A supplement to
THE KONUS-*WIND* CATALOG OF GAMMA-RAY BURSTS WITH KNOWN REDSHIFTS.
II. WAITING MODE BURSTS SIMULTANEOUSLY DETECTED BY *SWIFT*/BAT.

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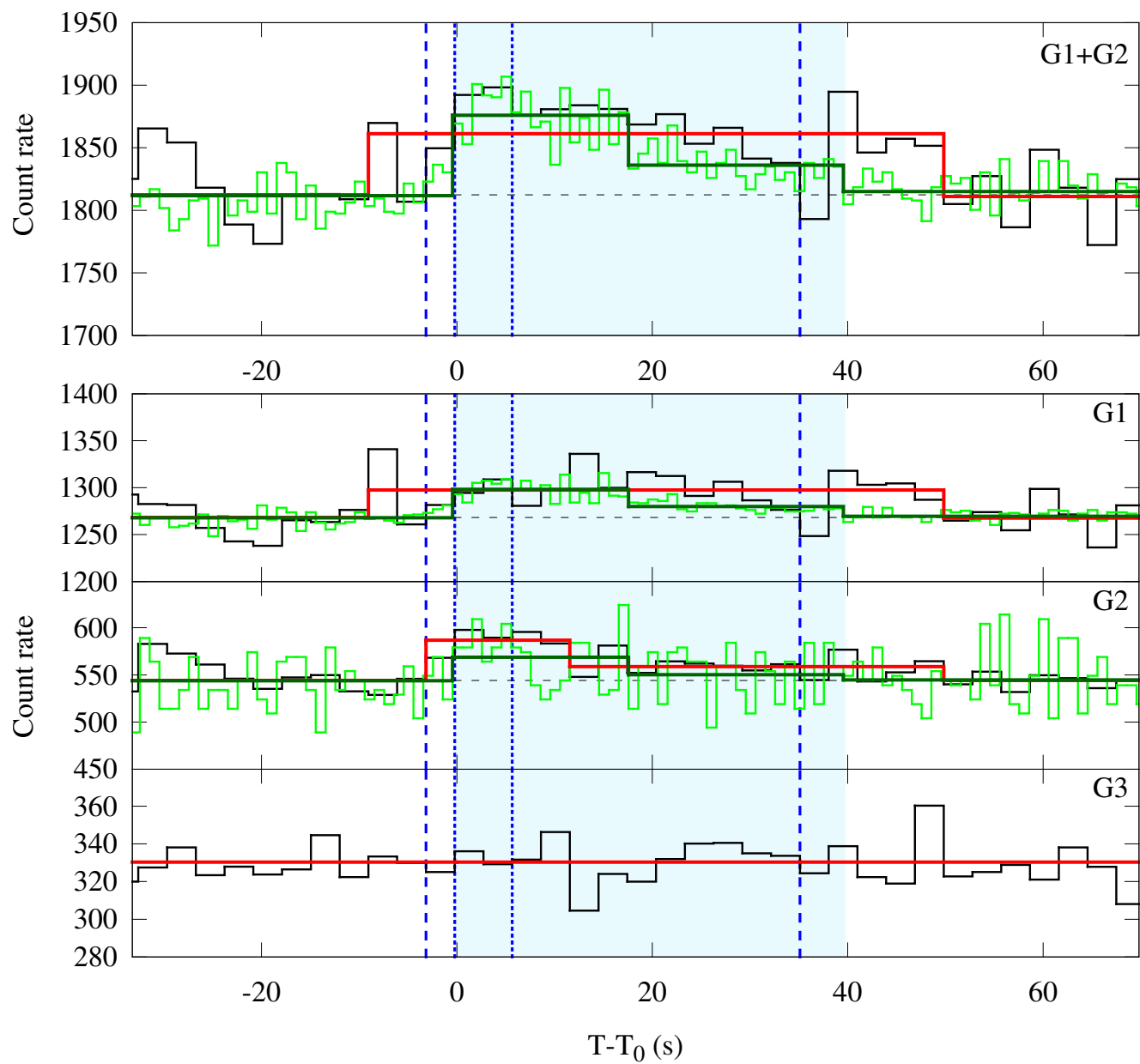[a]tsvetkova@mail.ioffe.ru
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Data on each burst are presented on two pages. KW waiting-mode (black) and BAT (light green) light curves along with their Bayesian block decompositions (red and green, correspondingly) are shown on the first page. The second page features spectral parameters for GOOD models and the fit plots with residuals. The dashed and dotted vertical lines denote the TI and peak spectra correspondingly.

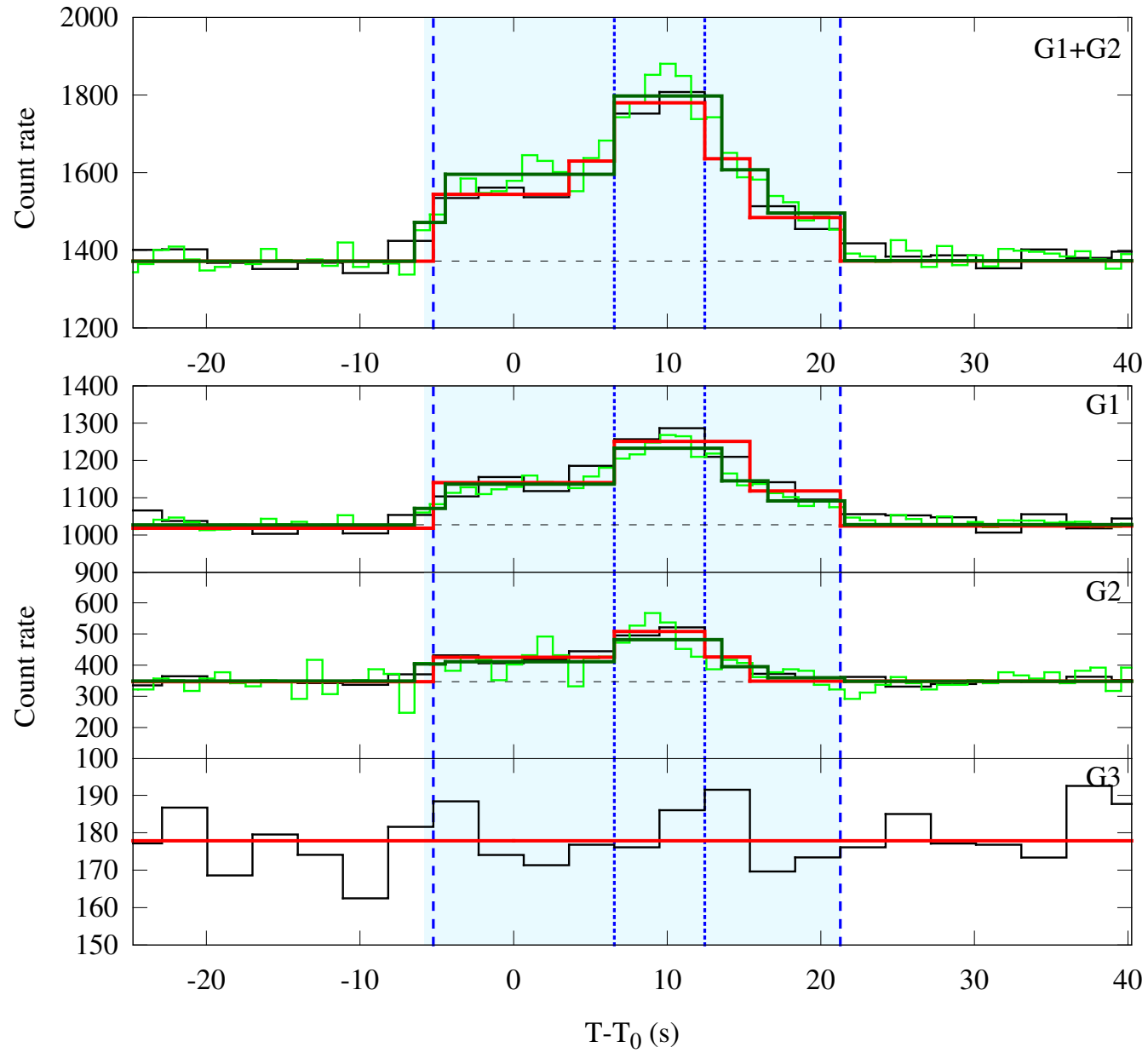GRB 050126 T_0 = 43254.07344 s S2 (z=1.290)
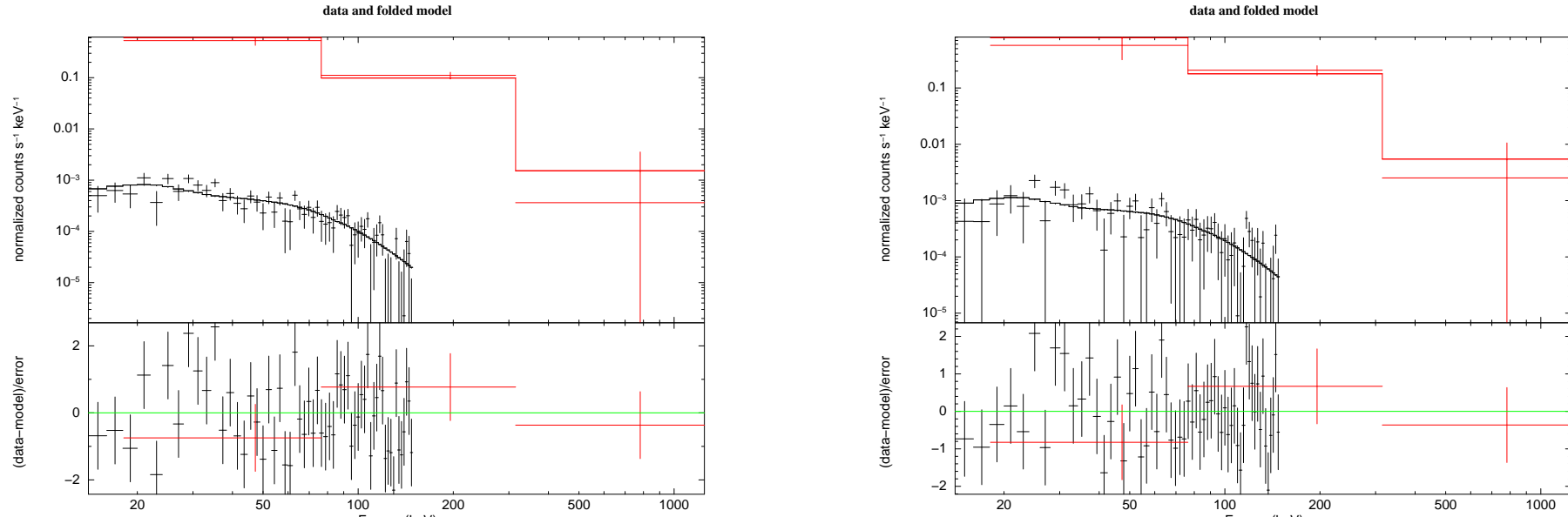
2

GRB 050126

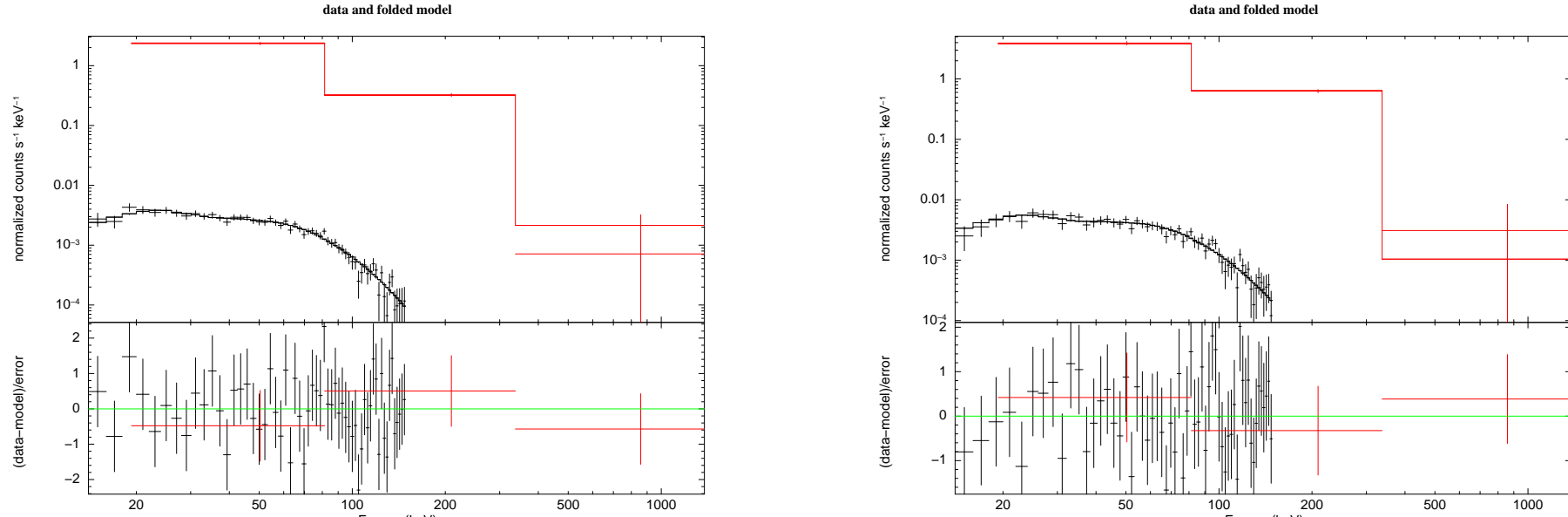Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_p (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$-3.168\ldots35.104$	**CPL**	$\mathbf{-0.90^{+0.28}_{-0.23}}$	$\ldots$	$\mathbf{158^{+82}_{-41}}$	$\mathbf{0.63^{+0.19}_{-0.12}}$	$\mathbf{72.1/59(0.12)}$
Peak	$-0.224\ldots5.664$	**CPL**	$\mathbf{-0.78^{+0.37}_{-0.27}}$	$\ldots$	$\mathbf{239^{+218}_{-92}}$	$\mathbf{1.29^{+0.68}_{-0.41}}$	$\mathbf{55.5/59(0.61)}$

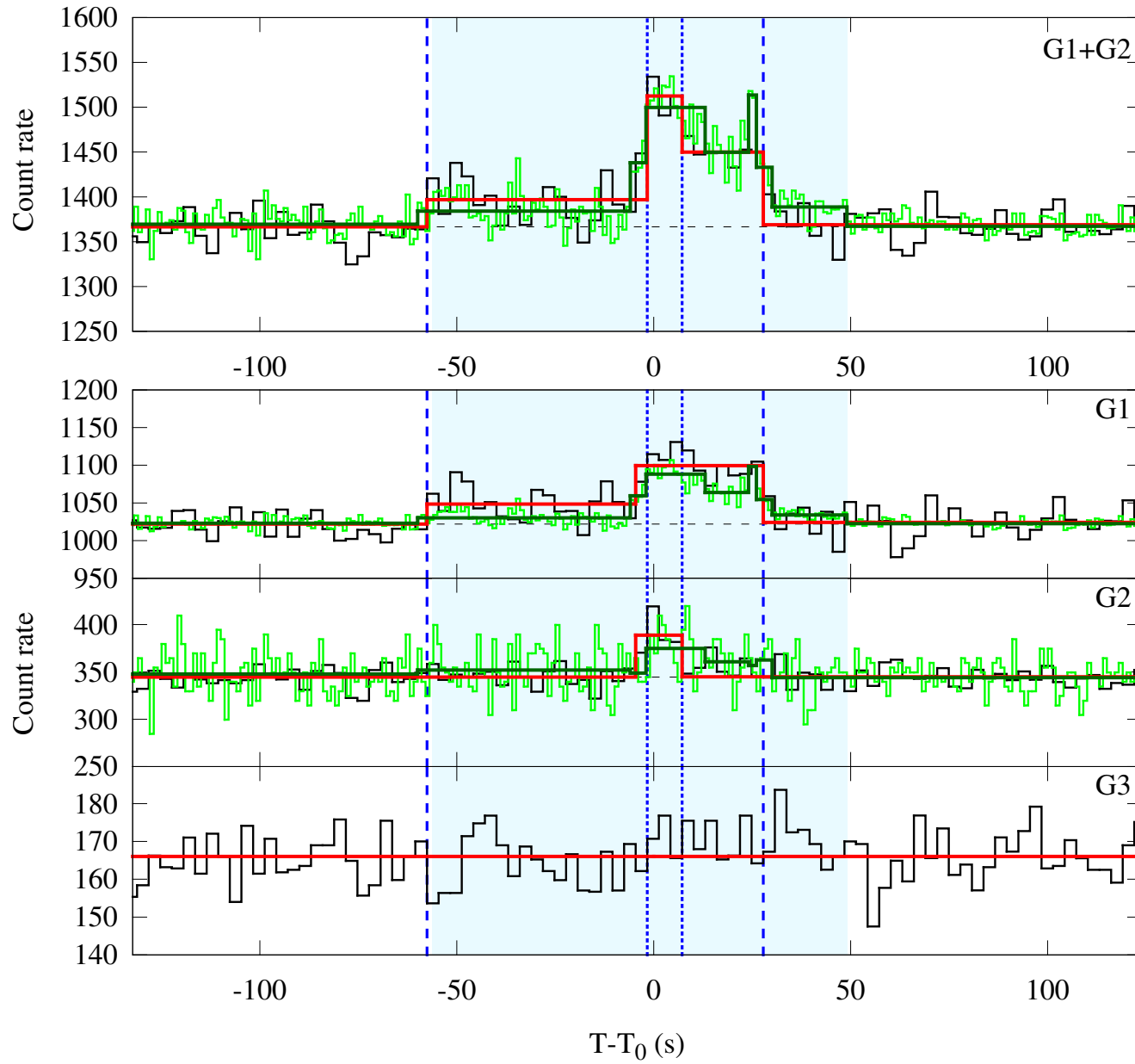GRB 050219A T_0 = 45601.04912 s S1 (z=0.211)

GRB 050219A

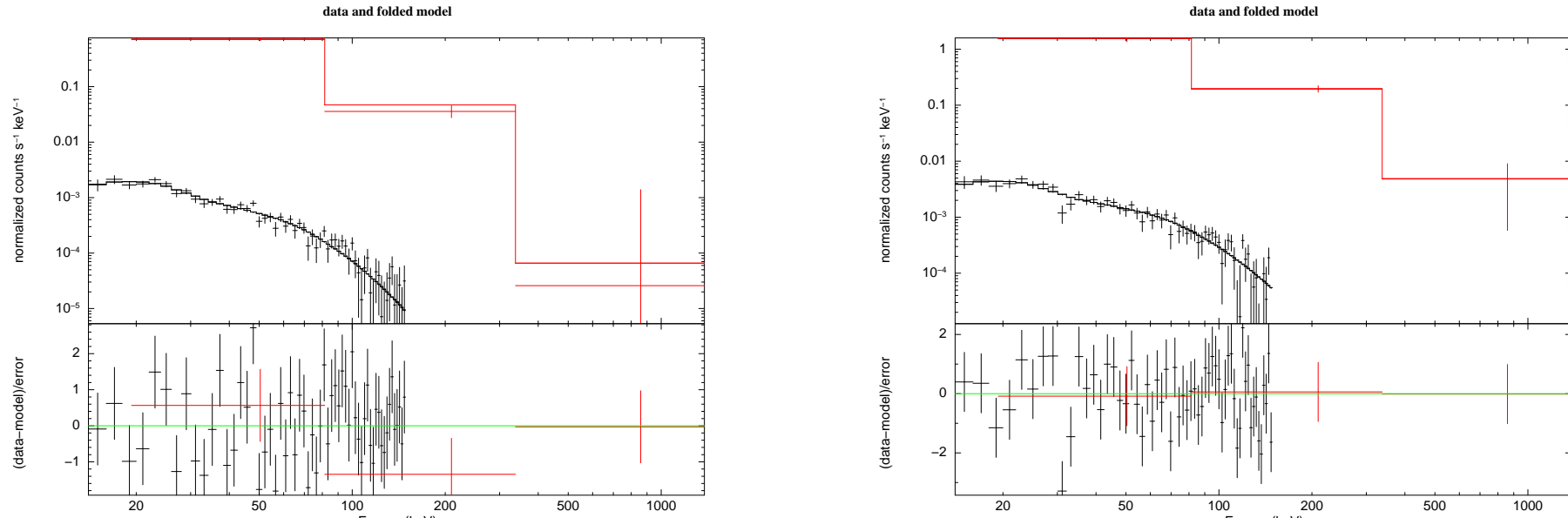Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-5.223\ldots21.273$	**GRBM**	$\mathbf{0.02^{+0.19}_{-0.17}}$	$\mathbf{-3.35^{+0.55}_{-6.65}}$	$\mathbf{93^{+6}_{-5}}$	$\mathbf{2.33^{+0.27}_{-0.25}}$	$\mathbf{44.5/58(0.9)}$
		CPL	$-0.04^{+0.15}_{-0.14}$	$\ldots$	96^{+4}_{-4}	$2.12^{+0.08}_{-0.07}$	$45.0/59(0.91)$
Peak	$6.553\ldots12.441$	**CPL**	$\mathbf{0.05^{+0.18}_{-0.17}}$	$\ldots$	$\mathbf{110^{+7}_{-6}}$	$\mathbf{4.02^{+0.21}_{-0.19}}$	$\mathbf{41.6/59(0.96)}$

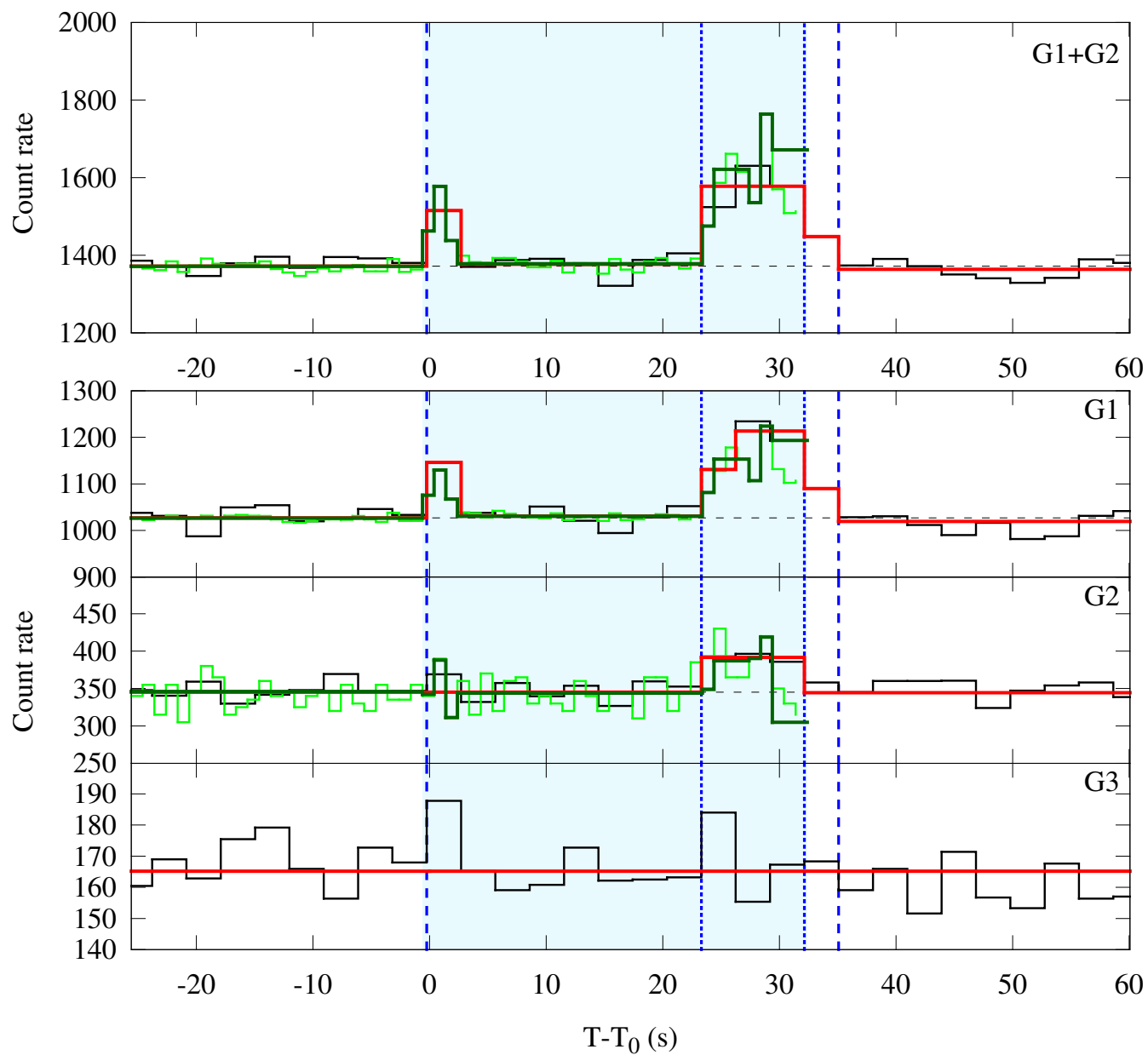GRB 050315 T_0 = 75582.5189 s S1 (z=1.9500)

GRB 050315

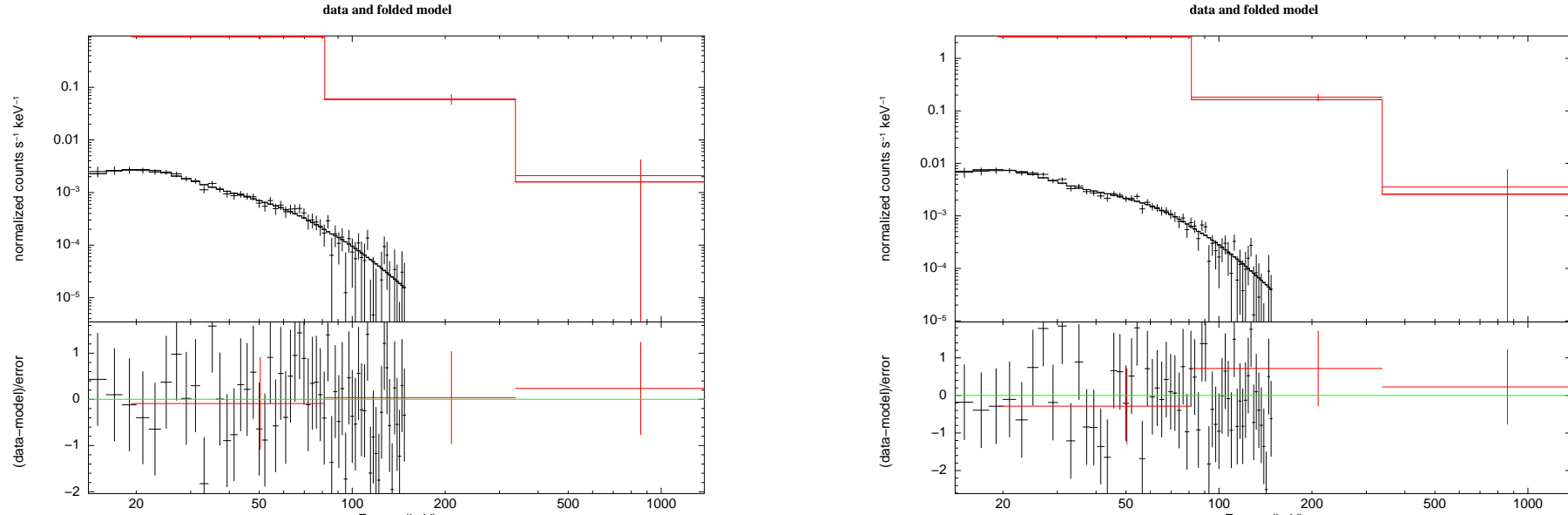Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	$\chi^2/$dof (Prob.)
Time-integrated	$-57.582\ldots27.794$	**CPL**	$\mathbf{-1.41^{+0.19}_{-0.18}}$	$\ldots$	$\mathbf{47^{+4}_{-5}}$	$\mathbf{0.59^{+0.04}_{-0.03}}$	$\mathbf{62.2/59(0.36)}$
Peak	$-1.646\ldots7.186$	**GRBM**	$\mathbf{-1.48^{+0.22}_{-0.17}}$	$\mathbf{-2.39^{+0.41}_{-7.61}}$	$\mathbf{113^{+81}_{-32}}$	$\mathbf{2.33^{+0.53}_{-0.45}}$	$\mathbf{66.3/58(0.21)}$
		CPL	$-1.54^{+0.18}_{-0.14}$	$\ldots$	132^{+108}_{-37}	$2.12^{+0.52}_{-0.33}$	$66.5/59(0.24)$

GRB 050318 $T_0 = 56677.17086$ s S1 (z=1.4436)
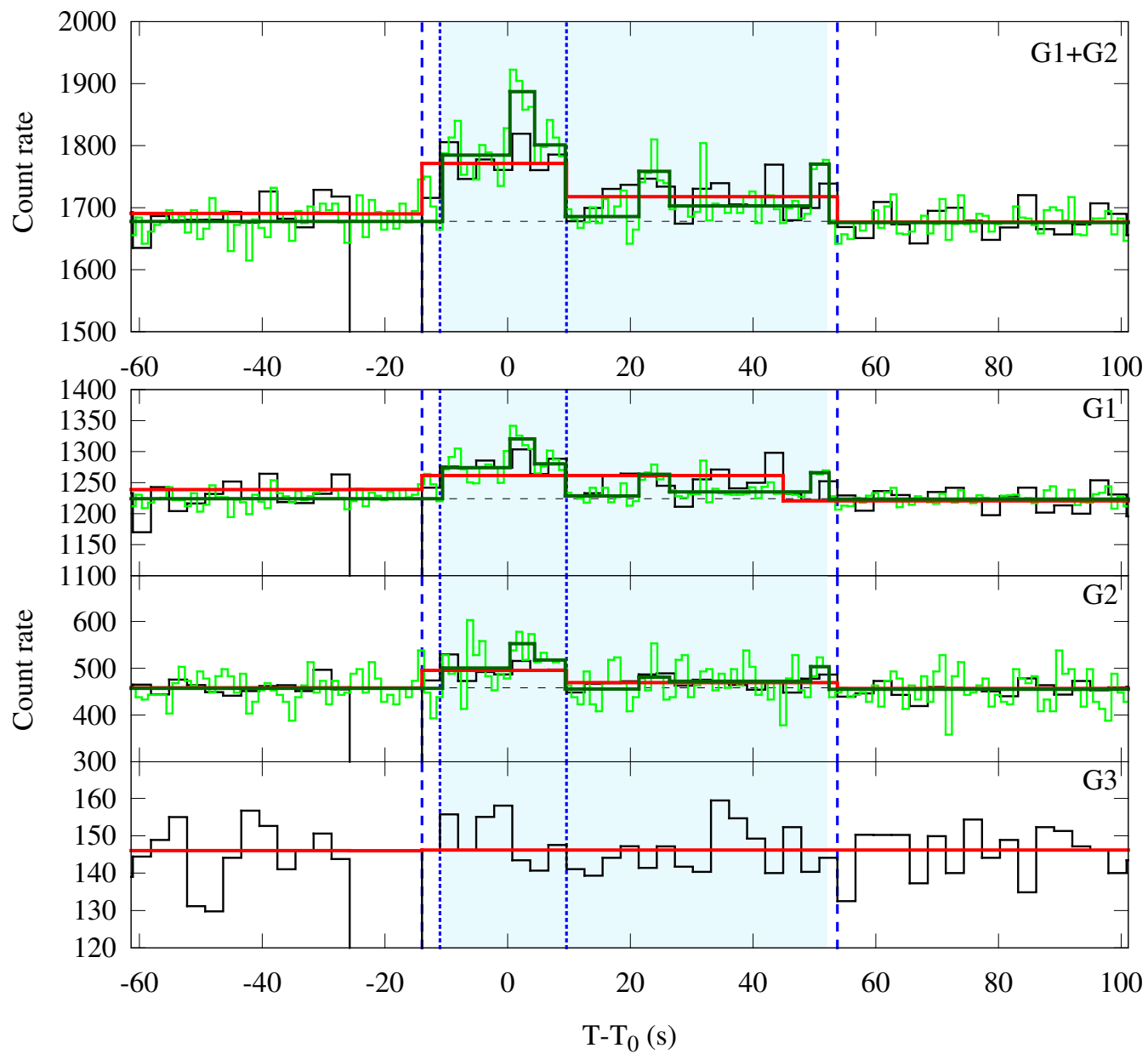
GRB 050318

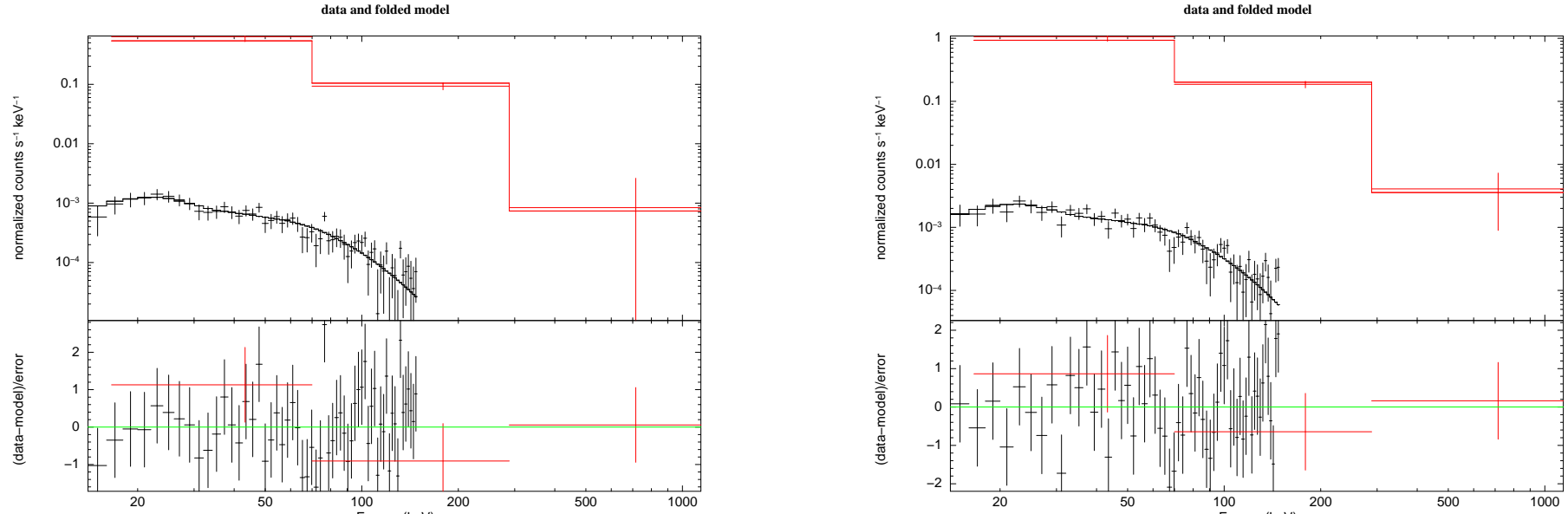Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F $(10^{-7}\ {\rm erg\ cm^{-2}\ s^{-1}})$	$\chi^2/{\rm dof}$ (Prob.)
Time-integrated	$-0.243\ldots35.085$	**GRBM**	$\mathbf{0.11^{+1.47}_{-1.03}}$	$\mathbf{-2.24^{+0.10}_{-0.18}}$	$\mathbf{34^{+8}_{-5}}$	$\mathbf{0.71^{+0.07}_{-0.07}}$	$\mathbf{43.1/58(0.93)}$
		CPL	$-1.21^{+0.23}_{-0.21}$	$\ldots$	48^{+4}_{-4}	$0.47^{+0.04}_{-0.03}$	$45.4/59(0.9)$
Peak	$23.309\ldots32.141$	**GRBM**	$\mathbf{-1.17^{+0.24}_{-0.19}}$	$\mathbf{-2.60^{+0.29}_{-0.99}}$	$\mathbf{55^{+5}_{-5}}$	$\mathbf{1.75^{+0.27}_{-0.28}}$	$\mathbf{55.1/58(0.58)}$
		CPL	$-1.23^{+0.17}_{-0.16}$	$\ldots$	57^{+5}_{-4}	$1.45^{+0.10}_{-0.08}$	$56.5/59(0.57)$

GRB 050505 T_0 = 84141.09876 s S2 (z=4.27)

GRB 050505

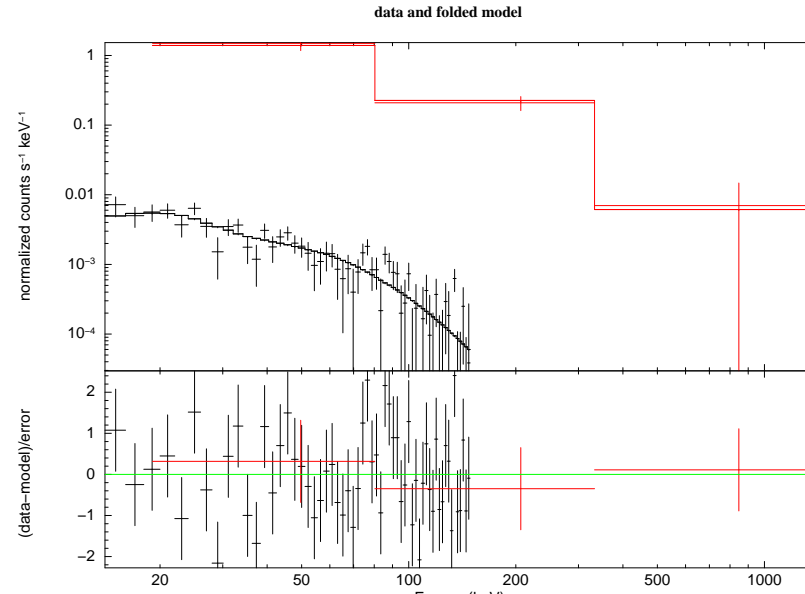Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$-13.966\ldots53.746$	**CPL**	$\mathbf{-0.88^{+0.26}_{-0.23}}$	$\ldots$	$\mathbf{99^{+20}_{-13}}$	$\mathbf{0.72^{+0.09}_{-0.07}}$	$\mathbf{49.3/59(0.81)}$
Peak	$-11.022\ldots9.586$	**GRBM**	$\mathbf{-0.70^{+0.47}_{-0.25}}$	$\mathbf{-2.86^{+0.69}_{-7.14}}$	$\mathbf{104^{+23}_{-25}}$	$\mathbf{1.52^{+0.40}_{-0.28}}$	$\mathbf{58.5/58(0.46)}$
		CPL	$-0.76^{+0.27}_{-0.24}$	$\ldots$	109^{+25}_{-15}	$1.34^{+0.20}_{-0.14}$	$59.0/59(0.47)$

GRB 050724 T_0 = 45249.36184 s S1 (z=0.258)
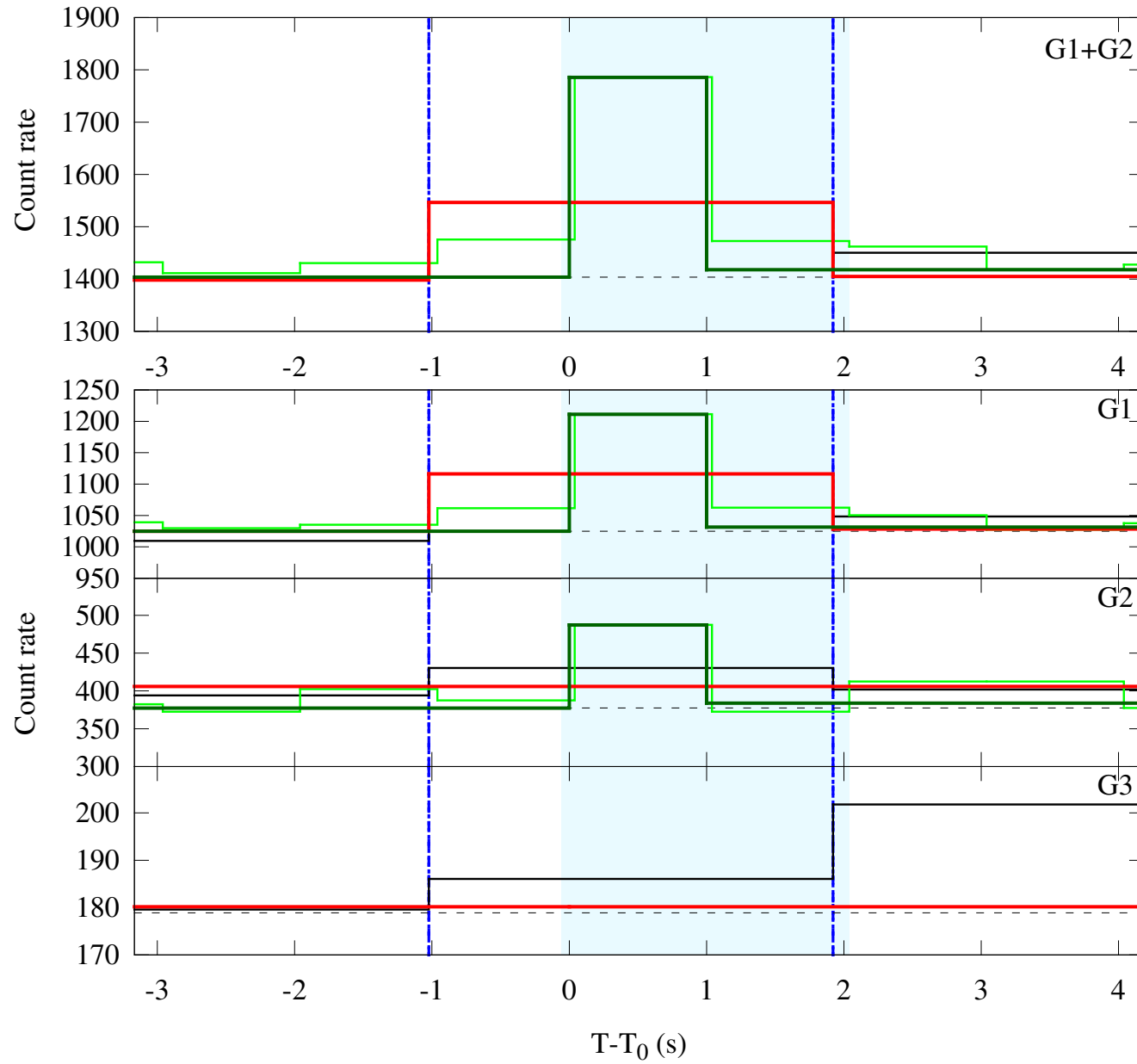
GRB 050724

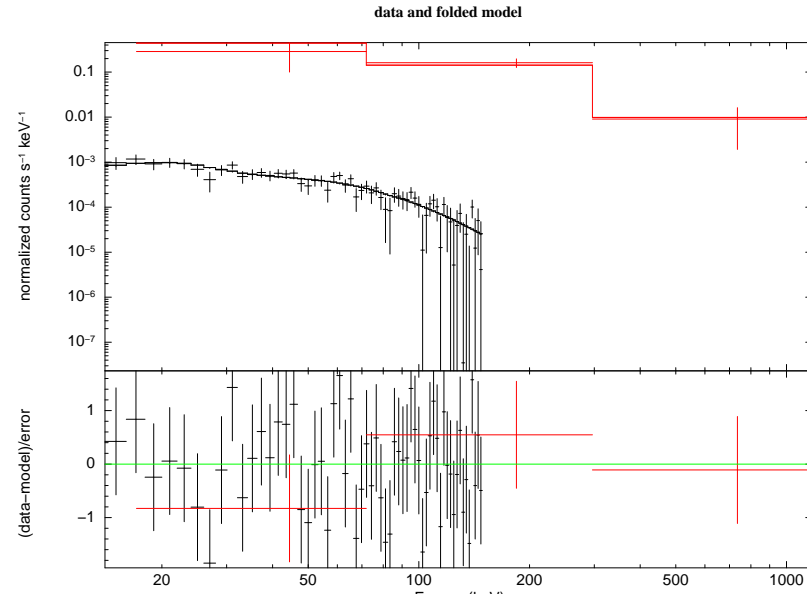Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$-1.023\ldots1.921$	**GRBM**	$\mathbf{-1.47^{+0.35}_{-0.24}}$	$\mathbf{-2.42^{+0.51}_{-7.58}}$	$\mathbf{111^{+93}_{-38}}$	$\mathbf{3.28^{+0.83}_{-0.86}}$	$\mathbf{64.9/58(0.25)}$
		CPL	$-1.54^{+0.32}_{-0.22}$	$\ldots$	132^{+272}_{-49}	$3.01^{+1.19}_{-0.66}$	$65.0/59(0.28)$

GRB 050730 T_0 = 71903.19902 s S2 (z=3.9693)
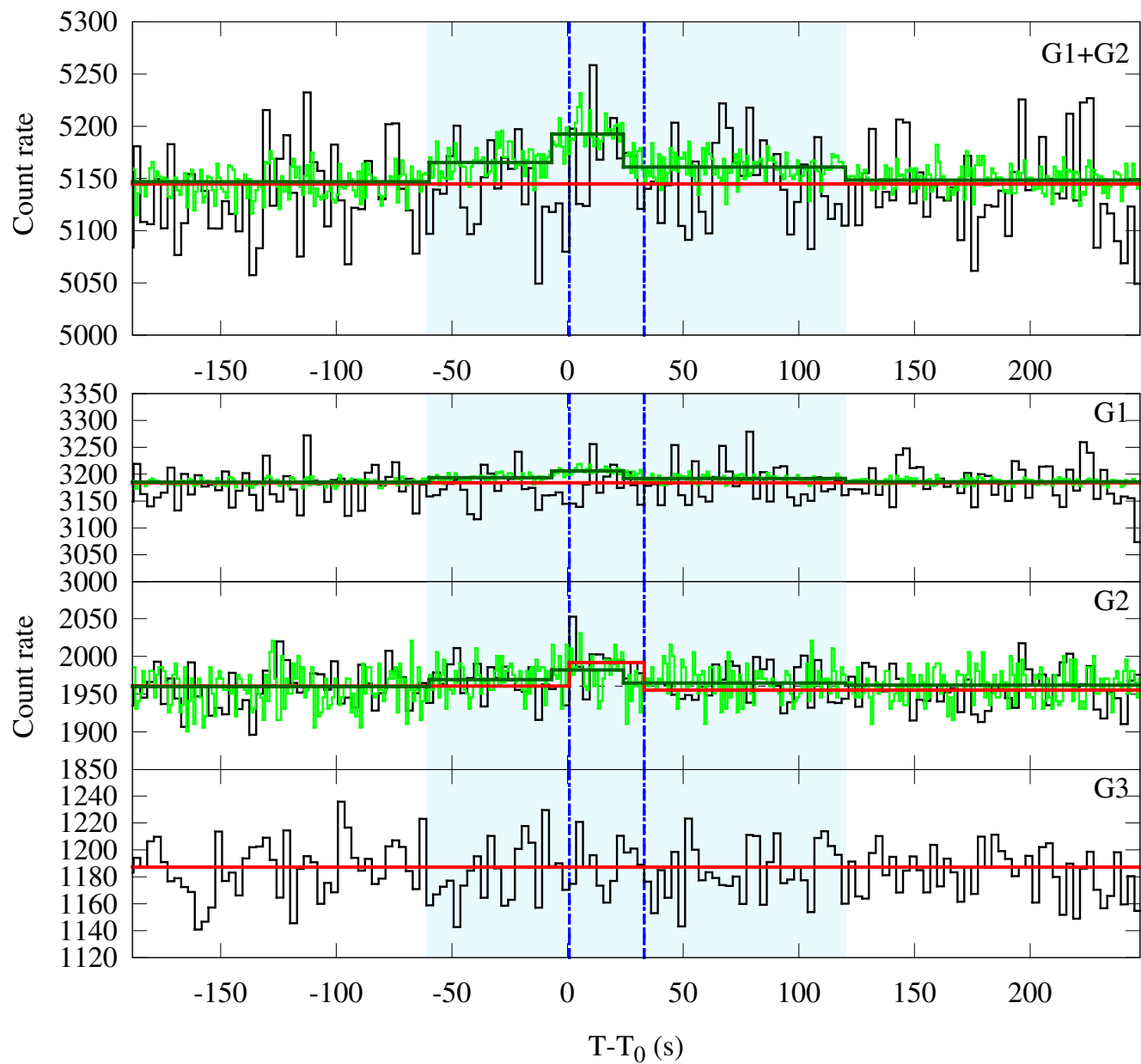
GRB 050730

data and folded model

Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$0.773\ldots33.157$	**CPL**	$\mathbf{-1.26^{+0.18}_{-0.13}}$	$\ldots$	$\mathbf{505^{+2803}_{-293}}$	$\mathbf{1.97^{+0.93}_{-0.72}}$	$\mathbf{44.8/59(0.92)}$

