Motivation

- X-Ray Calibration Facility (XRCF) data on higher orders (HOs) obtained during ground calibration (winter 1996/97) are limited, with larger than expected systematic errors, but suggest that current LETG models may be overestimating some orders longwards of 10 Å.

- The shape of the "bump" spanning 6−12 Å was not well calibrated.

- LETG/HRC-S spectra have high background and no energy resolution, so order separation is difficult and HO efficiencies can only be derived at a few energies where there are strong lines.

- LETG/ACIS-S spectra provide easy order separation at most energies. Pileup is a concern with high rates (which we want for good statistics) but is straightforward to deal with for continuum sources because it's a 1-dimensional effect.