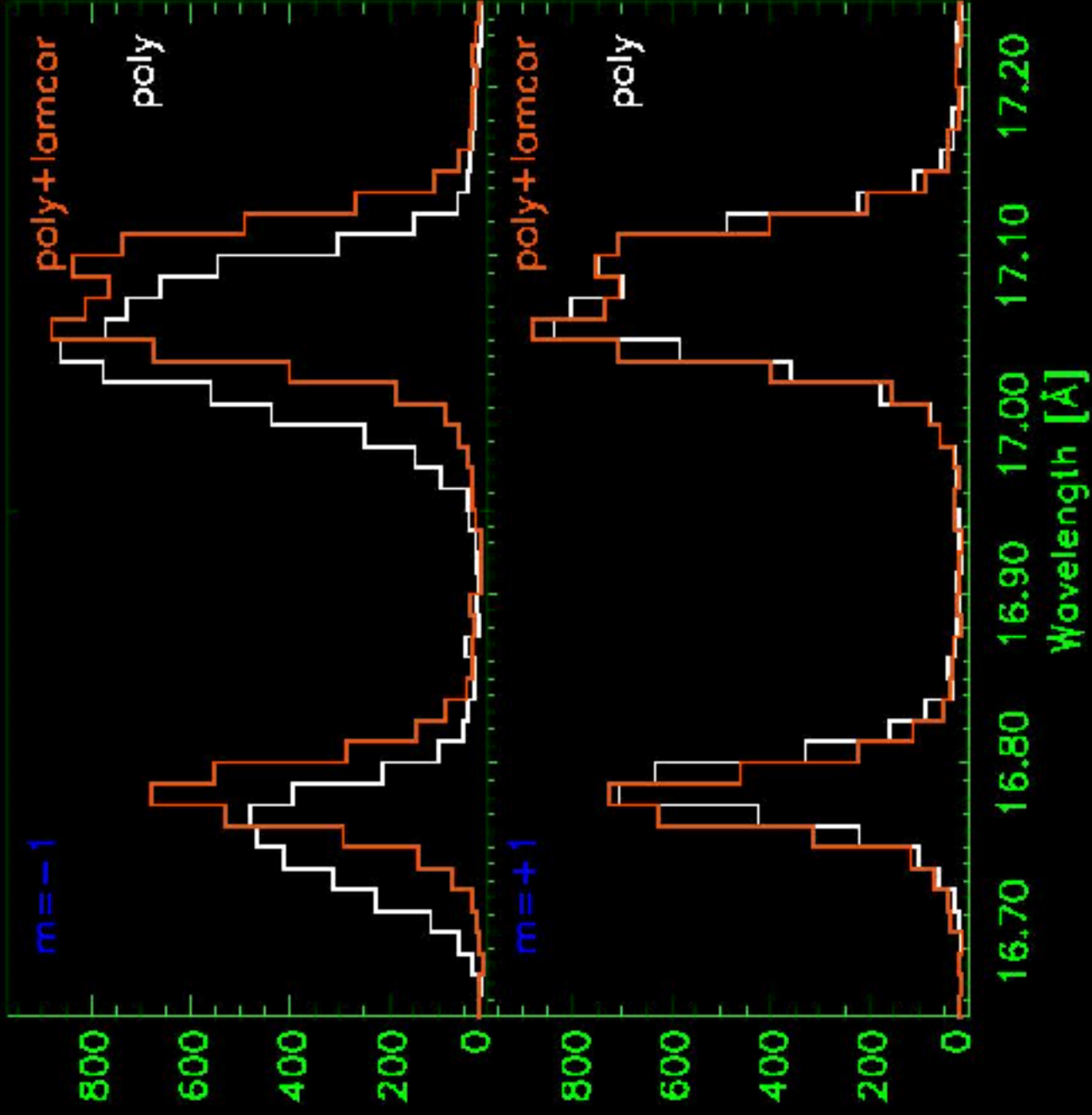




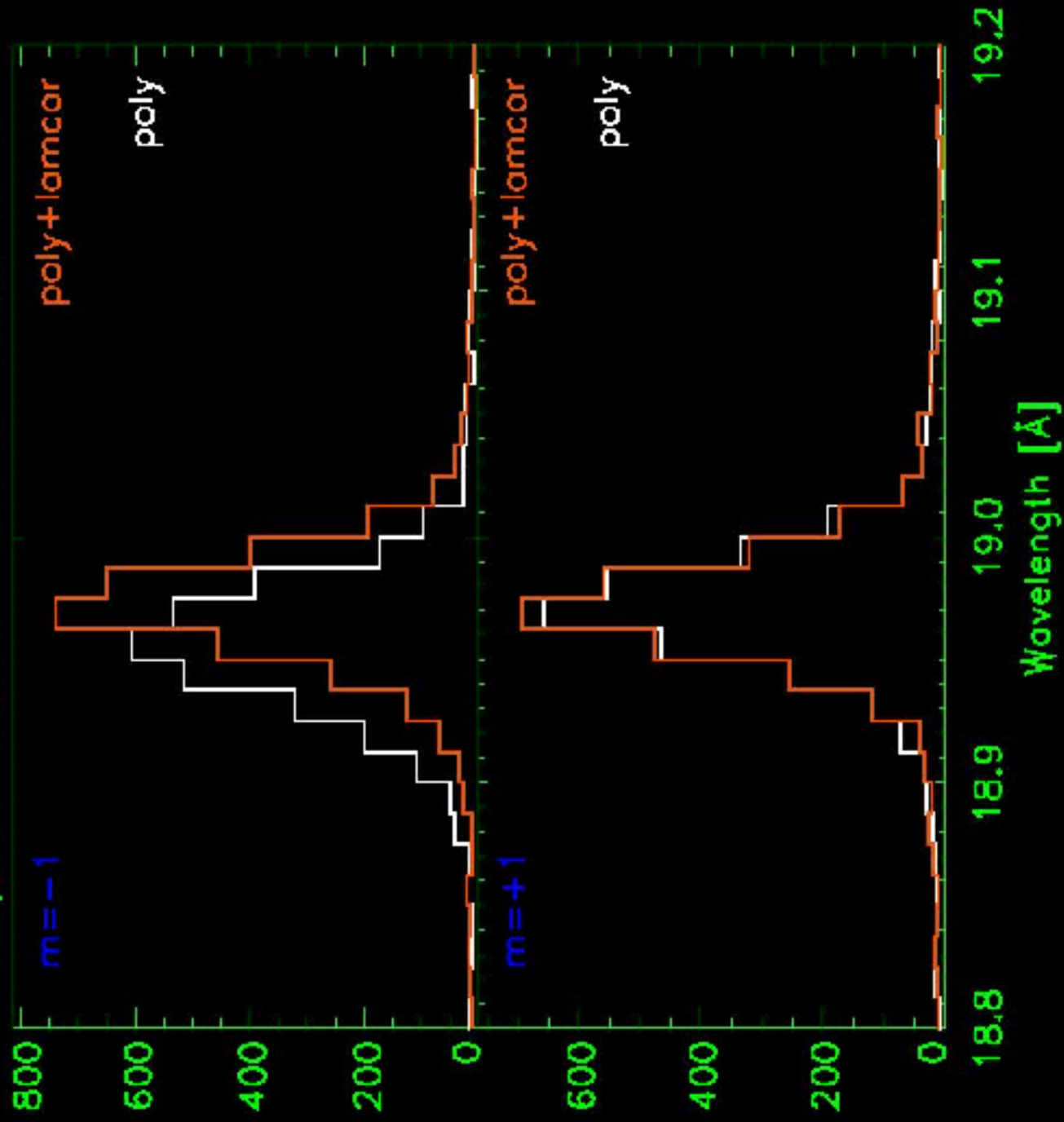
Capella: LETGS+HRC-S: ObsID 1248



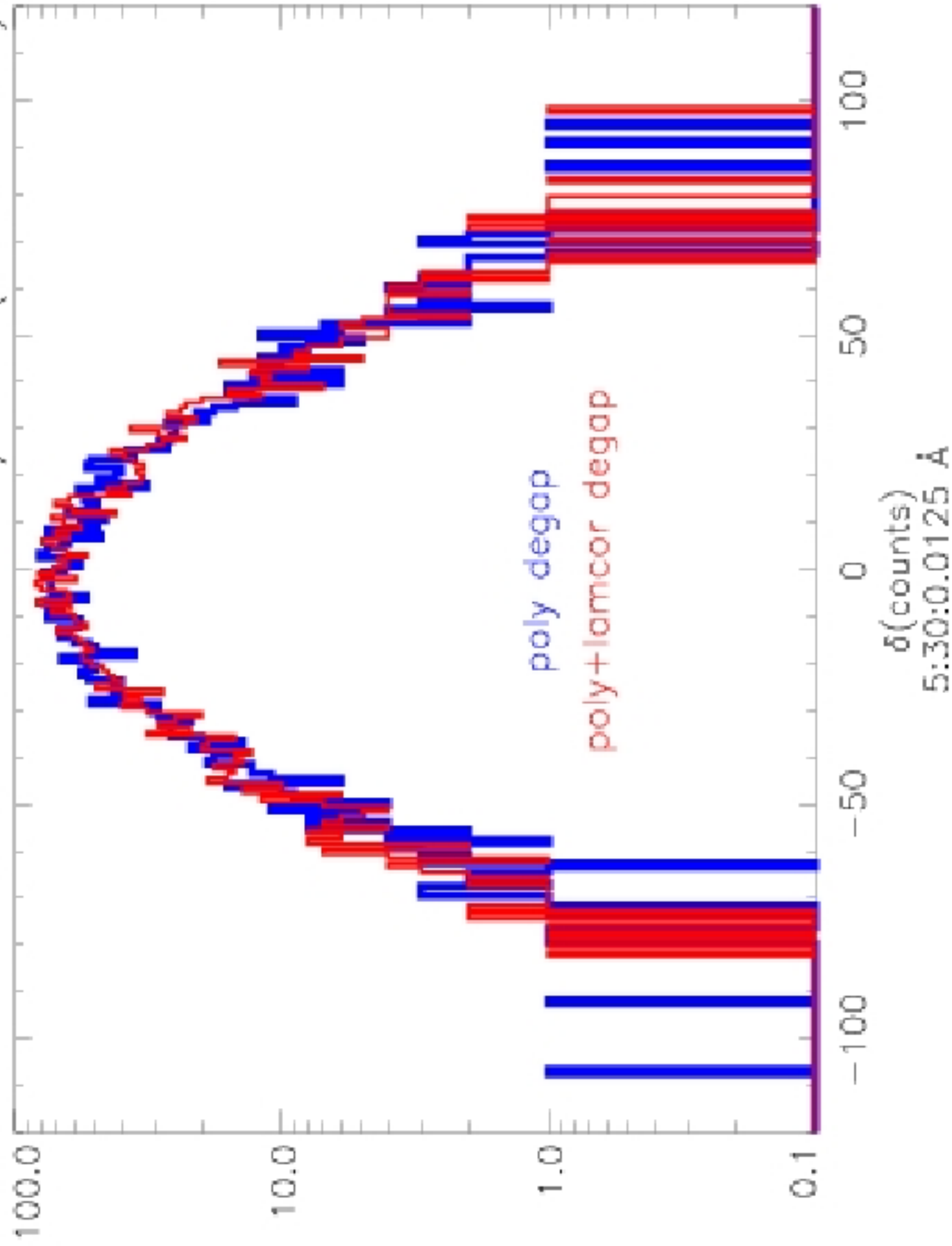
Capella: LETGS+HRC-S: ObsID 1248



Capella: LETGS+HRC-S: ObsID 1248



ObsID 4149: Mkn 421: HRC-S/LETG (model-data)



HRC-S Degap Corrections

`$CALDB/data/chandra/hrc/bcf/gaplookup/hrciD1999-07-22gaplookupN0002.fits`

- based on detailed corrections to line locations as a function of detector positions previously computed from polynomial degap solutions
- replaces Pete Ratzlaff's corrlam script
- improves wavelength scale; rms ~ 0.006 Ang over S1
- has no measurable effect on continuum spectra
- next (and final) step: apply to empirical degapping corrections derived from continuum spectra