GRB 050802 $T_0 = 36482.26662$ s S2 (z=1.7102)
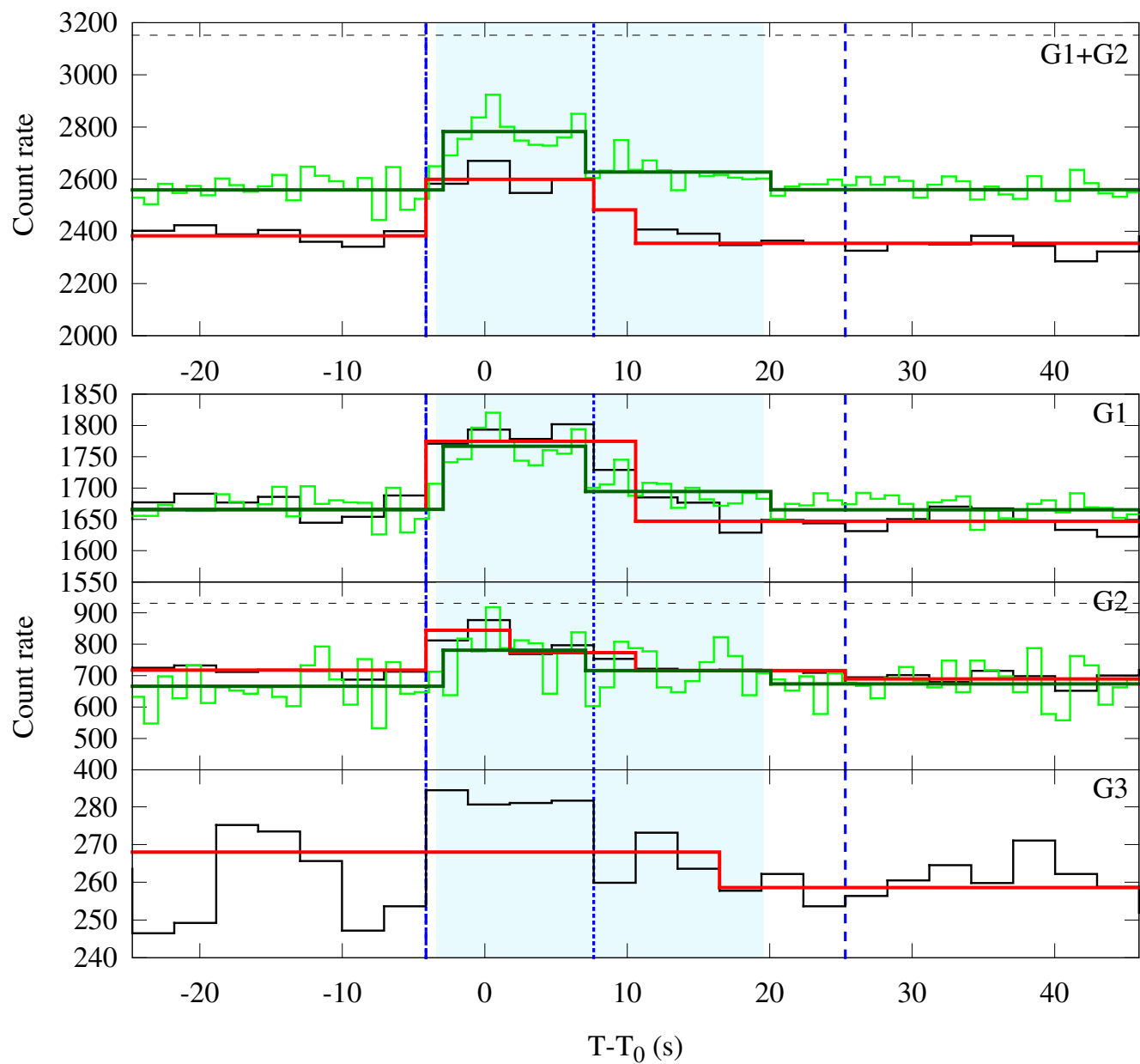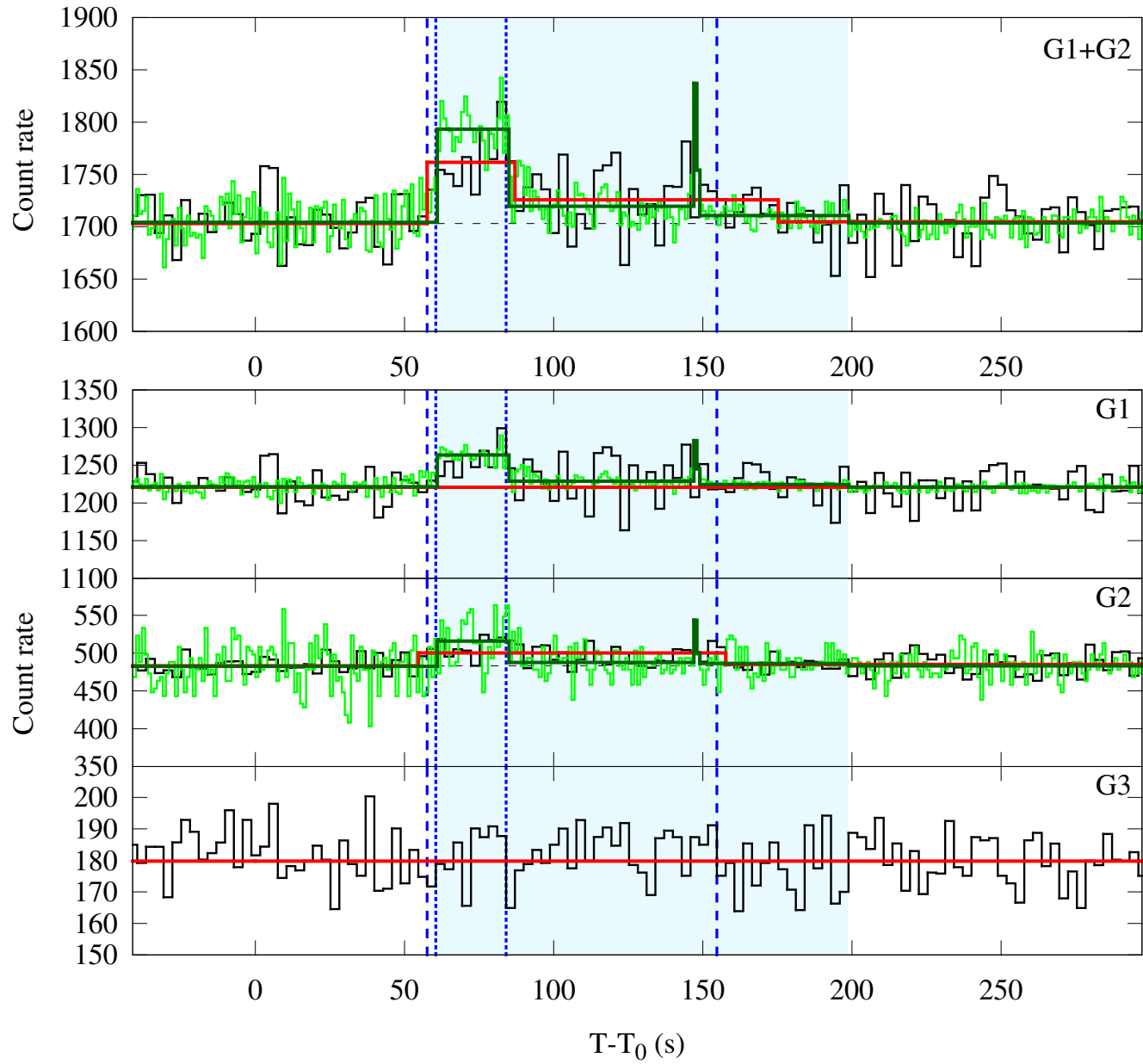
GRB 050802
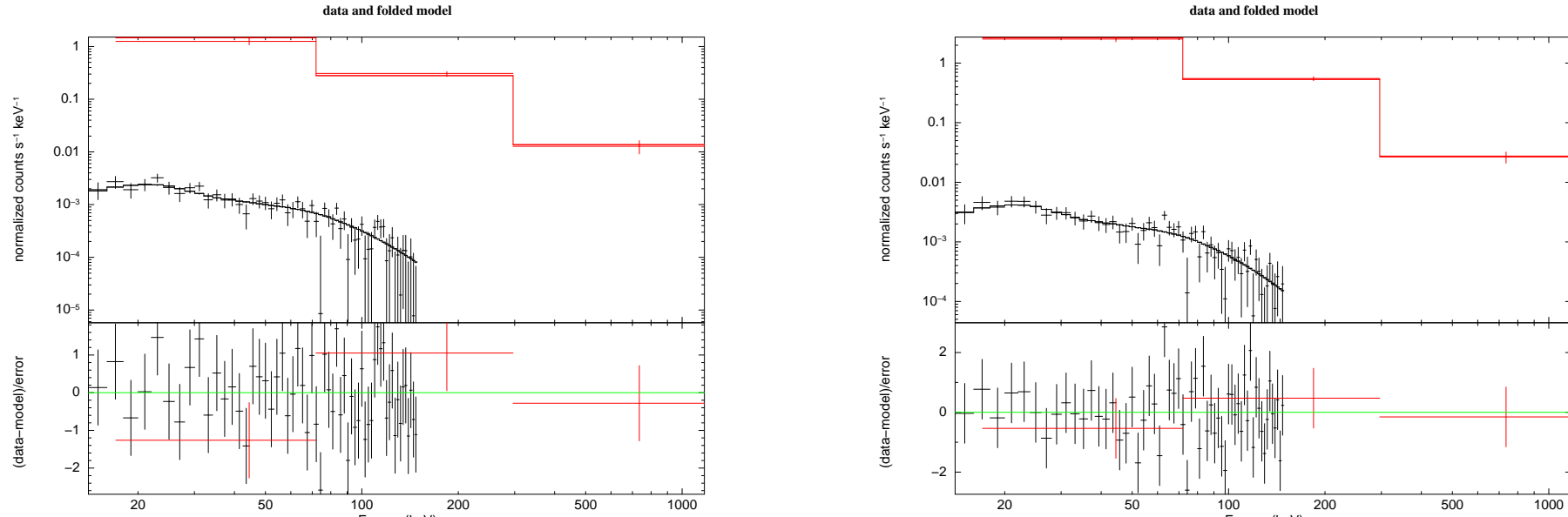
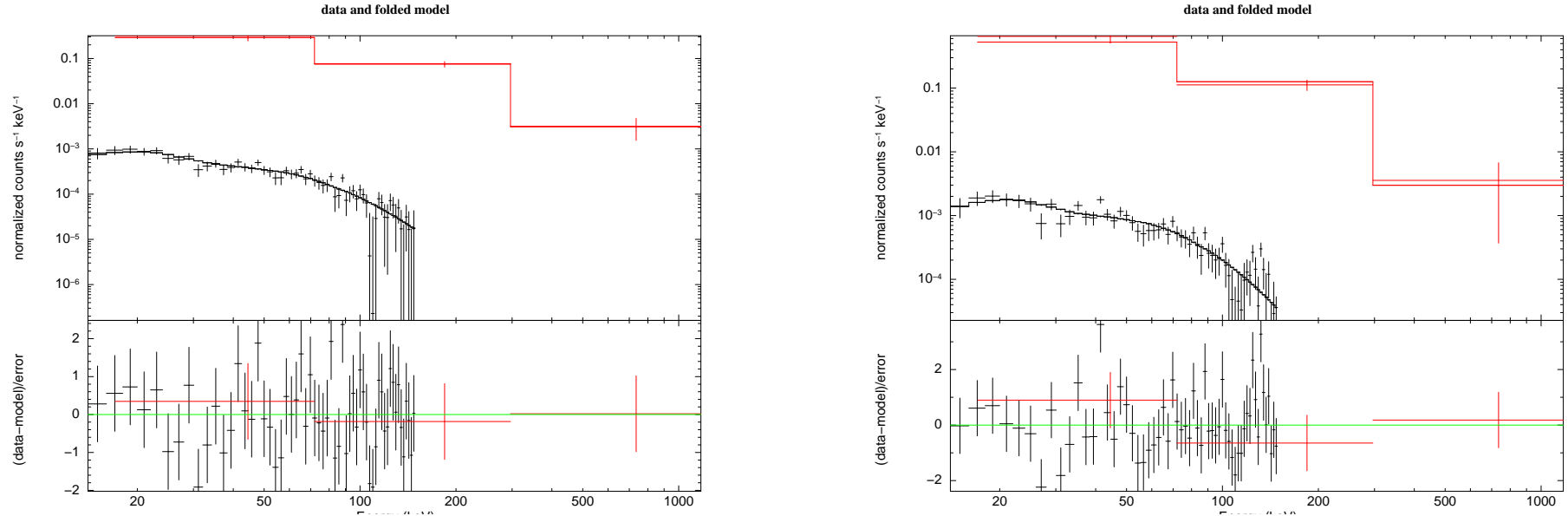Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$-4.13\ldots25.31$	**CPL**	$\mathbf{-1.35^{+0.12}_{-0.11}}$	$\ldots$	$\mathbf{372^{+244}_{-112}}$	$\mathbf{2.51^{+0.40}_{-0.36}}$	$\mathbf{51.1/59(0.76)}$
Peak	$-4.13\ldots7.646$	**CPL**	$\mathbf{-1.32^{+0.10}_{-0.09}}$	$\ldots$	$\mathbf{393^{+193}_{-102}}$	$\mathbf{4.86^{+0.64}_{-0.59}}$	$\mathbf{56.0/59(0.59)}$

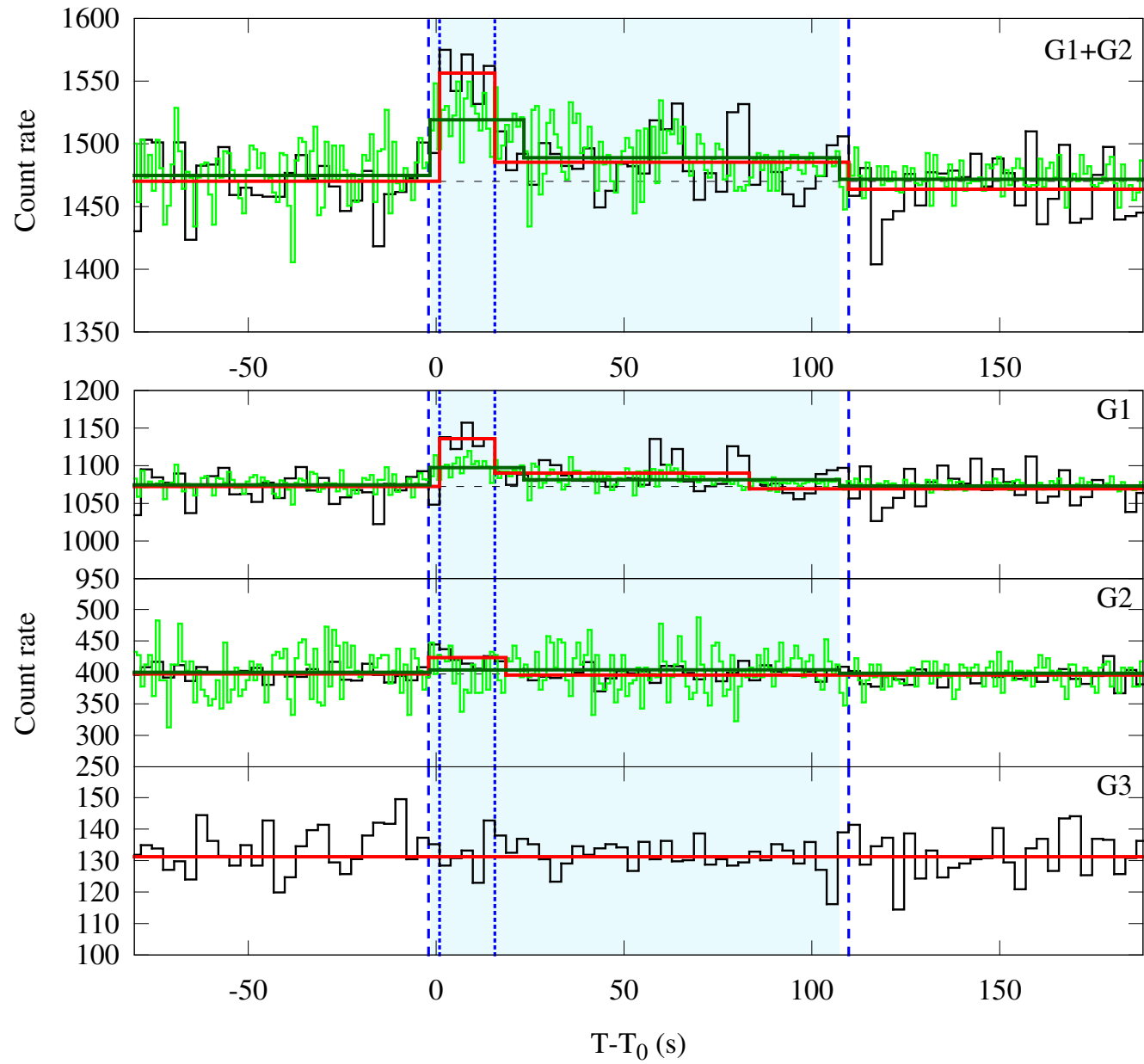GRB 050803 T_0 = 69240.34428 s S2 (z=0.422)

GRB 050803

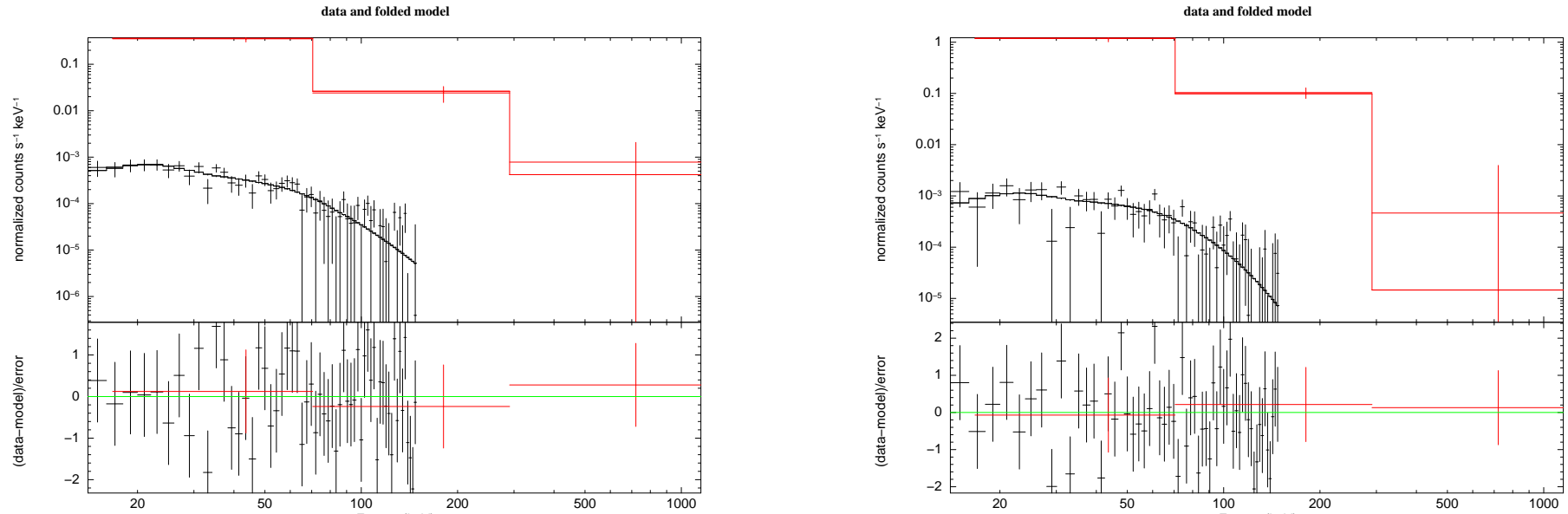Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$57.549\ldots154.701$	**GRBM**	$\mathbf{-1.23^{+0.23}_{-0.13}}$	$\mathbf{-2.44^{+0.58}_{-7.56}}$	$\mathbf{209^{+66}_{-79}}$	$\mathbf{0.84^{+0.20}_{-0.15}}$	$\mathbf{51.5/58(0.71)}$
		CPL	$-1.26^{+0.15}_{-0.12}$	$\ldots$	237^{+139}_{-73}	$0.80^{+0.19}_{-0.15}$	$51.6/59(0.74)$
Peak	$60.493\ldots84.045$	**GRBM**	$\mathbf{-0.80^{+0.34}_{-0.25}}$	$\mathbf{-2.65^{+0.64}_{-7.35}}$	$\mathbf{117^{+41}_{-27}}$	$\mathbf{1.16^{+0.39}_{-0.25}}$	$\mathbf{76.3/58(0.054)}$
		CPL	$-0.85^{+0.28}_{-0.23}$	$\ldots$	124^{+46}_{-24}	$0.99^{+0.23}_{-0.14}$	$76.7/59(0.061)$

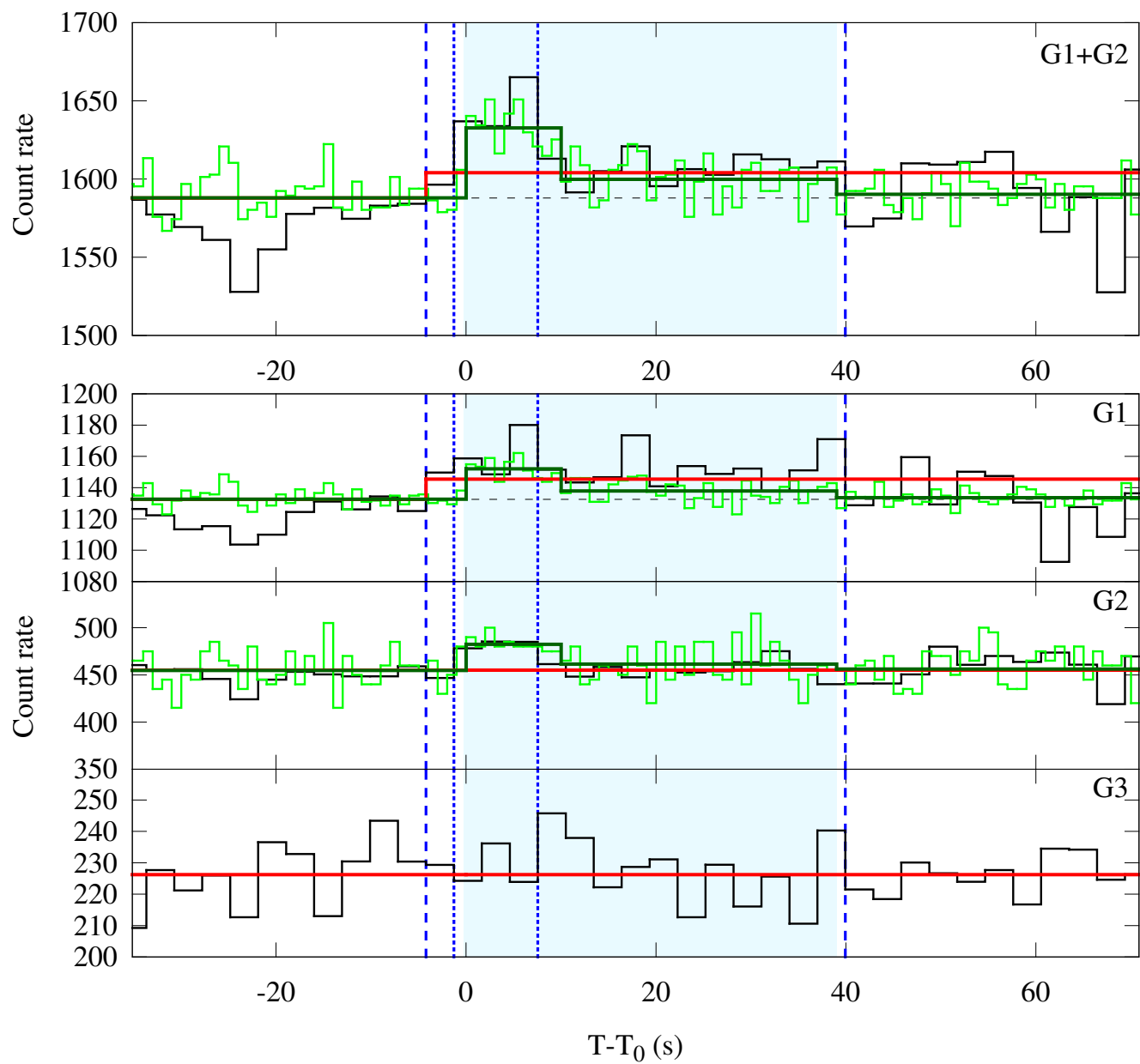GRB 050814 T_0 = 41936.966 s S2 (z=5.3)

GRB 050814

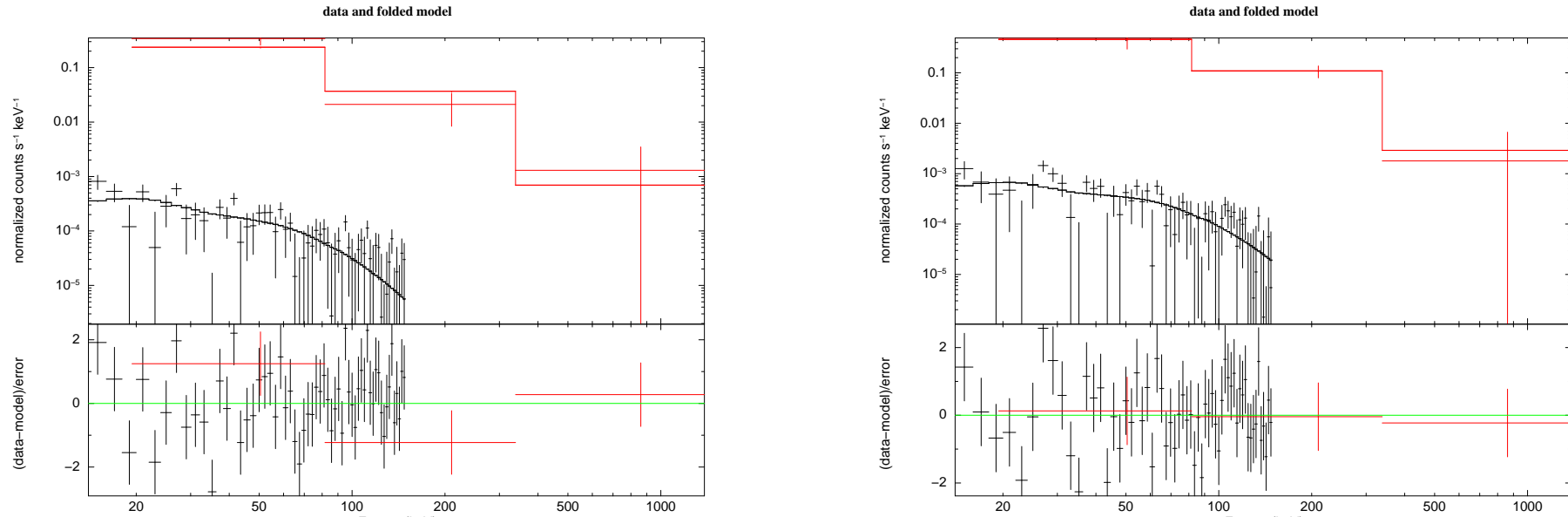Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$-2.033\ldots109.839$	**GRBM**	$\mathbf{-0.33^{+0.73}_{-0.65}}$	$\mathbf{-2.70^{+0.45}_{-7.30}}$	$\mathbf{54^{+13}_{-8}}$	$\mathbf{0.19^{+0.06}_{-0.05}}$	$\mathbf{52.3/58(0.69)}$
		CPL	$-0.53^{+0.52}_{-0.46}$	$\ldots$	58^{+9}_{-6}	$0.15^{+0.02}_{-0.01}$	$52.4/59(0.71)$
Peak	$0.911\ldots15.631$	**CPL**	$\mathbf{0.25^{+0.84}_{-0.70}}$	$\ldots$	$\mathbf{65^{+9}_{-6}}$	$\mathbf{0.56^{+0.07}_{-0.06}}$	$\mathbf{57.4/59(0.53)}$

GRB 050826 $T_0 = 22690.2894$ s S1 (z=0.296)

GRB 050826

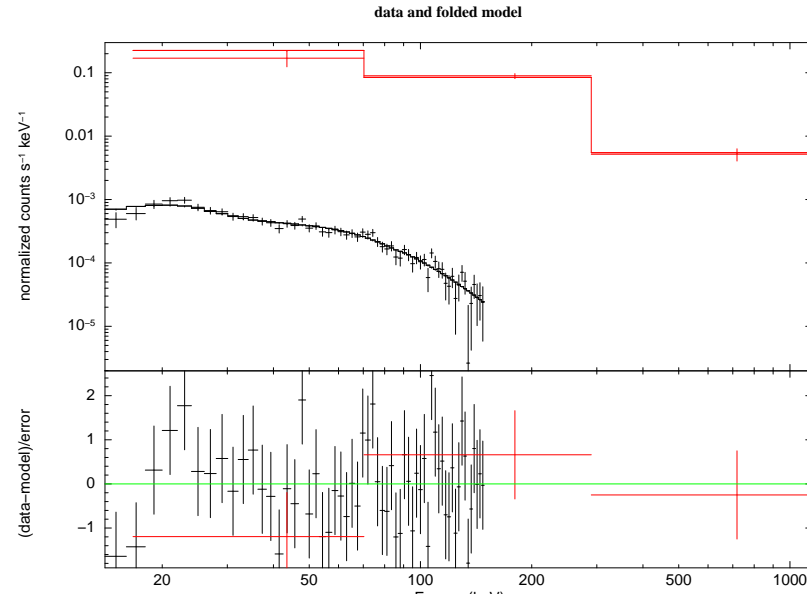Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$-4.219\ldots39.941$	**GRBM**	$\mathbf{-1.15^{+0.53}_{-0.36}}$	$\mathbf{-2.79^{+1.08}_{-7.21}}$	$\mathbf{143^{+236}_{-64}}$	$\mathbf{0.36^{+0.26}_{-0.12}}$	$\mathbf{70.0/58(0.13)}$
		CPL	$-1.16^{+0.54}_{-0.39}$	$\ldots$	146^{+539}_{-56}	$0.33^{+0.27}_{-0.09}$	$70.0/59(0.15)$
Peak	$-1.275\ldots7.557$	**CPL**	$\mathbf{-0.91^{+0.43}_{-0.30}}$	$\ldots$	$\mathbf{247^{+306}_{-103}}$	$\mathbf{1.05^{+0.58}_{-0.35}}$	$\mathbf{62.1/59(0.37)}$

GRB 050904 T_0 = 6704.29 s S2 (z=6.295)
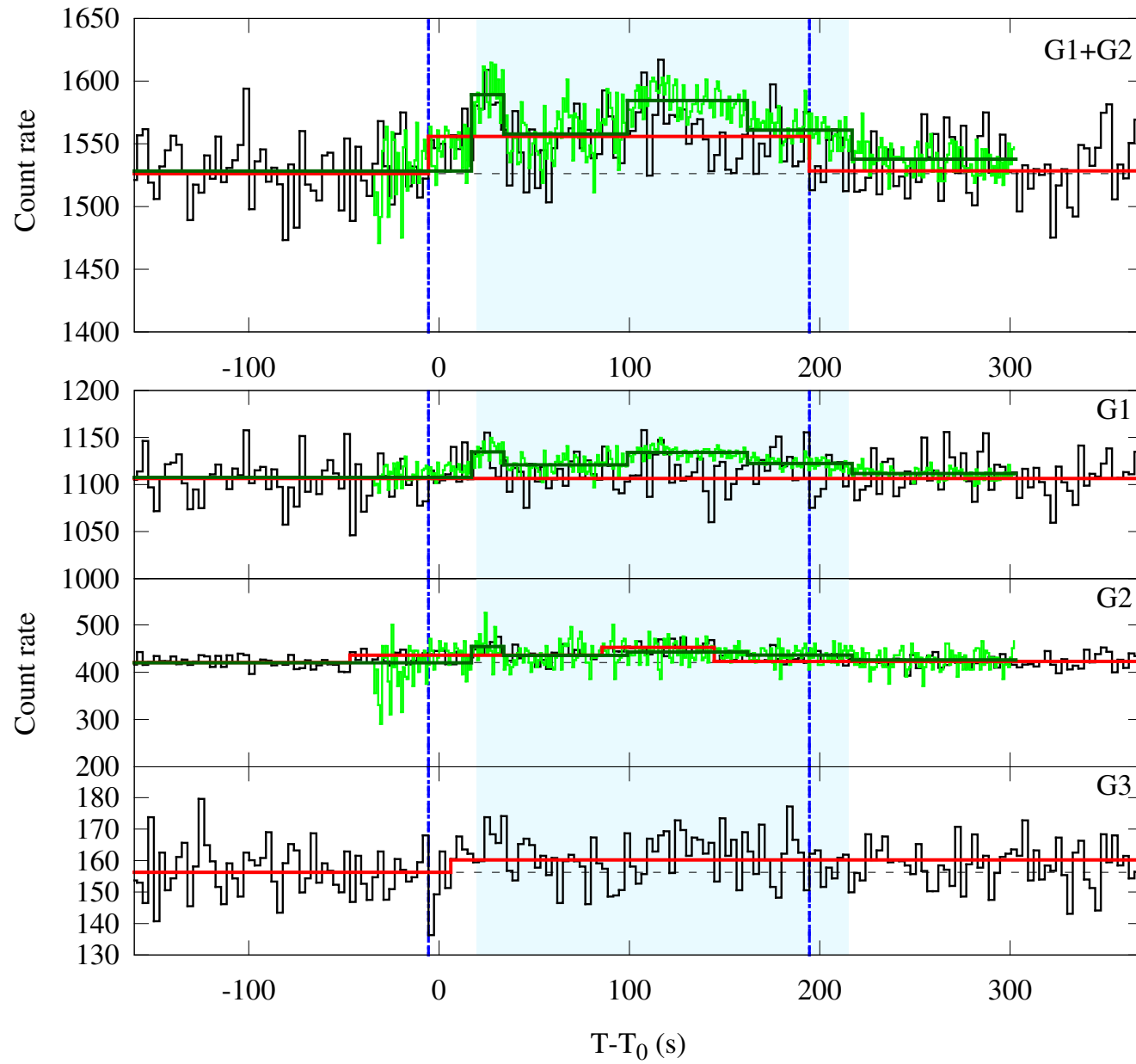
GRB 050904

data and folded model

Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-5.614\ldots194.578$	**CPL**	$\mathbf{-1.09^{+0.07}_{-0.06}}$	$\ldots$	$\mathbf{393^{+111}_{-79}}$	$\mathbf{1.04^{+0.14}_{-0.13}}$	$\mathbf{53.3/59(0.68)}$

GRB 051006 $T_0 = 73833.25556$ s S1 (z=1.059)
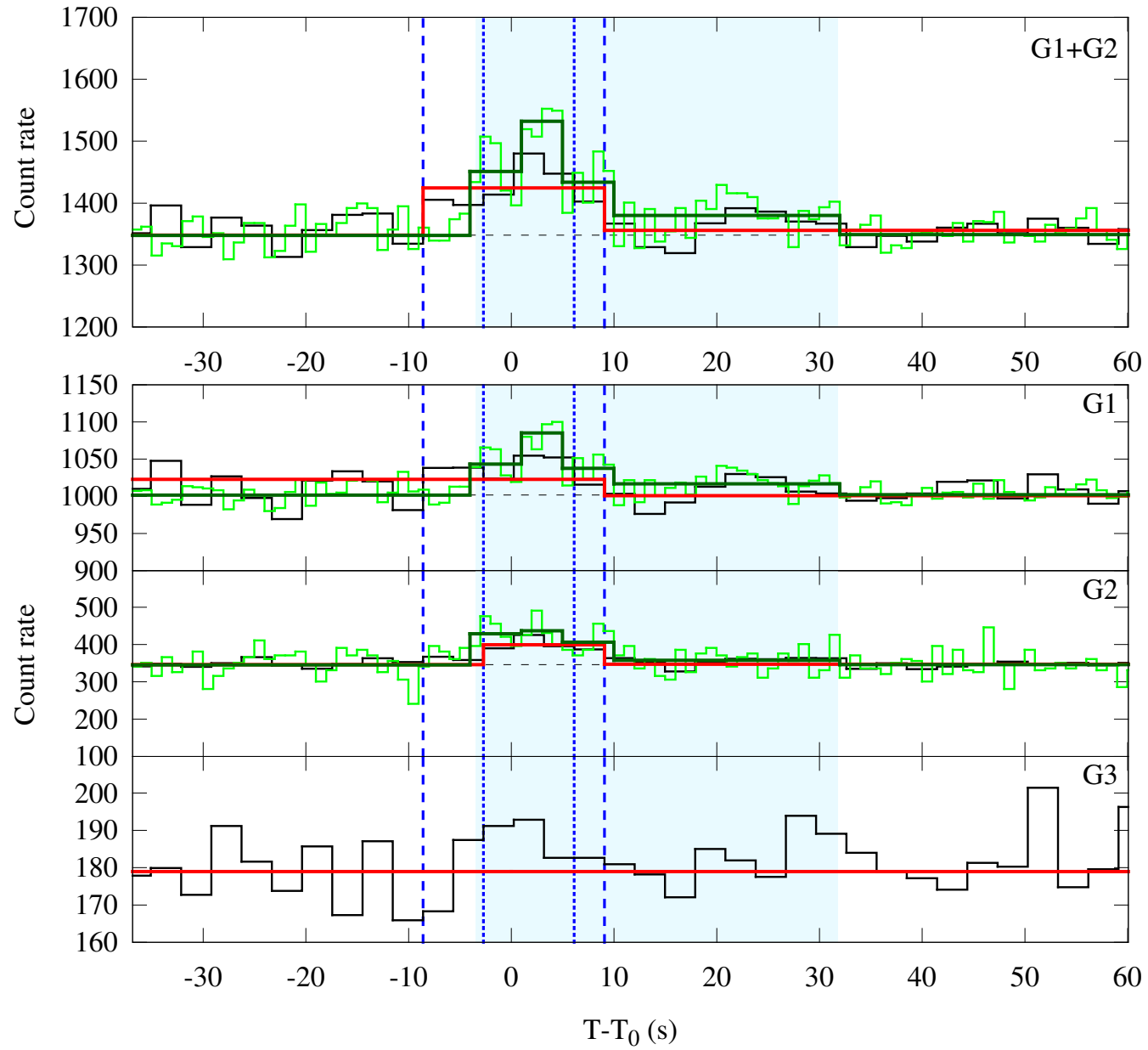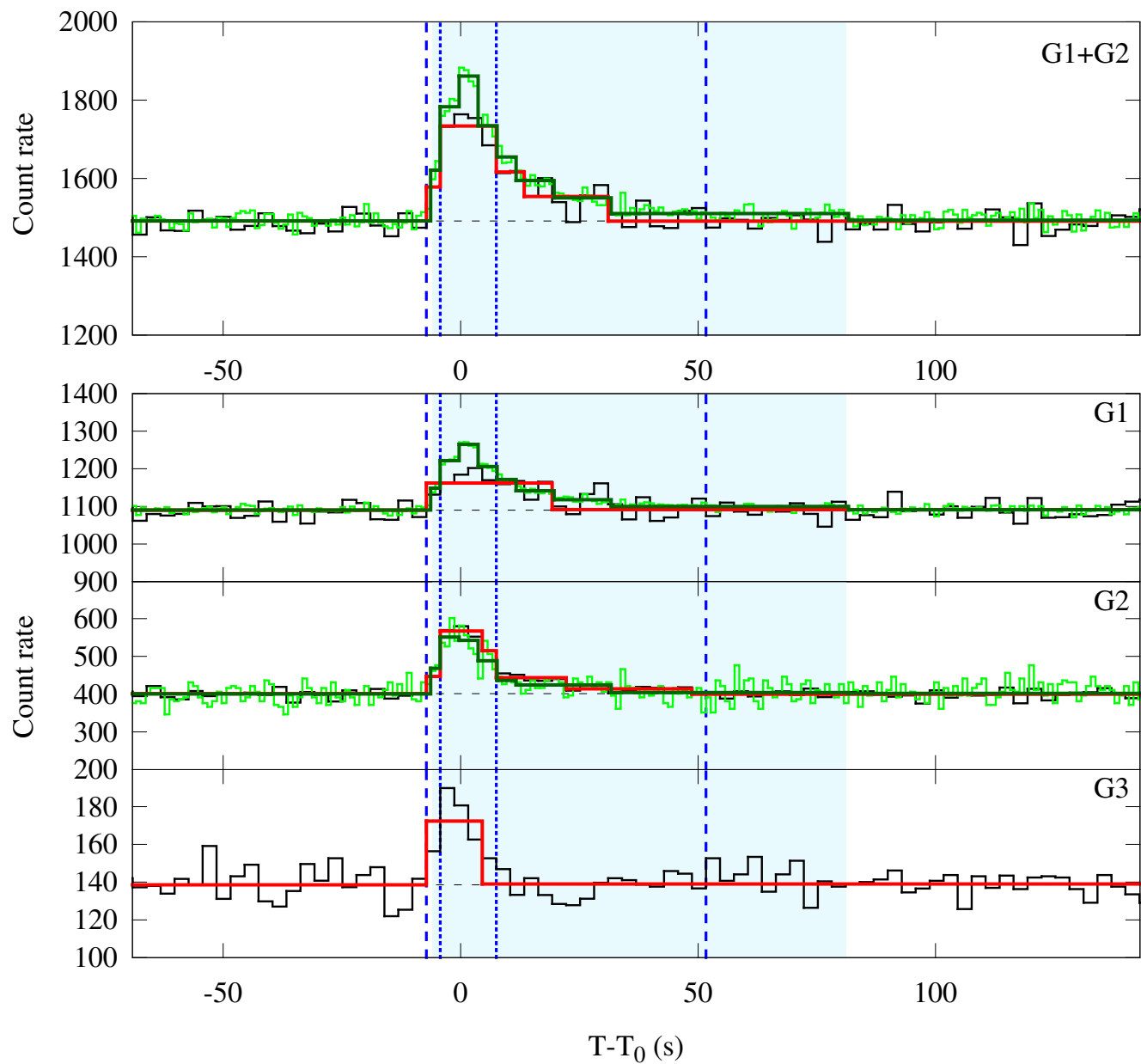
GRB 051006
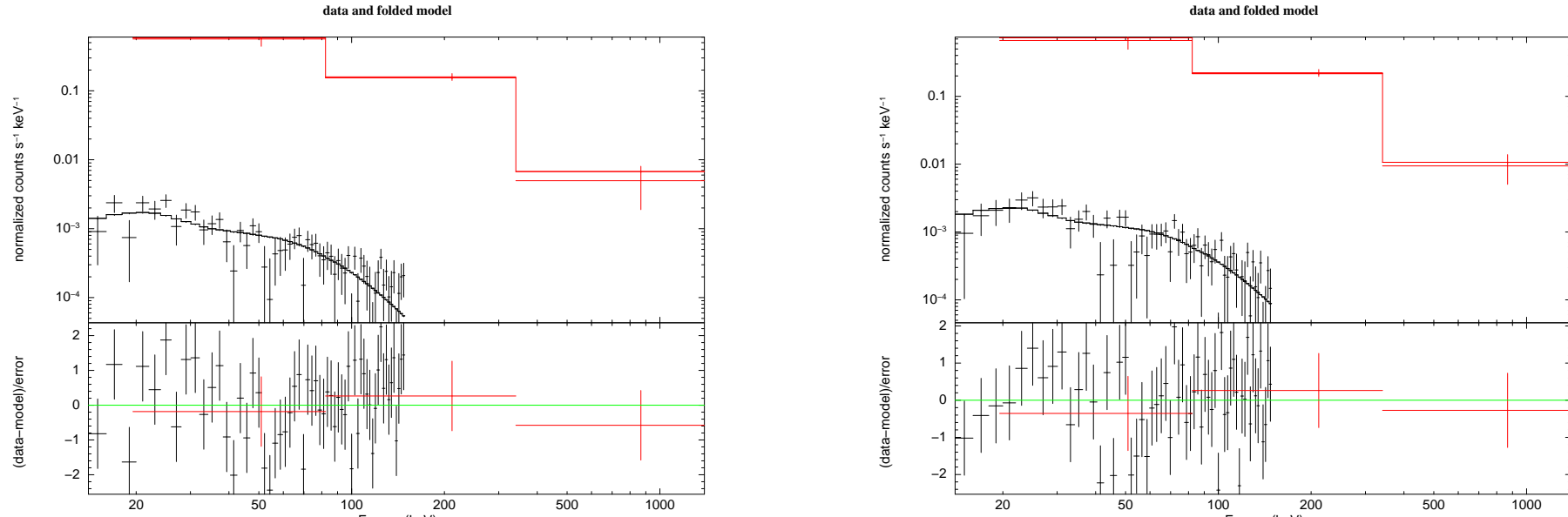
Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.
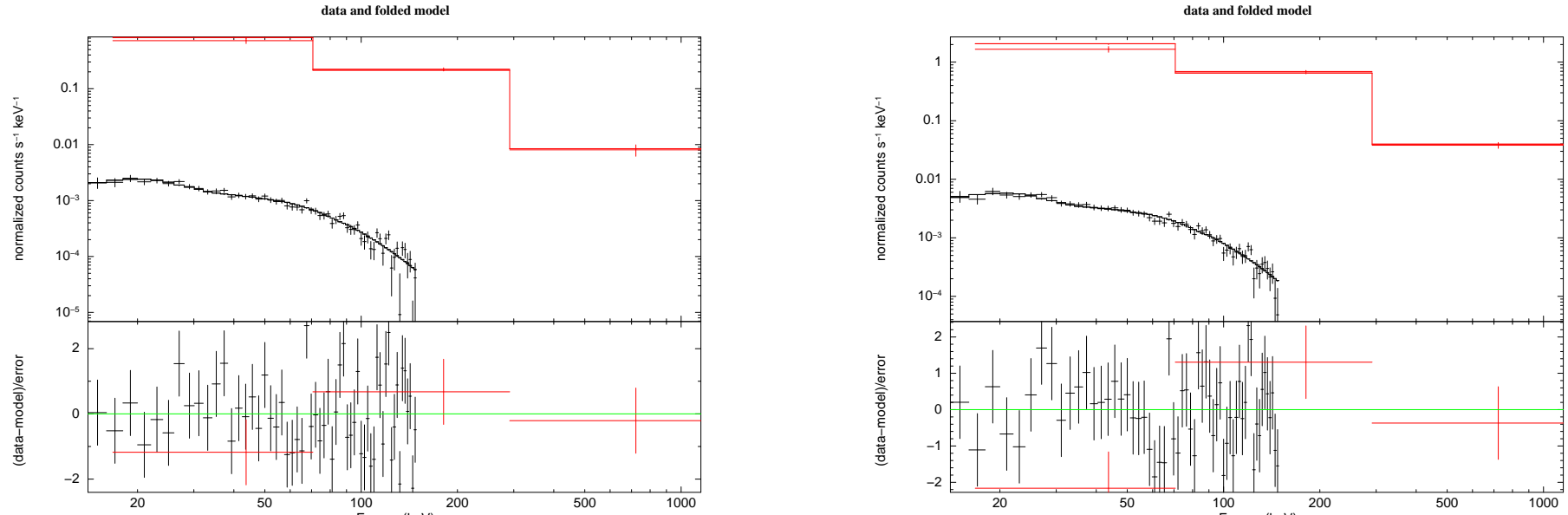
Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_p (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-8.599\ldots9.065$	**CPL**	$\mathbf{-1.13^{+0.15}_{-0.14}}$	...	$\mathbf{357^{+189}_{-103}}$	$\mathbf{2.15^{+0.43}_{-0.38}}$	$\mathbf{67.7/59(0.2)}$
Peak	$-2.711\ldots6.121$	**CPL**	$\mathbf{-1.03^{+0.16}_{-0.14}}$	...	$\mathbf{398^{+208}_{-118}}$	$\mathbf{3.12^{+0.66}_{-0.60}}$	$\mathbf{66.1/59(0.24)}$

GRB 051111 T_0 = 21581.47872 s S2 (z=1.54948)
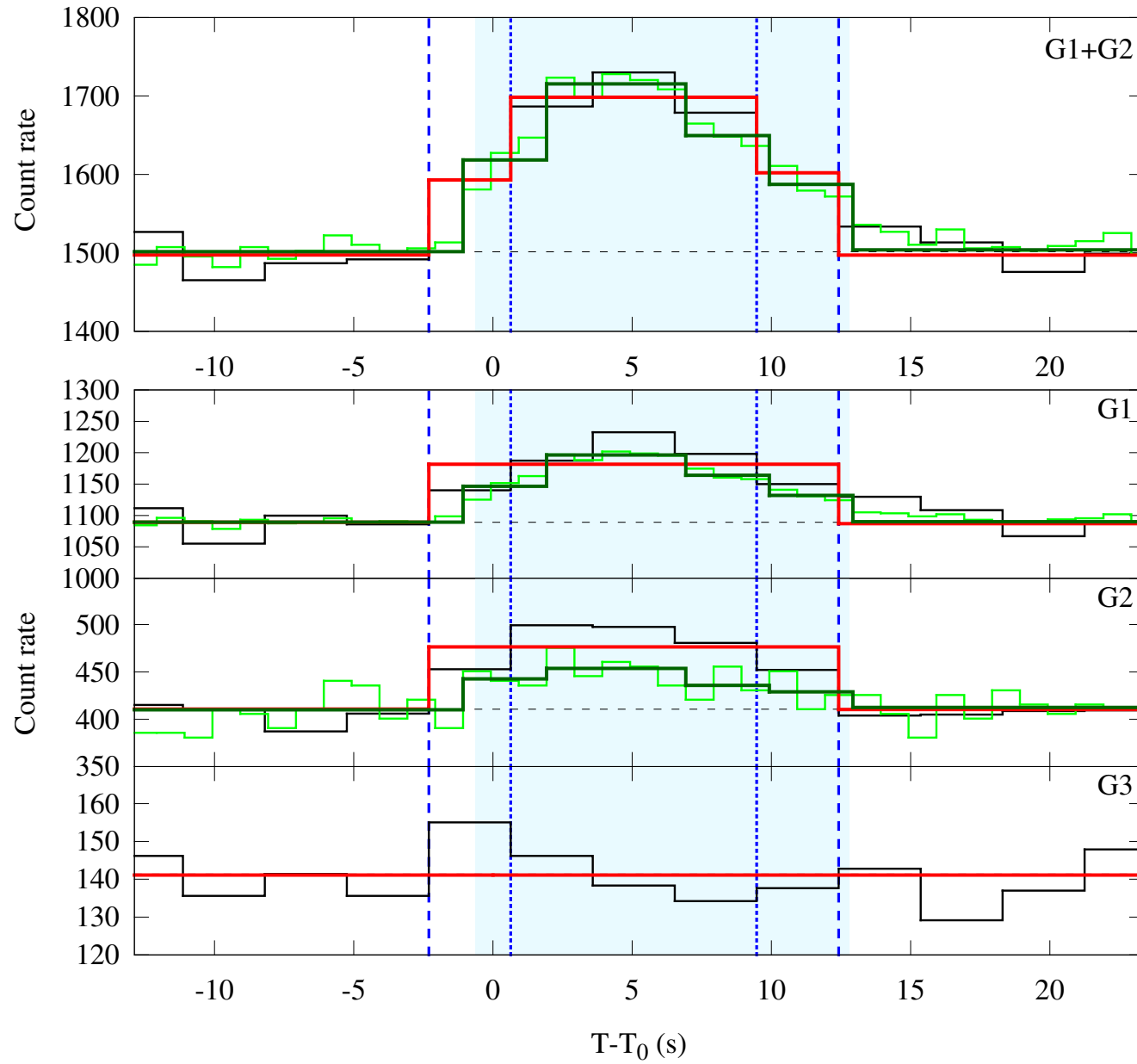
GRB 051111

Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.
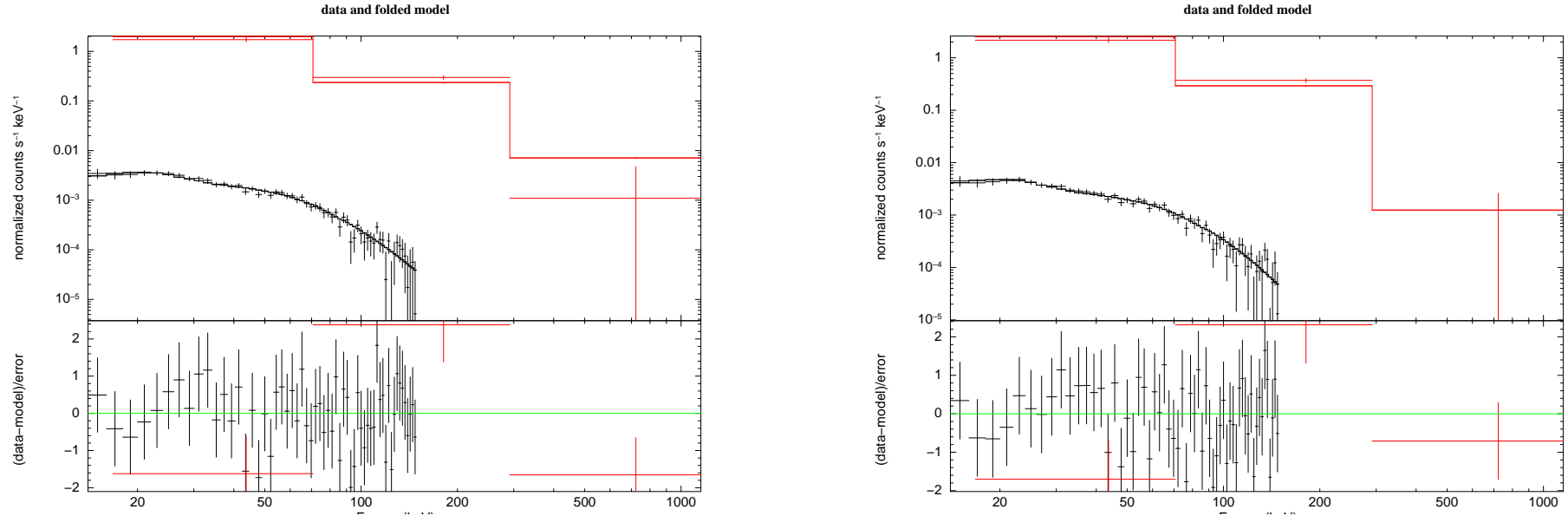
Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_p (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-7.22\ldots51.66$	**CPL**	$\mathbf{-1.12^{+0.07}_{-0.06}}$	$\ldots$	$\mathbf{257^{+49}_{-38}}$	$\mathbf{1.81^{+0.18}_{-0.17}}$	$\mathbf{75.5/59(0.073)}$
Peak	$-4.276\ldots7.5$	**CPL**	$\mathbf{-1.06^{+0.05}_{-0.05}}$	$\ldots$	$\mathbf{402^{+61}_{-49}}$	$\mathbf{6.75^{+0.51}_{-0.48}}$	$\mathbf{64.7/59(0.28)}$

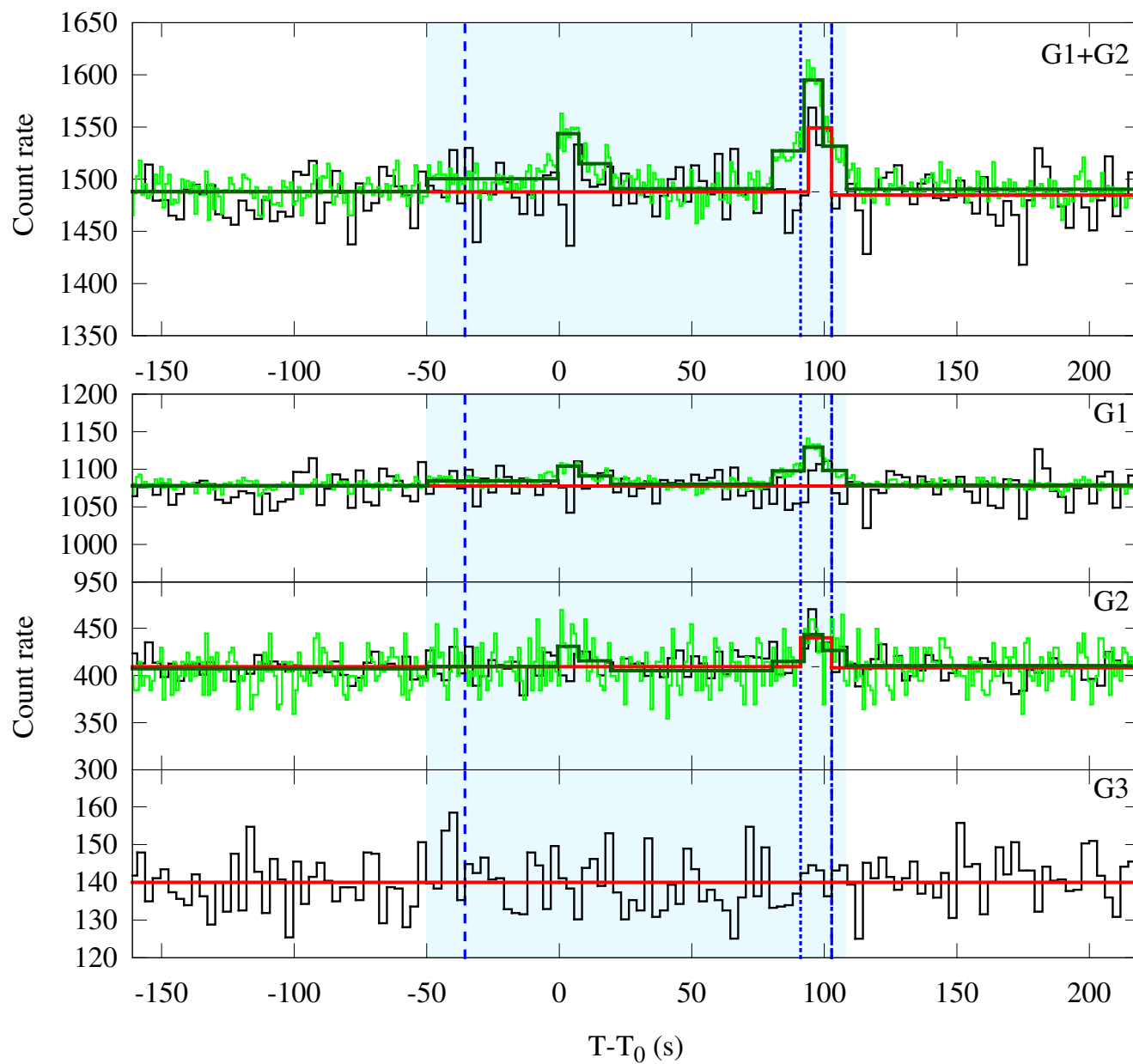GRB 060111A T_0 = 15786.12342 s S2 (z=2.32)

