Figure 5: Empirical correction to the CALDB degapping solution for all taps along the dispersion axis. The difference in pixel shifts between the empirical and CALDB solutions are plotted (blue curves). A pixel covers 6.43 μm, or 0.0067 Å on the dispersion scale; for context, the line response function has a FWHM of 0.05 Å, or $\sim$ 8 pixels. The polynomial fit to the empirical solution is also plotted as the red curve. Also shown in the lower part of each panel is the spectrum used to determine the true distribution of counts over a tap (solid green line); this is offset and rescaled to arbitrary linear units for purposes of illustration. Note the large spikes corresponding to the locations of the zeroth orders of the coadded data. The approximate wavelength scale for a nominal pointing is shown along the top of each plot.