GRB 060111A

Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.
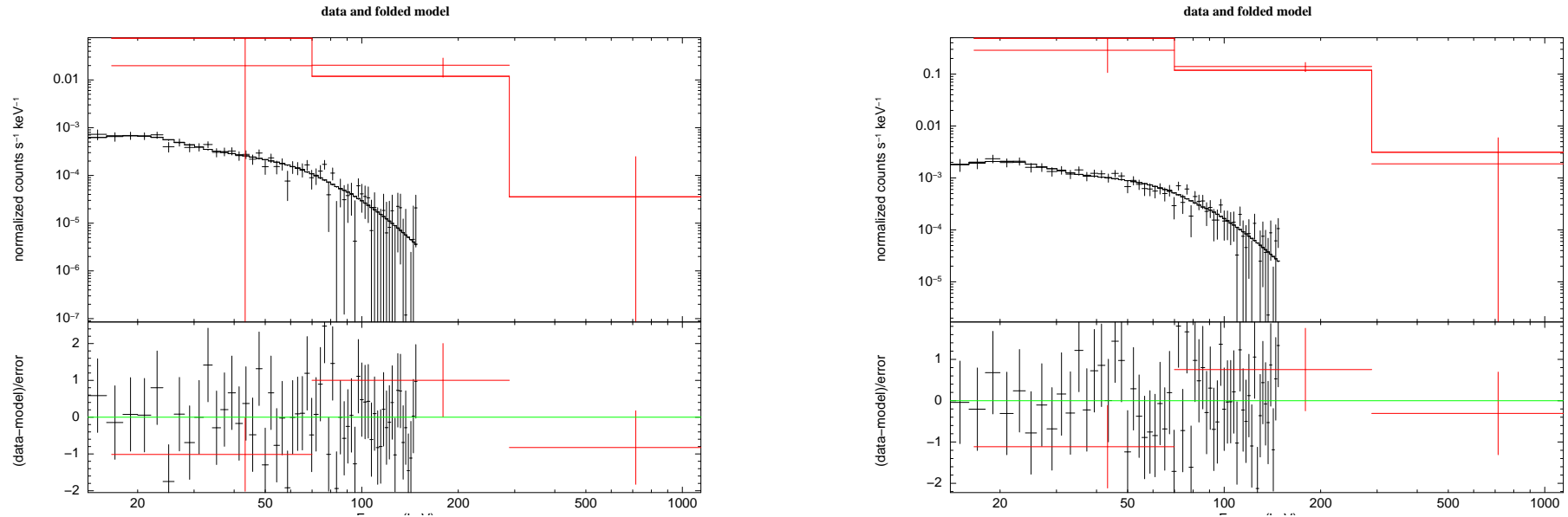
Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$-2.303\ldots12.417$	**GRBM**	$\mathbf{-0.63^{+0.29}_{-0.23}}$	$\mathbf{-2.24^{+0.18}_{-0.37}}$	$\mathbf{75^{+12}_{-10}}$	$\mathbf{1.74^{+0.25}_{-0.27}}$	$\mathbf{49.4/58(0.78)}$
		CPL	$-0.91^{+0.17}_{-0.16}$	$\ldots$	91^{+13}_{-9}	$1.25^{+0.12}_{-0.09}$	$51.4/59(0.75)$
Peak	$0.641\ldots9.473$	**CPL**	$\mathbf{-0.82^{+0.17}_{-0.16}}$	$\ldots$	$\mathbf{88^{+11}_{-8}}$	$\mathbf{1.54^{+0.13}_{-0.10}}$	$\mathbf{51.8/59(0.73)}$

GRB 060115 $T_0 = 47280.64304$ s S2 (z=3.5328)
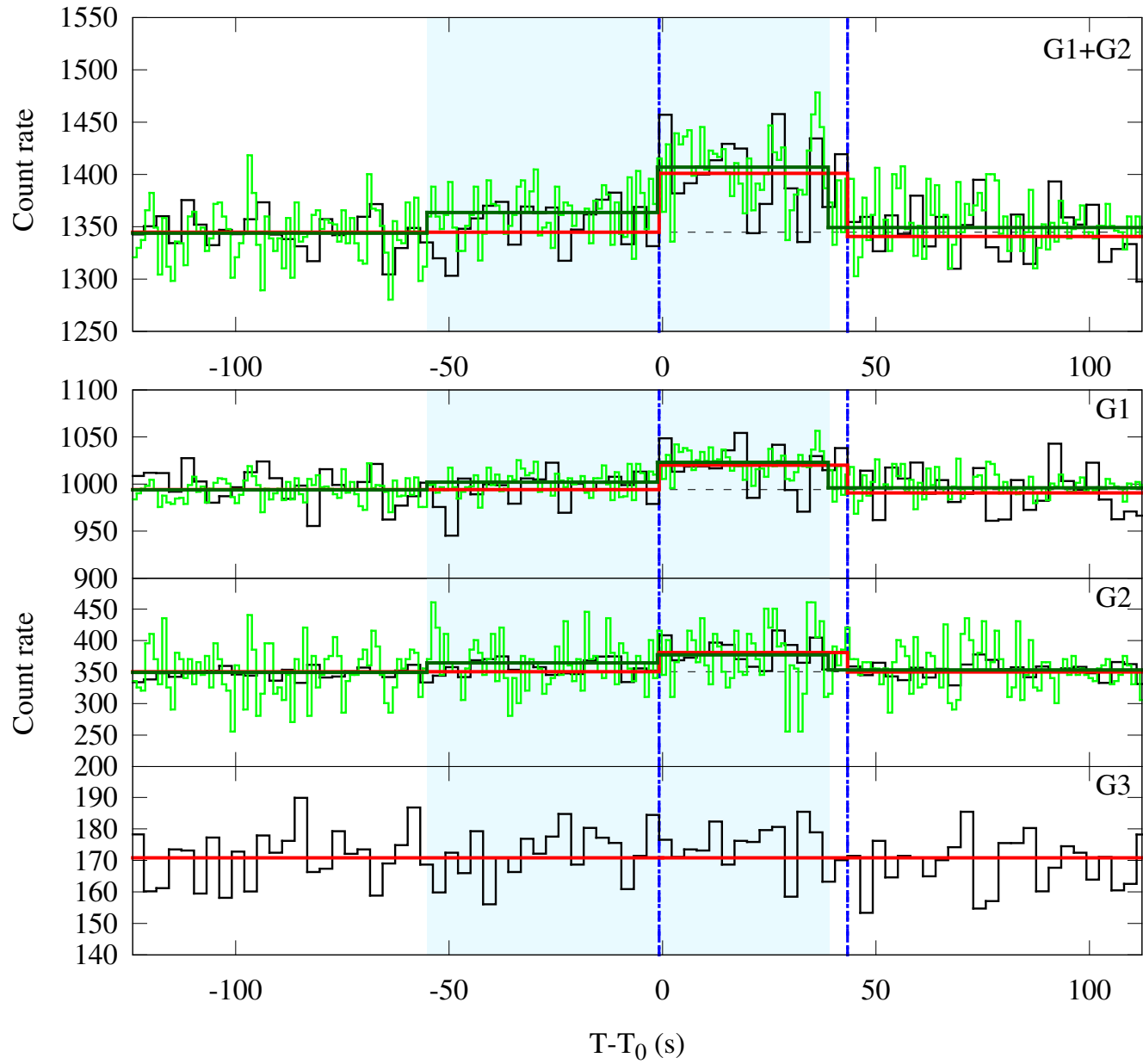
GRB 060115

Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.
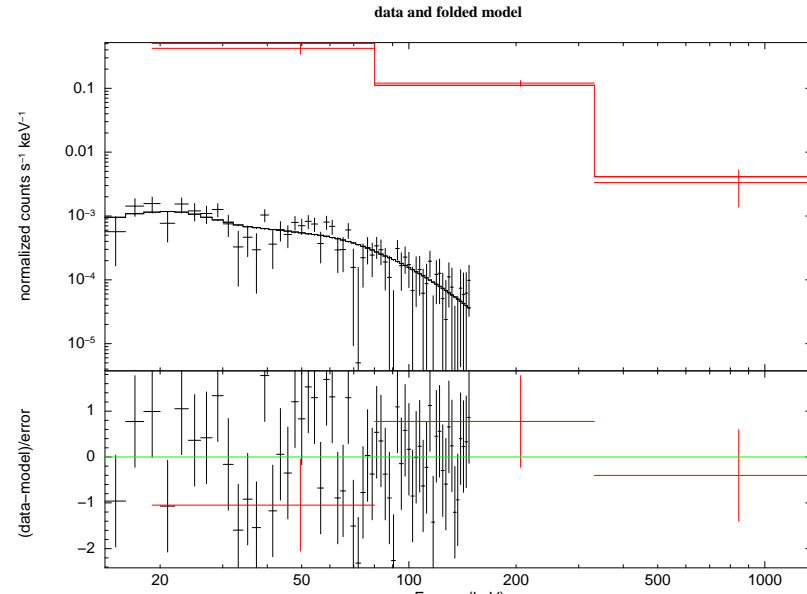
Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-35.569\ldots102.799$	**CPL**	$\mathbf{-1.08^{+0.32}_{-0.30}}$	$\ldots$	$\mathbf{64^{+17}_{-8}}$	$\mathbf{0.12^{+0.02}_{-0.01}}$	$\mathbf{46.6/59(0.88)}$
Peak	$91.023\ldots102.799$	**GRBM**	$\mathbf{-0.85^{+0.33}_{-0.27}}$	$\mathbf{-2.55^{+0.58}_{-7.45}}$	$\mathbf{98^{+32}_{-22}}$	$\mathbf{1.25^{+0.48}_{-0.31}}$	$\mathbf{45.3/58(0.89)}$
		CPL	$-0.91^{+0.26}_{-0.23}$	$\ldots$	104^{+37}_{-18}	$1.03^{+0.23}_{-0.14}$	$45.4/59(0.9)$

GRB 060116 T_0 = 31047.23348 s S1 (z=6.60)

GRB 060116

data and folded model

Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$-0.81\ldots43.35$	**CPL**	$-1.14^{+0.16}_{-0.14}$	$\ldots$	313^{+166}_{-92}	$1.17^{+0.25}_{-0.21}$	$59.1/59(0.47)$

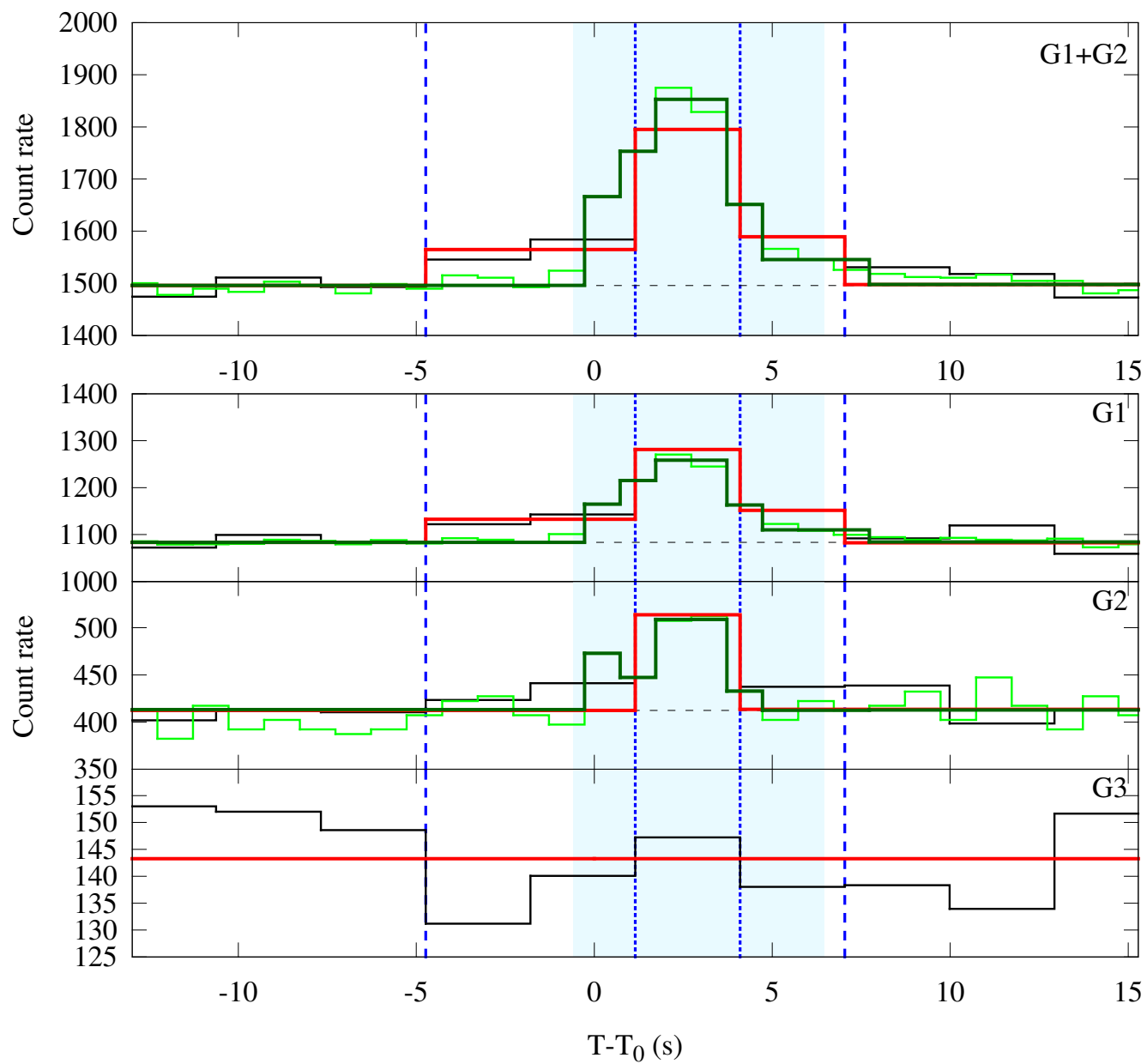GRB 060202 T_0 = 31255.00846 s S2 (z=0.785)
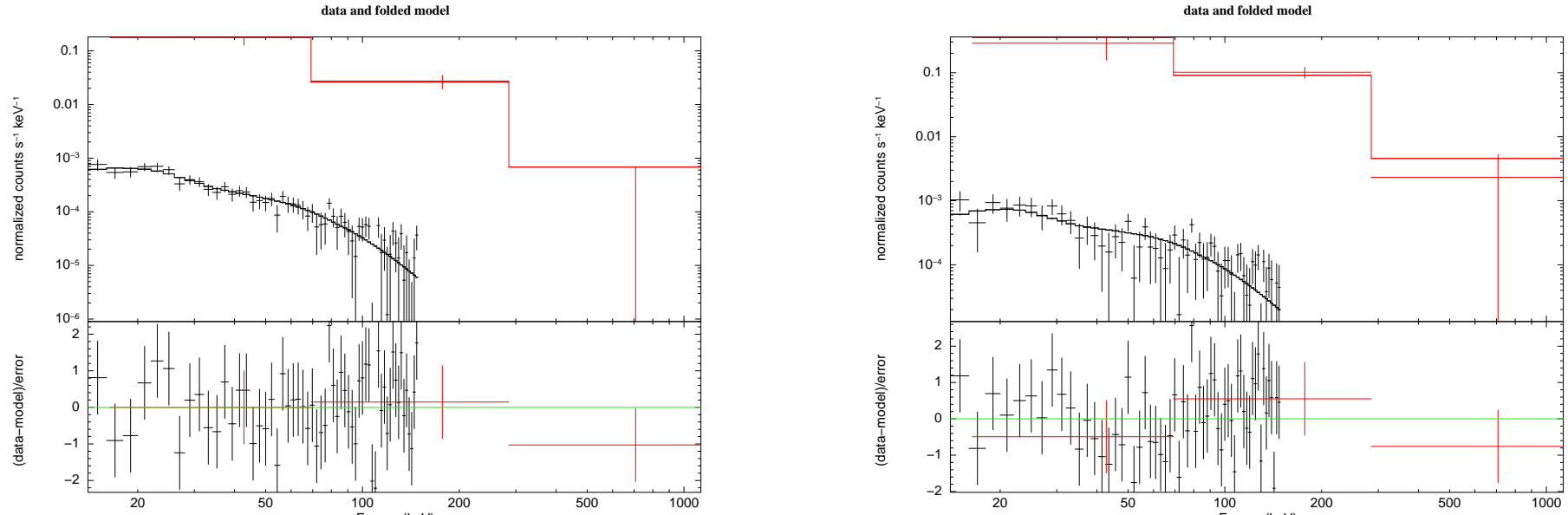
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GRB 060202

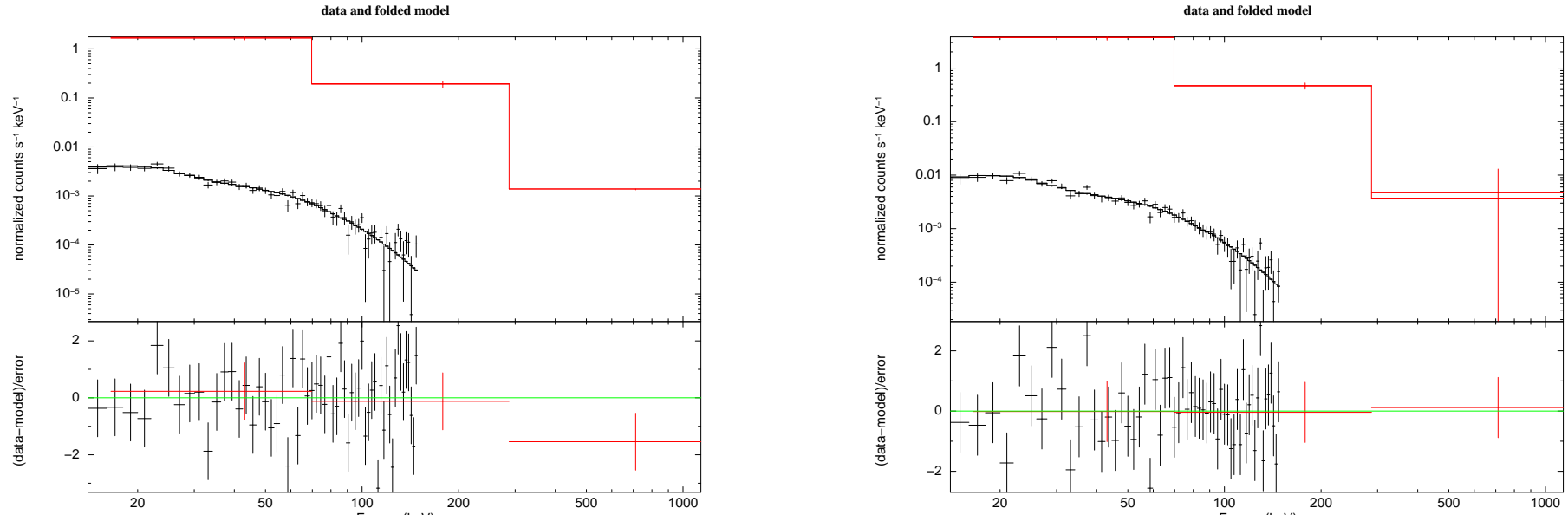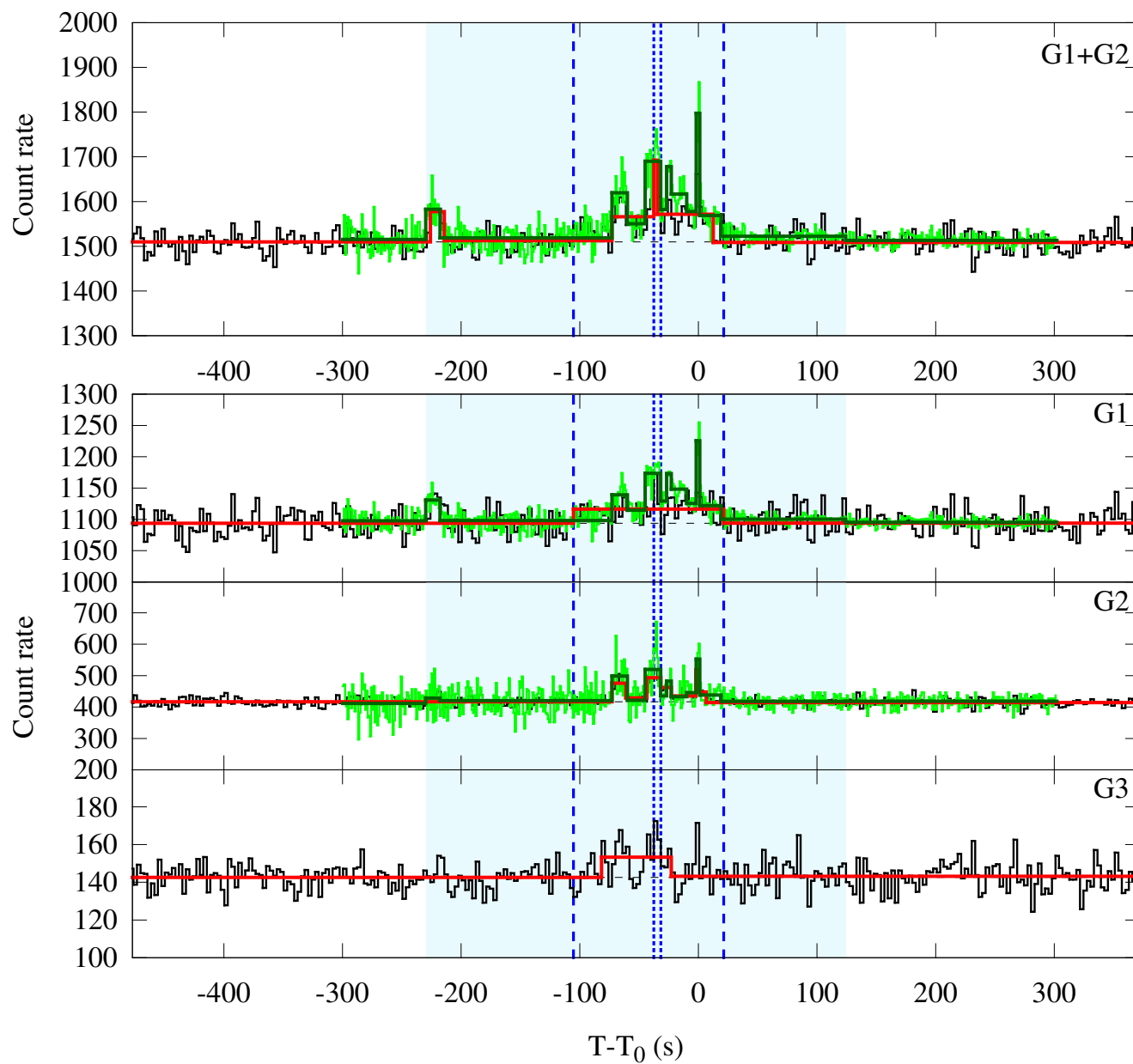Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-20.518\ldots153.178$	**CPL**	$-1.67^{+0.19}_{-0.15}$	$\ldots$	124^{+309}_{-47}	$0.21^{+0.08}_{-0.04}$	$51.6/59(0.74)$
Peak	$-20.518\ldots3.034$	**CPL**	$-1.24^{+0.22}_{-0.19}$	$\ldots$	331^{+466}_{-133}	$0.83^{+0.28}_{-0.21}$	$54.4/59(0.65)$

GRB 060206 T_0 = 17213.27298 s S2 (z=4.0559)

GRB 060206

Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.
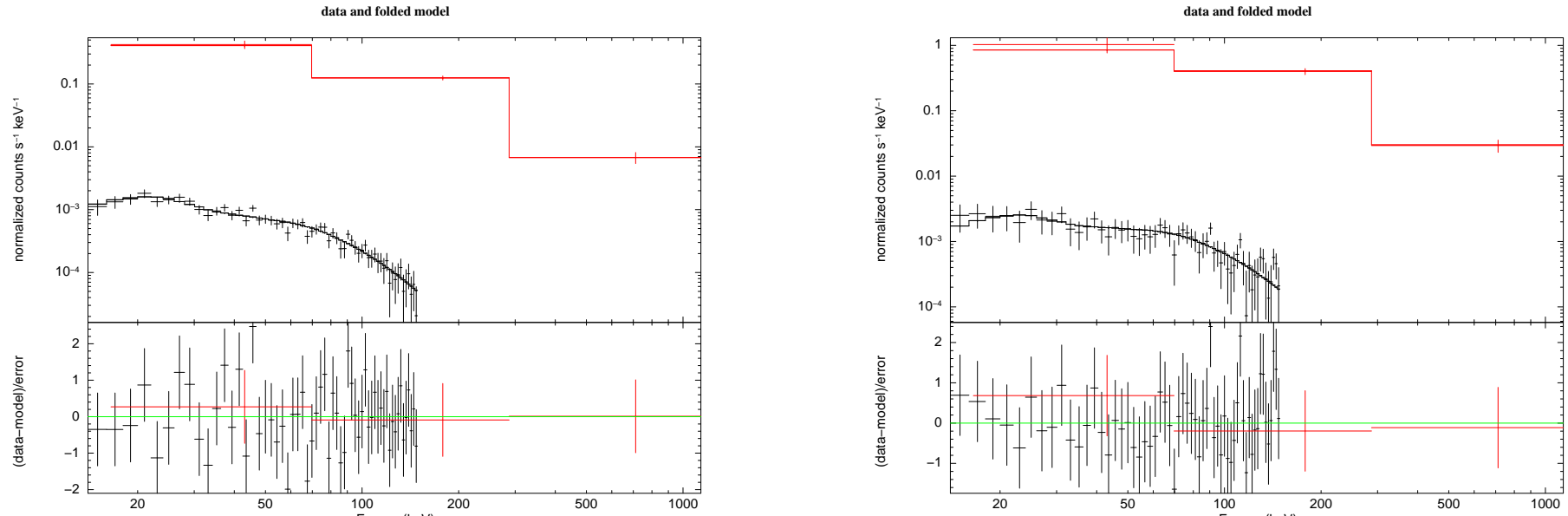
Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F $(10^{-7}\ {\rm erg\ cm^{-2}\ s^{-1}})$	$\chi^2/{\rm dof}$ (Prob.)
Time-integrated	$-4.736\ldots7.04$	**CPL**	$-1.20^{+0.16}_{-0.14}$	$\ldots$	84^{+14}_{-9}	$1.13^{+0.11}_{-0.09}$	$80.8/59(0.031)$
Peak	$1.152\ldots4.096$	**CPL**	$-1.15^{+0.16}_{-0.15}$	$\ldots$	91^{+16}_{-10}	$2.67^{+0.29}_{-0.21}$	$68.0/59(0.2)$

GRB 060210 T_0 = 17929.80918 s S2 (z=3.9122)
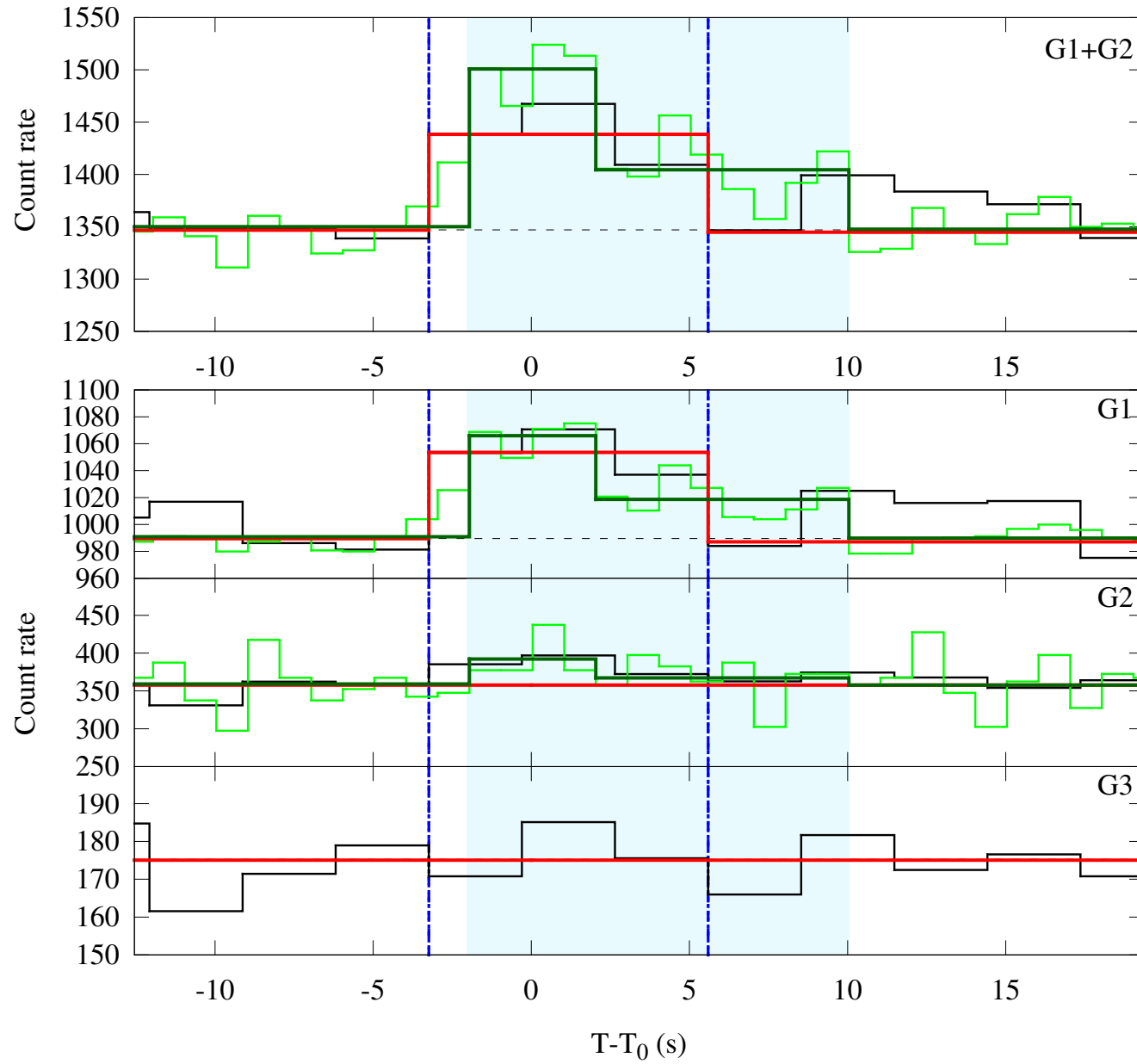
GRB 060210

Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.
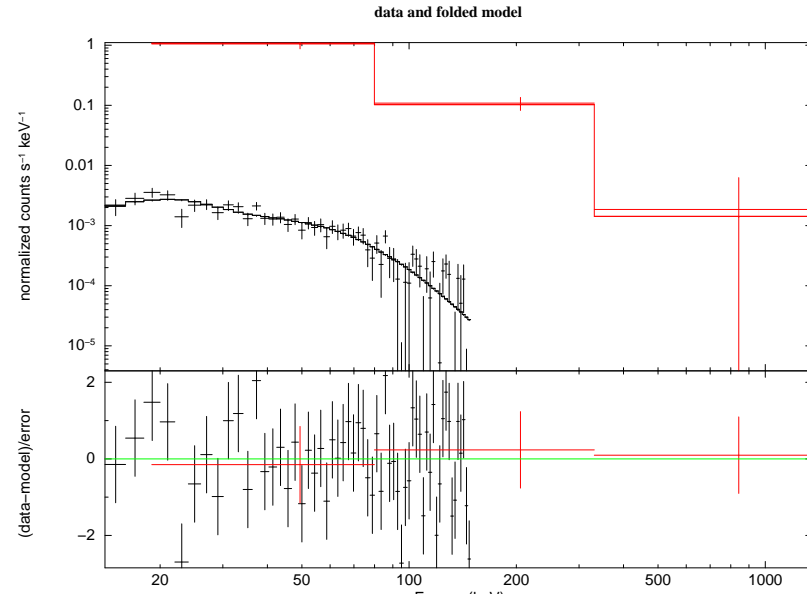
Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$-105.227\ldots 21.365$	**GRBM**	$\mathbf{-1.19^{+0.17}_{-0.12}}$	$\mathbf{-2.10^{+0.25}_{-0.69}}$	$\mathbf{224^{+109}_{-72}}$	$\mathbf{1.50^{+0.17}_{-0.18}}$	$\mathbf{43.9/58(0.92)}$
		CPL	$-1.26^{+0.08}_{-0.07}$	$\ldots$	308^{+90}_{-62}	$1.43^{+0.17}_{-0.15}$	$44.1/59(0.93)$
Peak	$-37.515\ldots -31.627$	**CPL**	$\mathbf{-0.83^{+0.15}_{-0.13}}$	$\ldots$	$\mathbf{405^{+121}_{-80}}$	$\mathbf{5.15^{+0.78}_{-0.72}}$	$\mathbf{35.8/59(0.99)}$

GRB 060223A T_0 = 21863.92758 s S1 (z=4.406)

GRB 060223A
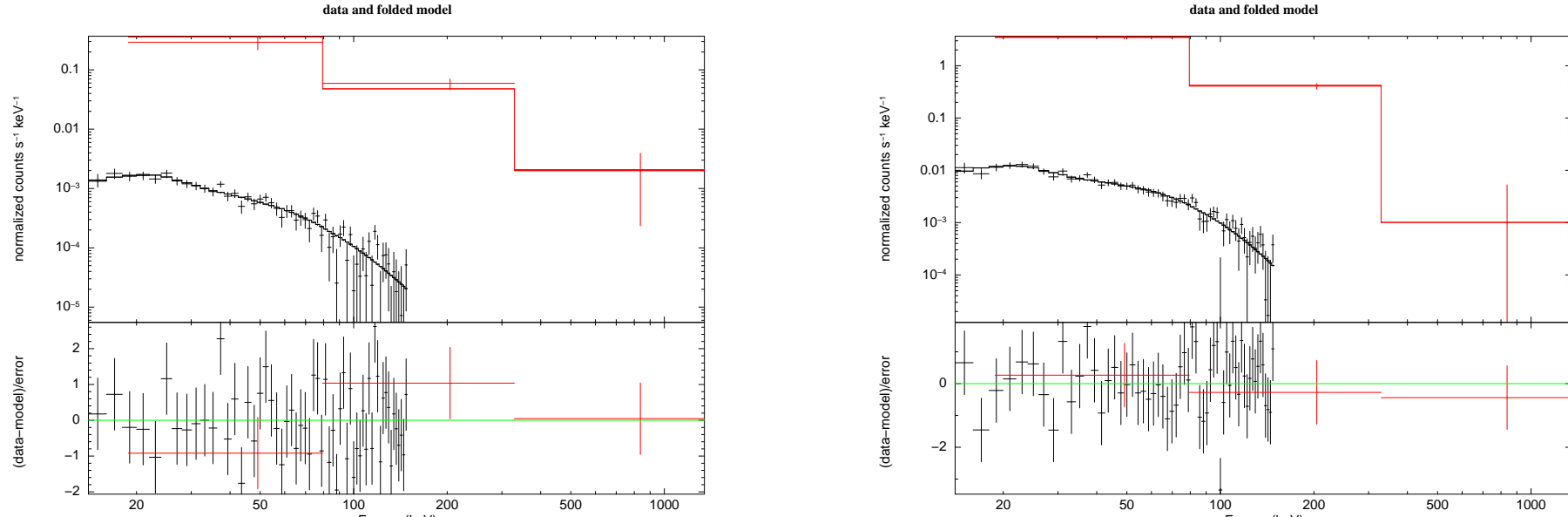

Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-3.242\ldots5.59$	**GRBM**	$\mathbf{-0.71^{+0.40}_{-0.31}}$	$\mathbf{-2.70^{+0.53}_{-7.30}}$	$\mathbf{71^{+13}_{-10}}$	$\mathbf{0.98^{+0.32}_{-0.23}}$	$\mathbf{73.8/58(0.079)}$
		CPL	$-0.76^{+0.32}_{-0.29}$	$\ldots$	73^{+12}_{-8}	$0.81^{+0.10}_{-0.07}$	$74.0/59(0.09)$

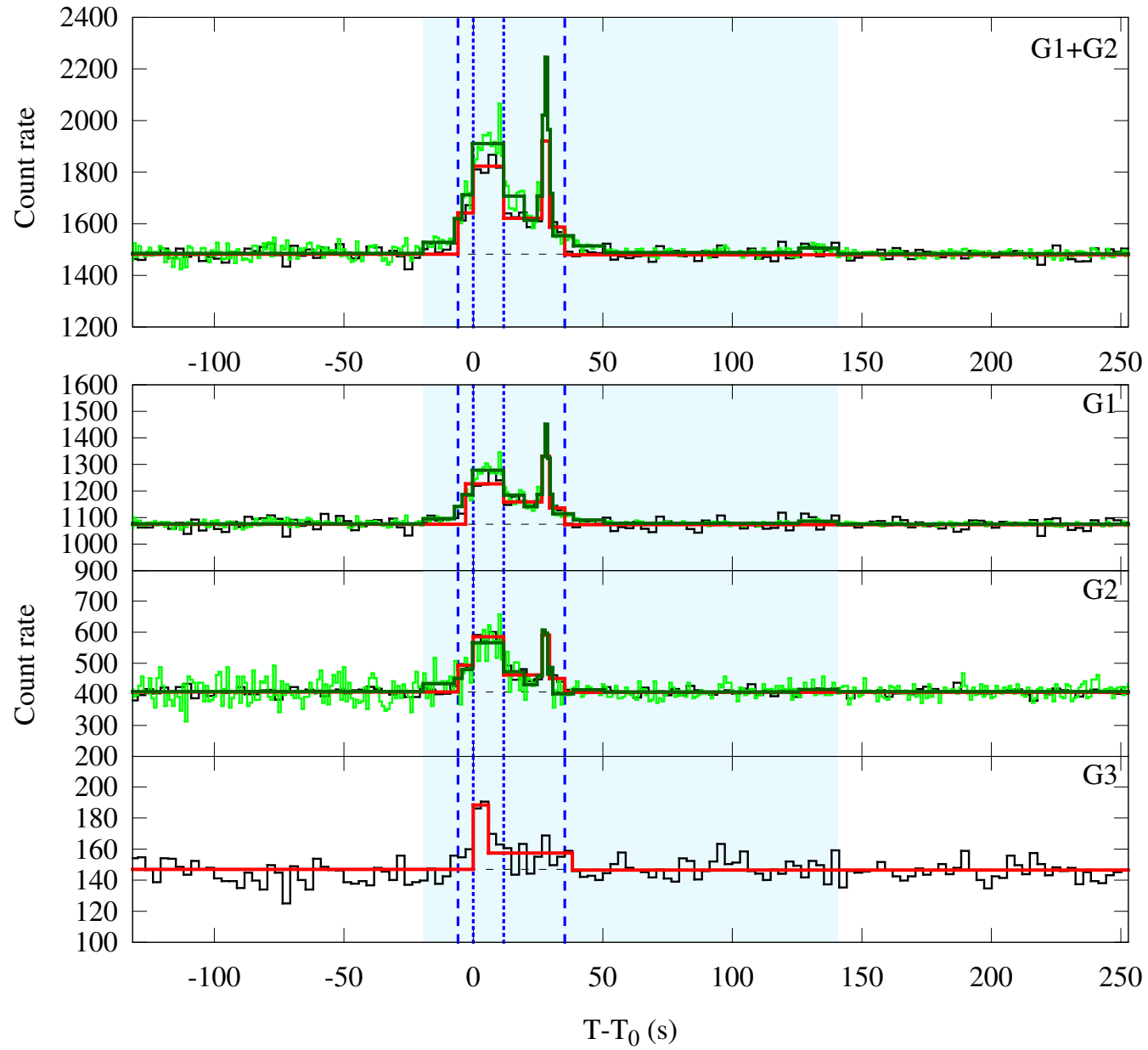GRB 060306 T_0 = 2950.62624 s S1 (z=1.551)

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GRB 060306

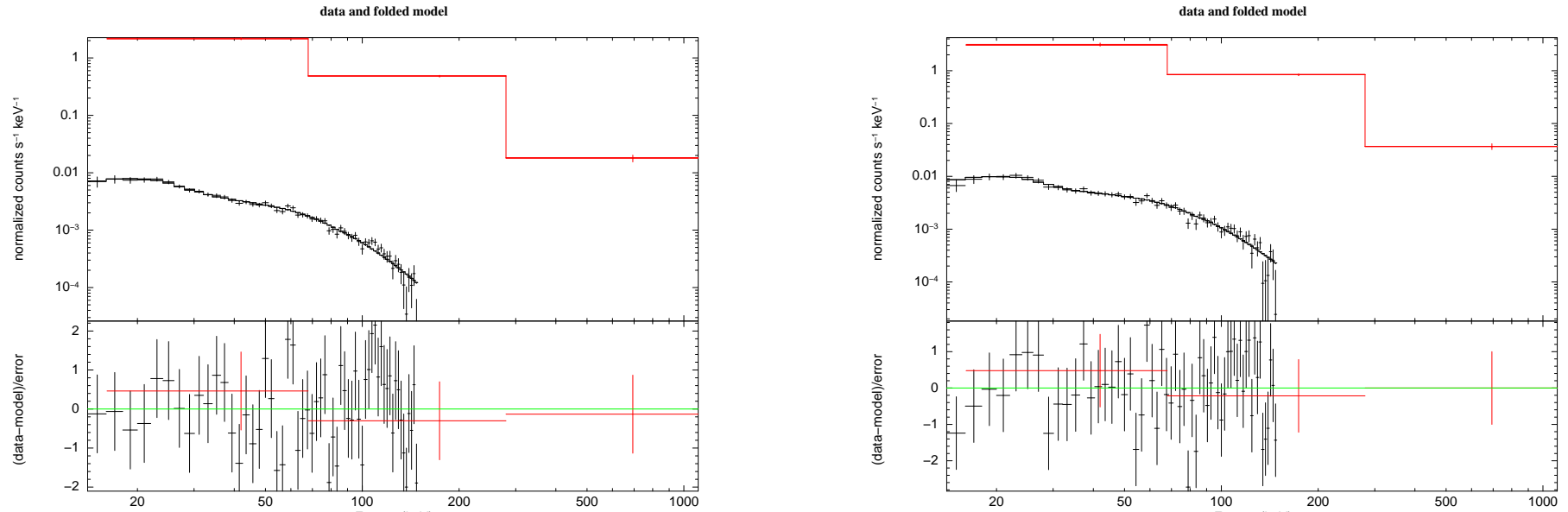Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_p (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$-0.818\ldots52.174$	**GRBM**	$\mathbf{-0.28^{+1.04}_{-0.74}}$	$\mathbf{-1.99^{+0.11}_{-0.18}}$	$\mathbf{45^{+16}_{-8}}$	$\mathbf{0.69^{+0.11}_{-0.11}}$	$\mathbf{56.6/58(0.53)}$
		CPL	$-1.29^{+0.27}_{-0.26}$	$\ldots$	80^{+41}_{-14}	$0.44^{+0.12}_{-0.05}$	$62.1/59(0.37)$
Peak	$-0.818\ldots2.126$	**CPL**	$\mathbf{-0.90^{+0.17}_{-0.16}}$	$\ldots$	$\mathbf{83^{+9}_{-6}}$	$\mathbf{3.95^{+0.28}_{-0.23}}$	$\mathbf{52.5/59(0.71)}$

GRB 060418 $T_0 = 11168.2045$ s S2 (z=1.4901)

GRB 060418

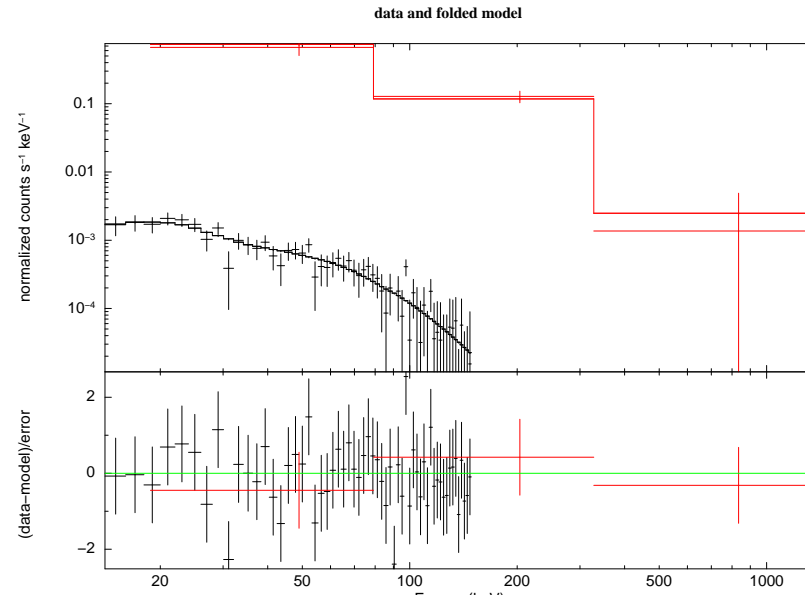Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-5.925\ldots35.291$	**CPL**	$\mathbf{-1.43^{+0.05}_{-0.04}}$	...	$\mathbf{215^{+31}_{-25}}$	$\mathbf{4.20^{+0.24}_{-0.23}}$	$\mathbf{57.9/59(0.52)}$
Peak	$-0.037\ldots11.739$	**CPL**	$\mathbf{-1.22^{+0.05}_{-0.05}}$	...	$\mathbf{260^{+35}_{-29}}$	$\mathbf{7.37^{+0.48}_{-0.45}}$	$\mathbf{54.7/59(0.64)}$

GRB 060526 T_0 = 59309.95092 s S2 (z=3.2213)
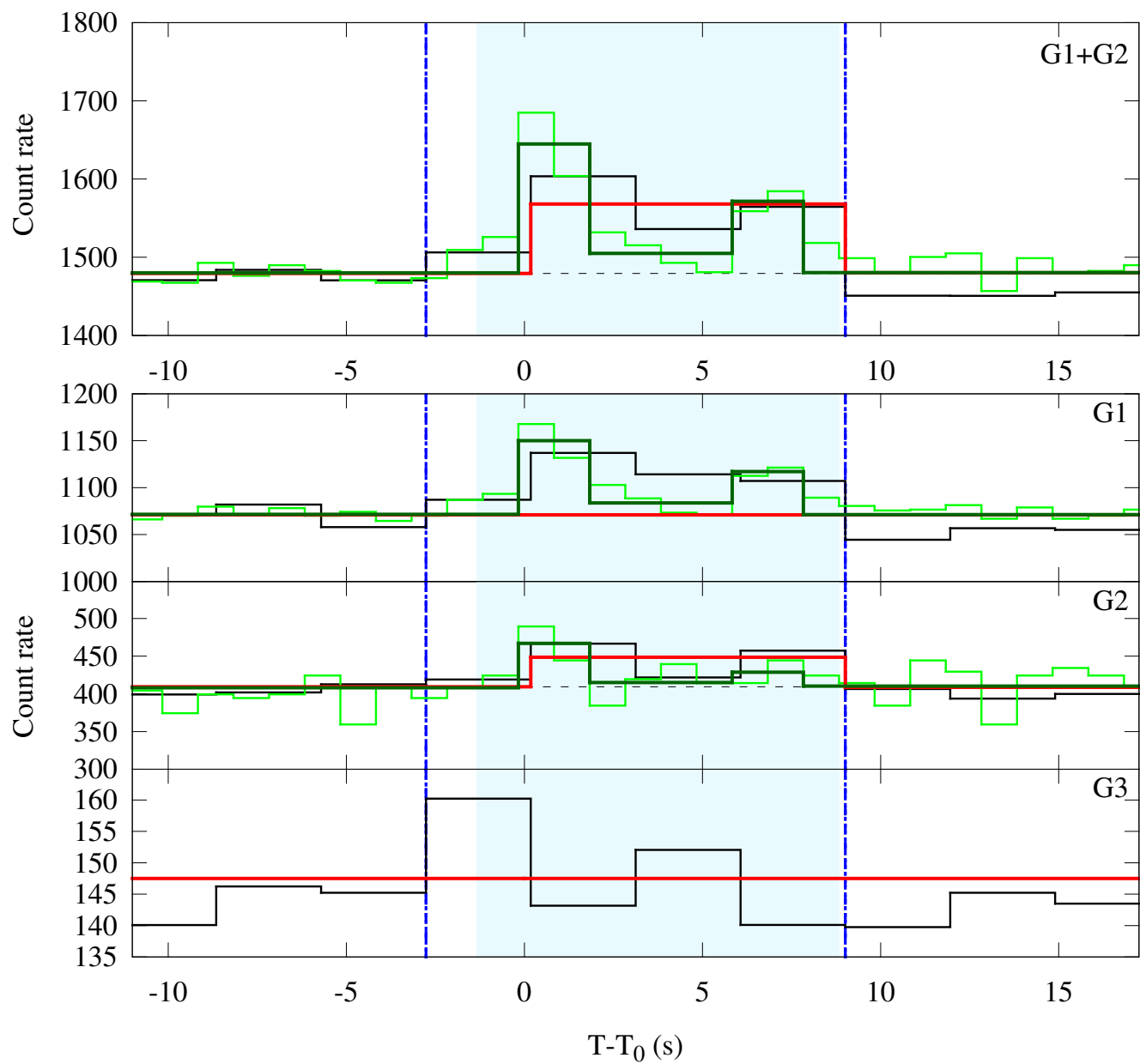
GRB 060526

data and folded model

Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$-2.765\ldots9.011$	**CPL**	$-1.44^{+0.24}_{-0.18}$	$\ldots$	162^{+191}_{-60}	$1.22^{+0.41}_{-0.27}$	$\mathbf{39.7/59(0.97)}$

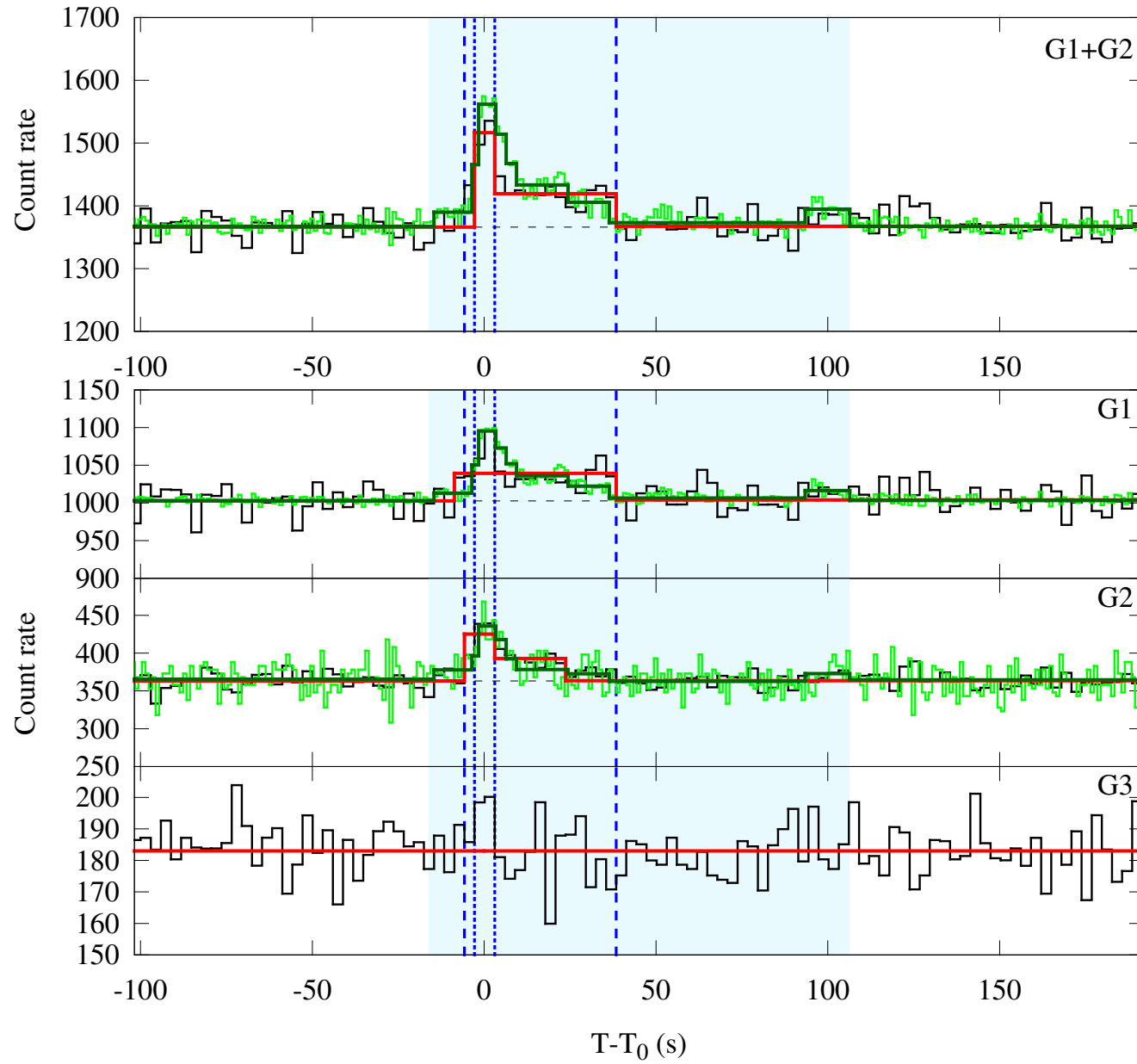GRB 060602A T_0 = 77532.46432 s S1 (z=0.787)
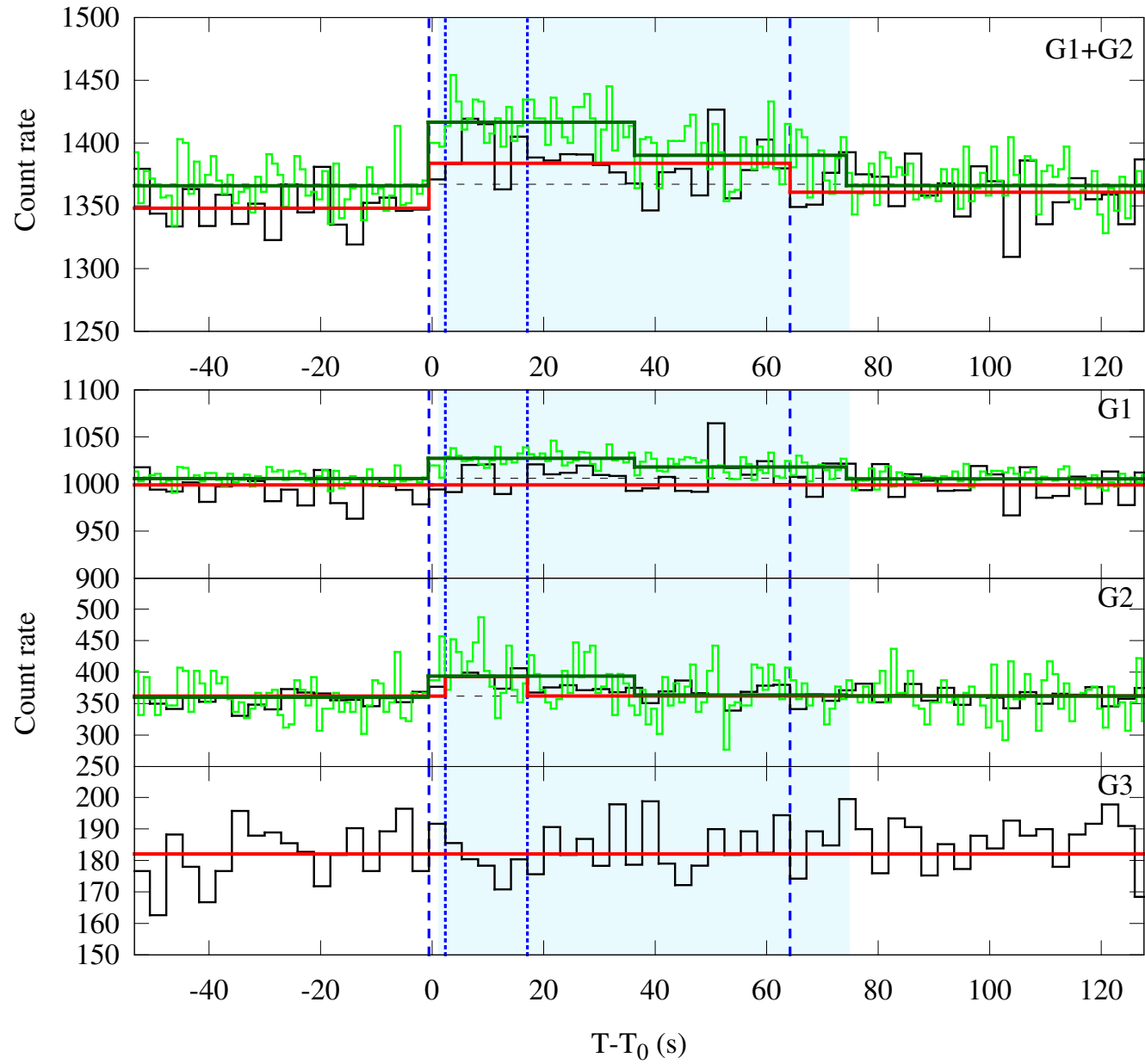
GRB 060602A
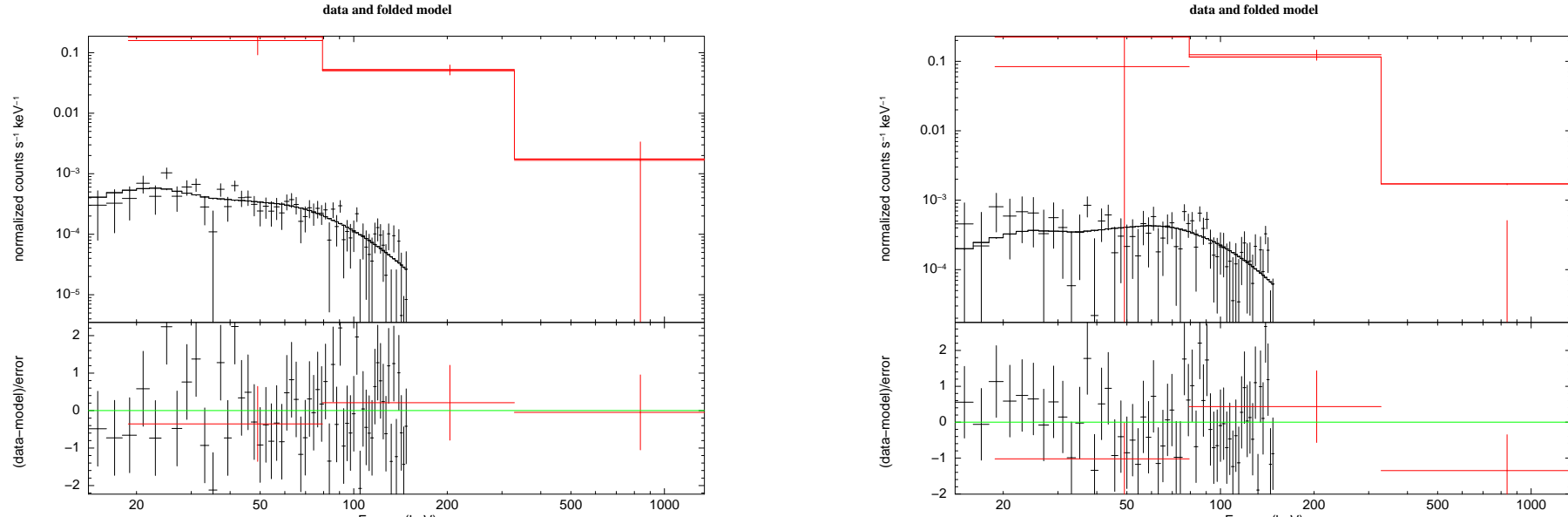
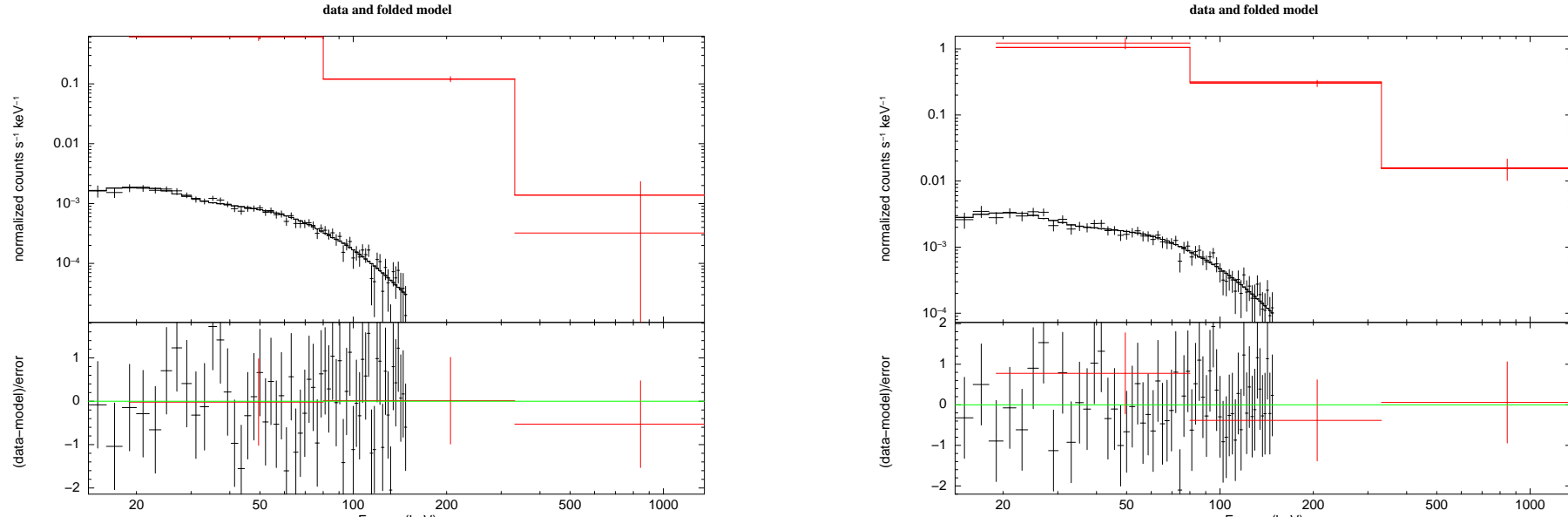Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-0.577\ldots64.191$	**GRBM**	$\mathbf{-0.68^{+0.43}_{-0.28}}$	$\mathbf{-2.33^{+0.59}_{-7.67}}$	$\mathbf{178^{+116}_{-61}}$	$\mathbf{0.60^{+0.24}_{-0.20}}$	$\mathbf{61.4/58(0.36)}$
		CPL	$-0.79^{+0.32}_{-0.22}$	$\ldots$	219^{+148}_{-73}	$0.53^{+0.22}_{-0.14}$	$61.5/59(0.39)$
Peak	$2.367\ldots17.087$	**CPL**	$\mathbf{0.39^{+0.63}_{-0.45}}$	$\ldots$	$\mathbf{200^{+53}_{-38}}$	$\mathbf{0.94^{+0.26}_{-0.20}}$	$\mathbf{56.9/59(0.55)}$

GRB 060607A T_0 = 18733.3515 s S1 (z=3.0749)
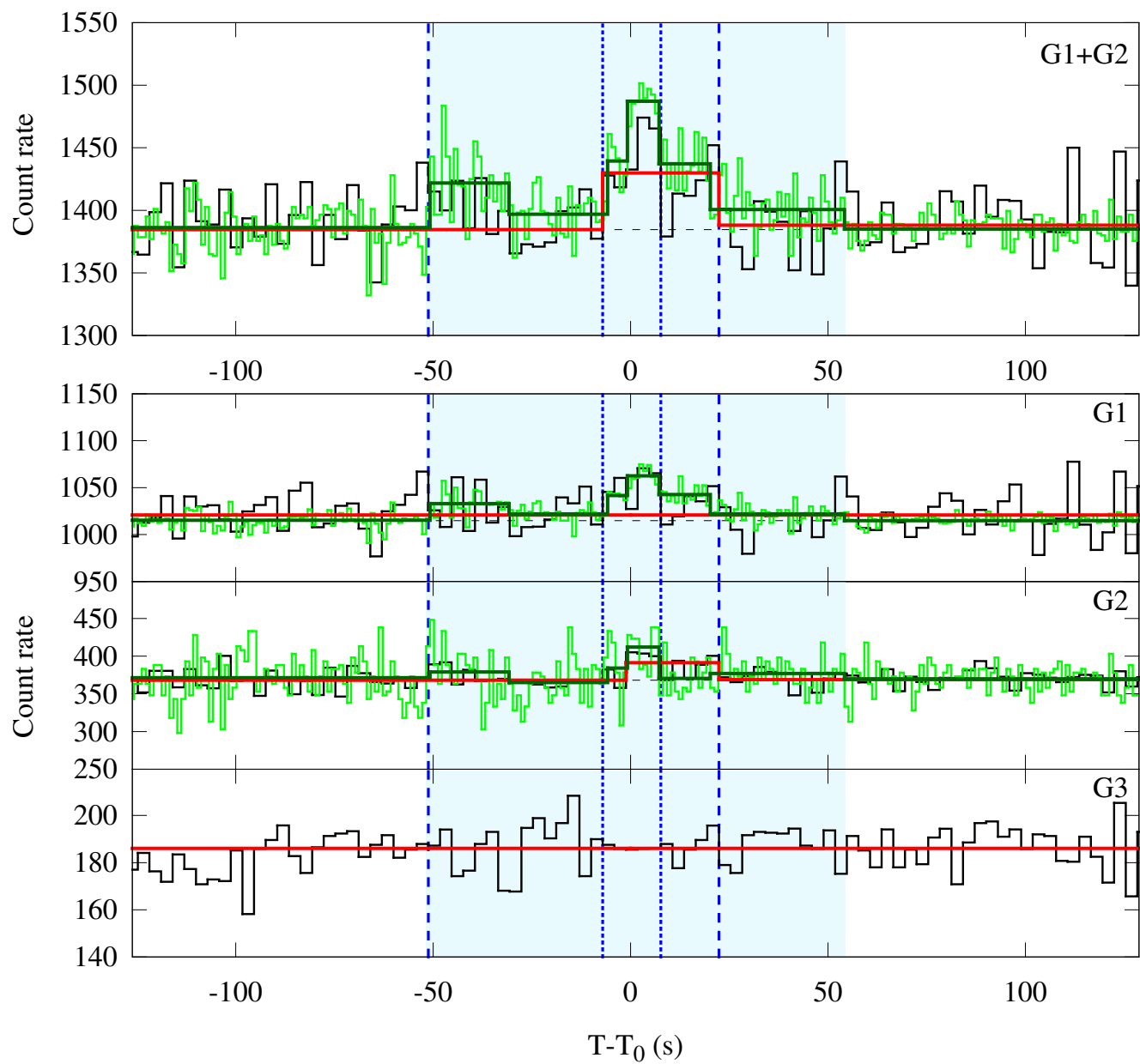
GRB 060607A

Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.
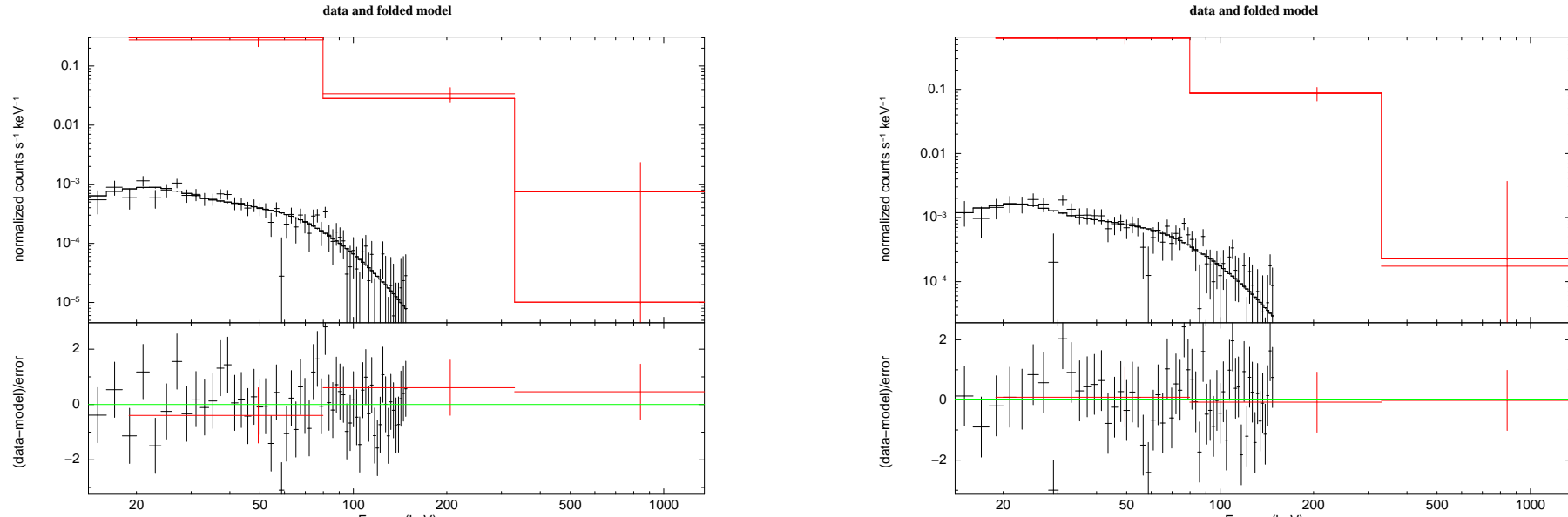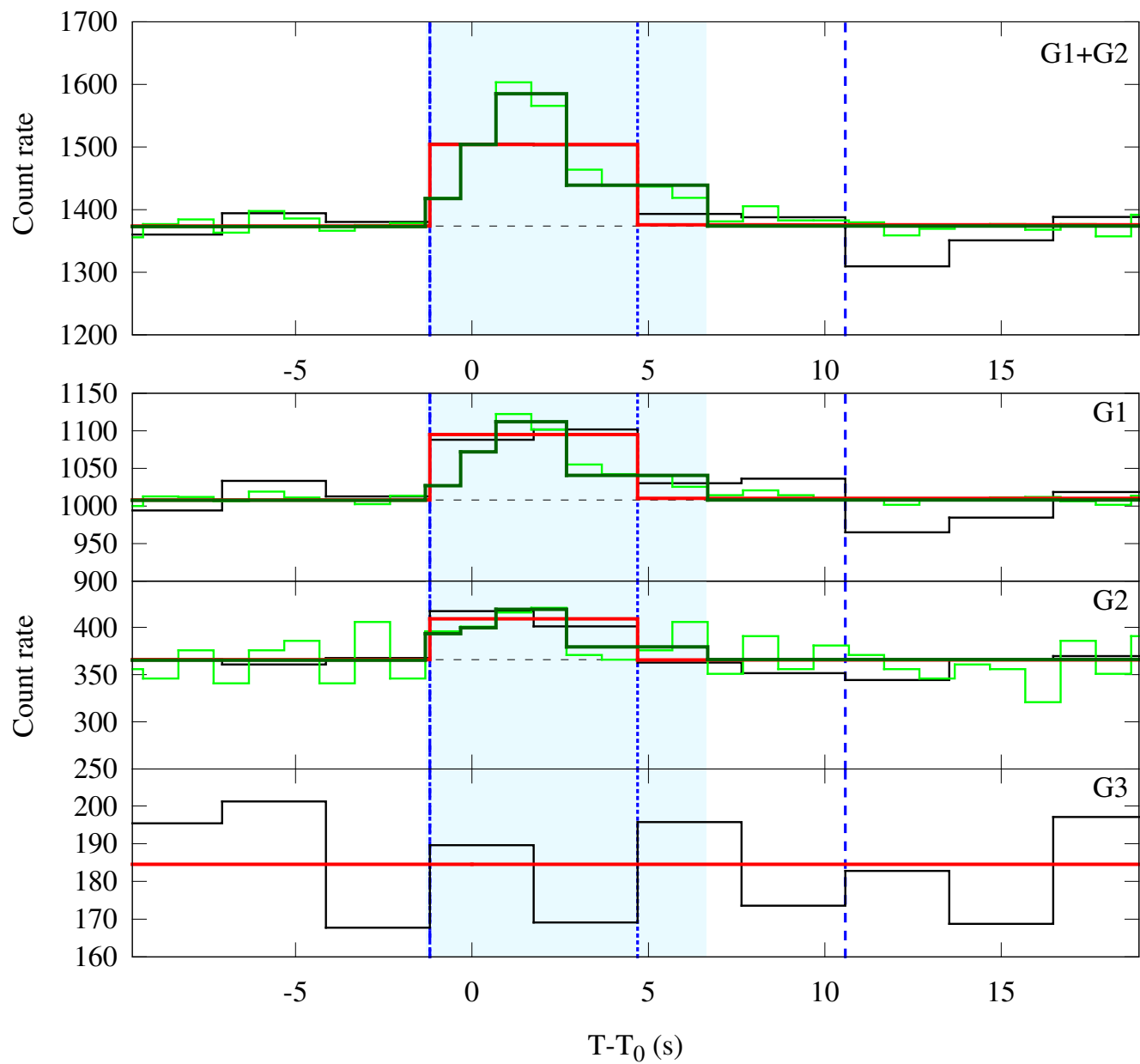
Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	$\chi^2/$dof (Prob.)
Time-integrated	$-5.738\ldots38.422$	**CPL**	$\mathbf{-1.02^{+0.12}_{-0.11}}$	$\ldots$	$\mathbf{137^{+26}_{-18}}$	$\mathbf{1.23^{+0.14}_{-0.11}}$	$\mathbf{44.5/59(0.92)}$
Peak	$-2.794\ldots3.094$	**GRBM**	$\mathbf{-0.89^{+0.16}_{-0.13}}$	$\mathbf{-2.09^{+0.33}_{-0.87}}$	$\mathbf{245^{+118}_{-68}}$	$\mathbf{4.55^{+0.82}_{-0.86}}$	$\mathbf{34.3/58(0.99)}$
		CPL	$-0.97^{+0.10}_{-0.09}$	$\ldots$	331^{+119}_{-82}	$4.23^{+0.85}_{-0.75}$	$34.7/59(1)$

GRB 060707 T_0 = 77419.49732 s S1 (z=3.4240)

GRB 060707

Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.
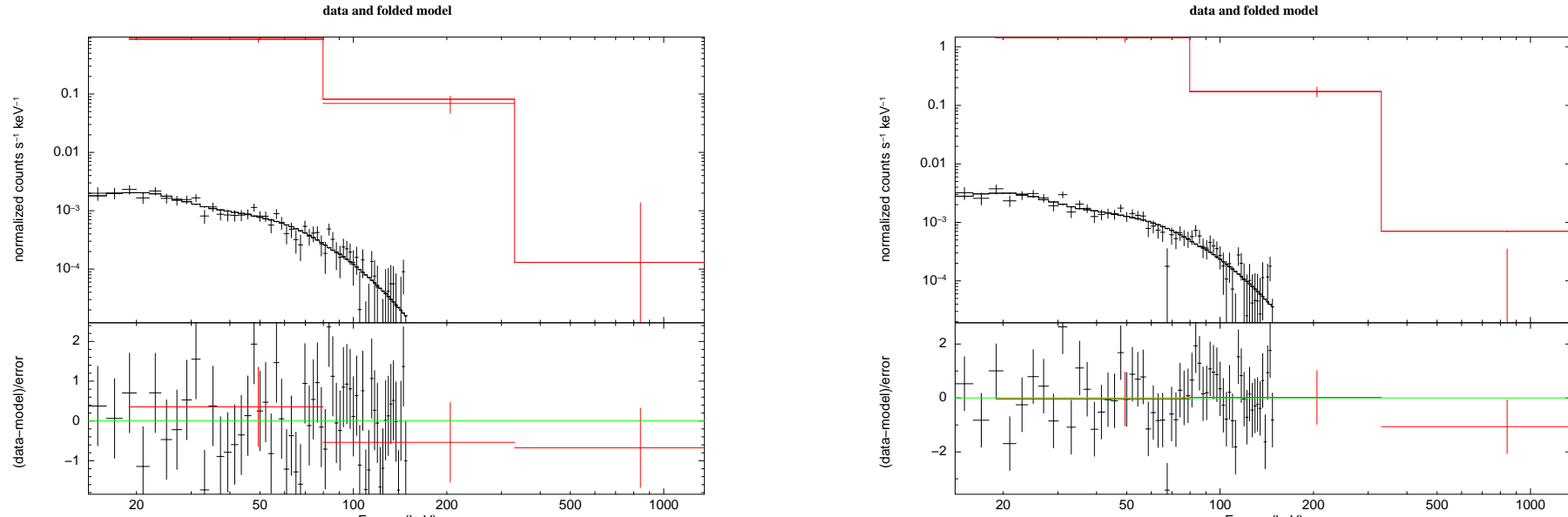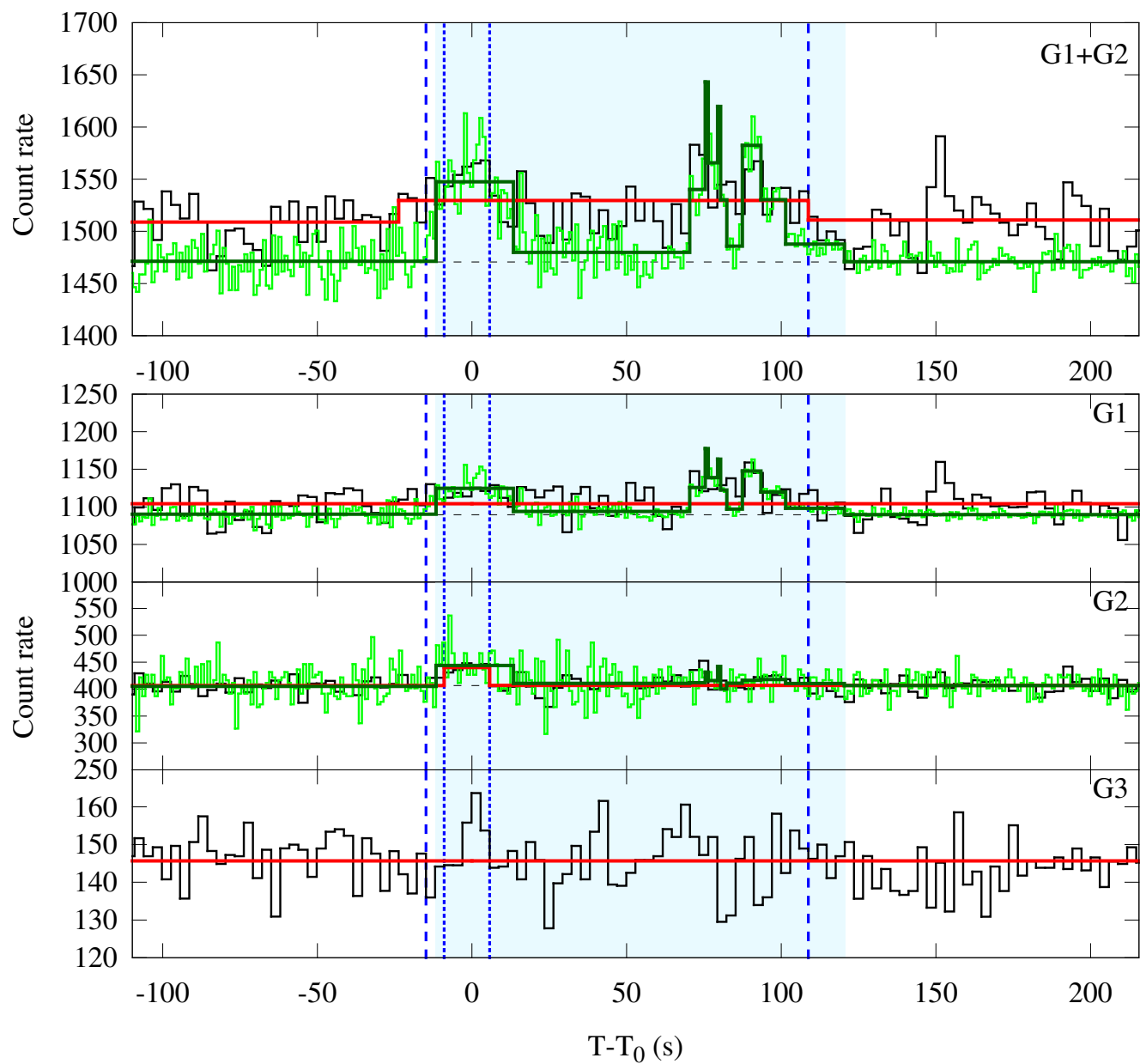
Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-51.213\ldots22.387$	**CPL**	$-0.48^{+0.38}_{-0.35}$	...	67^{+9}_{-6}	$0.30^{+0.03}_{-0.02}$	$54.6/59(0.64)$
Peak	$-7.053\ldots7.667$	**CPL**	$-0.72^{+0.36}_{-0.32}$	...	92^{+24}_{-14}	$0.80^{+0.14}_{-0.09}$	$63.5/59(0.32)$

GRB 060708 T_0 = 44159.01608 s S1 (z=1.92)

GRB 060708

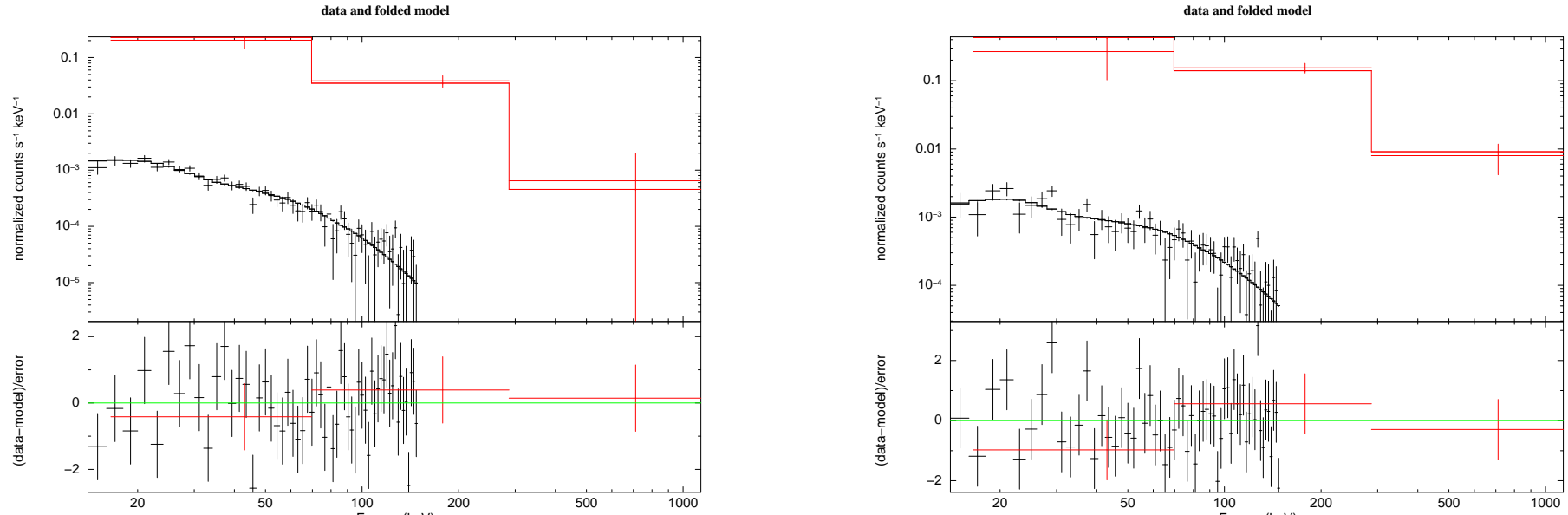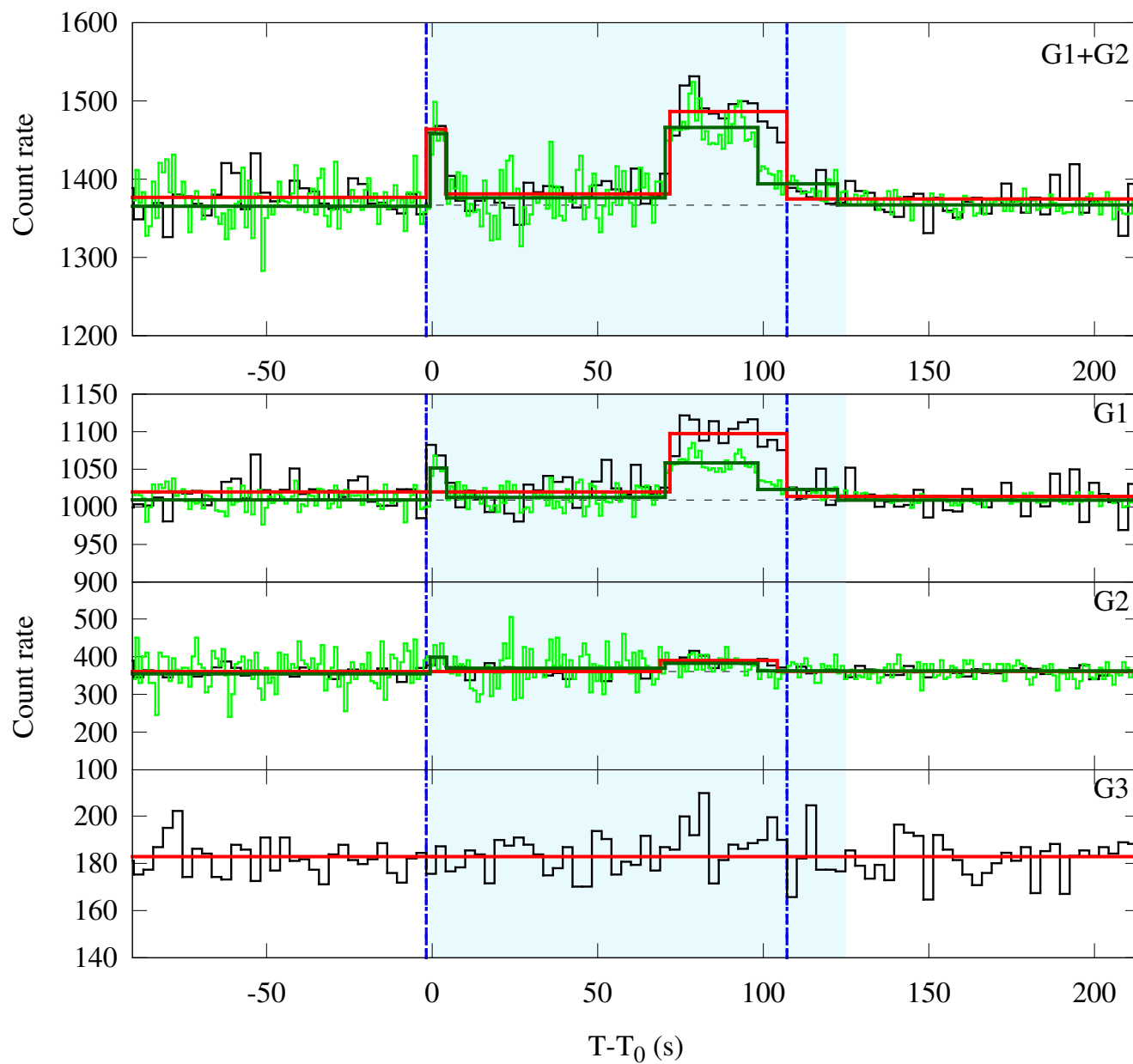Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$-1.194\ldots10.582$	**CPL**	$-0.87^{+0.27}_{-0.24}$	$\ldots$	76^{+13}_{-9}	$0.68^{+0.08}_{-0.06}$	$54.2/59(0.65)$
Peak	$-1.194\ldots4.694$	**CPL**	$-0.94^{+0.22}_{-0.19}$	$\ldots$	97^{+22}_{-13}	$1.33^{+0.19}_{-0.13}$	$64.6/59(0.29)$

![GRB 060714 light curve plot showing count rate versus T-T0 for channels G1+G2, G1, G2, and G3](image)

GRB 060714 T_0 = 54720.28348 s S2 (z=2.7108)

GRB 060714

Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.
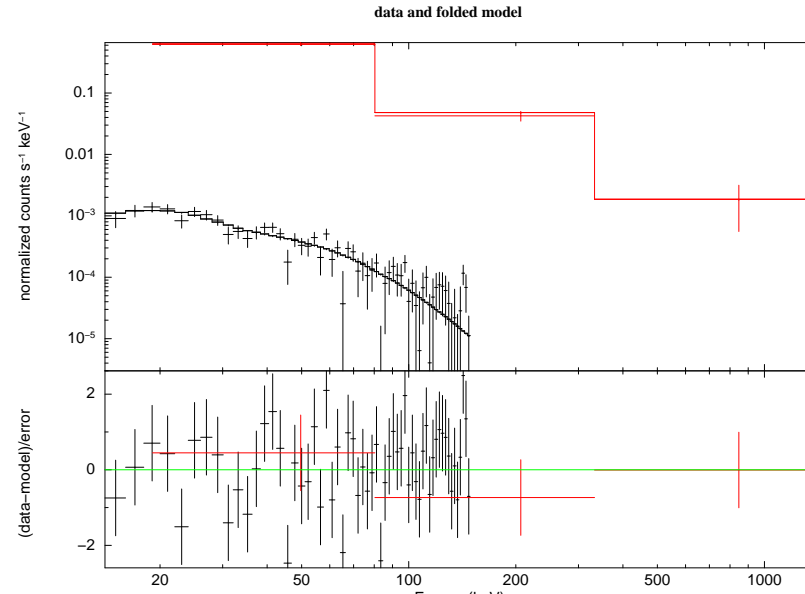
Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	$\chi^2/$dof (Prob.)
Time-integrated	$-14.885\ldots108.763$	**CPL**	$-1.61^{+0.23}_{-0.19}$	$\ldots$	71^{+53}_{-15}	$0.31^{+0.09}_{-0.05}$	$60.0/59(0.44)$
Peak	$-8.997\ldots5.723$	**CPL**	$-1.22^{+0.16}_{-0.14}$	$\ldots$	430^{+511}_{-172}	$1.68^{+0.46}_{-0.39}$	$62.8/59(0.34)$

GRB 060729 $T_0 = 69149.24442$ s S1 (z=0.5428)

GRB 060729

data and folded model

Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$-1.784\ldots107.144$	**GRBM**	$\mathbf{-1.14^{+1.14}_{-0.50}}$	$\mathbf{-2.05^{+0.19}_{-7.18}}$	$\mathbf{58^{+72}_{-32}}$	$\mathbf{0.59^{+0.11}_{-0.18}}$	$\mathbf{63.2/58(0.3)}$
		CPL	$-1.51^{+0.26}_{-0.21}$	$\ldots$	99^{+98}_{-25}	$0.44^{+0.14}_{-0.07}$	$64.1/59(0.3)$

GRB 060801 T_0 = 44175.15888 s S2 (z=1.1304)
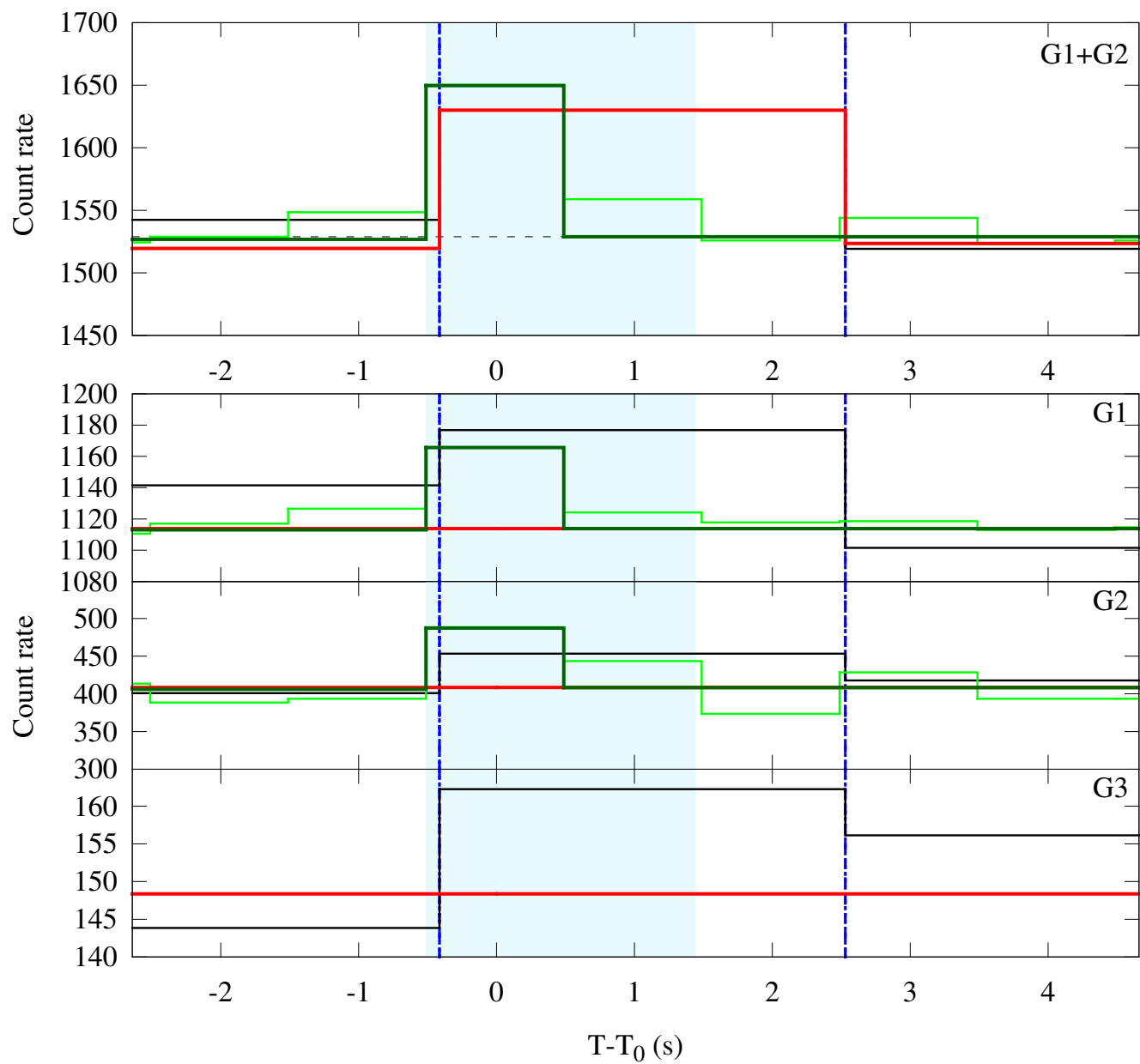
GRB 060801
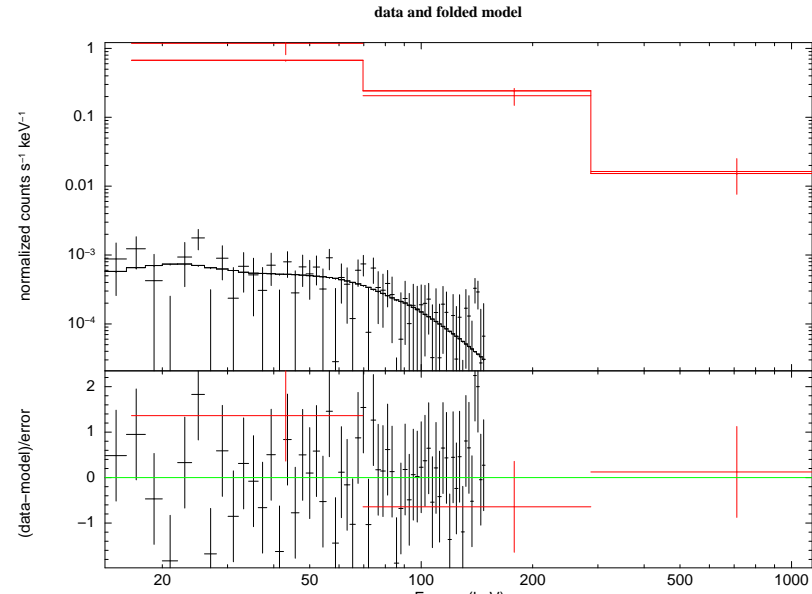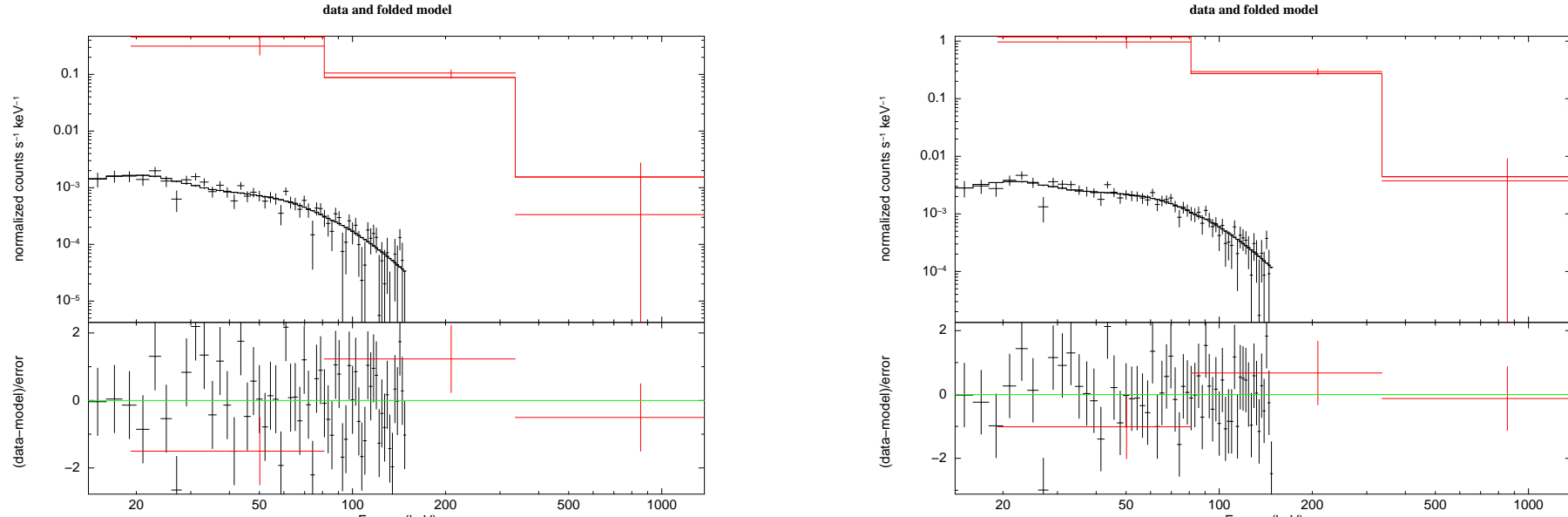

Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$-0.414\ldots2.53$	**GRBM**	$\mathbf{-0.37^{+1.44}_{-0.55}}$	$\mathbf{-1.83^{+0.38}_{-8.17}}$	$\mathbf{180^{+236}_{-97}}$	$\mathbf{2.45^{+0.95}_{-0.89}}$	$\mathbf{51.7/58(0.71)}$
		CPL	$-0.67^{+0.37}_{-0.28}$	$\ldots$	358^{+322}_{-147}	$2.18^{+0.99}_{-0.78}$	$52.0/59(0.73)$

GRB 060904B $T_0 = 9063.85772$ s S1 (z=0.7029)
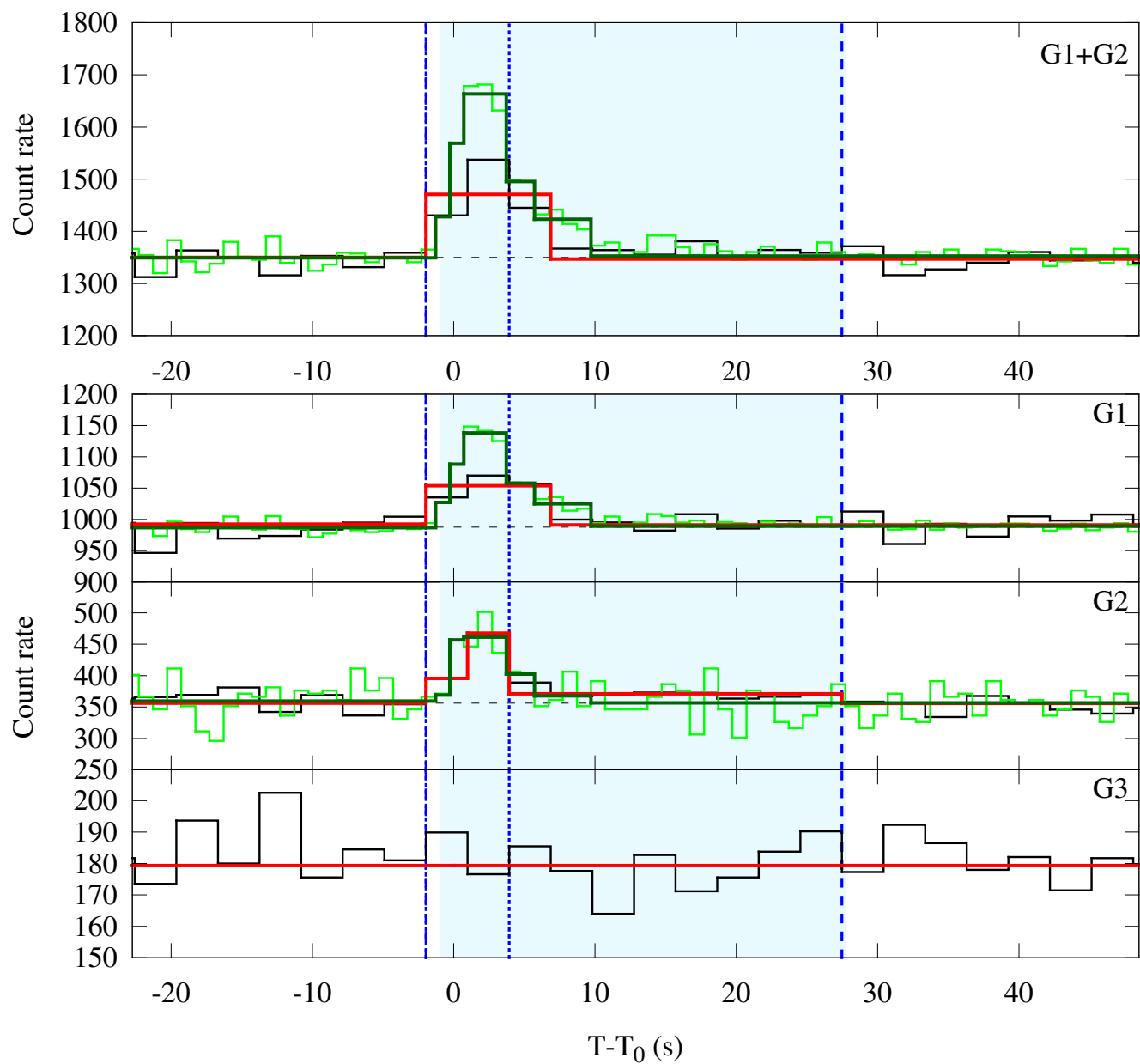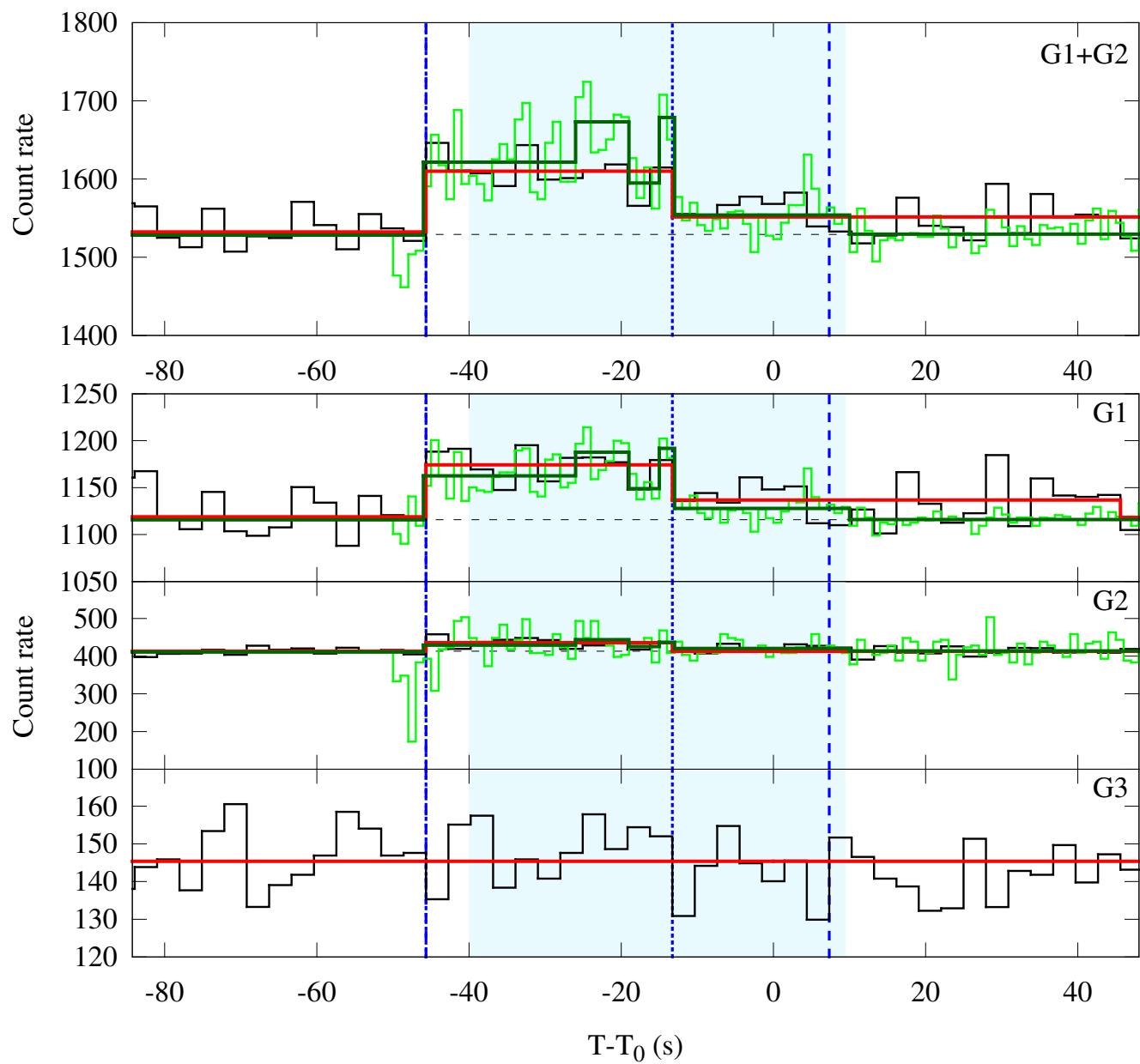
GRB 060904B

Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.
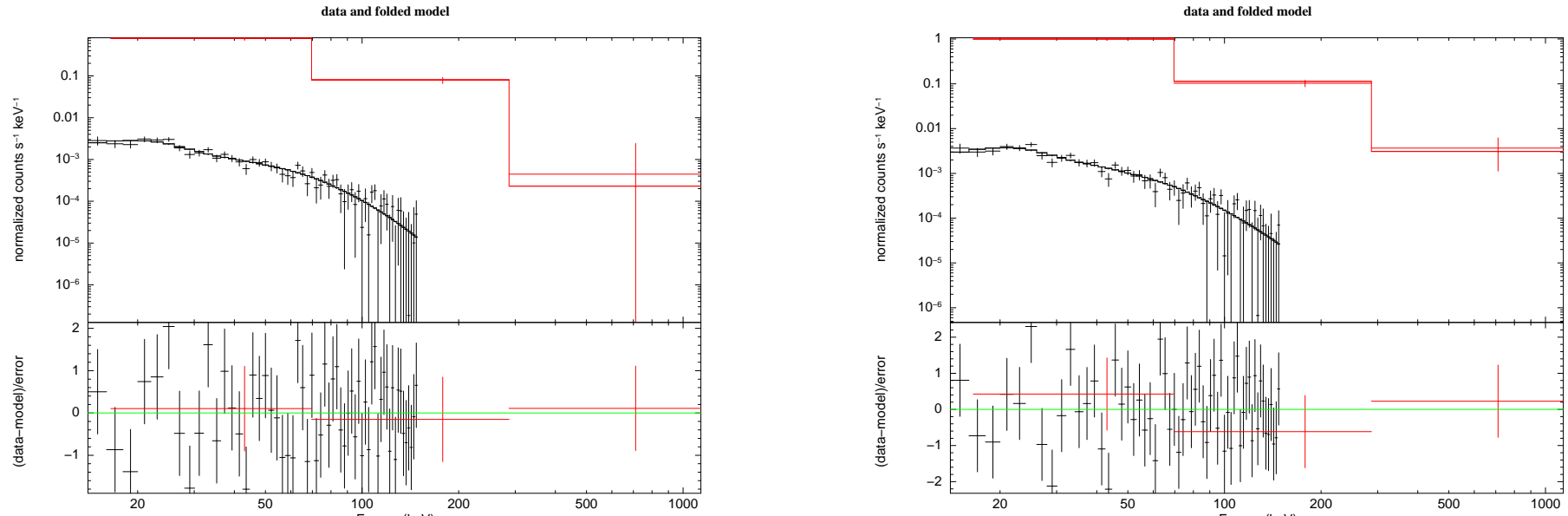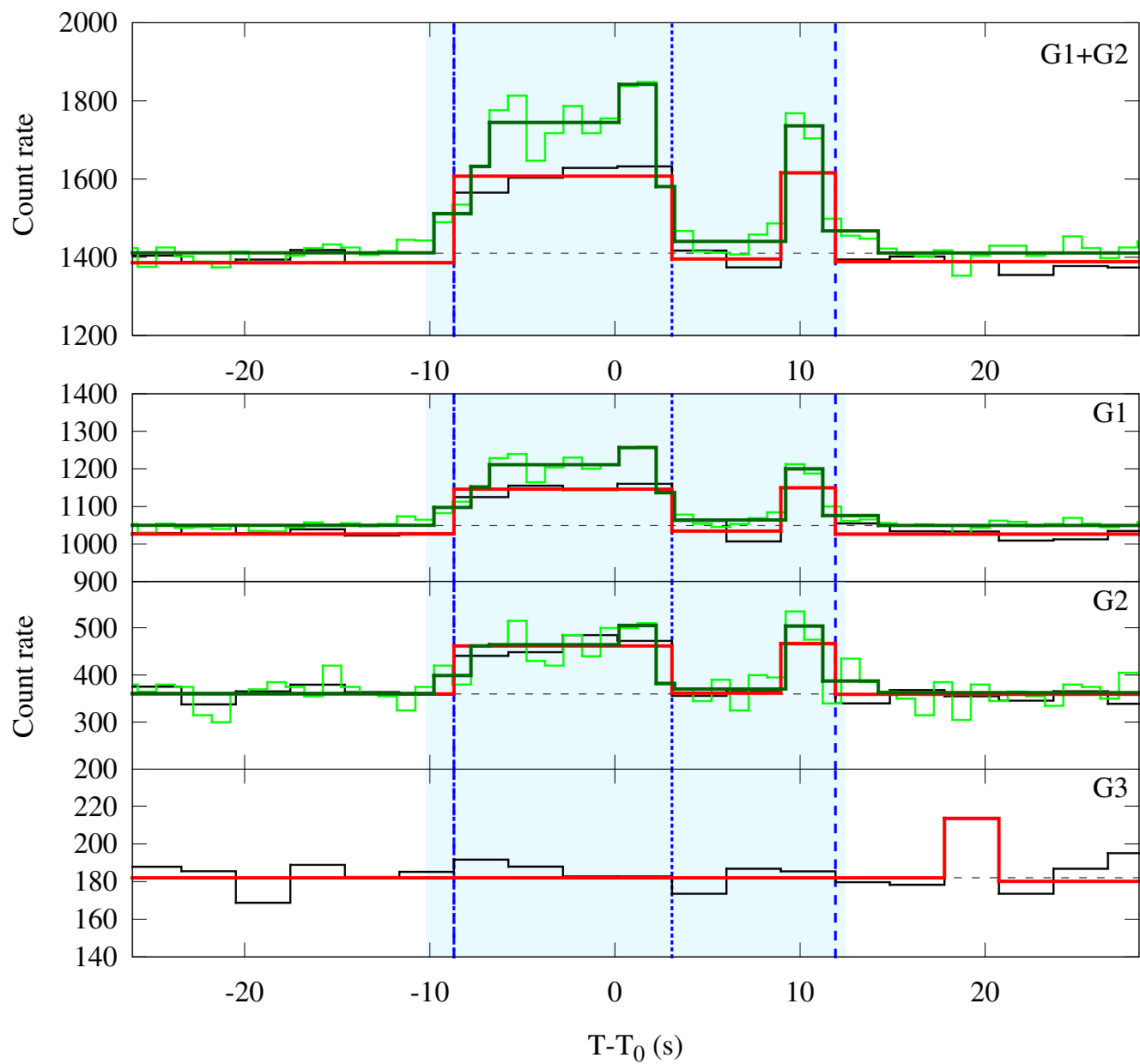
Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$-1.963\ldots27.477$	**CPL**	$\mathbf{-1.08^{+0.19}_{-0.15}}$	$\ldots$	$\mathbf{177^{+90}_{-47}}$	$\mathbf{0.84^{+0.23}_{-0.15}}$	$\mathbf{74.6/59(0.083)}$
Peak	$-1.963\ldots3.925$	**GRBM**	$\mathbf{-0.57^{+0.25}_{-0.18}}$	$\mathbf{-3.11^{+1.02}_{-6.89}}$	$\mathbf{157^{+35}_{-32}}$	$\mathbf{2.44^{+0.81}_{-0.38}}$	$\mathbf{55.3/58(0.58)}$
		CPL	$-0.59^{+0.19}_{-0.17}$	$\ldots$	162^{+40}_{-27}	$2.25^{+0.42}_{-0.30}$	$55.4/59(0.61)$

GRB 060906 $T_0 = 30766.57308$ s S2 (z=3.6856)

GRB 060906

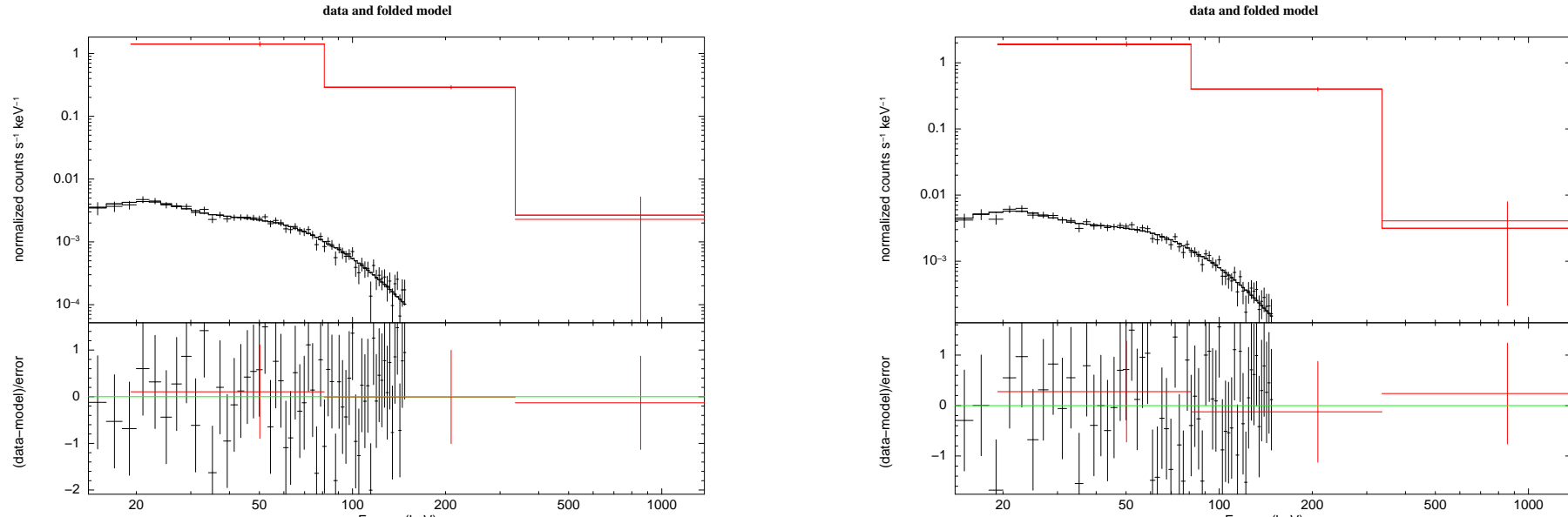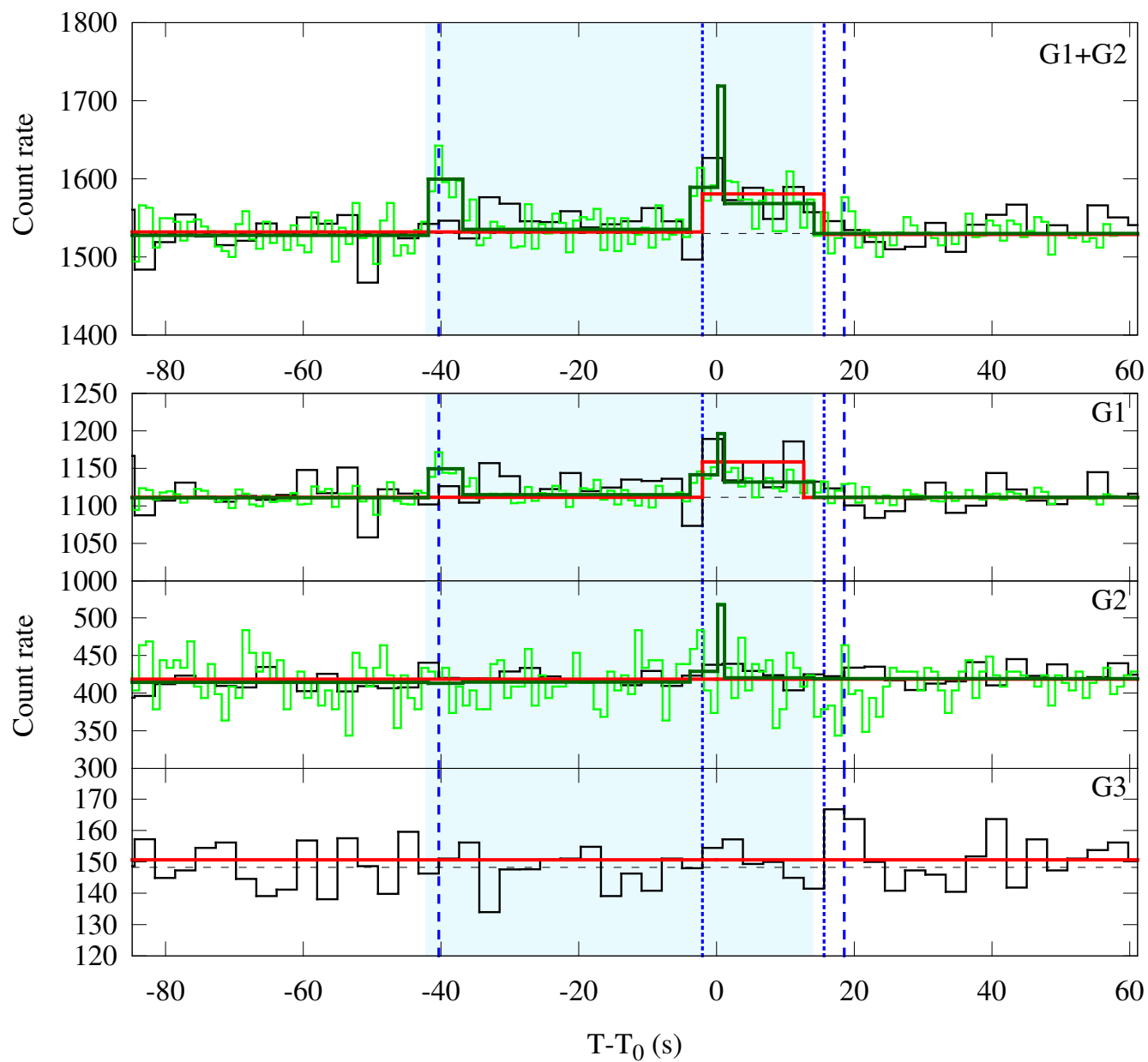Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_p (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-45.671\ldots7.321$	**CPL**	$-1.46^{+0.25}_{-0.23}$	$\ldots$	44^{+6}_{-7}	$0.75^{+0.07}_{-0.05}$	$49.8/59(0.8)$
Peak	$-45.671\ldots-13.287$	**GRBM**	$-0.64^{+1.61}_{-0.71}$	$-2.36^{+0.16}_{-0.32}$	38^{+8}_{-8}	$1.26^{+0.16}_{-0.16}$	$55.1/58(0.58)$
		CPL	$-1.36^{+0.27}_{-0.26}$	$\ldots$	47^{+5}_{-6}	$0.97^{+0.09}_{-0.07}$	$57.4/59(0.53)$

GRB 060908 T_0 = 32242.34494 s S1 (z=1.8836)

GRB 060908

Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.
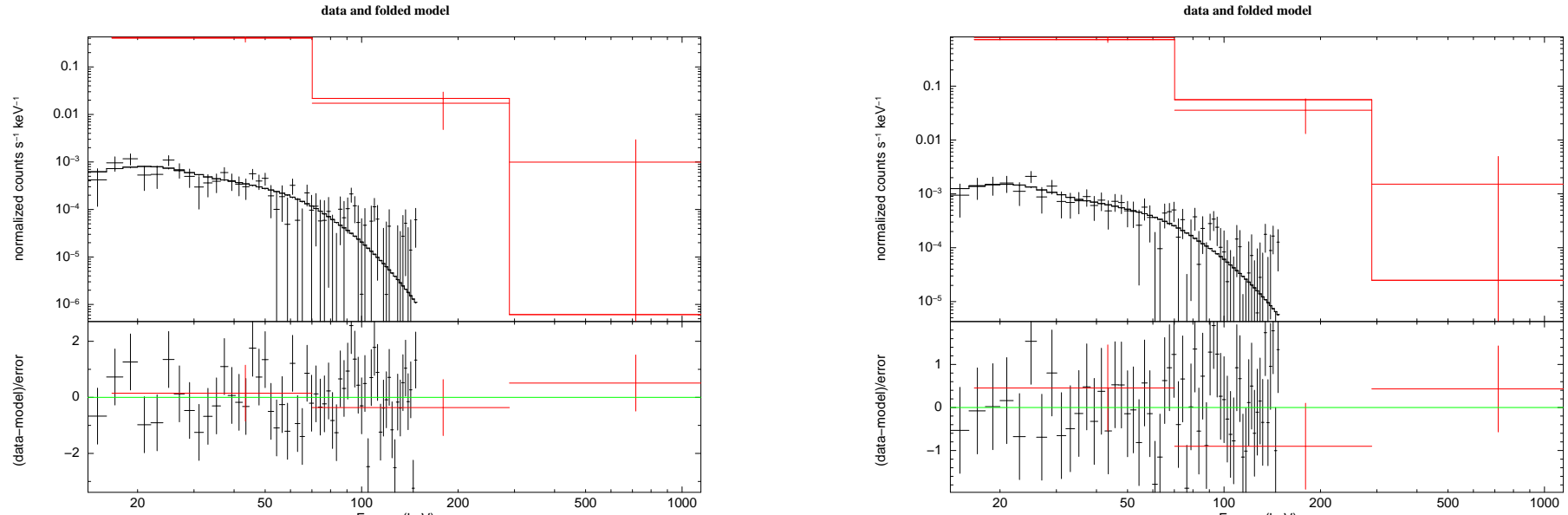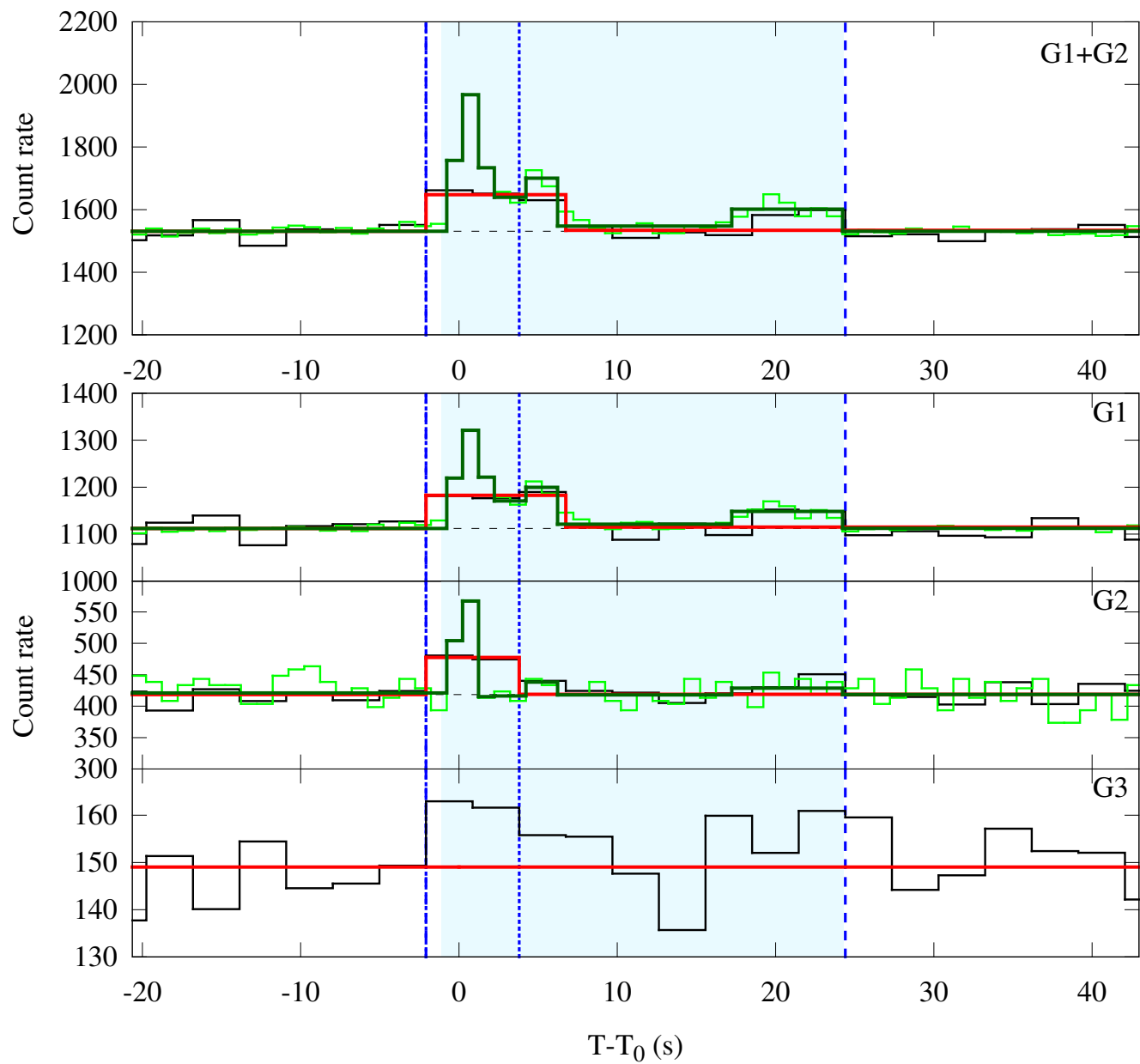
Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-8.699\ldots11.909$	**CPL**	$\mathbf{-0.79^{+0.11}_{-0.10}}$	$\ldots$	$\mathbf{139^{+16}_{-13}}$	$\mathbf{2.76^{+0.21}_{-0.18}}$	$\mathbf{41.8/59(0.96)}$
Peak	$-8.699\ldots3.077$	**CPL**	$\mathbf{-0.66^{+0.11}_{-0.11}}$	$\ldots$	$\mathbf{137^{+14}_{-11}}$	$\mathbf{3.70^{+0.27}_{-0.23}}$	$\mathbf{43.6/59(0.93)}$

GRB 060923A $T_0 = 18735.37036$ s S2 (z=2.6)

GRB 060923A

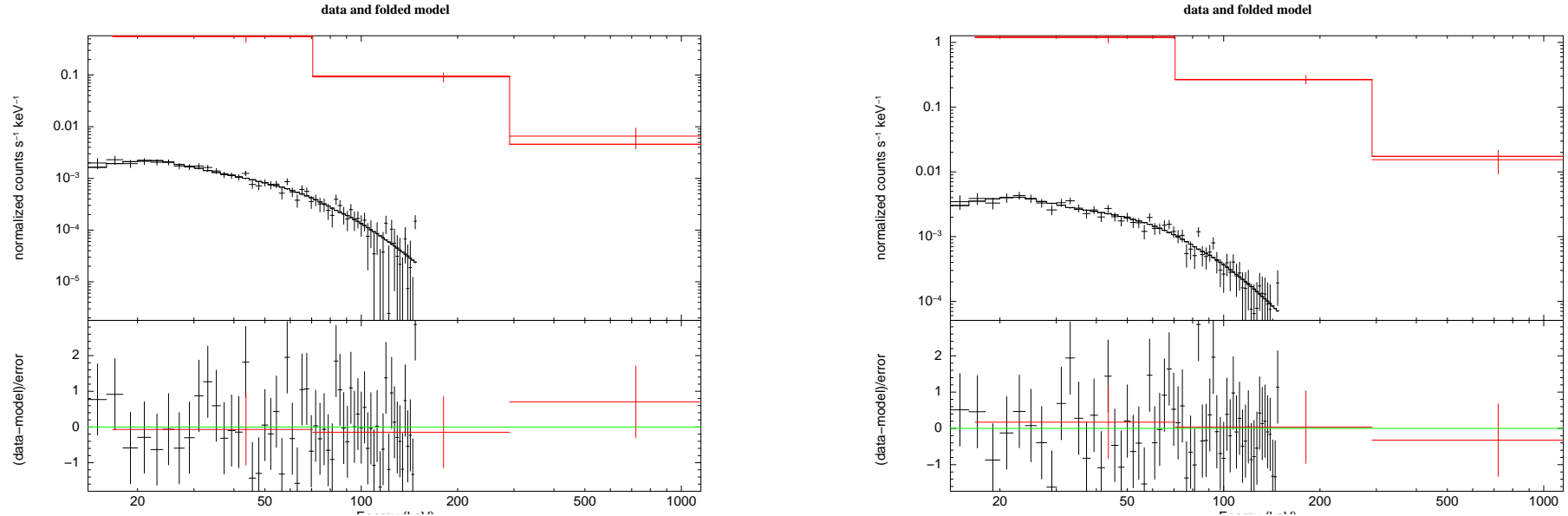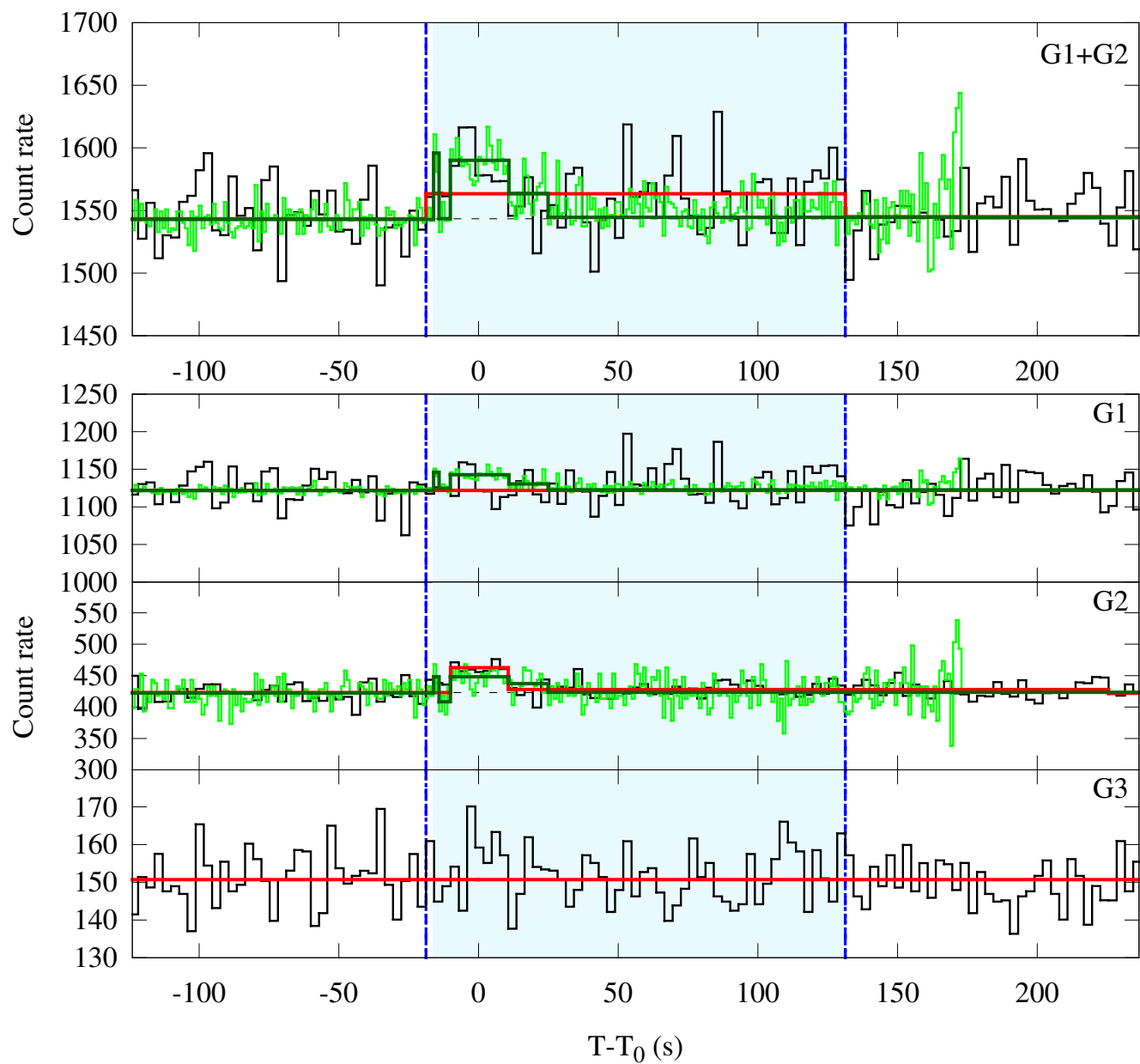Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	$\chi^2/$dof (Prob.)
Time-integrated	$-40.323\ldots18.557$	**CPL**	$-0.11^{+0.86}_{-0.71}$	...	47^{+6}_{-5}	$0.19^{+0.02}_{-0.02}$	$70.9/59(0.14)$
Peak	$-2.051\ldots15.613$	**CPL**	$-0.68^{+0.66}_{-0.56}$	...	54^{+11}_{-7}	$0.39^{+0.06}_{-0.05}$	$45.9/59(0.89)$

GRB 060927 $T_0 = 50855.29734$ s S2 (z=5.4636)

GRB 060927

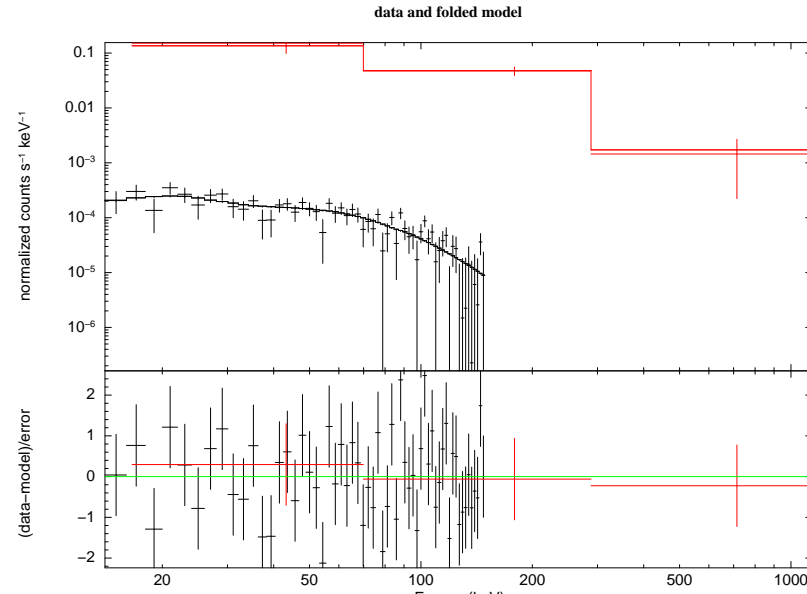Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_p (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-2.085\ldots24.411$	**GRBM**	$\mathbf{0.71^{+1.07}_{-0.76}}$	$\mathbf{-1.96^{+0.09}_{-0.11}}$	$\mathbf{42^{+7}_{-5}}$	$\mathbf{1.08^{+0.14}_{-0.13}}$	$\mathbf{53.4/58(0.65)}$
		CPL	$-0.87^{+0.22}_{-0.22}$	$\ldots$	71^{+10}_{-7}	$0.60^{+0.06}_{-0.04}$	$64.4/59(0.29)$
Peak	$-2.085\ldots3.803$	**GRBM**	$\mathbf{0.20^{+0.99}_{-0.88}}$	$\mathbf{-1.75^{+0.10}_{-0.30}}$	$\mathbf{58^{+37}_{-12}}$	$\mathbf{3.35^{+0.49}_{-0.82}}$	$\mathbf{48.8/58(0.8)}$
		CPL	$-0.69^{+0.22}_{-0.22}$	$\ldots$	98^{+20}_{-12}	$1.69^{+0.24}_{-0.16}$	$54.8/59(0.63)$

GRB 061110B $T_0 = 79125.54126$ s S2 (z=3.4344)

GRB 061110B

data and folded model

Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$-18.822\ldots131.322$	**CPL**	$\mathbf{-0.71^{+0.22}_{-0.18}}$	...	$\mathbf{237^{+97}_{-63}}$	$\mathbf{0.36^{+0.10}_{-0.08}}$	$\mathbf{59.1/59(0.47)}$

GRB 070110 T_0 = 26561.57446 s S1 (z=2.3521)
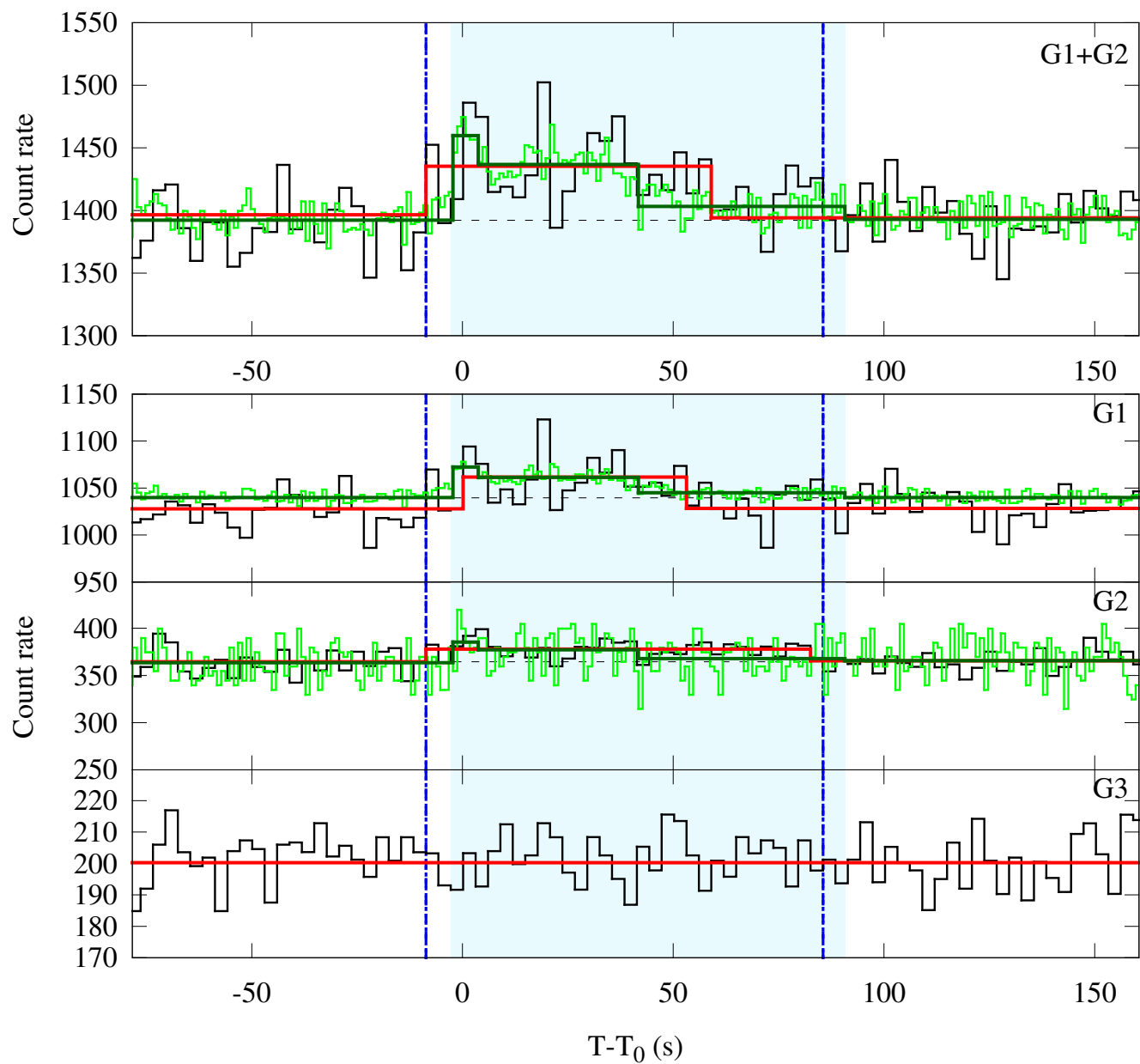
GRB 070110
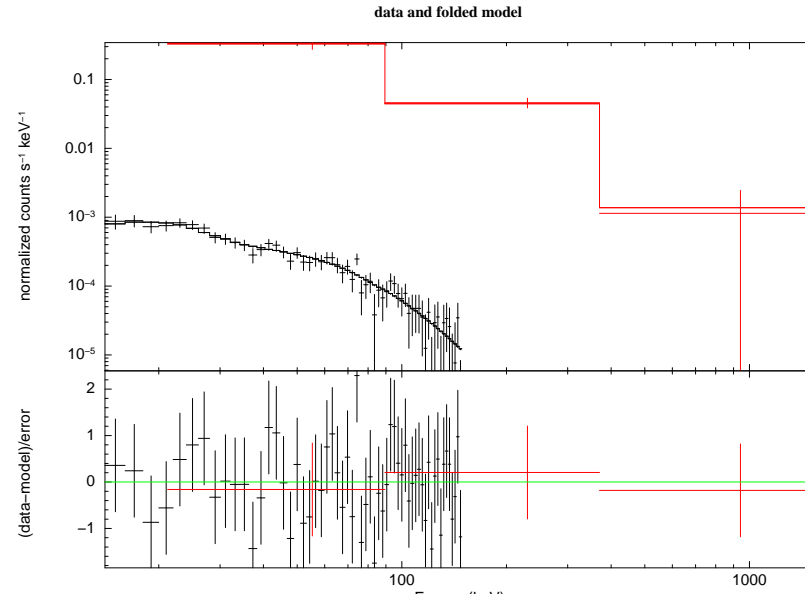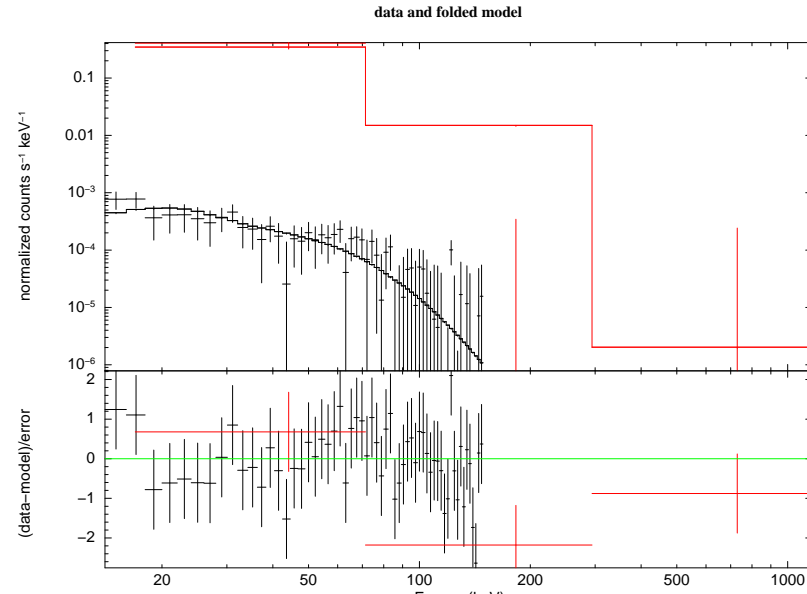

Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	$\chi^2/$dof (Prob.)
Time-integrated	$-8.673\ldots85.534$	**CPL**	$-1.45^{+0.14}_{-0.11}$	$\ldots$	302^{+563}_{-135}	$0.55^{+0.17}_{-0.13}$	$36.8/59(0.99)$

GRB 070208 $T_0 = 33034.28126$ s S2 (z=1.165)
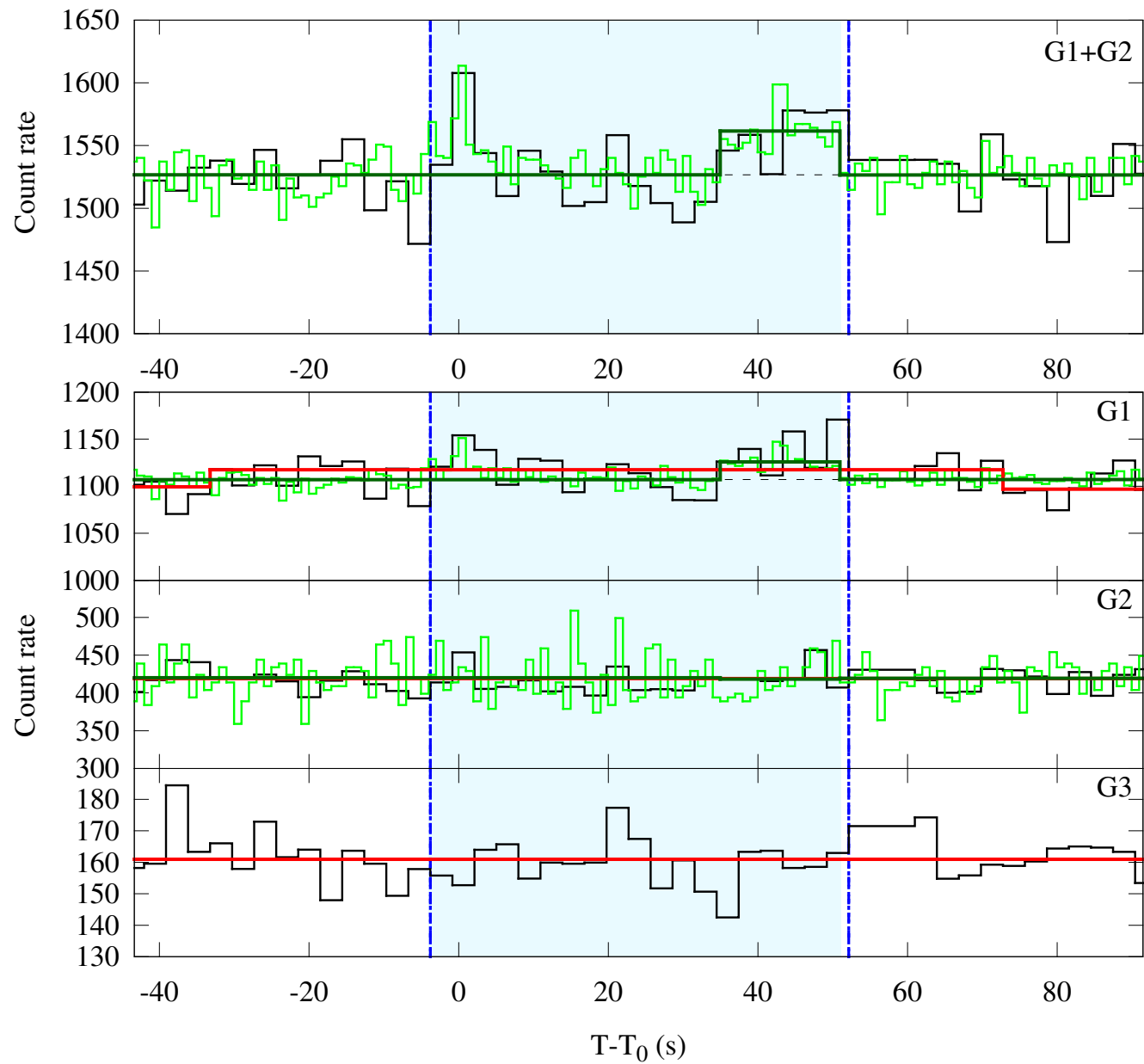
GRB 070208
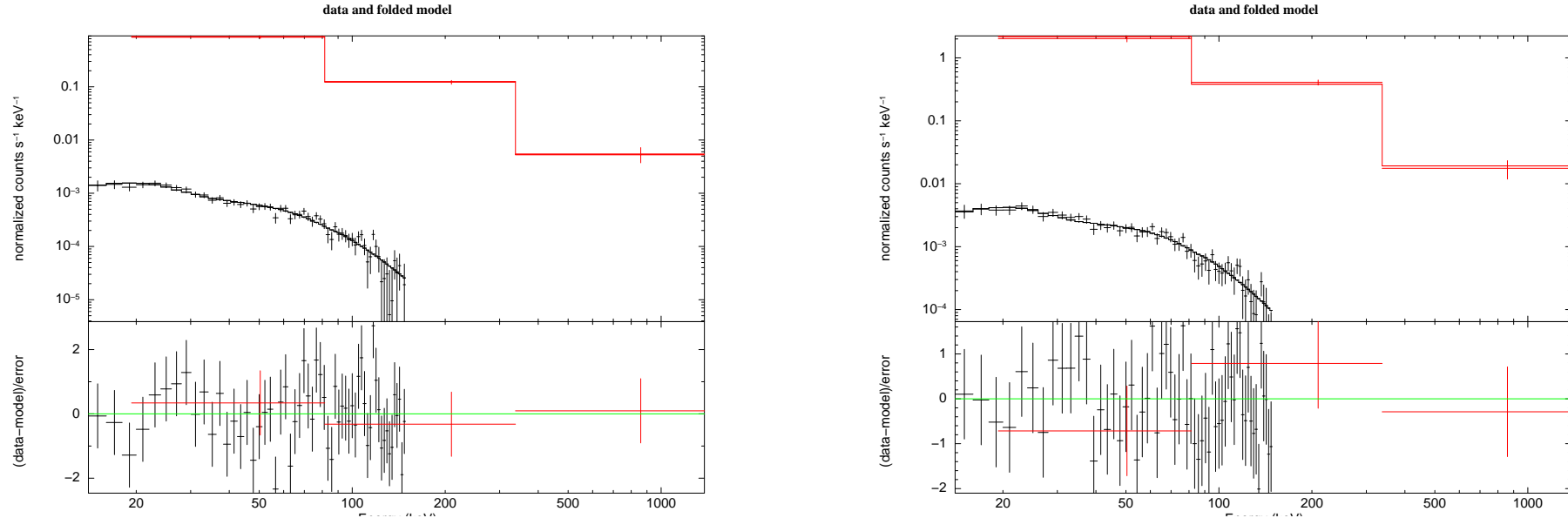

Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-3.787\ldots52.149$	**CPL**	$\mathbf{-0.74^{+0.84}_{-0.75}}$	...	$\mathbf{43^{+9}_{-11}}$	$\mathbf{0.13^{+0.02}_{-0.02}}$	$\mathbf{47.1/59(0.87)}$

GRB 070318 T_0 = 26936.08864 s S1 (z=0.8397)
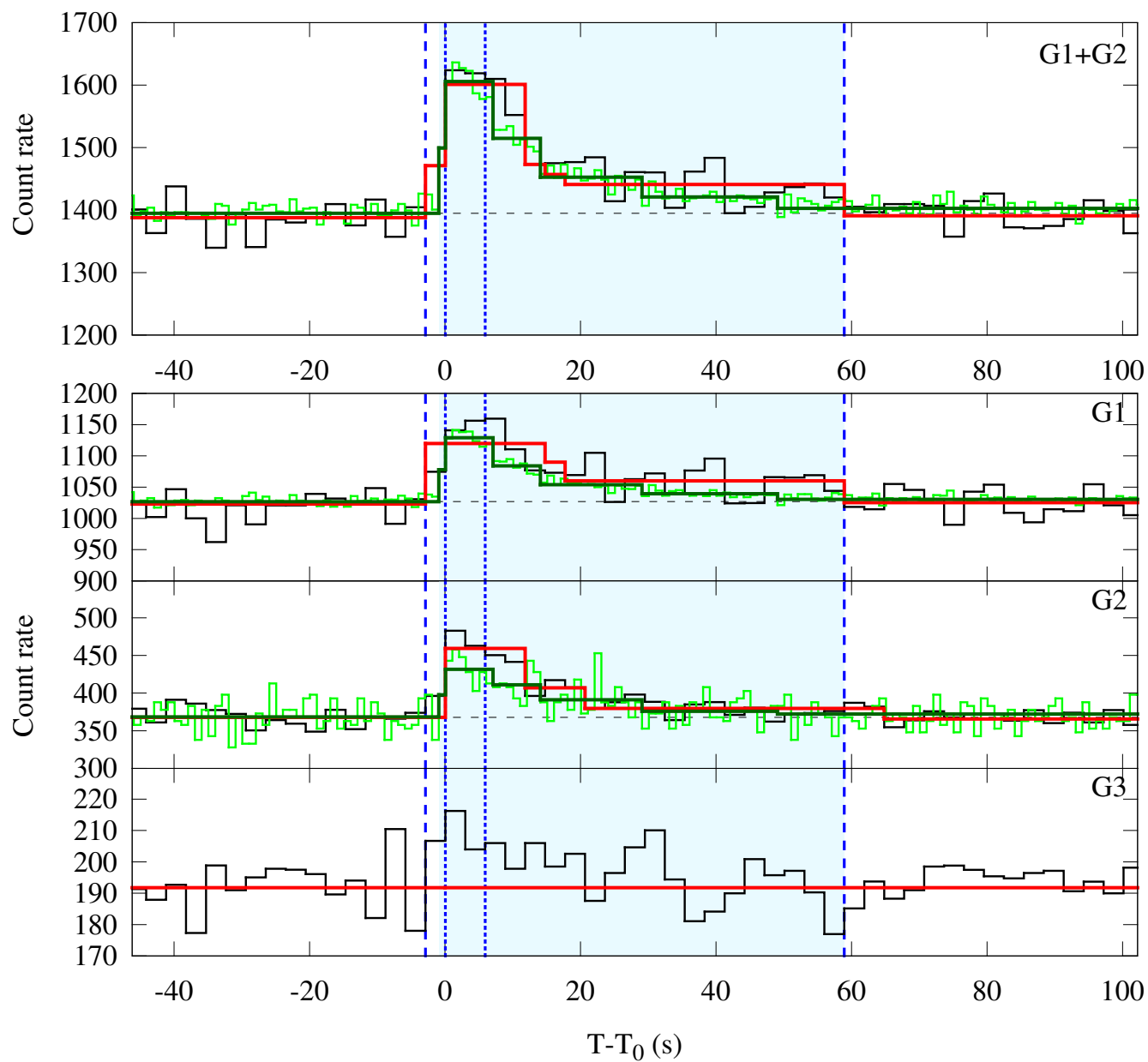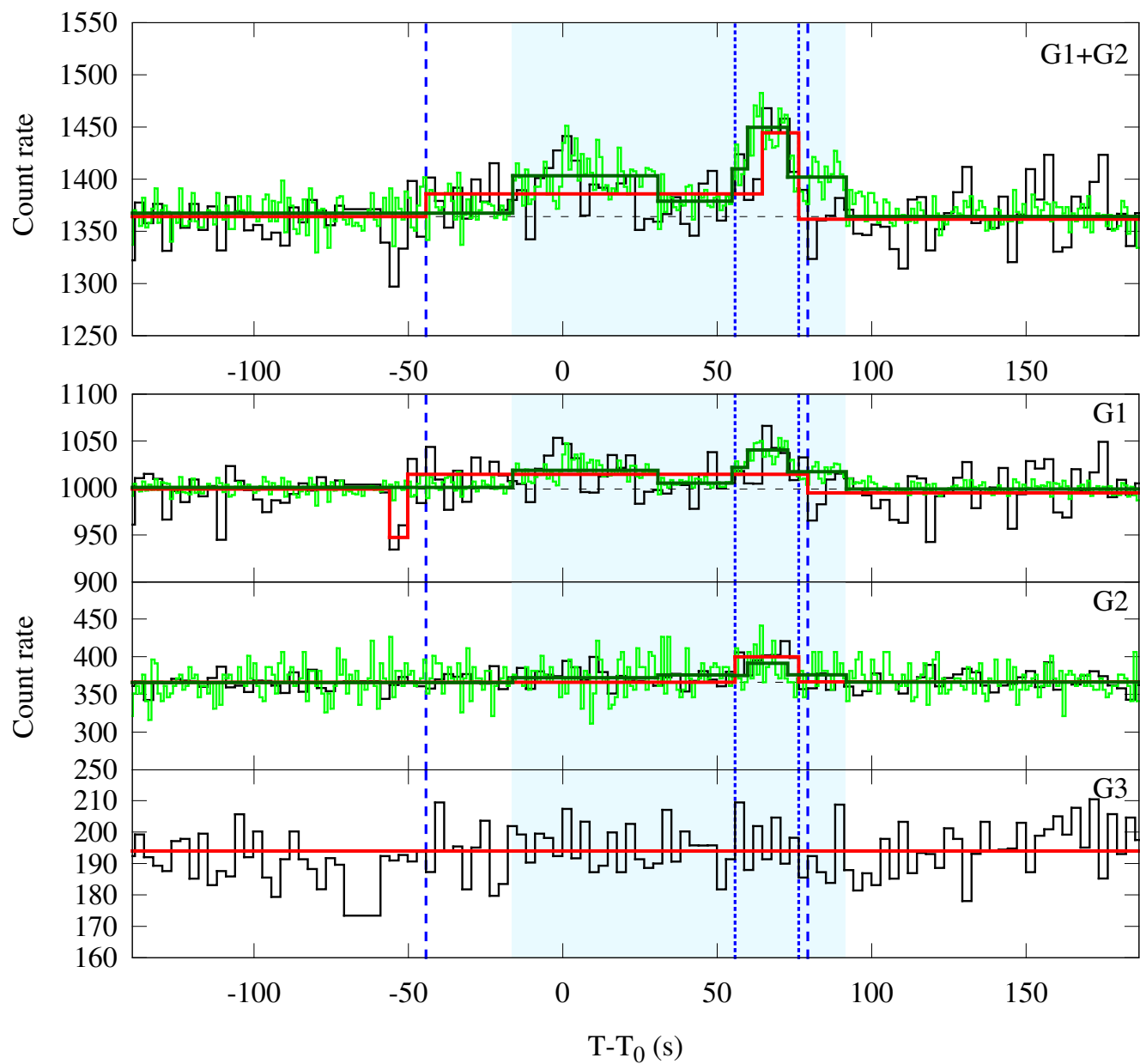
GRB 070318

Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.
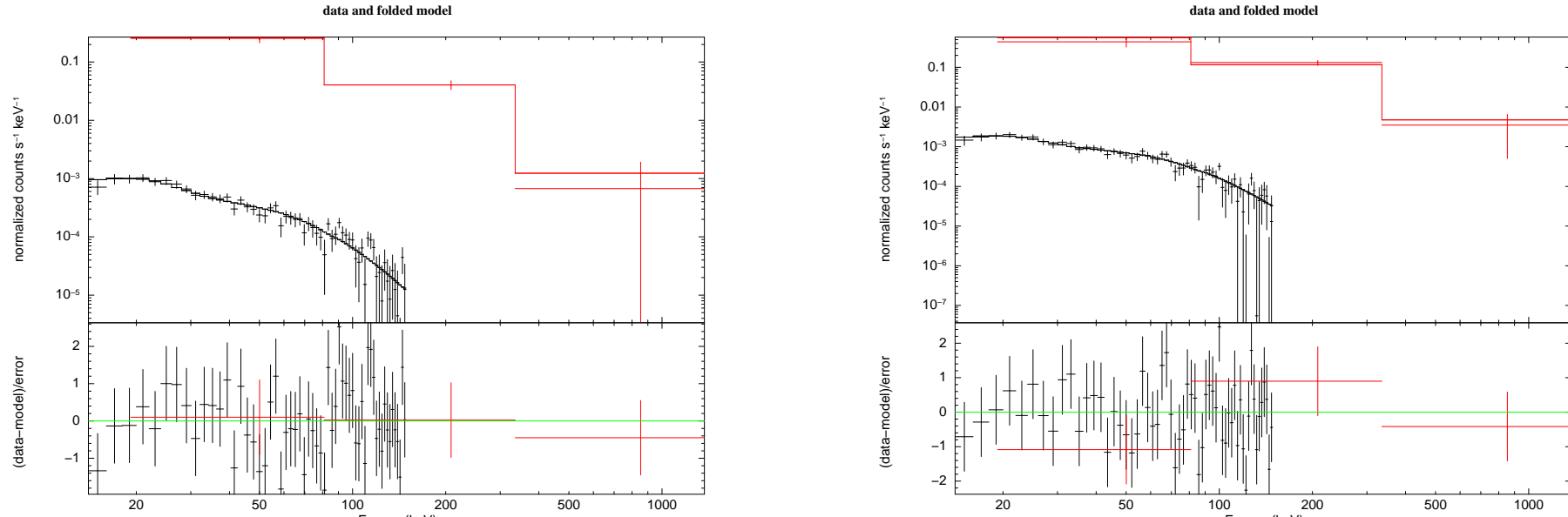
Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_p (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$-2.895\ldots58.929$	**GRBM**	$\mathbf{-1.26^{+0.14}_{-0.12}}$	$\mathbf{-1.99^{+0.22}_{-0.83}}$	$\mathbf{210^{+134}_{-63}}$	$\mathbf{1.39^{+0.20}_{-0.21}}$	$\mathbf{54.8/58(0.6)}$
		CPL	$-1.34^{+0.09}_{-0.07}$	$\ldots$	319^{+169}_{-93}	$1.30^{+0.22}_{-0.20}$	$55.5/59(0.61)$
Peak	$0.049\ldots5.937$	**GRBM**	$\mathbf{-0.93^{+0.22}_{-0.19}}$	$\mathbf{-1.84^{+0.18}_{-0.63}}$	$\mathbf{176^{+127}_{-54}}$	$\mathbf{4.45^{+0.69}_{-0.74}}$	$\mathbf{46.0/58(0.87)}$
		CPL	$-1.12^{+0.10}_{-0.08}$	$\ldots$	339^{+142}_{-91}	$3.97^{+0.74}_{-0.66}$	$47.2/59(0.87)$

GRB 070411 $T_0 = 72753.31608$ s S1 (z=2.9538)
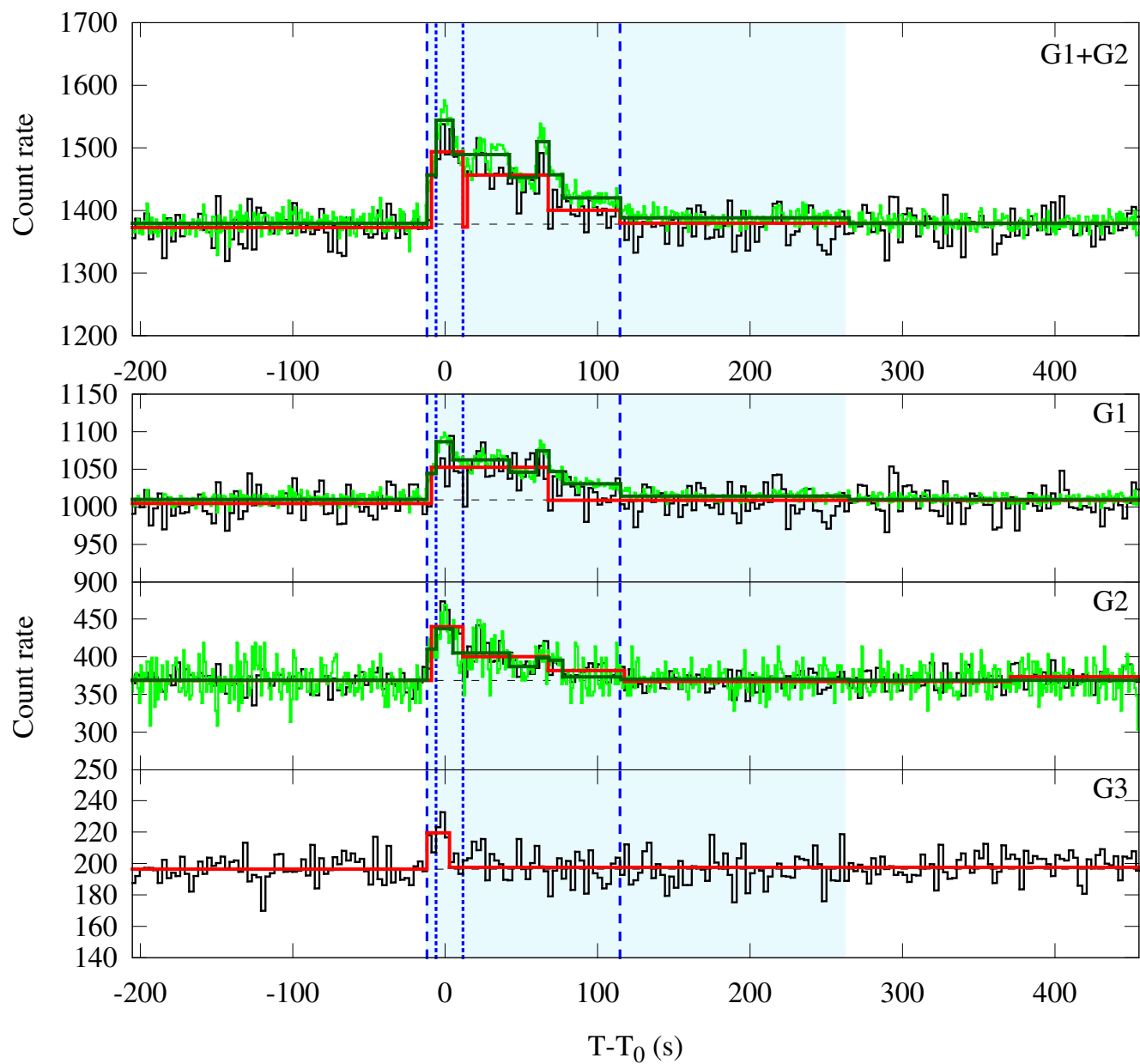
GRB 070411

Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.
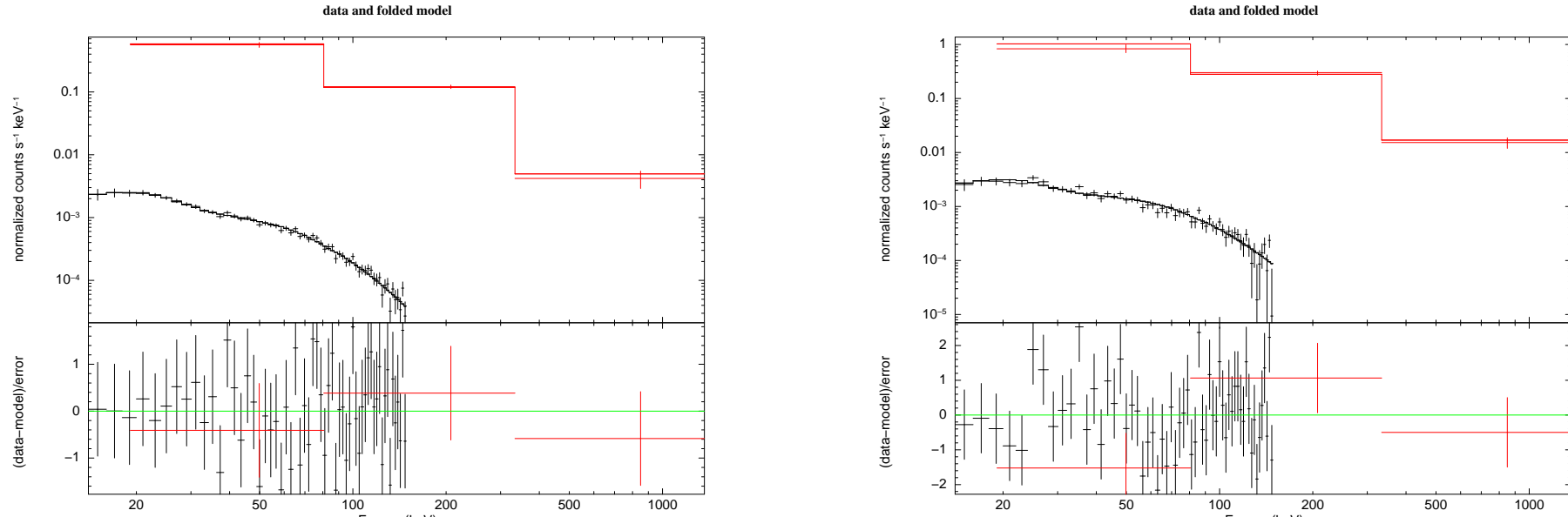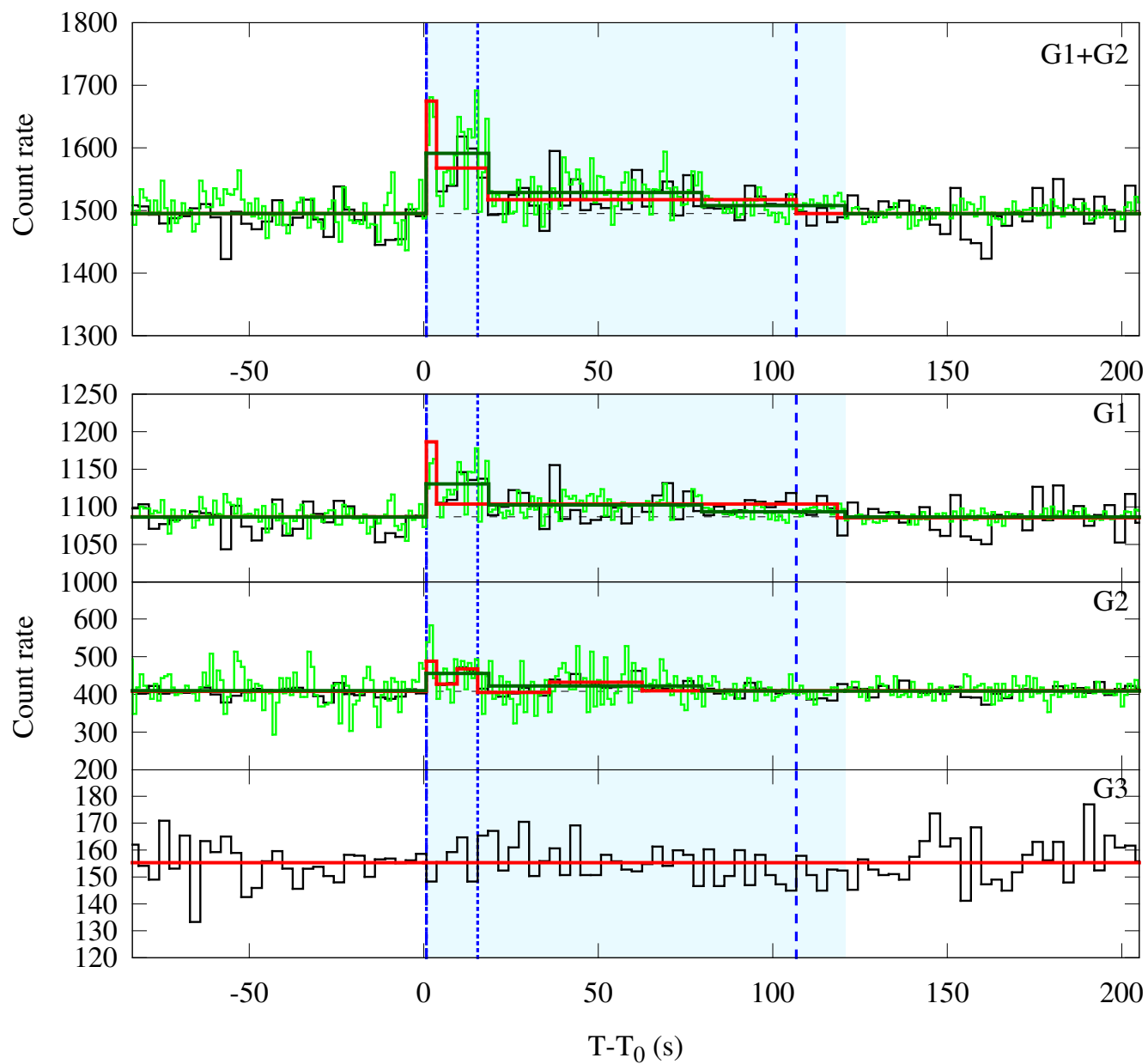
Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_p (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-44.326\ldots79.322$	**CPL**	$\mathbf{-1.53^{+0.13}_{-0.10}}$	$\ldots$	$\mathbf{236^{+393}_{-96}}$	$\mathbf{0.48^{+0.14}_{-0.10}}$	$\mathbf{53.9/59(0.66)}$
Peak	$55.77\ldots76.378$	**CPL**	$\mathbf{-1.31^{+0.12}_{-0.10}}$	$\ldots$	$\mathbf{349^{+343}_{-135}}$	$\mathbf{1.44^{+0.39}_{-0.32}}$	$\mathbf{51.6/59(0.74)}$

GRB 070419B T_0 = 38645.97182 s S1 (z=1.9588)

GRB 070419B

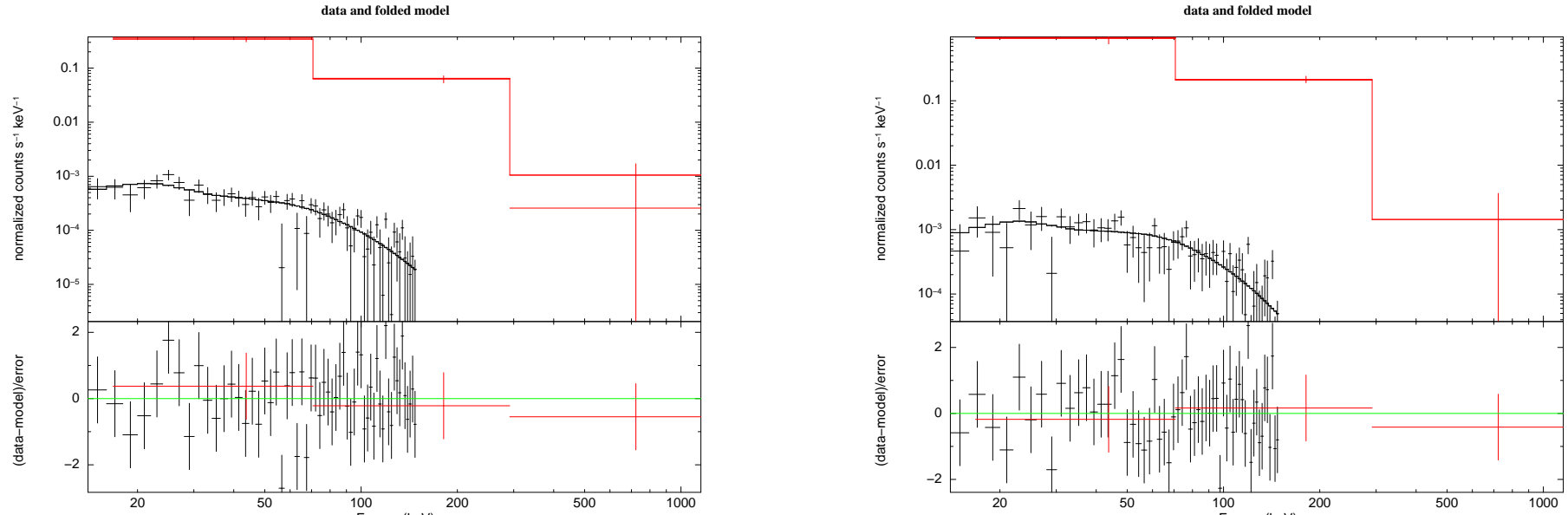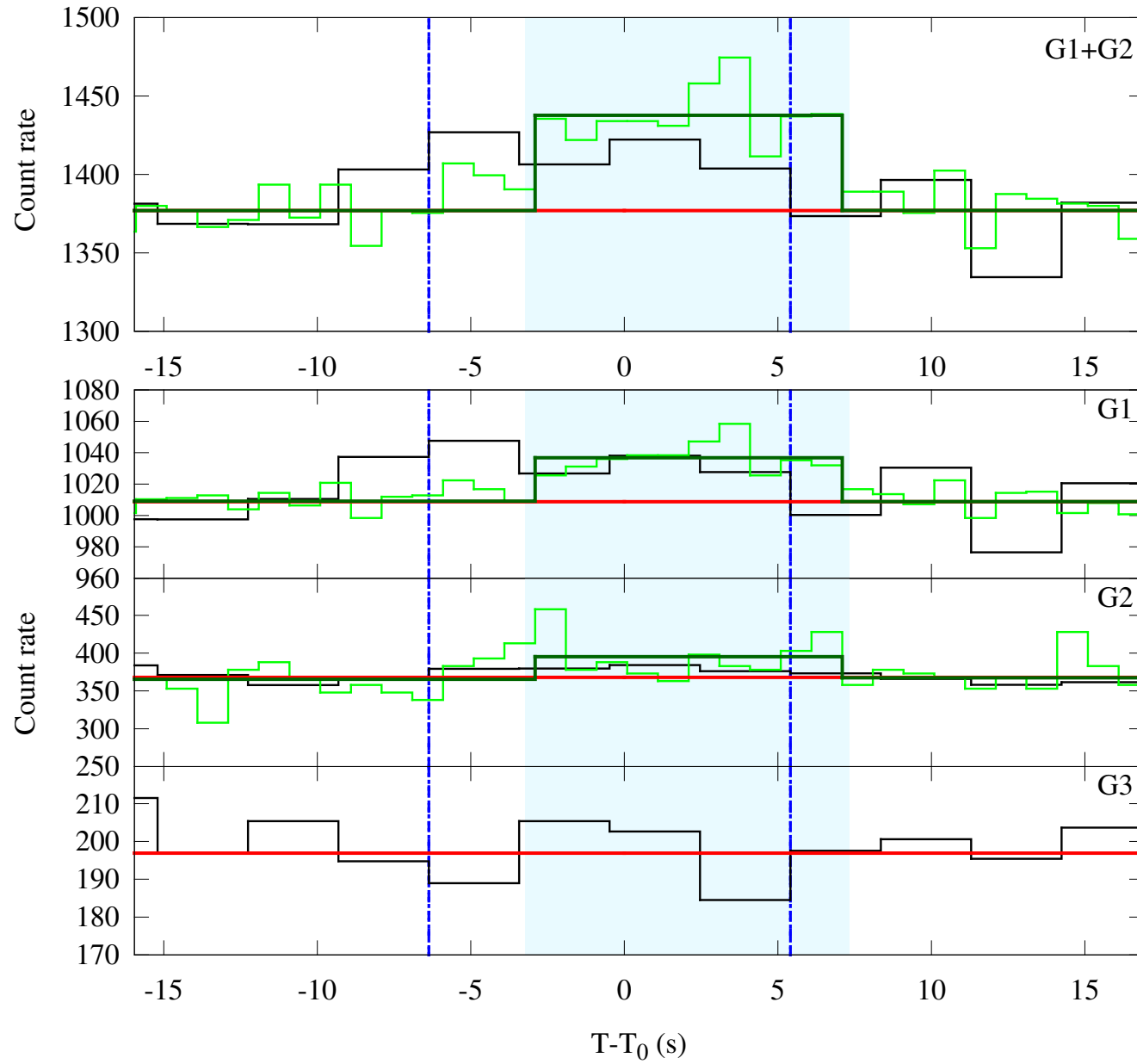Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-11.897\ldots114.695$	**CPL**	$\mathbf{-1.44^{+0.05}_{-0.04}}$	...	$\mathbf{347^{+129}_{-80}}$	$\mathbf{1.63^{+0.17}_{-0.16}}$	$\mathbf{46.2/59(0.89)}$
Peak	$-6.009\ldots11.655$	**CPL**	$\mathbf{-1.21^{+0.06}_{-0.06}}$	...	$\mathbf{546^{+200}_{-127}}$	$\mathbf{4.37^{+0.50}_{-0.49}}$	$\mathbf{67.5/59(0.21)}$

GRB 070529 $T_0 = 46108.34922$ s S2 (z=2.4996)

GRB 070529

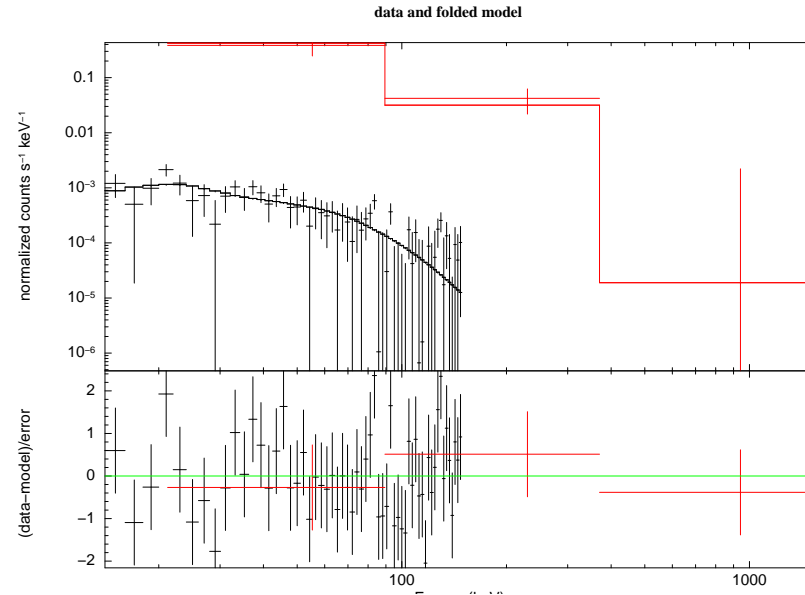Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F $(10^{-7} \text{ erg cm}^{-2} \text{ s}^{-1})$	χ^2/dof (Prob.)
Time-integrated	$0.742\ldots106.726$	**CPL**	$-0.93^{+0.27}_{-0.22}$	$\ldots$	147^{+55}_{-32}	$0.36^{+0.08}_{-0.06}$	$51.2/59(0.76)$
Peak	$0.742\ldots15.462$	**CPL**	$-0.29^{+0.46}_{-0.36}$	$\ldots$	123^{+31}_{-20}	$1.01^{+0.18}_{-0.13}$	$51.8/59(0.74)$

GRB 070611 $T_0 = 7033.89018$ s S1 (z=2.0394)

GRB 070611

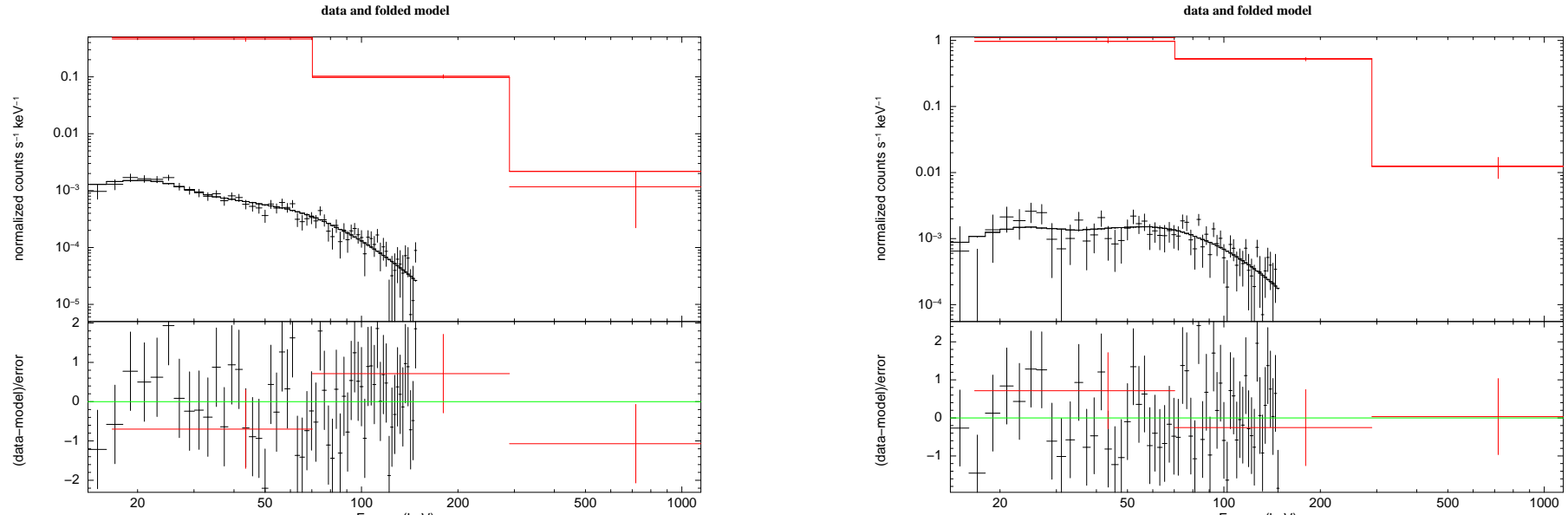Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-6.368\ldots5.408$	**CPL**	$\mathbf{-0.75^{+0.80}_{-0.60}}$	$\ldots$	$\mathbf{74^{+48}_{-16}}$	$\mathbf{0.38^{+0.15}_{-0.07}}$	$\mathbf{55.7/59(0.6)}$

GRB 070612A T_0 = 9525.98396 s S2 (z=0.617)
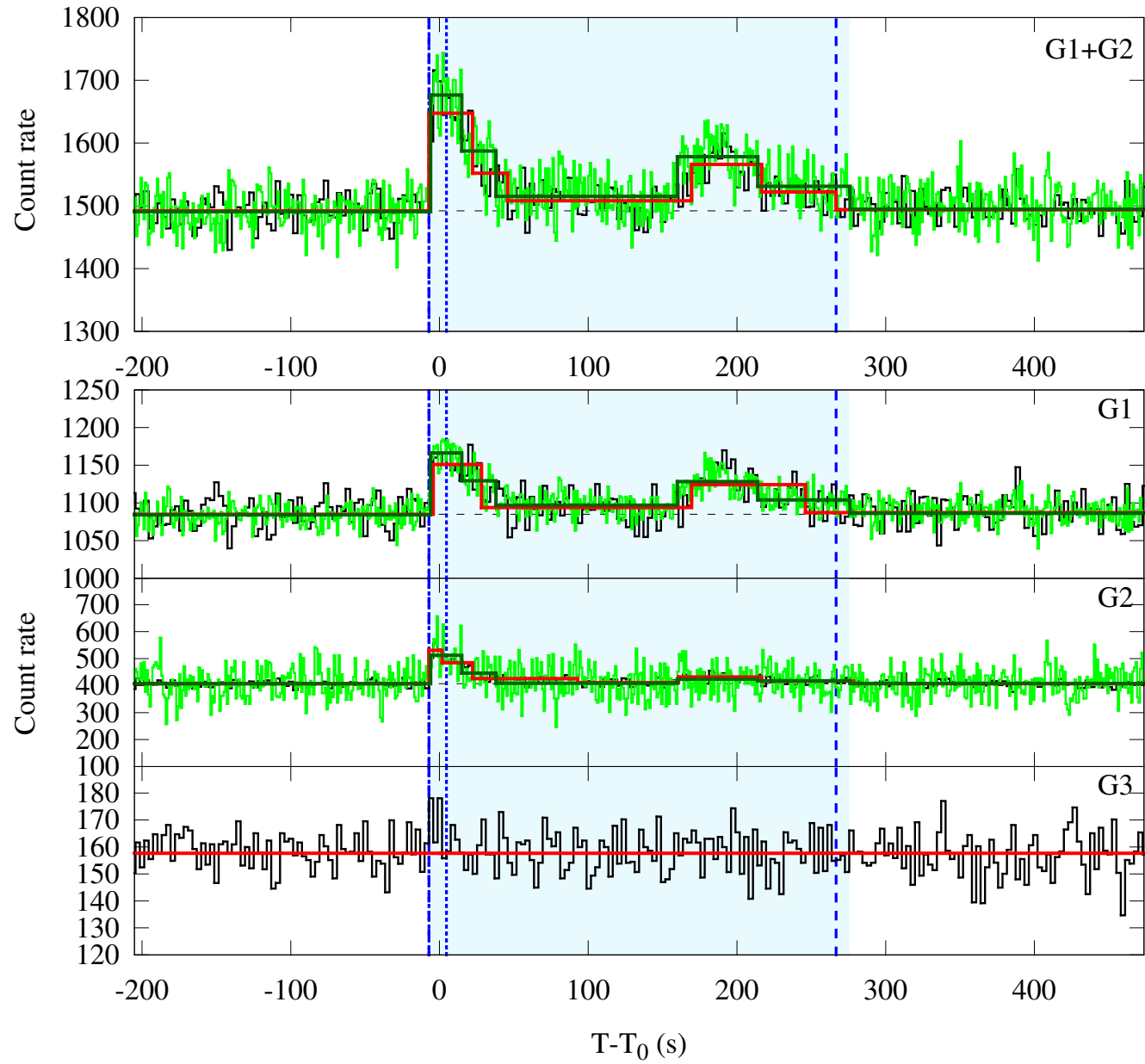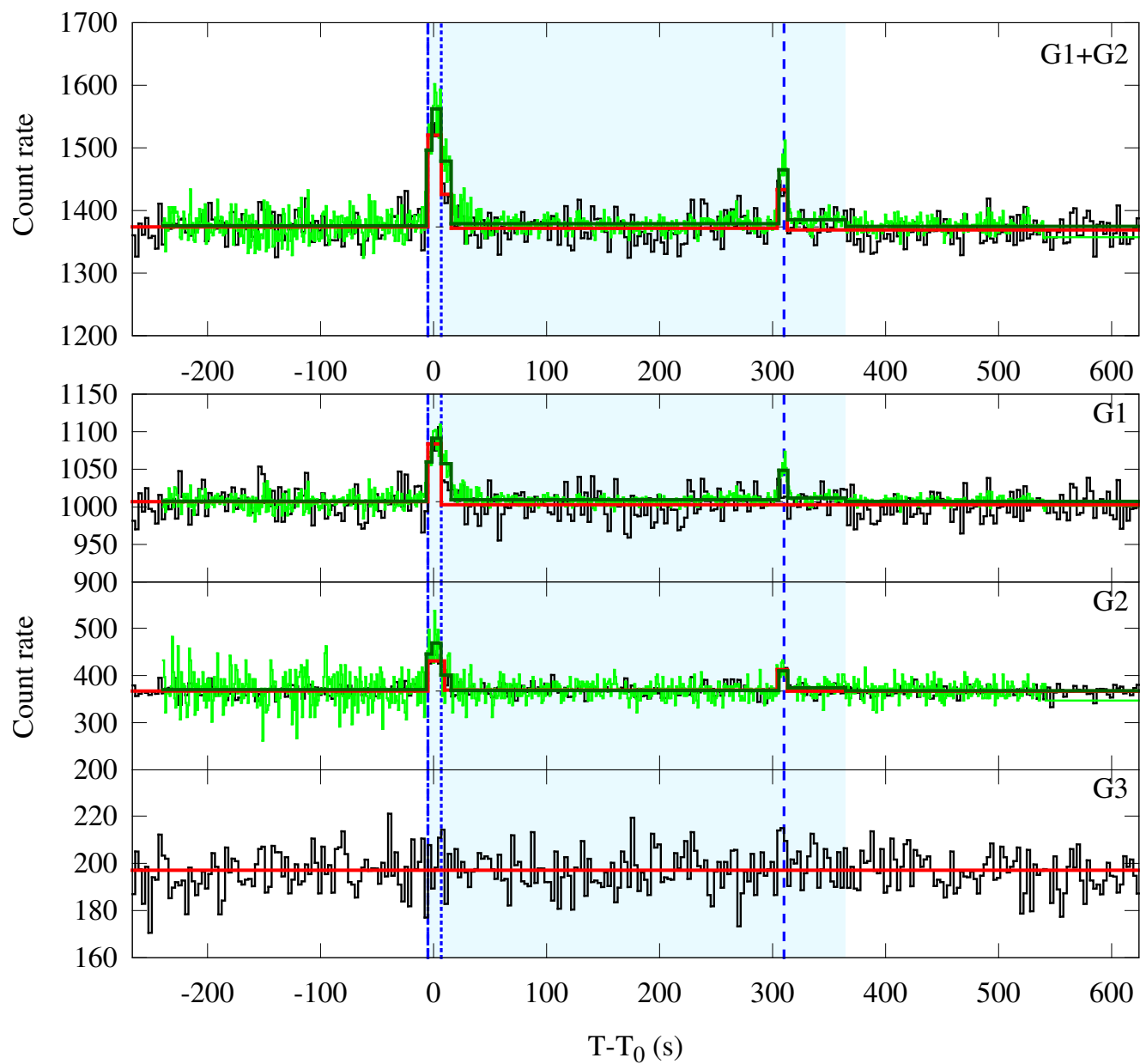
GRB 070612A

Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.
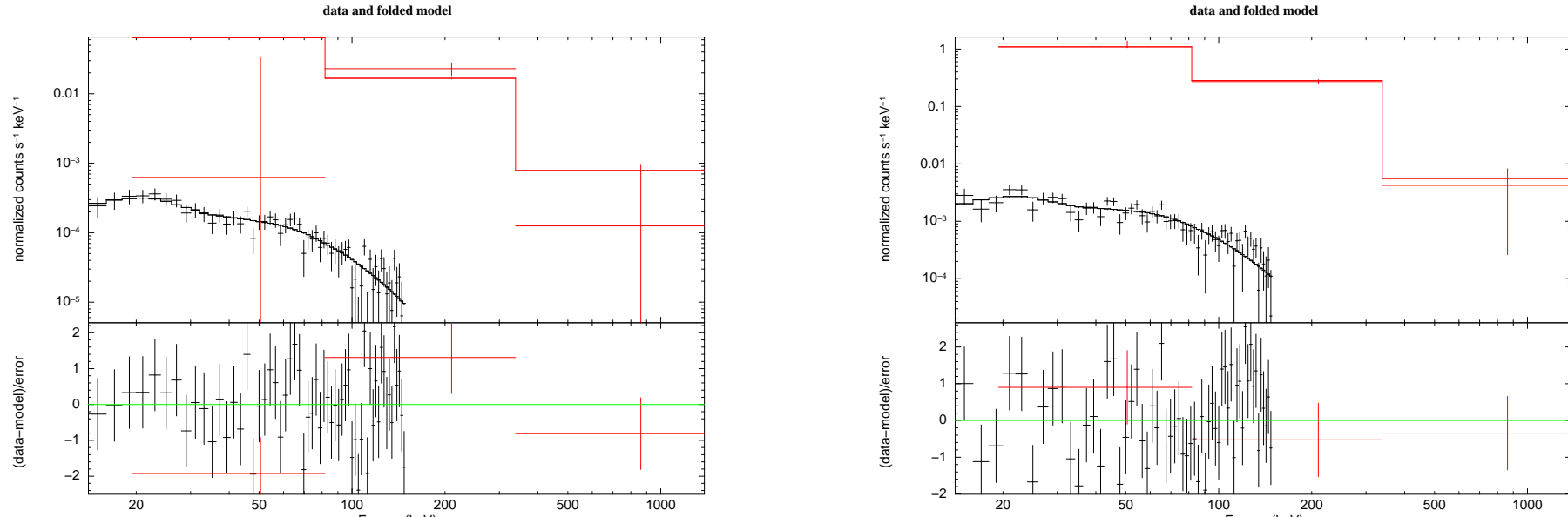
Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-7.117\ldots266.675$	**CPL**	$-1.32^{+0.11}_{-0.10}$	...	146^{+28}_{-21}	$0.78^{+0.07}_{-0.06}$	$56.5/59(0.57)$
Peak	$-7.117\ldots4.659$	**CPL**	$0.15^{+0.25}_{-0.21}$	...	199^{+22}_{-21}	$3.42^{+0.35}_{-0.33}$	$53.3/59(0.69)$

GRB 070721B $T_0 = 38026.31428$ s S1 (z=3.6298)

GRB 070721B

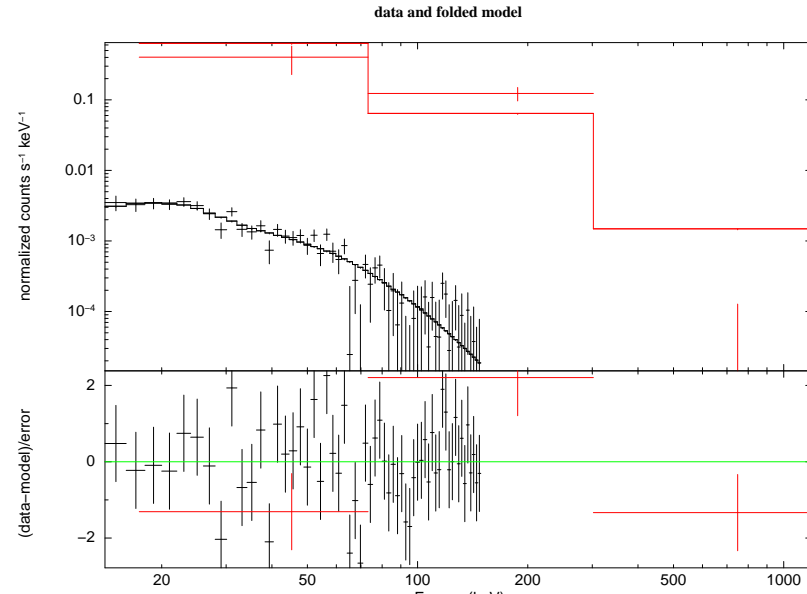Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-4.94\ldots310.068$	**CPL**	$\mathbf{-1.15^{+0.16}_{-0.12}}$	$\ldots$	$\mathbf{393^{+553}_{-176}}$	$\mathbf{0.23^{+0.10}_{-0.07}}$	$\mathbf{62.9/59(0.34)}$
Peak	$-4.94\ldots6.836$	**CPL**	$\mathbf{-0.78^{+0.16}_{-0.14}}$	$\ldots$	$\mathbf{205^{+46}_{-33}}$	$\mathbf{2.82^{+0.41}_{-0.34}}$	$\mathbf{72.7/59(0.11)}$

GRB 070810A T_0 = 7912.41498 s S2 (z=2.17)
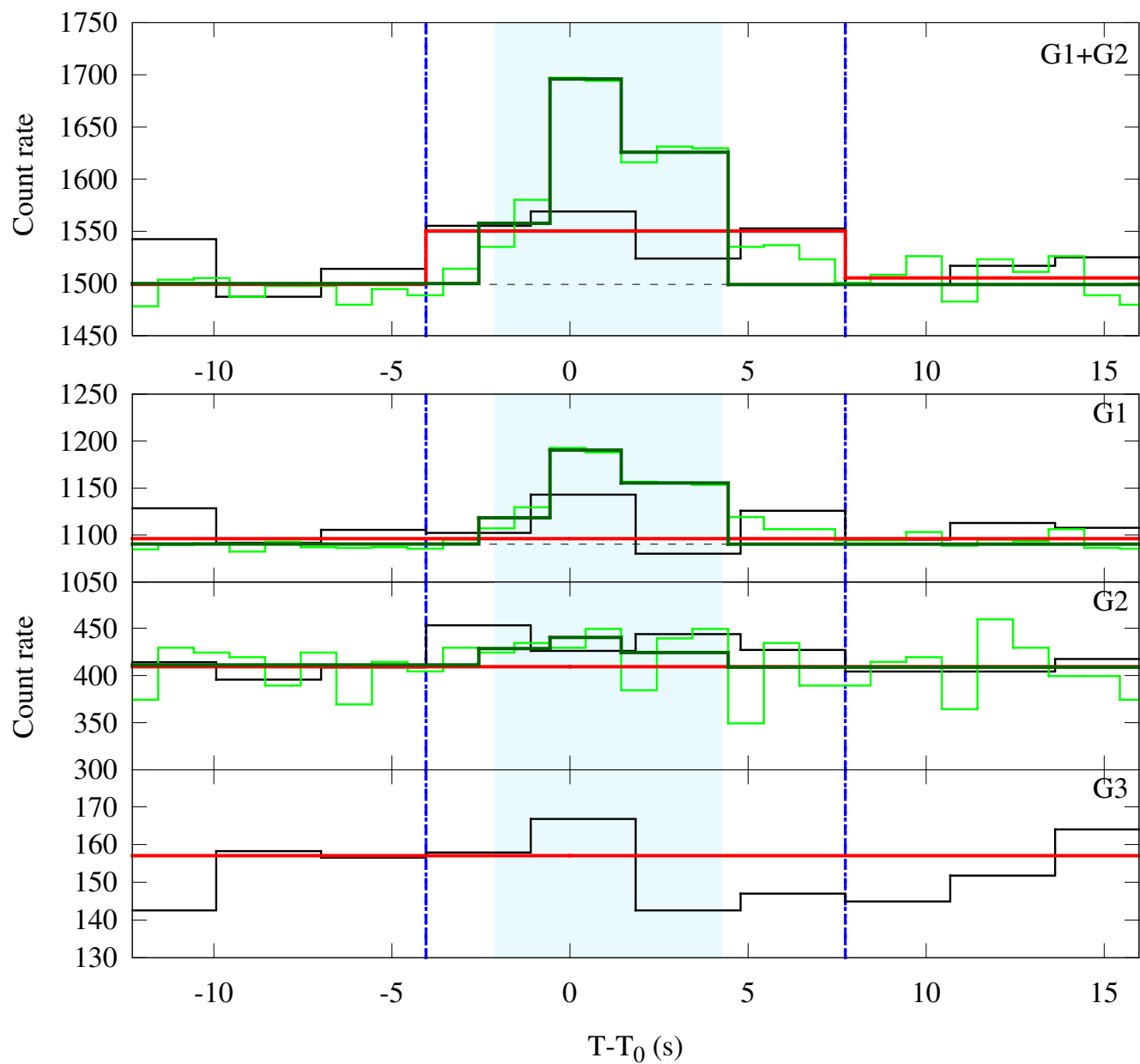
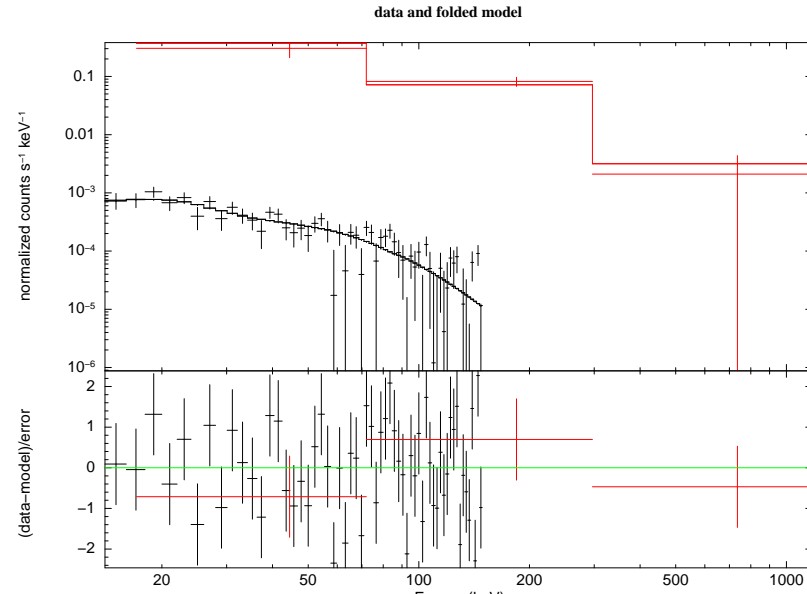# GRB 070810A

Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-4.044\ldots7.732$	**GRBM**	$\mathbf{-1.16^{+0.52}_{-0.42}}$	$\mathbf{-2.46^{+0.25}_{-0.42}}$	$\mathbf{41^{+5}_{-6}}$	$\mathbf{0.79^{+0.16}_{-0.13}}$	$\mathbf{69.1/58(0.15)}$
		CPL	$-1.54^{+0.37}_{-0.31}$	$\ldots$	44^{+11}_{-10}	$0.66^{+0.15}_{-0.08}$	$70.6/59(0.14)$

GRB 071021 $T_0 = 34893.69352$ s S2 (z=2.4520)
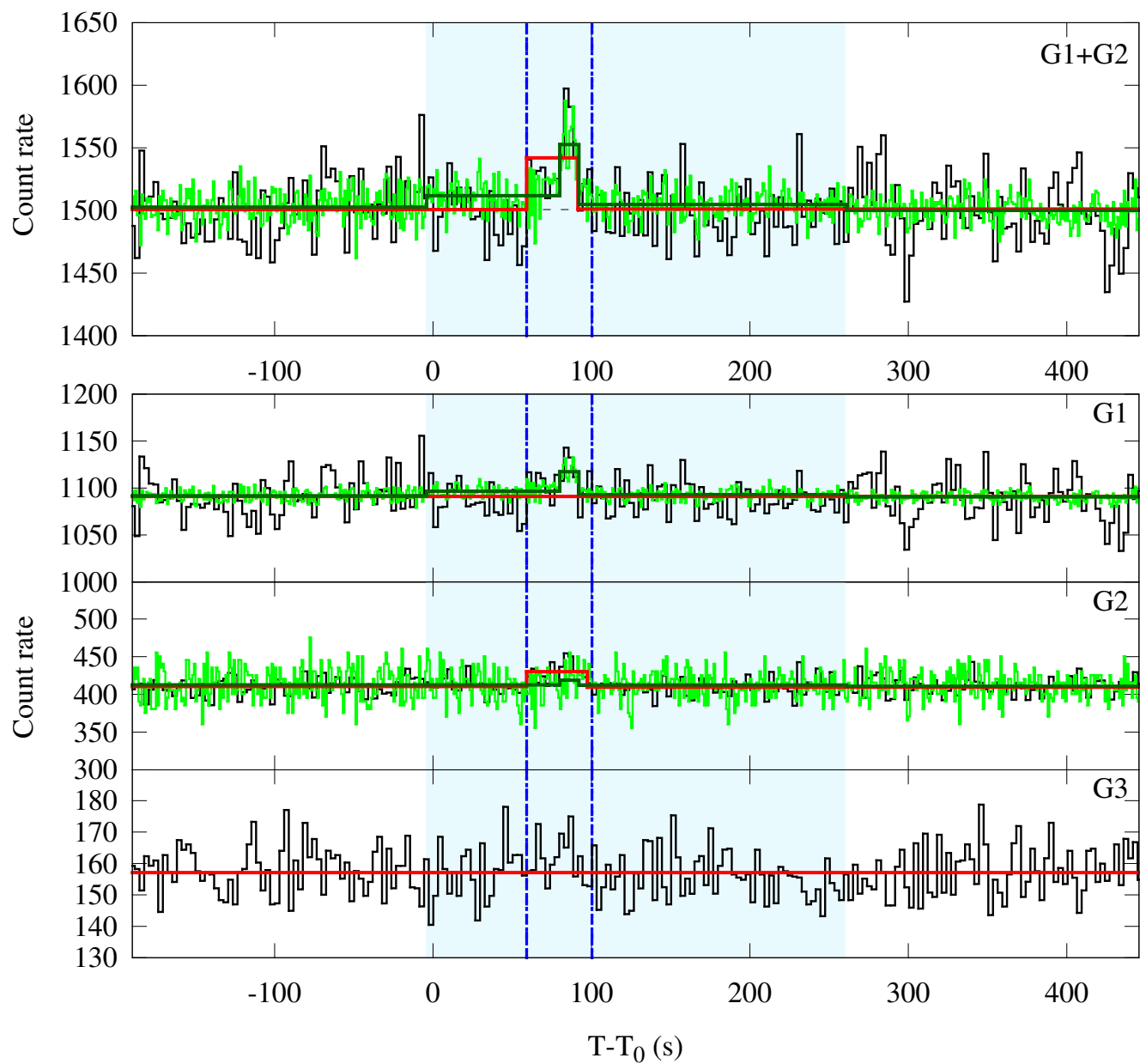
GRB 071021

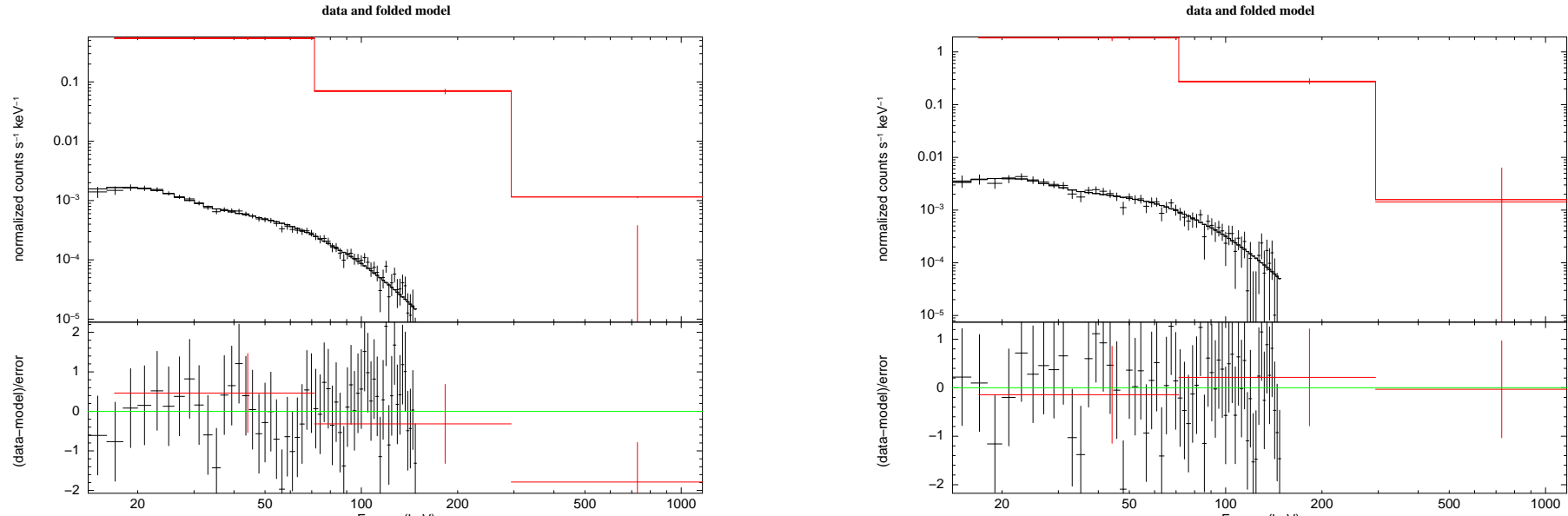Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_p (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$59.05\ldots100.266$	**CPL**	$\mathbf{-1.41^{+0.18}_{-0.15}}$	$\ldots$	$\mathbf{313^{+759}_{-146}}$	$\mathbf{0.66^{+0.24}_{-0.17}}$	$\mathbf{77.1/59(0.057)}$

GRB 071025 T_0 = 14933.685 s S2 (z=5.2)
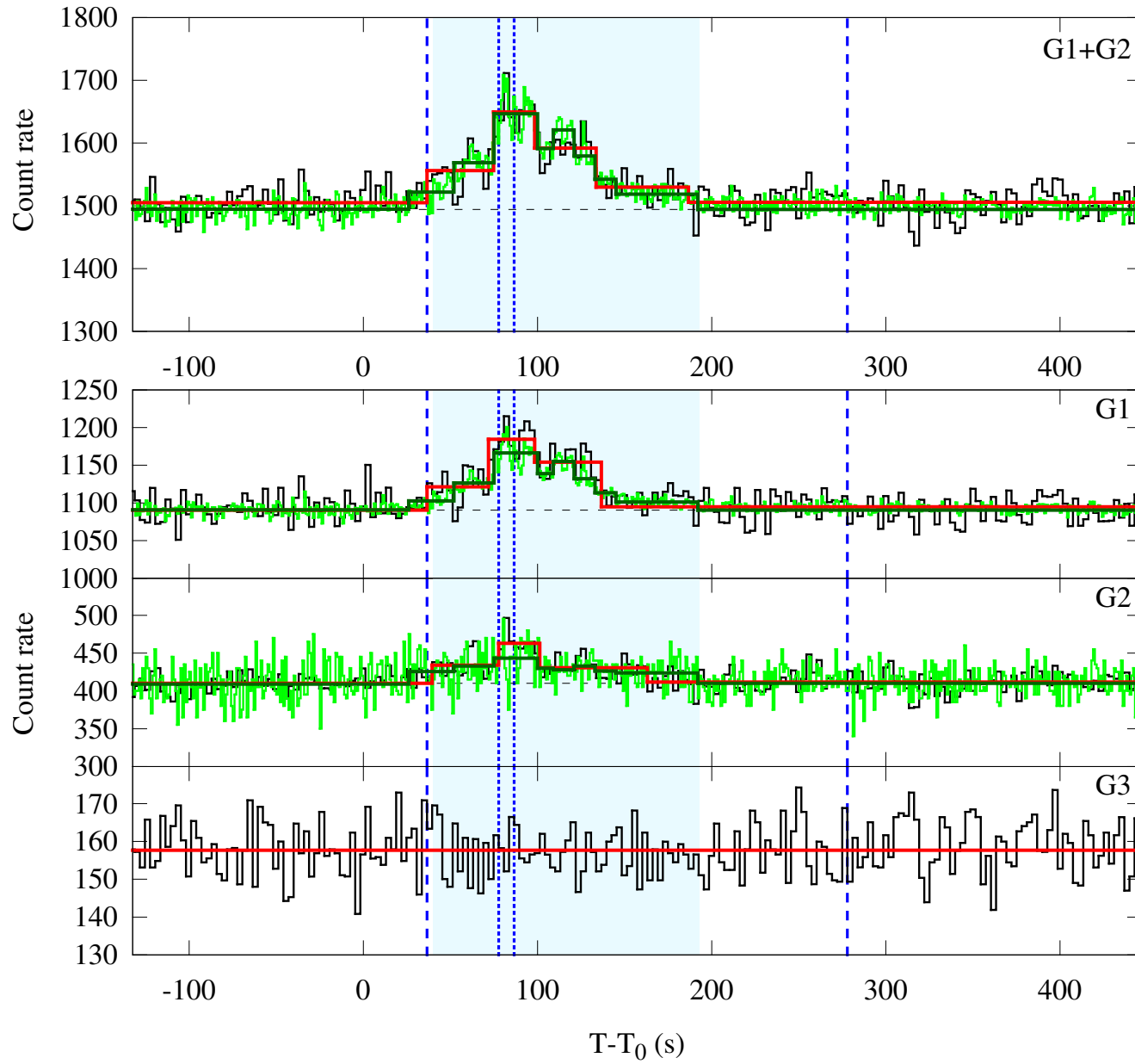
GRB 071025

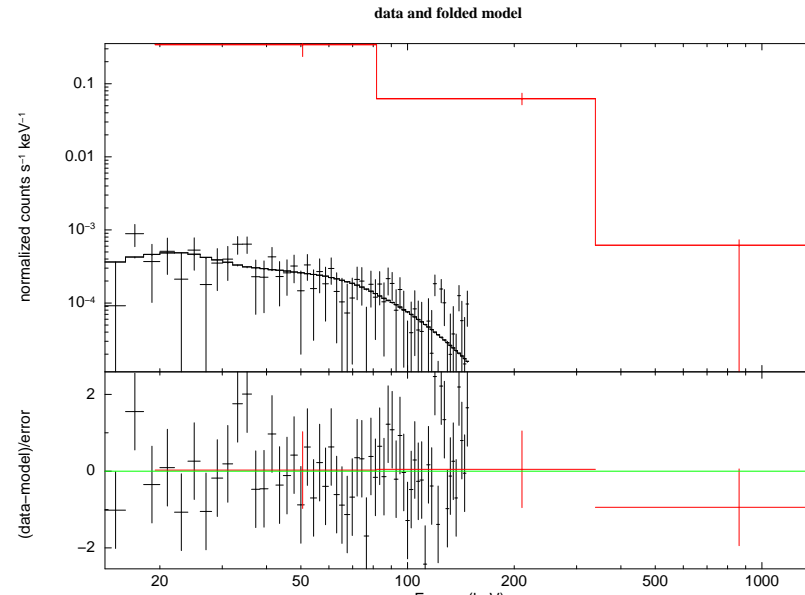Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$36.513\ldots277.921$	**CPL**	$-1.48^{+0.09}_{-0.08}$	$\ldots$	108^{+21}_{-14}	$0.51^{+0.05}_{-0.04}$	$40.4/59(0.97)$
Peak	$77.729\ldots86.561$	**CPL**	$-0.93^{+0.21}_{-0.19}$	$\ldots$	94^{+17}_{-11}	$1.65^{+0.19}_{-0.14}$	$36.6/59(0.99)$

GRB 080129 T_0 = 22005.46412 s S1 (z=4.349)
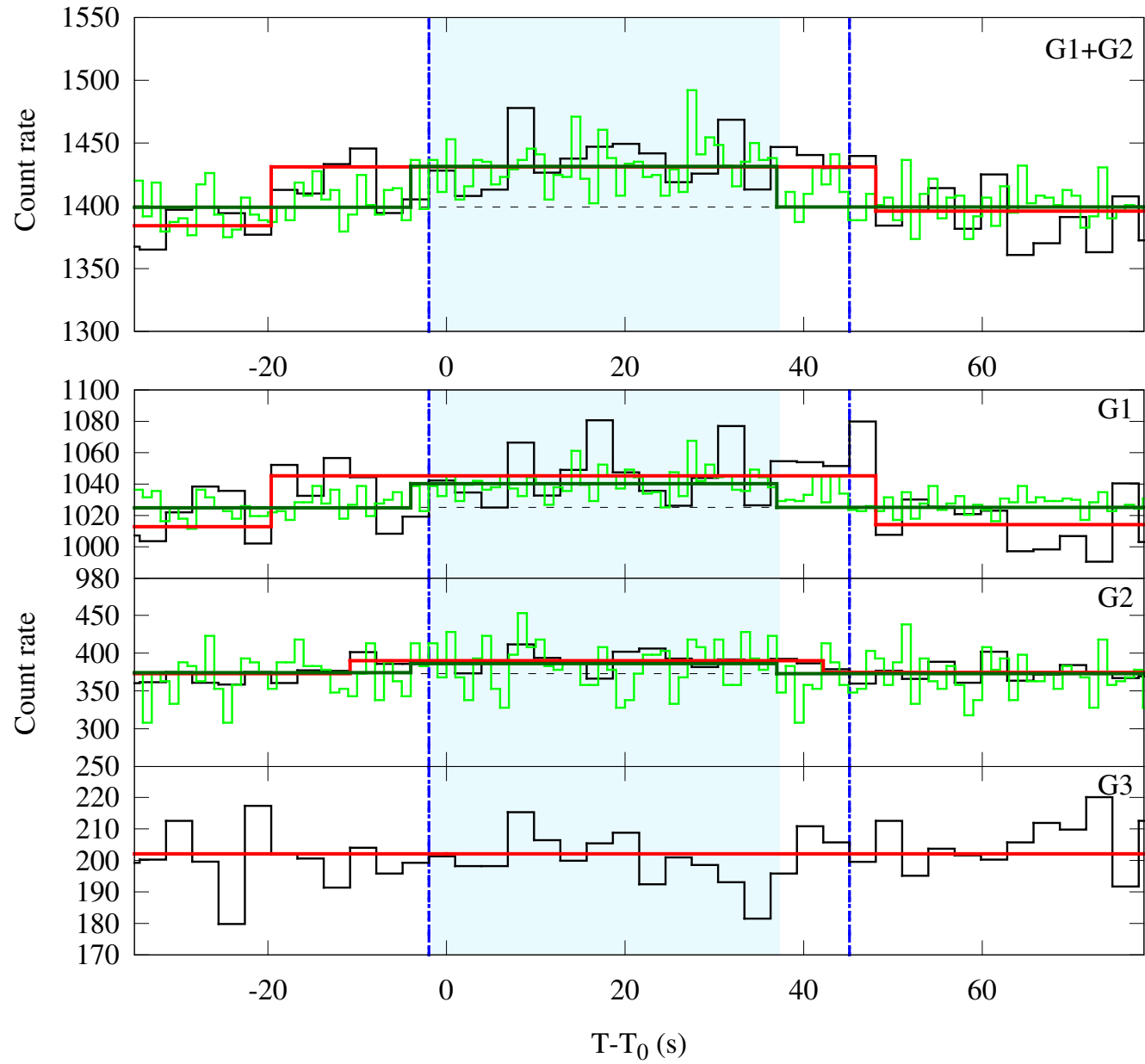
G1+G2

G1

G2

G3

T-T_0 (s)

100

GRB 080129

data and folded model

Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$-1.966\ldots45.138$	**CPL**	$-0.79^{+0.40}_{-0.32}$	$\ldots$	150^{+70}_{-36}	$0.49^{+0.14}_{-0.09}$	$60.6/59(0.42)$

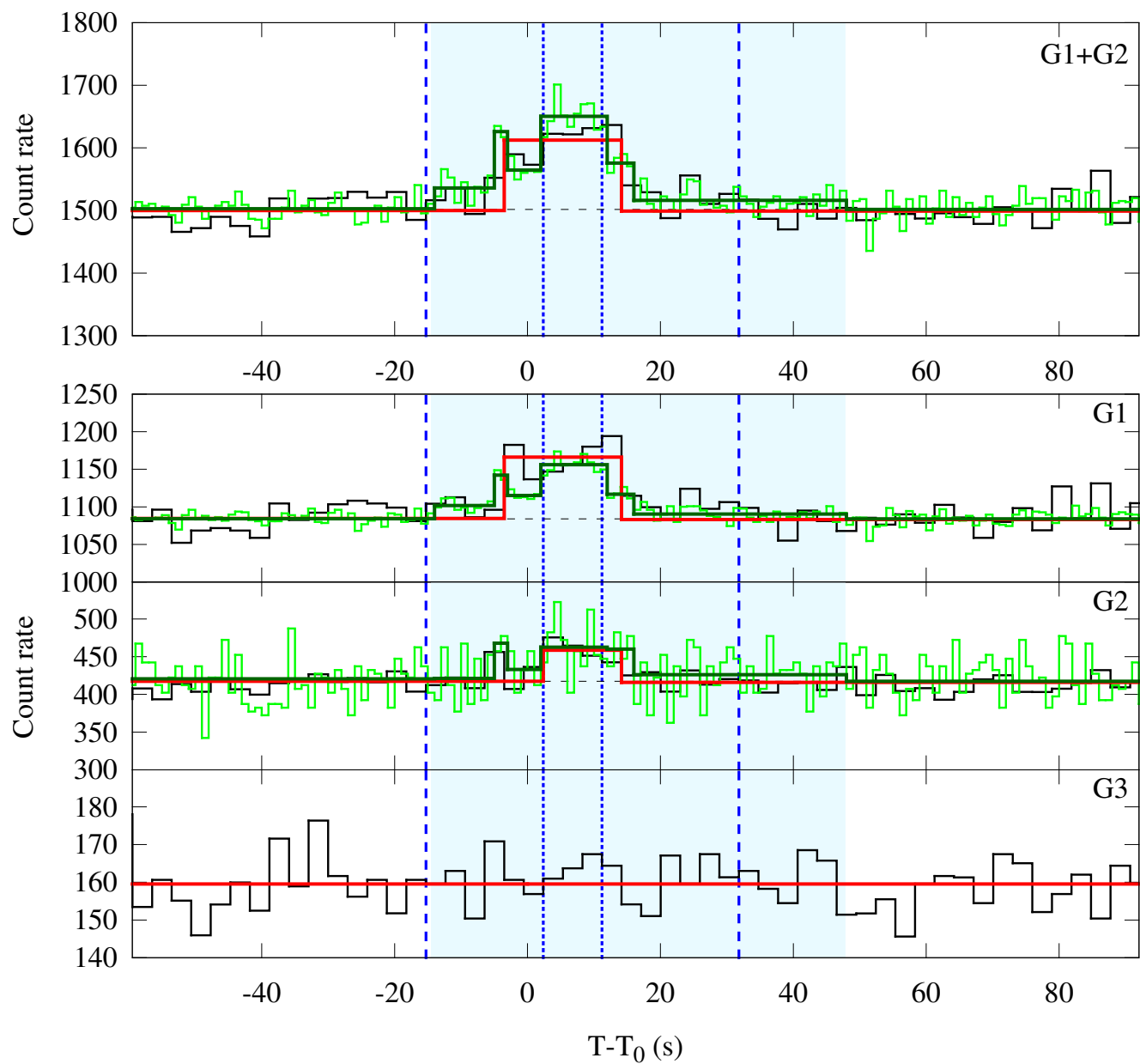GRB 080207 T_0 = 77421.44156 s S2 (z=2.0858)
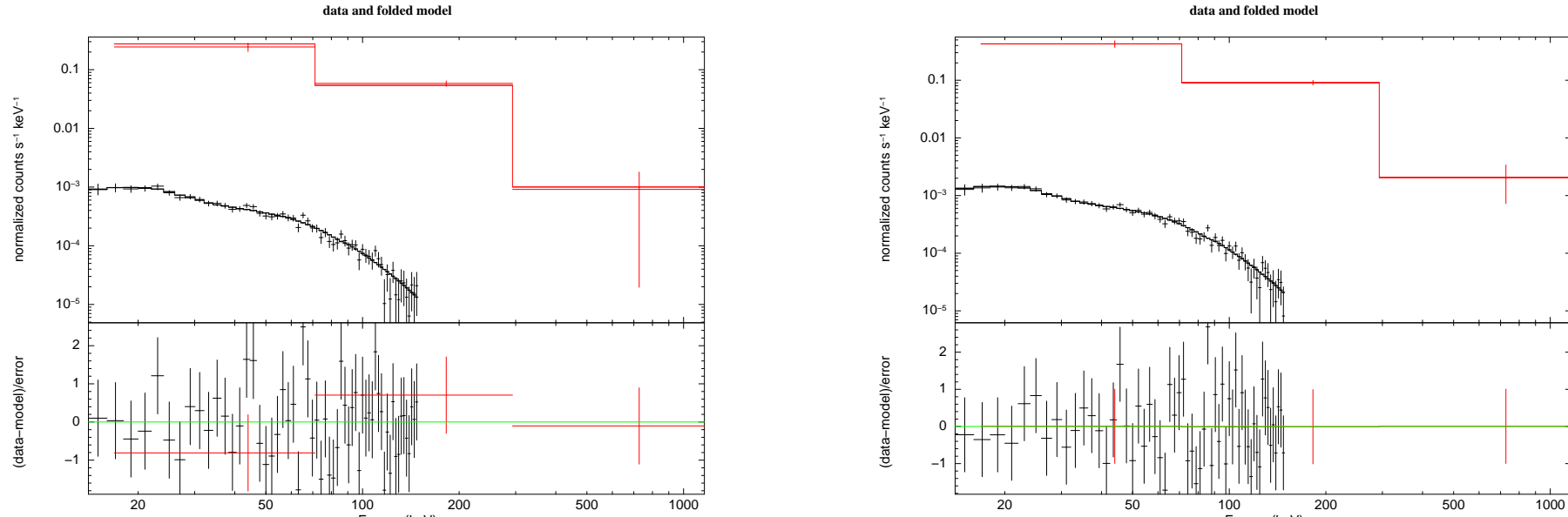
102

GRB 080207

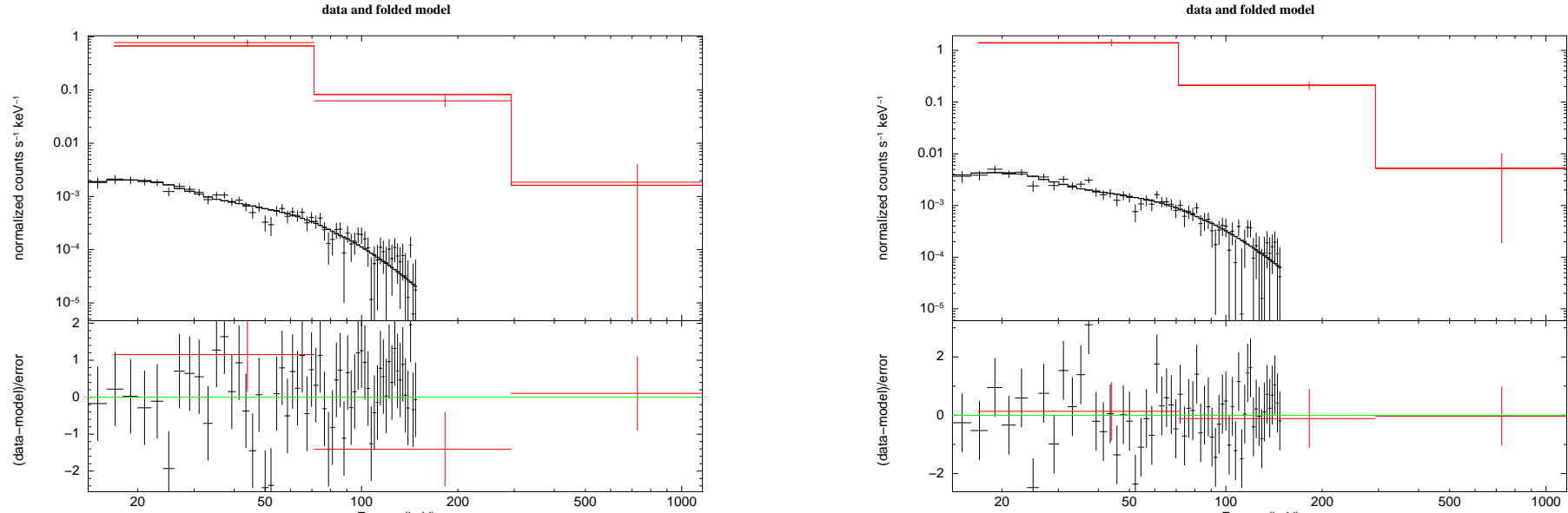Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_p (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$26.488\ldots338.552$	**CPL**	$\mathbf{-1.23^{+0.12}_{-0.11}}$	$\ldots$	$\mathbf{138^{+39}_{-24}}$	$\mathbf{0.42^{+0.06}_{-0.05}}$	$\mathbf{50.0/59(0.79)}$
Peak	$26.488\ldots156.024$	**CPL**	$\mathbf{-1.21^{+0.11}_{-0.09}}$	$\ldots$	$\mathbf{159^{+43}_{-28}}$	$\mathbf{0.71^{+0.10}_{-0.08}}$	$\mathbf{43.9/59(0.93)}$

GRB 080210 T_0 = 28205.43578 s S2 (z=2.6419)

G1+G2

G1

G2

G3

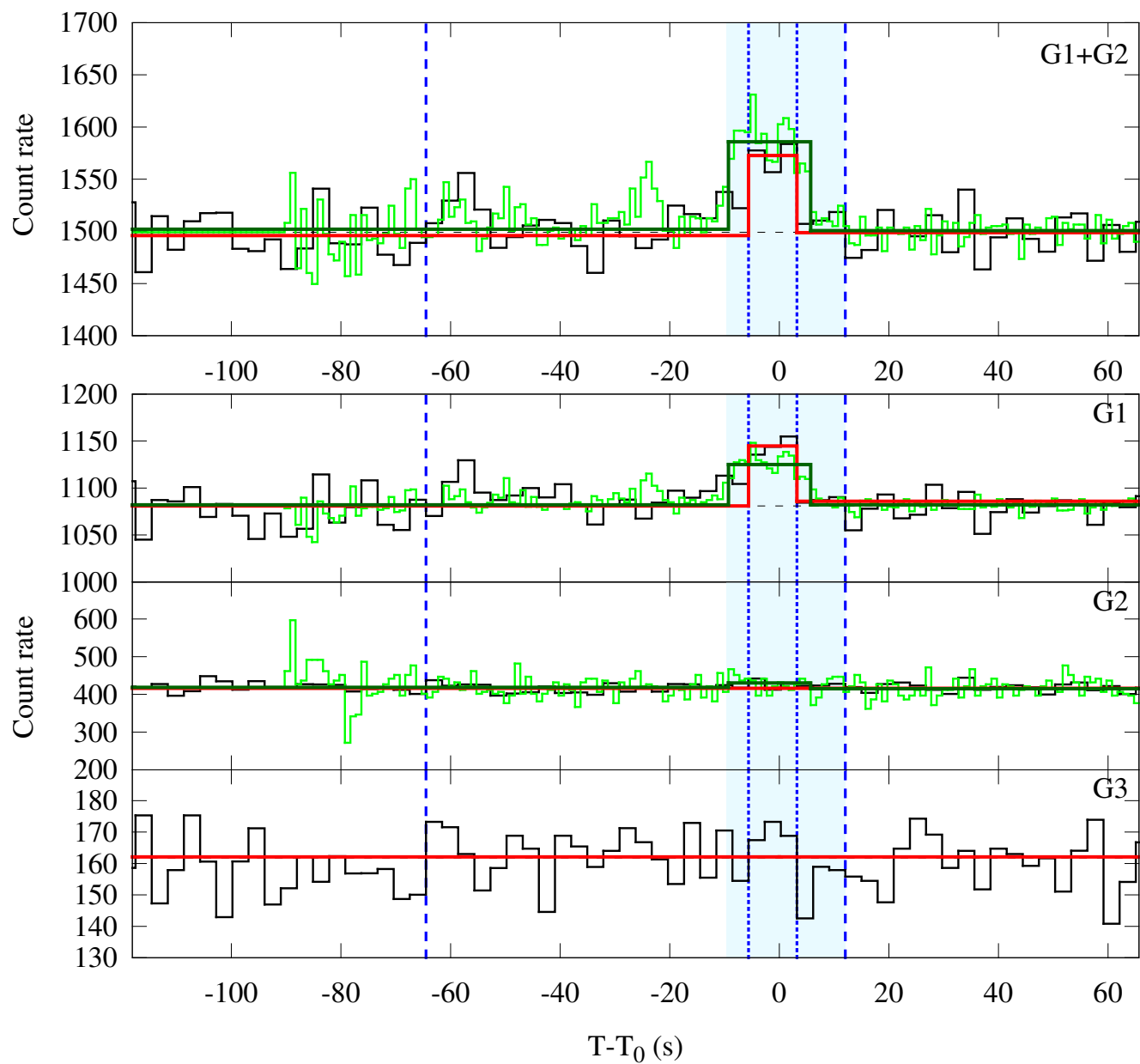T-T_0 (s)

GRB 080210

Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	$\chi^2/$dof (Prob.)
Time-integrated	$-15.286\ldots31.818$	**GRBM**	$\mathbf{-1.58^{+0.21}_{-0.12}}$	$\mathbf{-3.46^{+1.42}_{-6.54}}$	$\mathbf{110^{+42}_{-27}}$	$\mathbf{0.60^{+0.22}_{-0.10}}$	$\mathbf{53.2/58(0.65)}$
		CPL	$-1.58^{+0.18}_{-0.14}$	$\ldots$	113^{+103}_{-32}	$0.59^{+0.16}_{-0.10}$	$53.2/59(0.69)$
Peak	$2.378\ldots11.21$	**GRBM**	$\mathbf{-1.40^{+0.20}_{-0.11}}$	$\mathbf{-3.30^{+1.41}_{-6.70}}$	$\mathbf{157^{+69}_{-57}}$	$\mathbf{1.54^{+0.51}_{-0.29}}$	$\mathbf{57.7/58(0.49)}$
		CPL	$-1.40^{+0.17}_{-0.13}$	$\ldots$	159^{+119}_{-48}	$1.51^{+0.42}_{-0.27}$	$57.7/59(0.52)$

GRB 080310 $T_0 = 31078.64732$ s S2 (z=2.4274)

GRB 080310

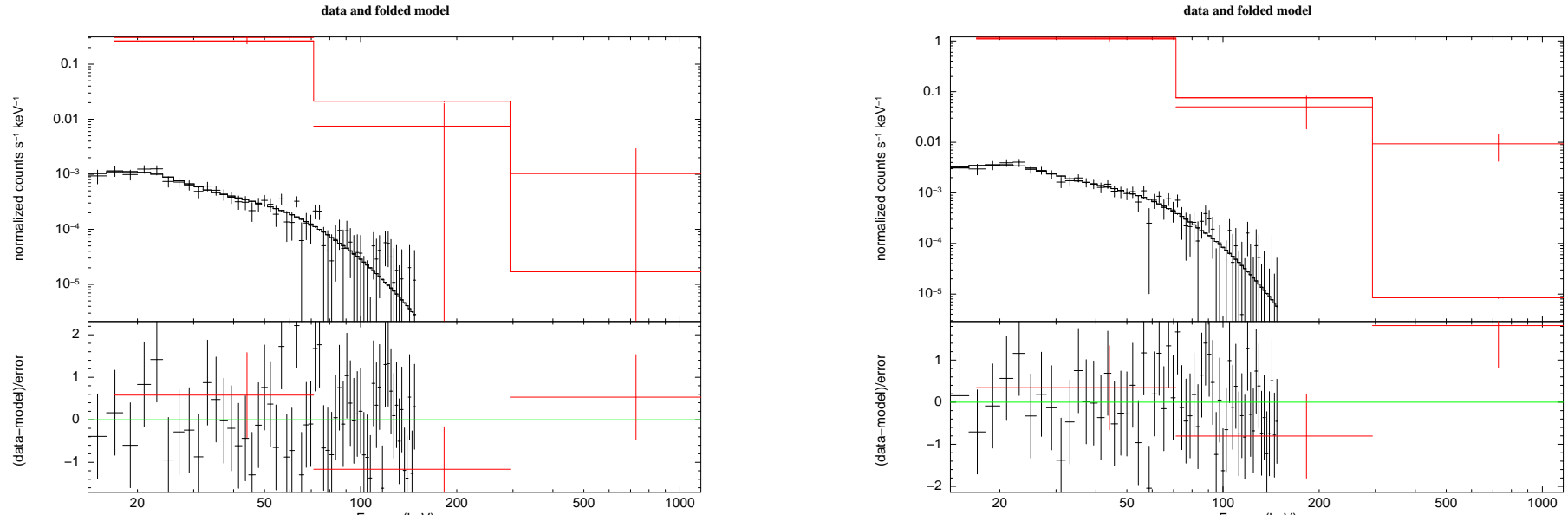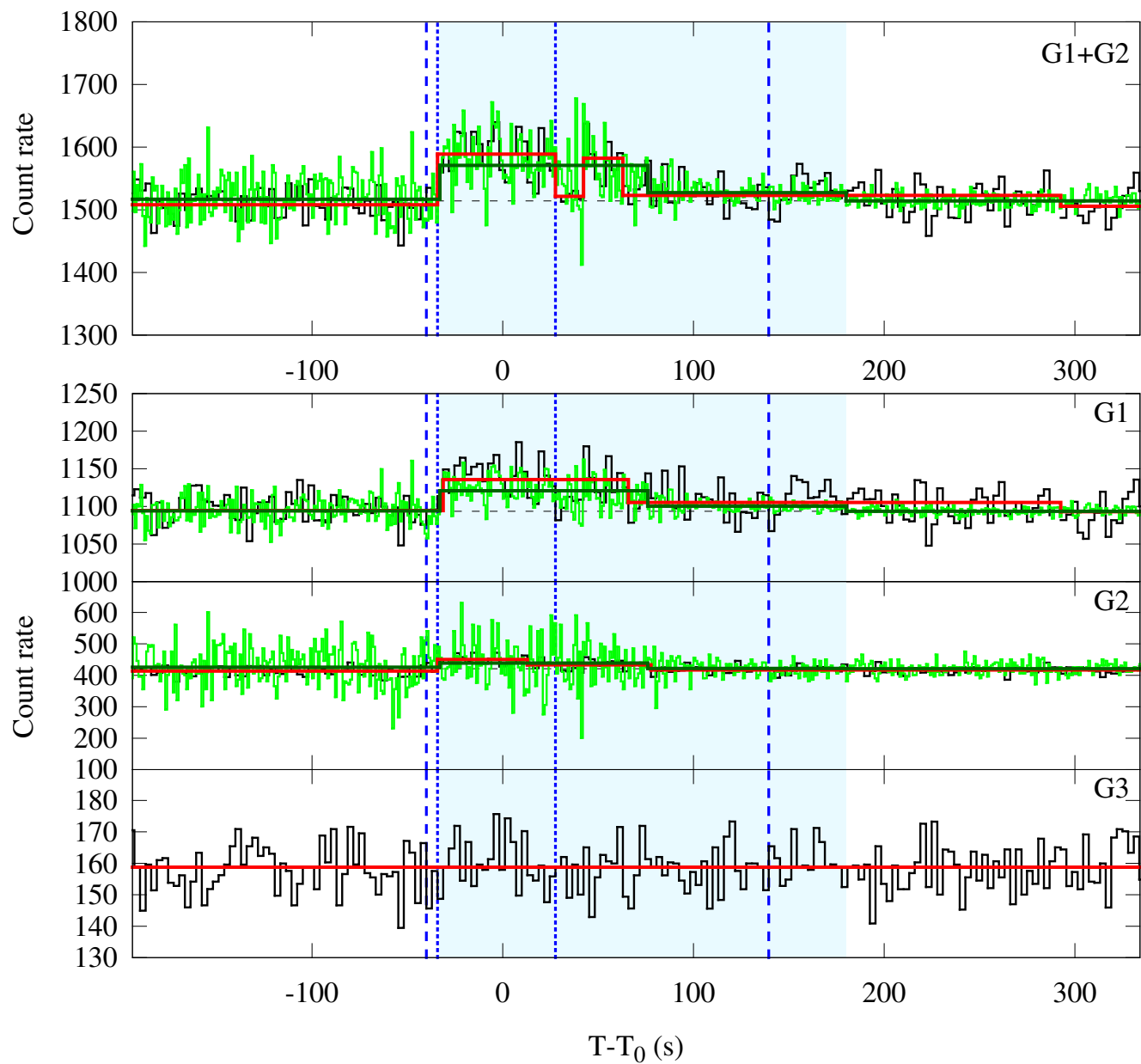Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.
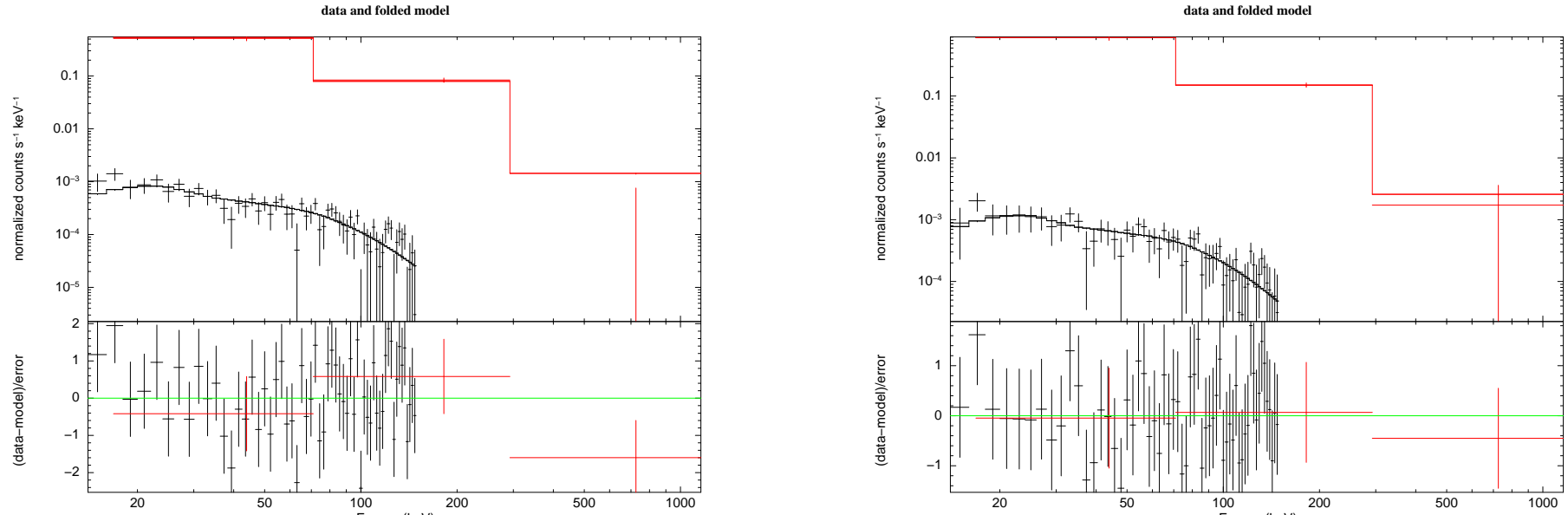
Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$-64.491\ldots 12.053$	**CPL**	$-1.21^{+0.38}_{-0.34}$	$\ldots$	42^{+6}_{-6}	$0.22^{+0.03}_{-0.02}$	$48.7/59(0.83)$
Peak	$-5.611\ldots 3.221$	**CPL**	$-0.66^{+0.37}_{-0.34}$	$\ldots$	44^{+3}_{-3}	$0.86^{+0.06}_{-0.05}$	$41.1/59(0.96)$

GRB 080325 T_0 = 14957.33208 s S2 (z=1.78)

GRB 080325

Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.
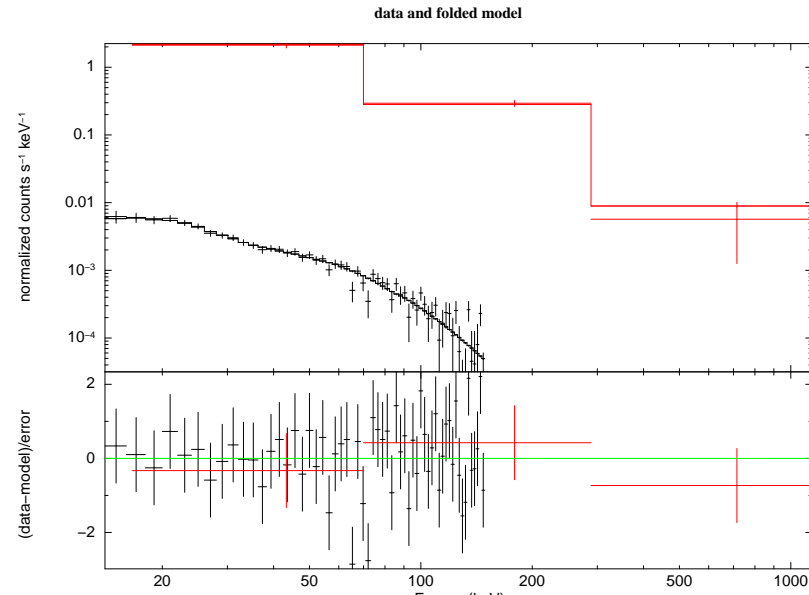
Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$-40.09\dots139.494$	**CPL**	$-1.13^{+0.22}_{-0.17}$	...	145^{+34}_{-26}	$0.46^{+0.06}_{-0.05}$	$61.3/59(0.39)$
Peak	$-34.202\dots27.622$	**CPL**	$-0.95^{+0.27}_{-0.21}$	...	150^{+39}_{-27}	$0.83^{+0.12}_{-0.10}$	$34.6/59(1)$

GRB 080430 T_0 = 71582.07564 s S2 (z=0.767)
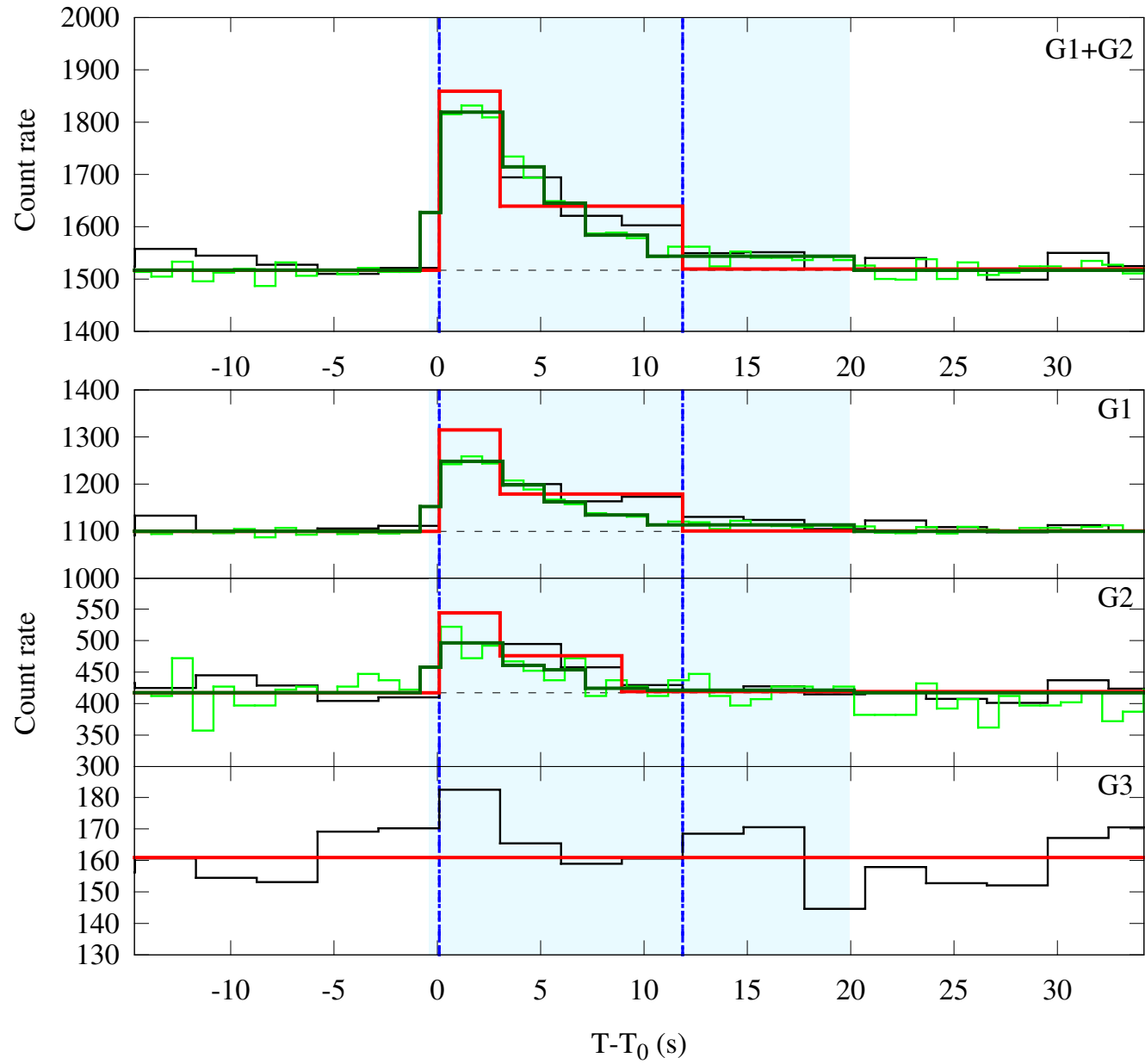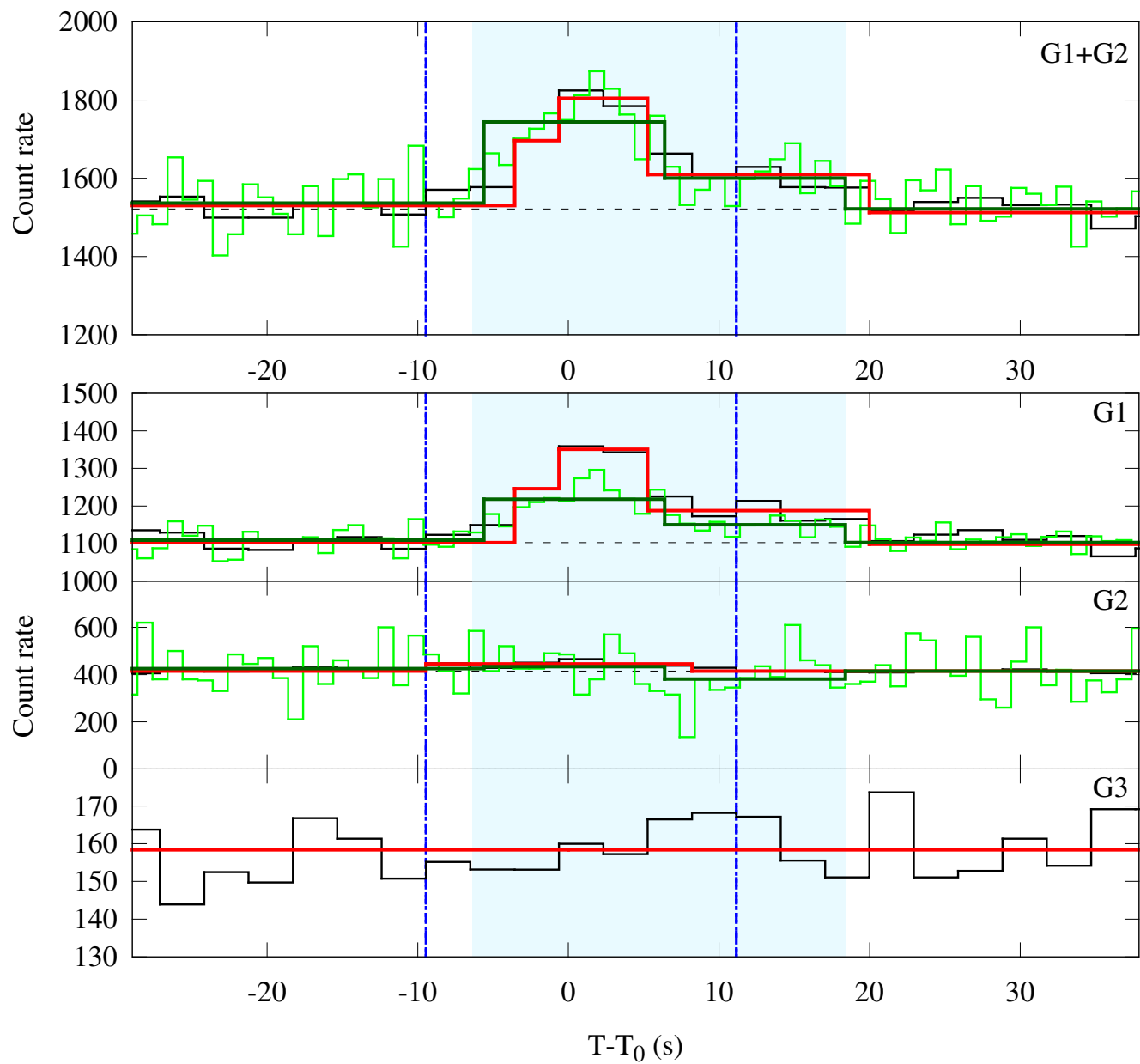
GRB 080430

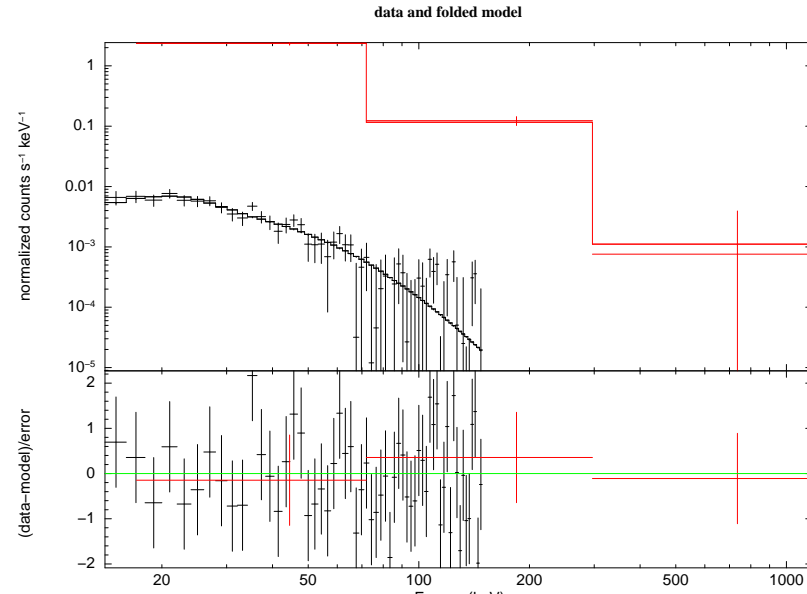Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$0.095\ldots11.871$	**CPL**	$-1.64^{+0.09}_{-0.08}$	$\ldots$	177^{+131}_{-53}	$2.14^{+0.37}_{-0.29}$	$57.9/59(0.52)$

GRB 080515 T_0 = 21673.81664 s S2 (z=2.47)

GRB 080515

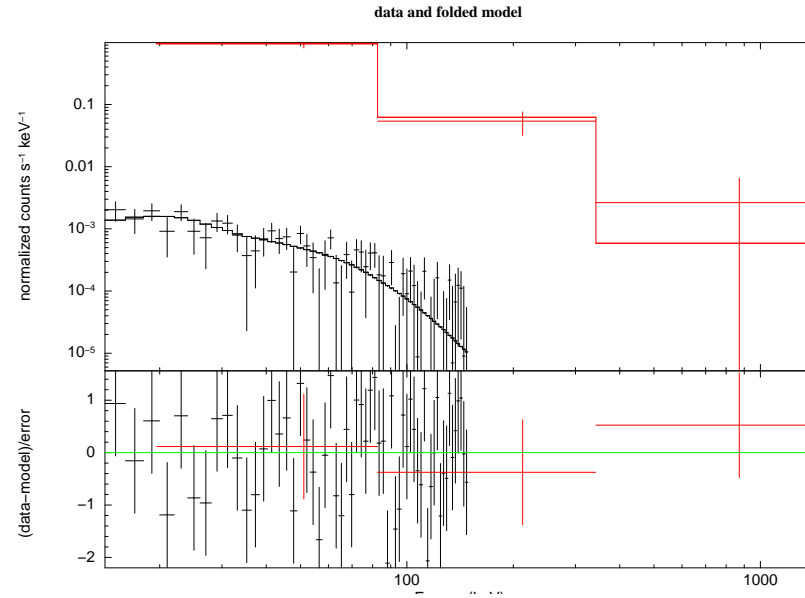Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-9.454\ldots11.154$	**GRBM**	$\mathbf{-0.20^{+0.96}_{-0.80}}$	$\mathbf{-3.02^{+0.25}_{-0.55}}$	$\mathbf{34^{+3}_{-3}}$	$\mathbf{1.38^{+0.12}_{-0.12}}$	$\mathbf{51.3/58(0.72)}$
		CPL	$-1.01^{+0.45}_{-0.40}$	$\ldots$	35^{+4}_{-6}	$1.24^{+0.07}_{-0.07}$	$53.6/59(0.67)$

GRB 080516 T_0 = 1027.03076 s S1 (z=3.2)
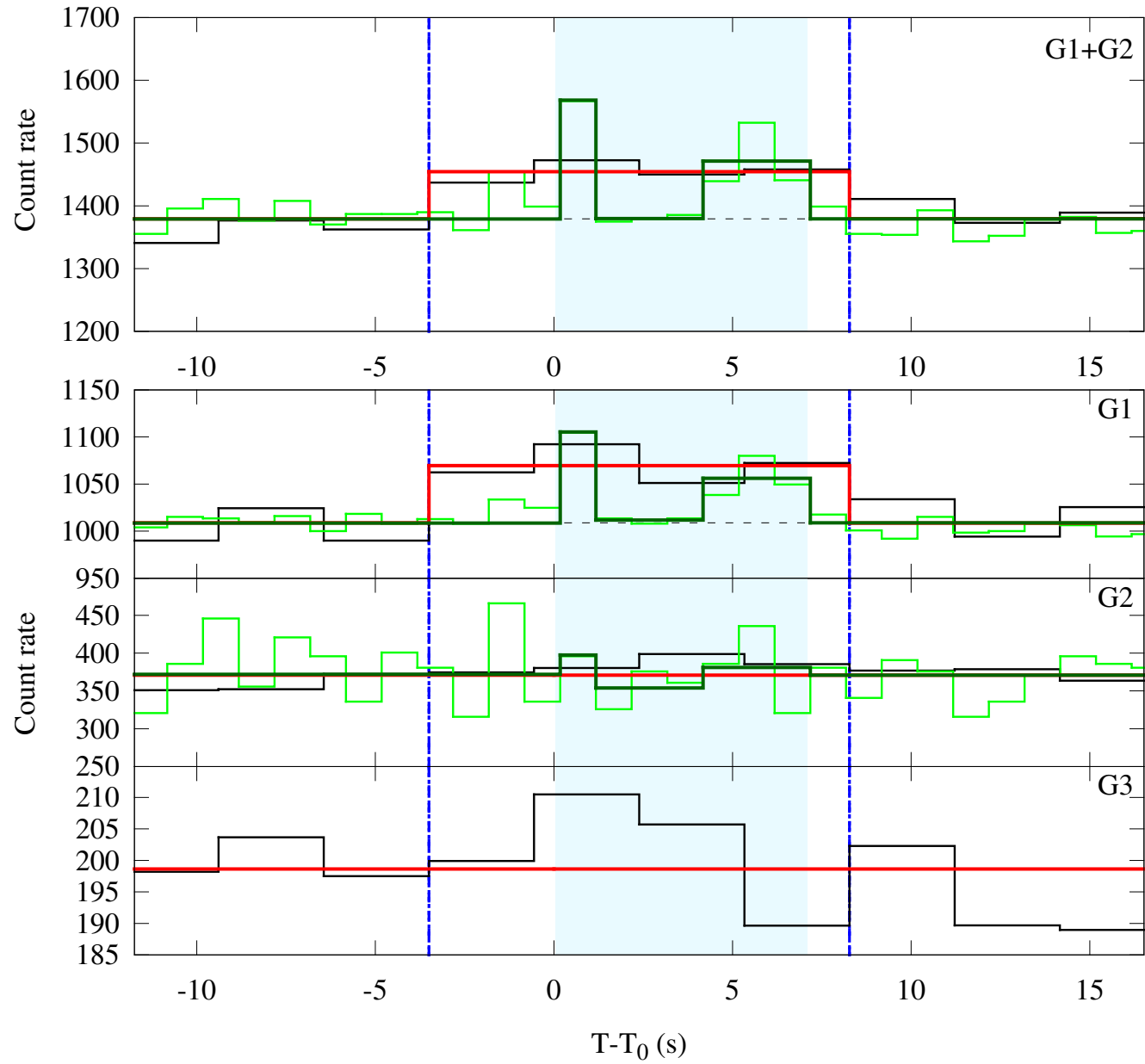
GRB 080516

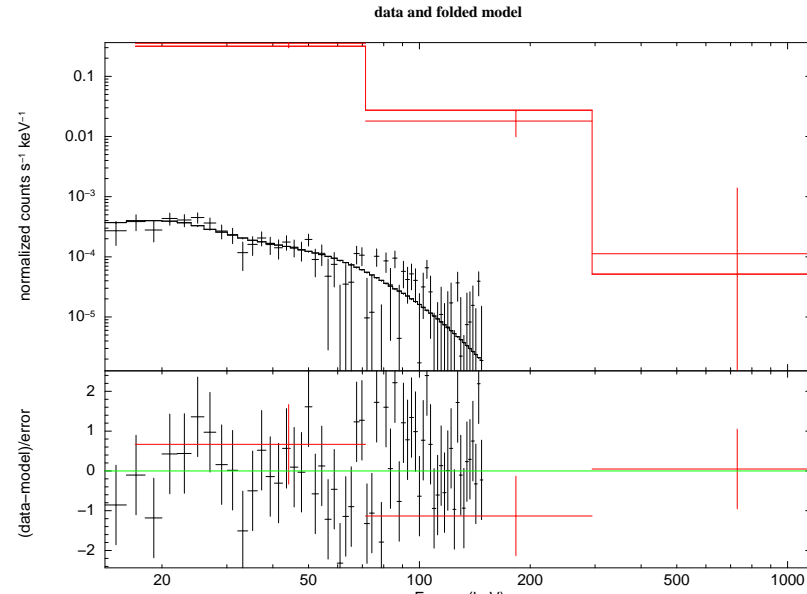Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F (10^{-7} erg cm^{-2} s^{-1})	$\chi^2/$dof (Prob.)
Time-integrated	$-3.501\ldots8.275$	**GRBM**	$\mathbf{-1.21^{+0.74}_{-0.53}}$	$\mathbf{-2.97^{+0.86}_{-7.03}}$	$\mathbf{58^{+21}_{-17}}$	$\mathbf{0.66^{+0.25}_{-0.15}}$	$\mathbf{50.3/58(0.75)}$
		CPL	$-1.22^{+0.61}_{-0.52}$	$\ldots$	59^{+23}_{-13}	$0.60^{+0.16}_{-0.08}$	$50.4/59(0.78)$

GRB 080604 T_0 = 26821.1596 s S2 (z=1.4171)
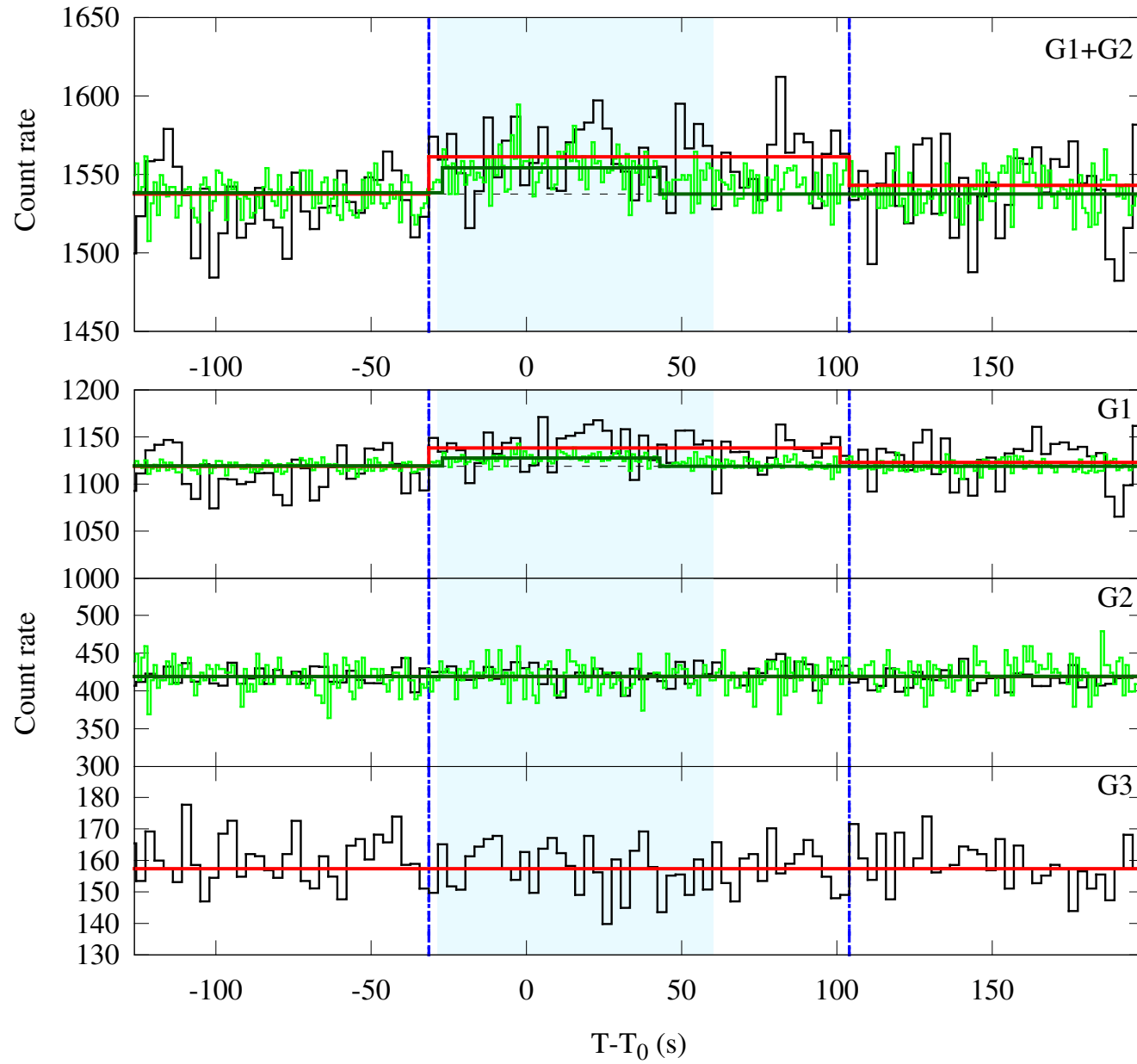
GRB 080604

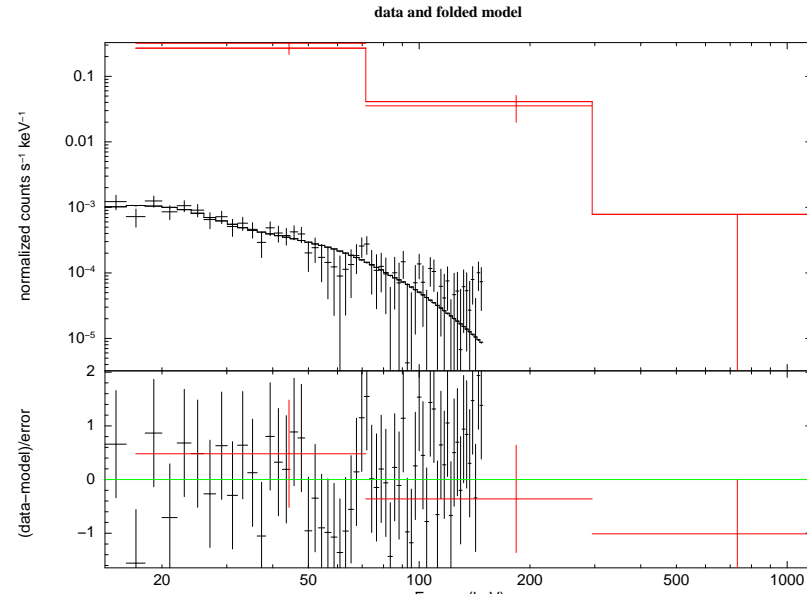Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	$\chi^2/$dof (Prob.)
Time-integrated	$-31.424\ldots104$	**CPL**	$-1.05^{+0.41}_{-0.36}$	$\ldots$	61^{+16}_{-9}	$0.18^{+0.03}_{-0.02}$	$67.0/59(0.22)$

GRB 080707 T_0 = 30473.6858 s S2 (z=1.2322)
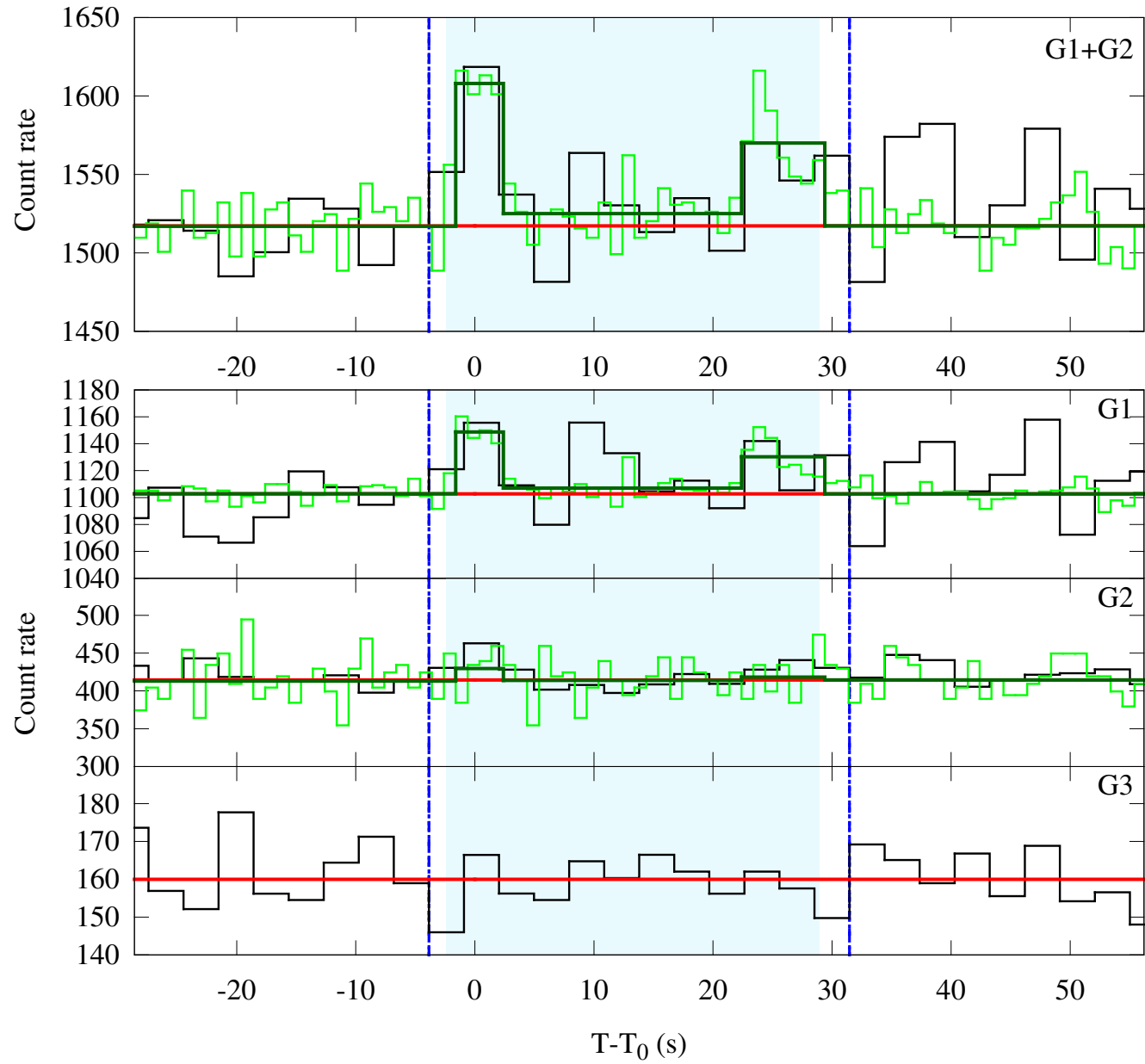
GRB 080707

data and folded model

Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-3.861\ldots31.467$	**CPL**	$-1.55^{+0.26}_{-0.20}$	...	111^{+210}_{-41}	$0.35^{+0.16}_{-0.08}$	$47.0/59(0.87)$

GRB 080804 $T_0 = 84014.67$ s S1 (z=2.2045)
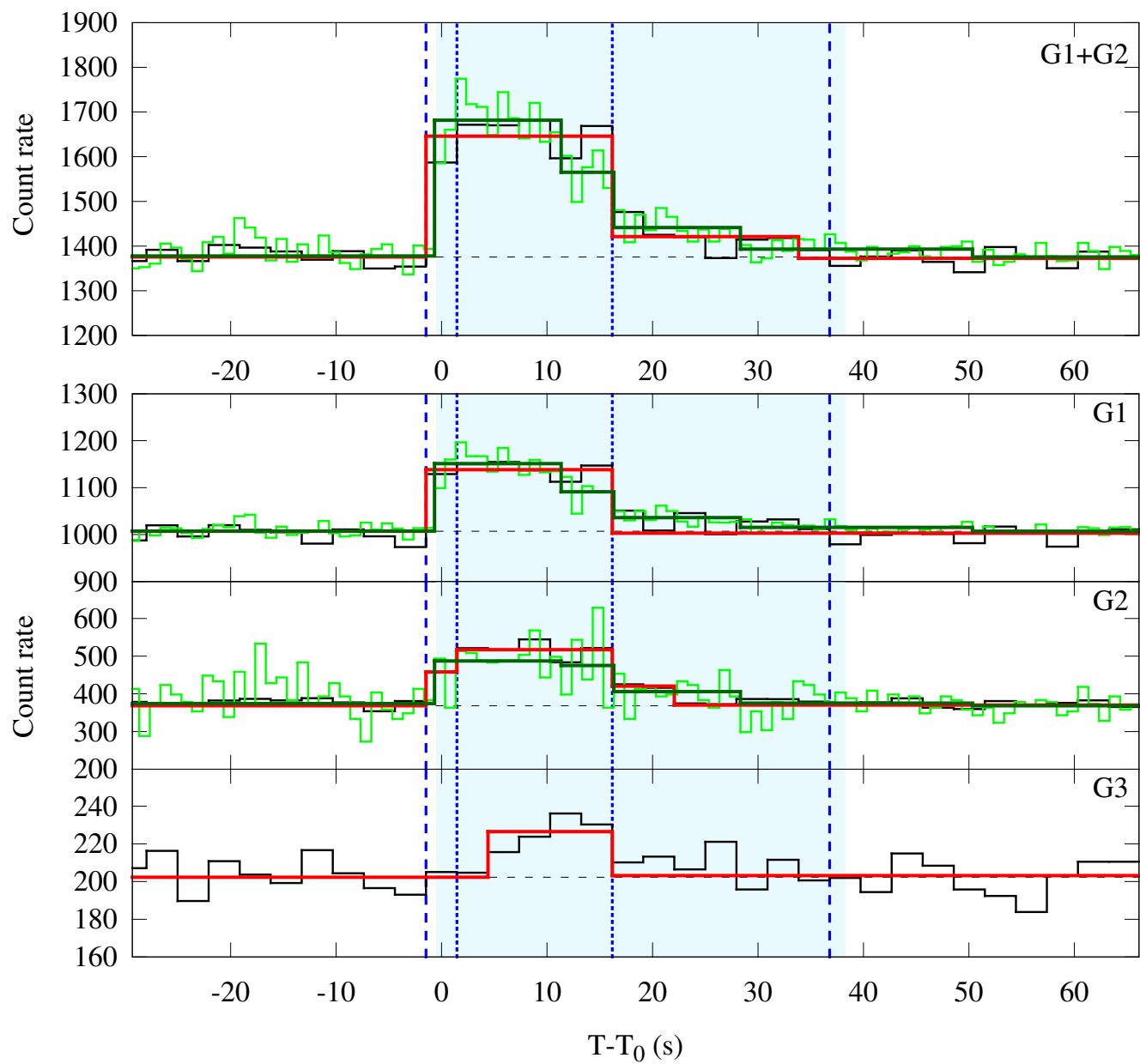
GRB 080804
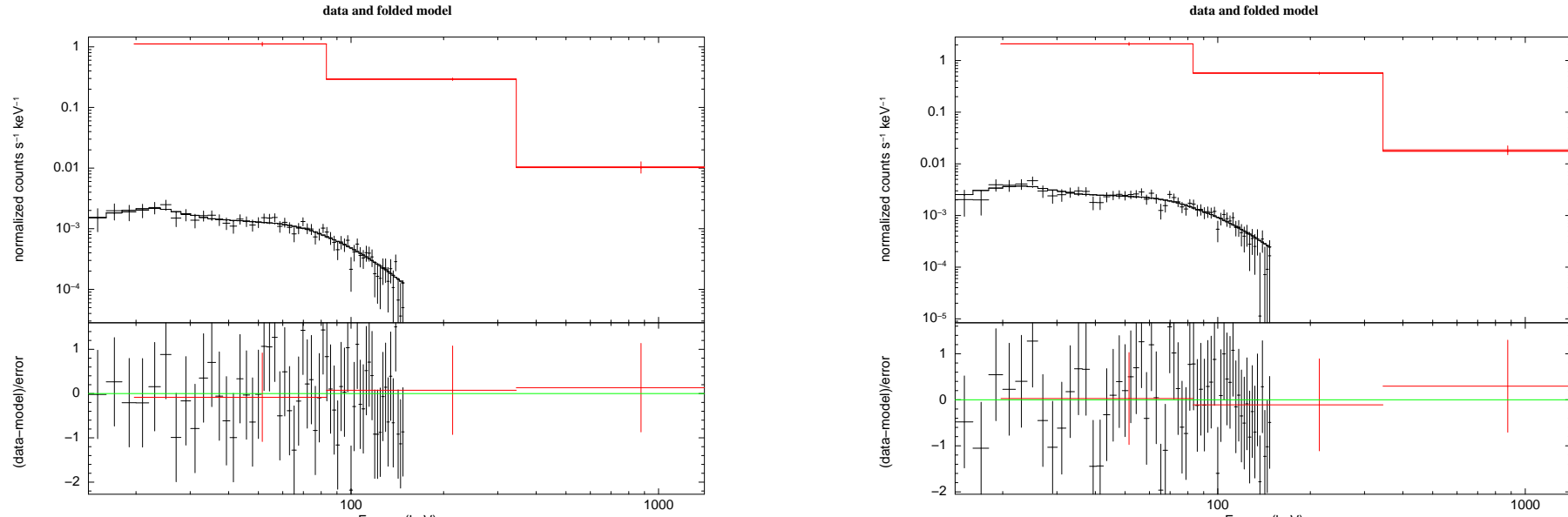
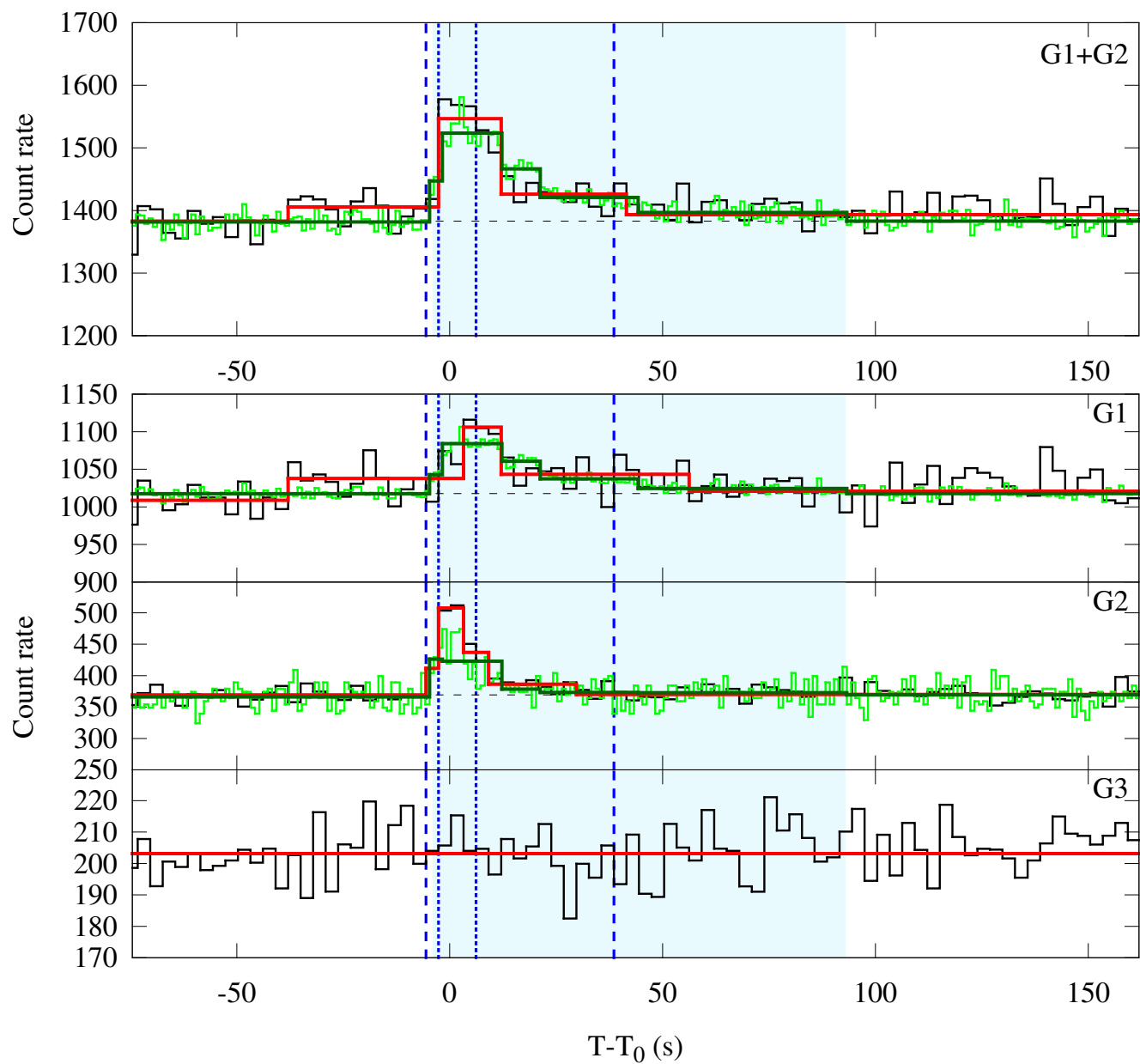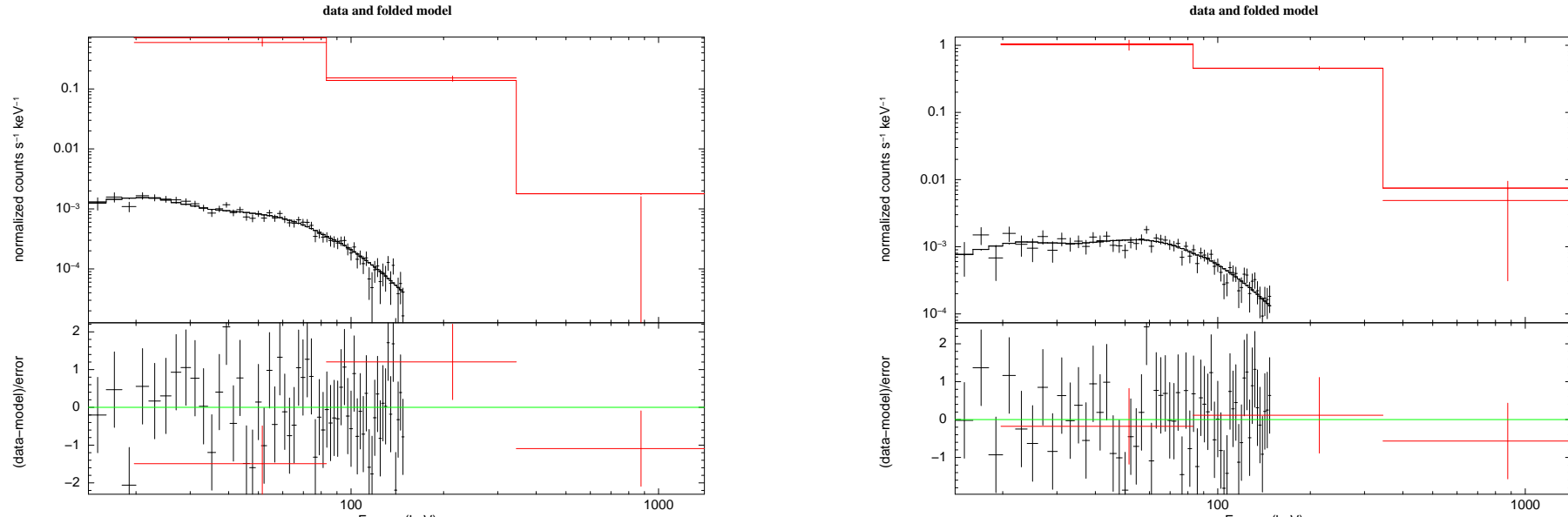Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_p (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-1.482\ldots36.79$	**CPL**	$\mathbf{-0.82^{+0.09}_{-0.08}}$	$\ldots$	$\mathbf{314^{+52}_{-43}}$	$\mathbf{2.93^{+0.30}_{-0.28}}$	$\mathbf{35.4/59(0.99)}$
Peak	$1.462\ldots16.182$	**CPL**	$\mathbf{-0.71^{+0.10}_{-0.09}}$	$\ldots$	$\mathbf{287^{+38}_{-33}}$	$\mathbf{5.39^{+0.47}_{-0.44}}$	$\mathbf{39.1/59(0.98)}$

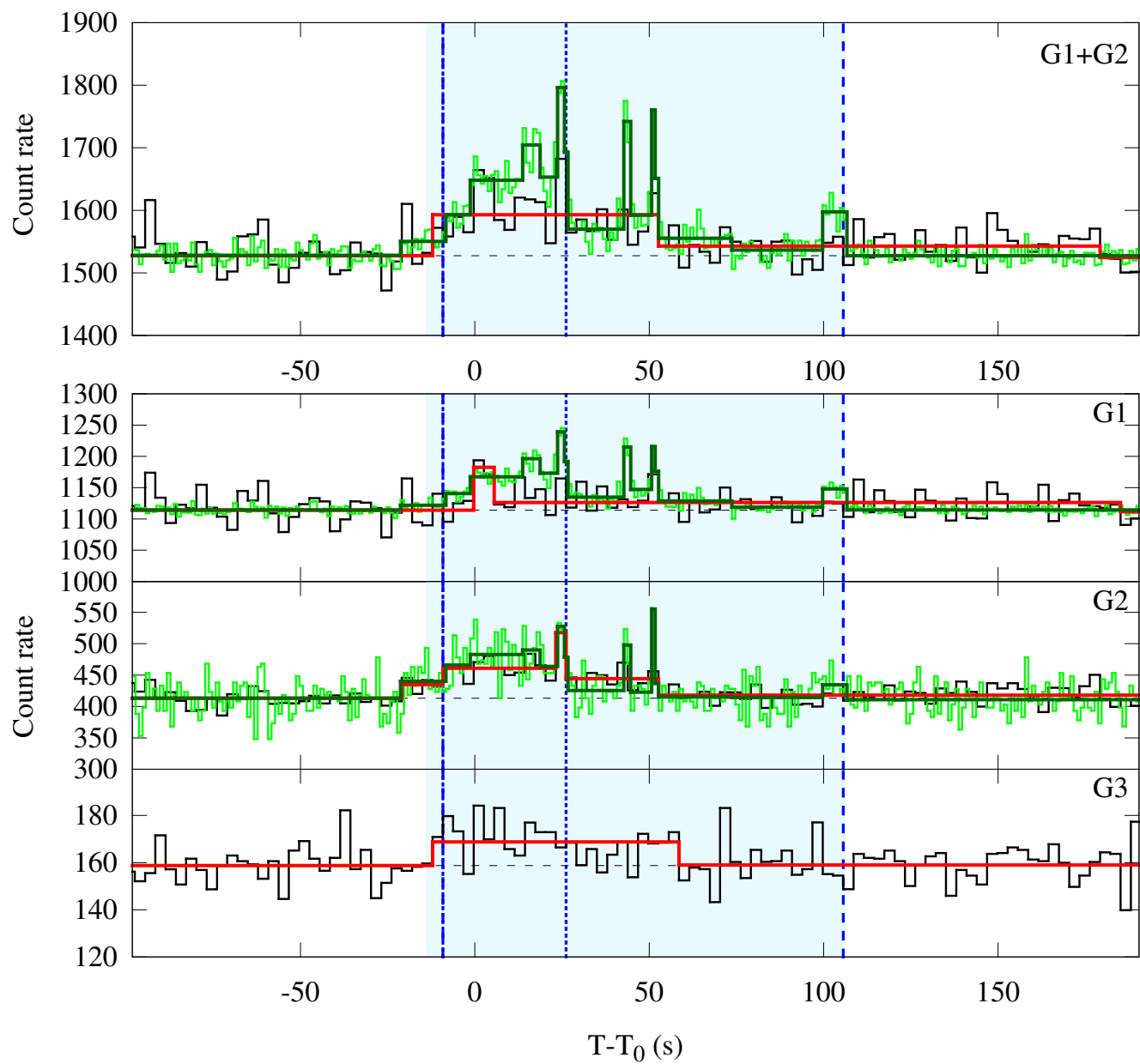GRB 080805 T_0 = 27694.73312 s S1 (z=1.5042)

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GRB 080805

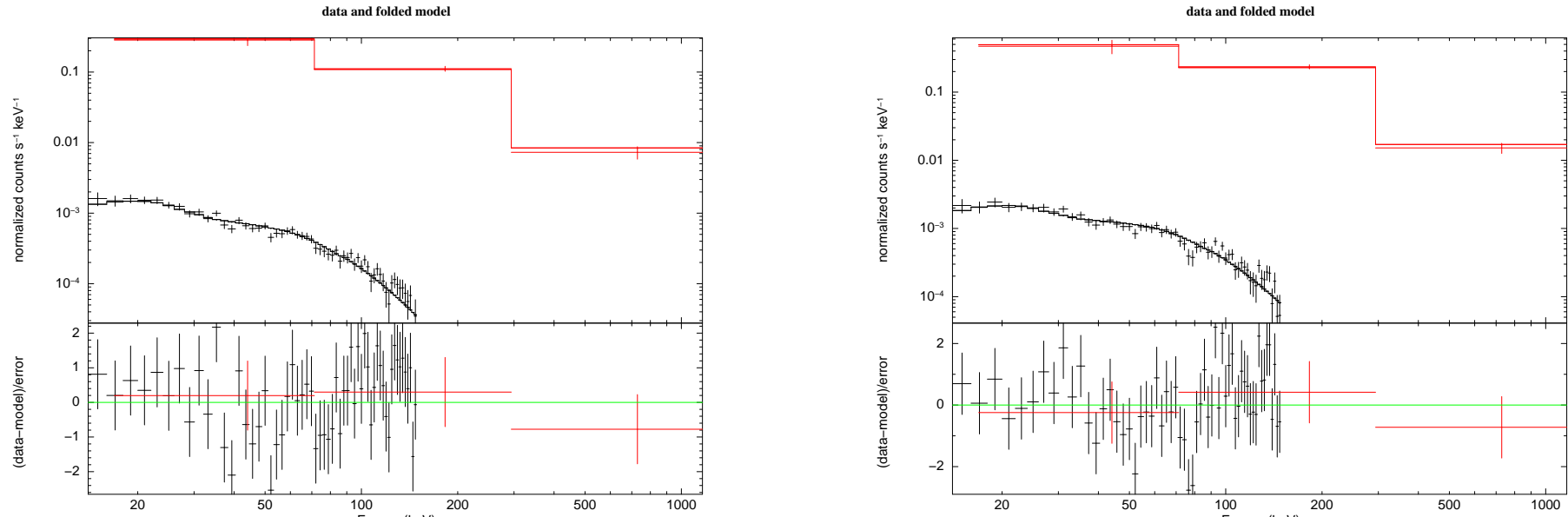Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-5.576\ldots38.584$	**CPL**	$\mathbf{-0.73^{+0.12}_{-0.10}}$	...	$\mathbf{176^{+30}_{-23}}$	$\mathbf{1.06^{+0.13}_{-0.11}}$	$\mathbf{57.2/59(0.54)}$
Peak	$-2.632\ldots6.2$	**CPL**	$\mathbf{0.26^{+0.17}_{-0.15}}$	...	$\mathbf{223^{+24}_{-21}}$	$\mathbf{3.21^{+0.37}_{-0.33}}$	$\mathbf{47.4/59(0.86)}$

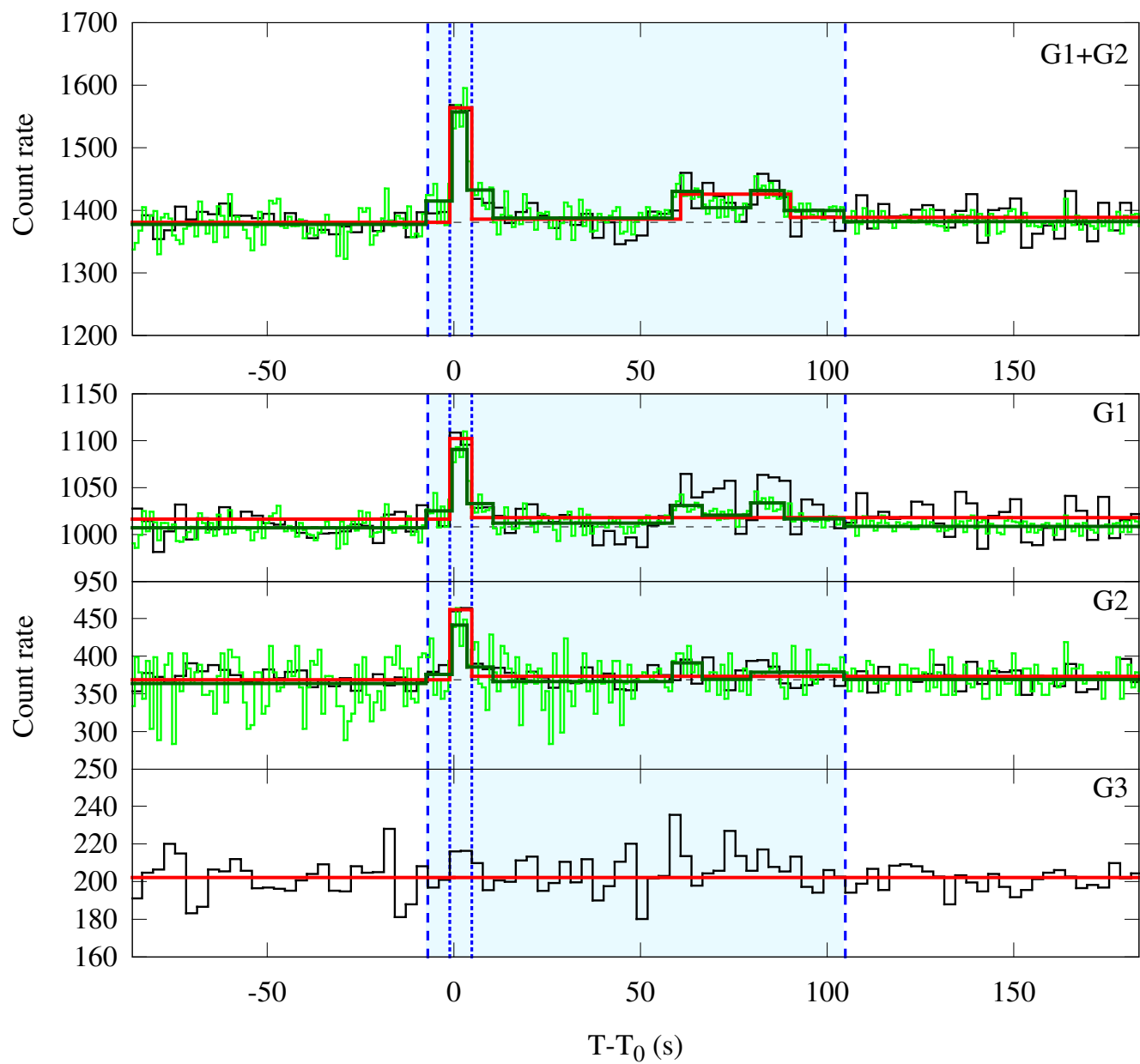GRB 080810 T_0 = 47412.28798 s S2 (z=3.3604)

GRB 080810

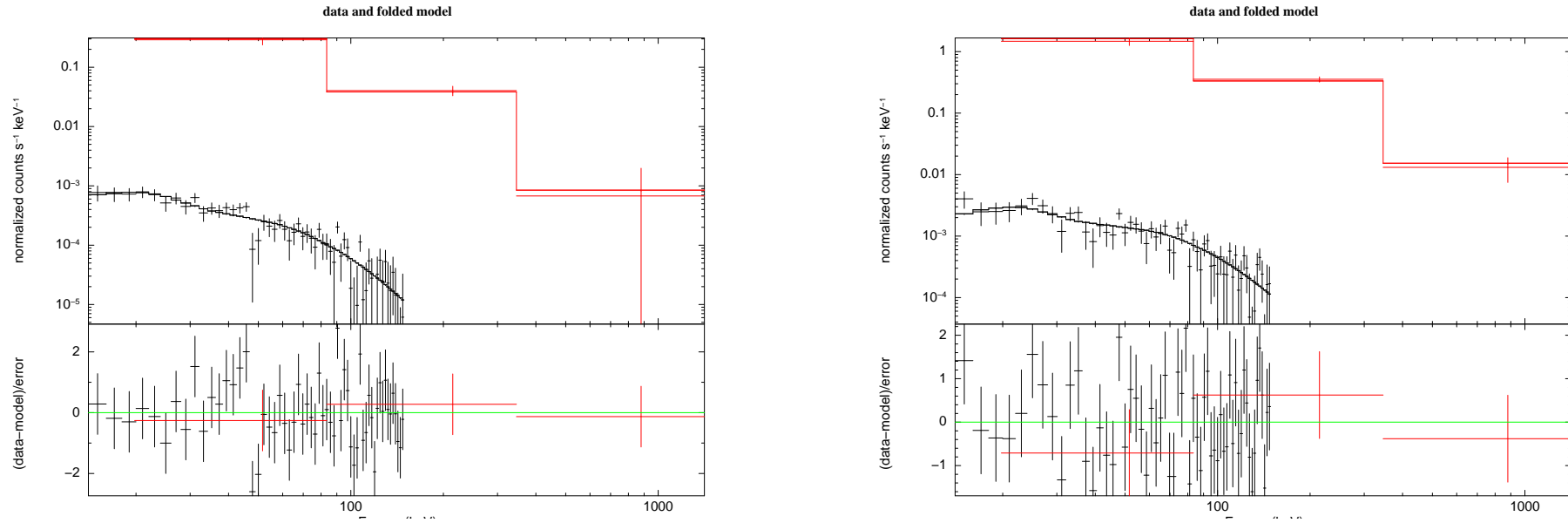Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-9.164\ldots105.652$	**CPL**	$-1.19^{+0.06}_{-0.05}$	$\ldots$	515^{+167}_{-110}	$1.67^{+0.19}_{-0.18}$	$64.7/59(0.29)$
Peak	$-9.164\ldots26.164$	**CPL**	$-0.91^{+0.06}_{-0.06}$	$\ldots$	421^{+74}_{-59}	$3.26^{+0.32}_{-0.31}$	$74.1/59(0.089)$

GRB 080905B $T_0 = 60945.40542$ s S1 (z=2.3739)

GRB 080905B

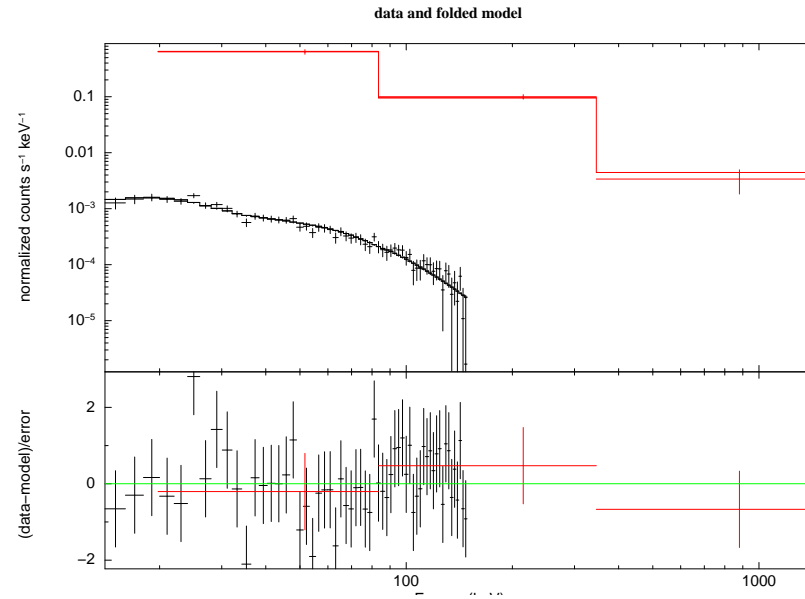Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-6.978\ldots104.894$	**GRBM**	$\mathbf{-1.44^{+1.40}_{-0.14}}$	$\mathbf{-3.00^{+1.21}_{-7.00}}$	$\mathbf{177^{+108}_{-68}}$	$\mathbf{0.38^{+0.17}_{-0.09}}$	$\mathbf{60.5/58(0.39)}$
		CPL	$-1.44^{+0.23}_{-0.17}$	$\ldots$	181^{+316}_{-71}	$0.38^{+0.15}_{-0.09}$	$60.5/59(0.42)$
Peak	$-1.09\ldots4.798$	**CPL**	$\mathbf{-1.18^{+0.13}_{-0.12}}$	$\ldots$	$\mathbf{433^{+277}_{-137}}$	$\mathbf{3.97^{+0.76}_{-0.70}}$	$\mathbf{55.8/59(0.59)}$

GRB 080906 T_0 = 48796.34722 s S1 (z=2.13)
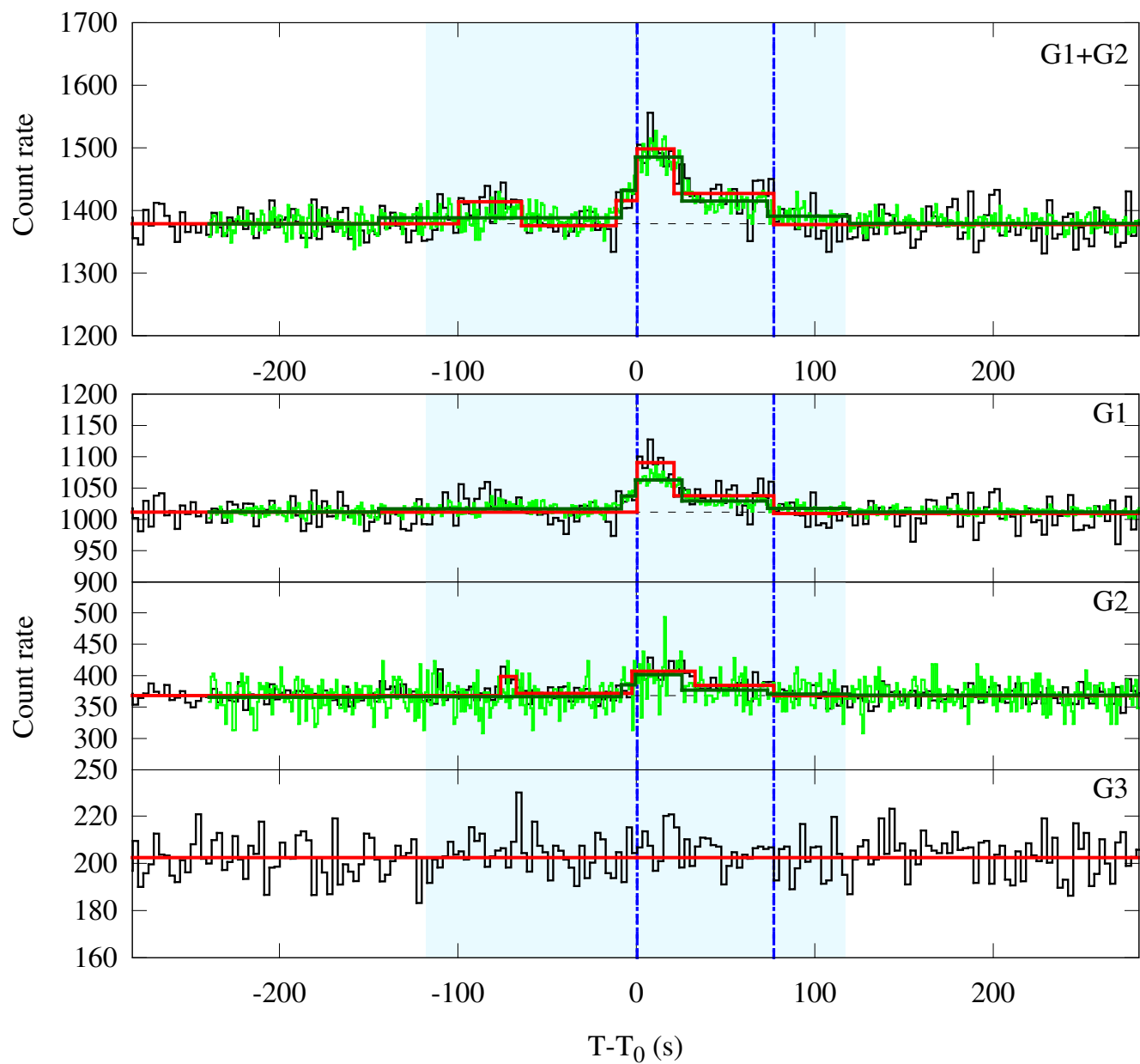
GRB 080906

data and folded model

Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$0.485\ldots77.029$	**CPL**	$-1.42^{+0.07}_{-0.06}$	$\ldots$	483^{+417}_{-170}	$1.15^{+0.18}_{-0.17}$	$45.1/59(0.91)$

GRB 080913 T_0 = 24414.122140 s S1 (z=6.7)
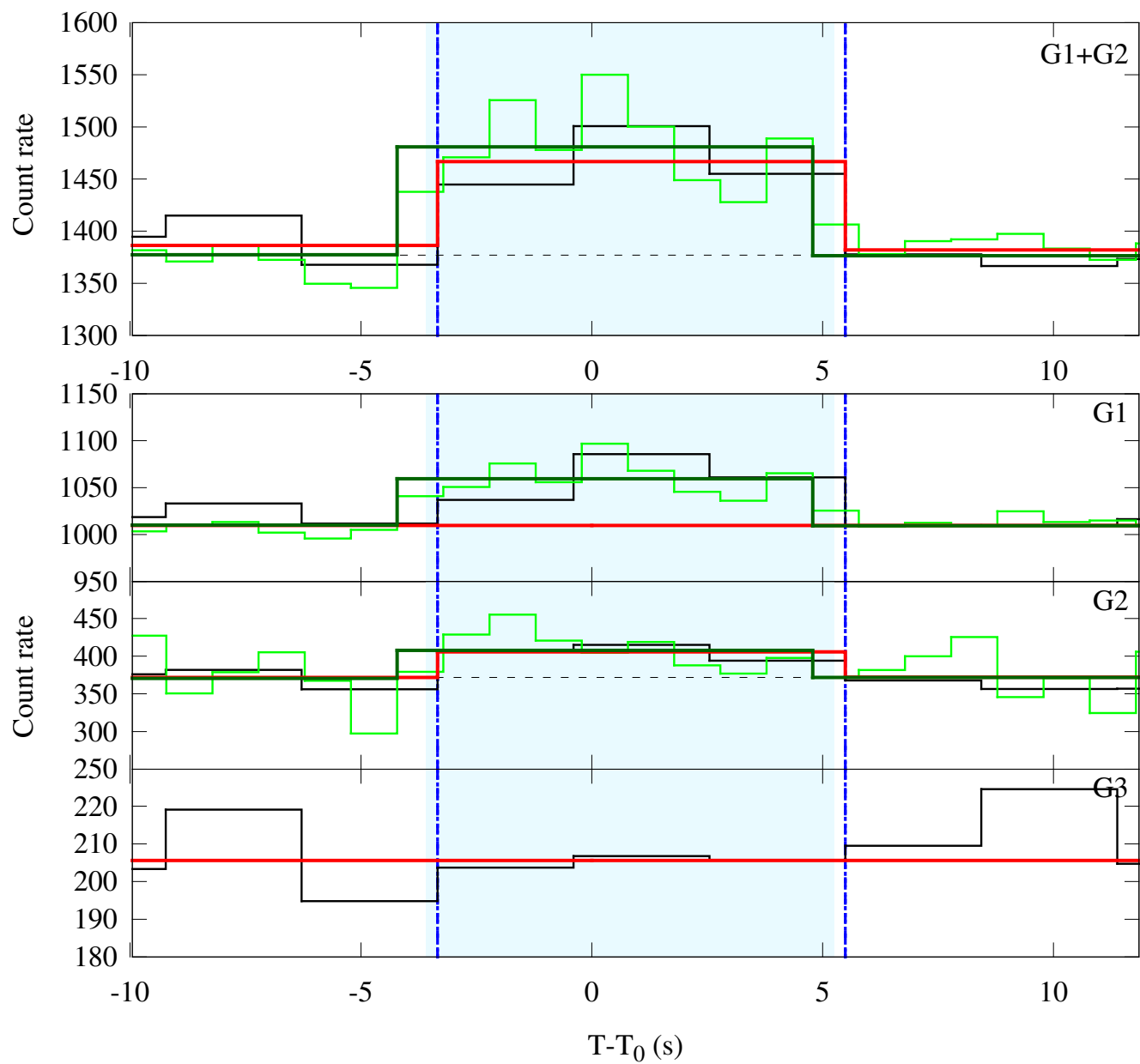
GRB 080913
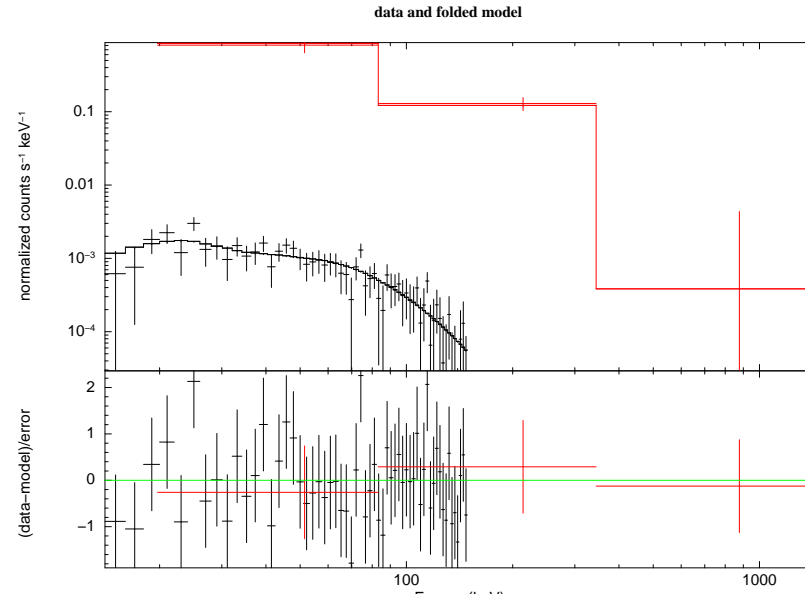
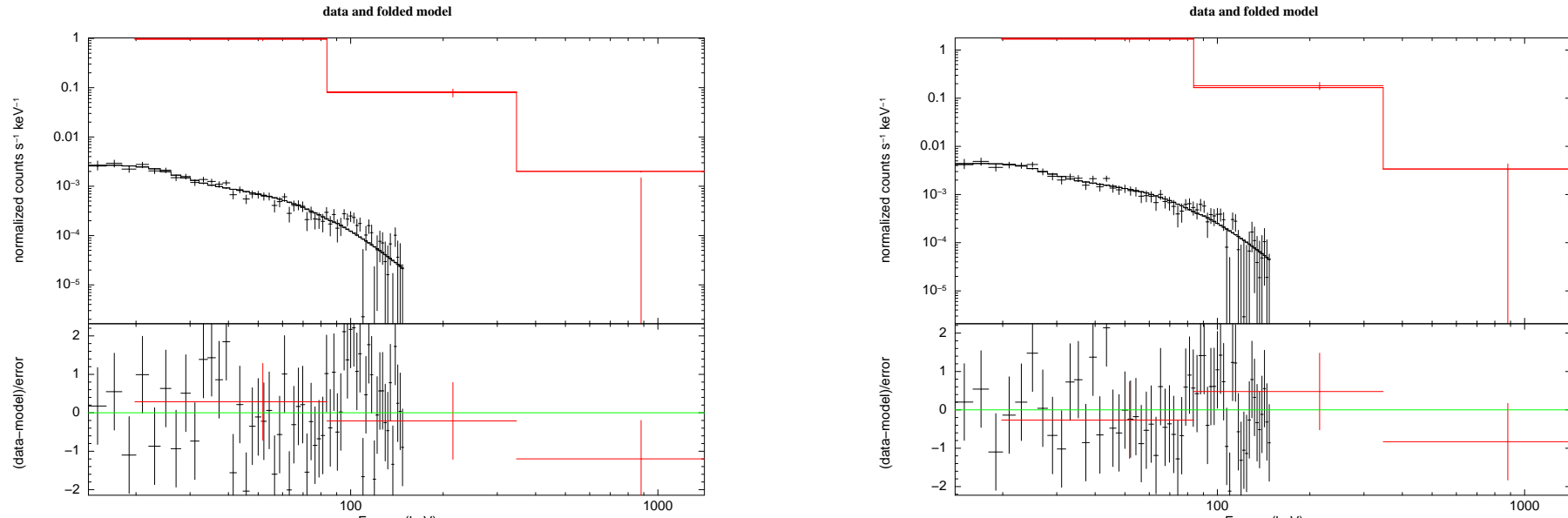Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}\ \mathrm{erg\ cm}^{-2}\ \mathrm{s}^{-1})$	χ^2/dof (Prob.)
Time-integrated	$-3.34\ldots5.492$	**CPL**	$-0.47^{+0.39}_{-0.33}$	...	115^{+35}_{-19}	$0.86^{+0.18}_{-0.12}$	$40.0/59(0.97)$

GRB 080928 T_0 = 54092.86672 s S1 (z=1.6919)
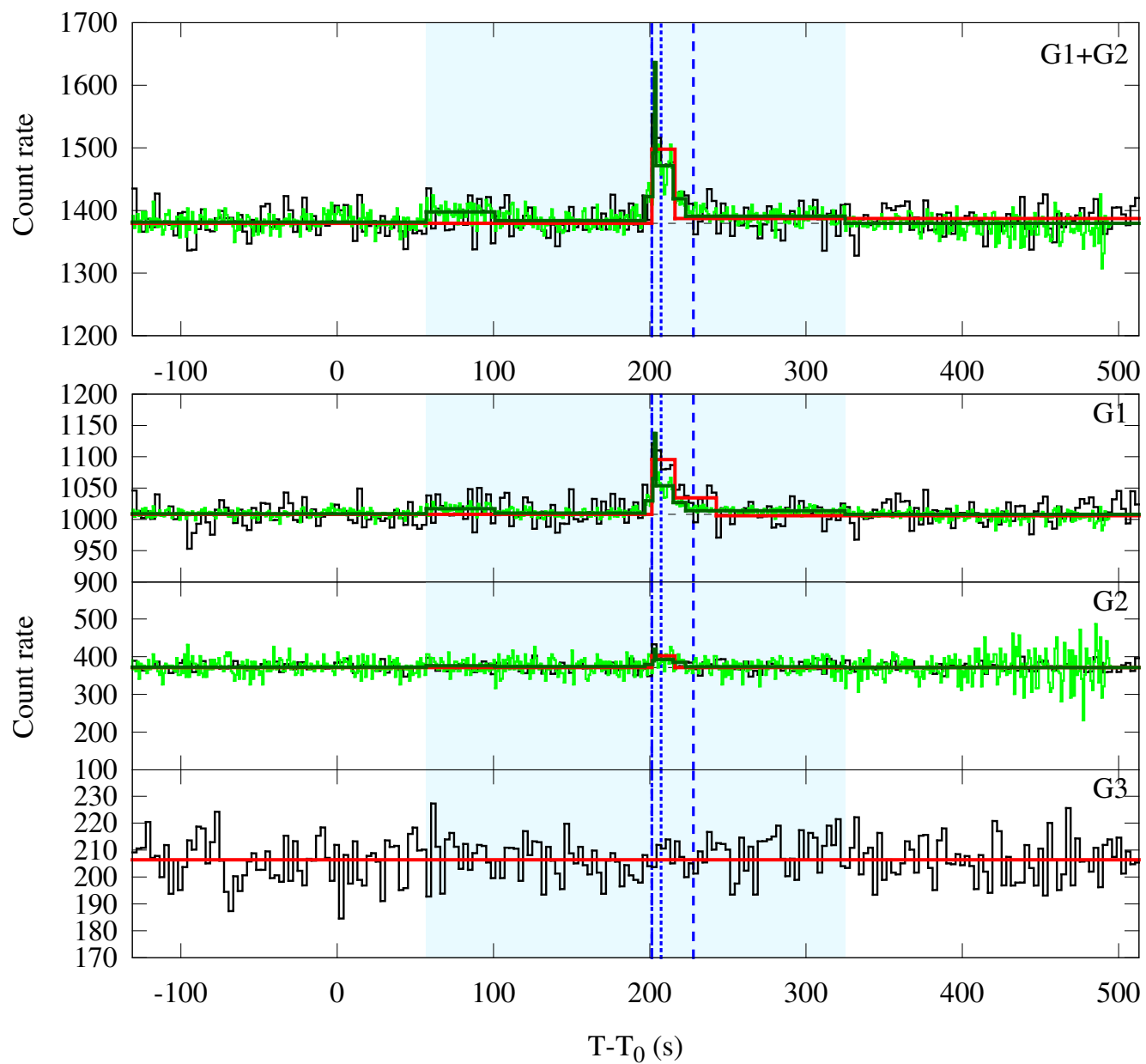
GRB 080928

Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$201.394\ldots227.89$	**CPL**	$\mathbf{-1.67^{+0.12}_{-0.10}}$	...	$\mathbf{156^{+196}_{-53}}$	$\mathbf{0.90^{+0.21}_{-0.14}}$	$\mathbf{73.2/59(0.1)}$
Peak	$201.394\ldots207.282$	**CPL**	$\mathbf{-1.50^{+0.15}_{-0.12}}$	...	$\mathbf{158^{+144}_{-50}}$	$\mathbf{1.66^{+0.46}_{-0.29}}$	$\mathbf{46.9/59(0.87)}$

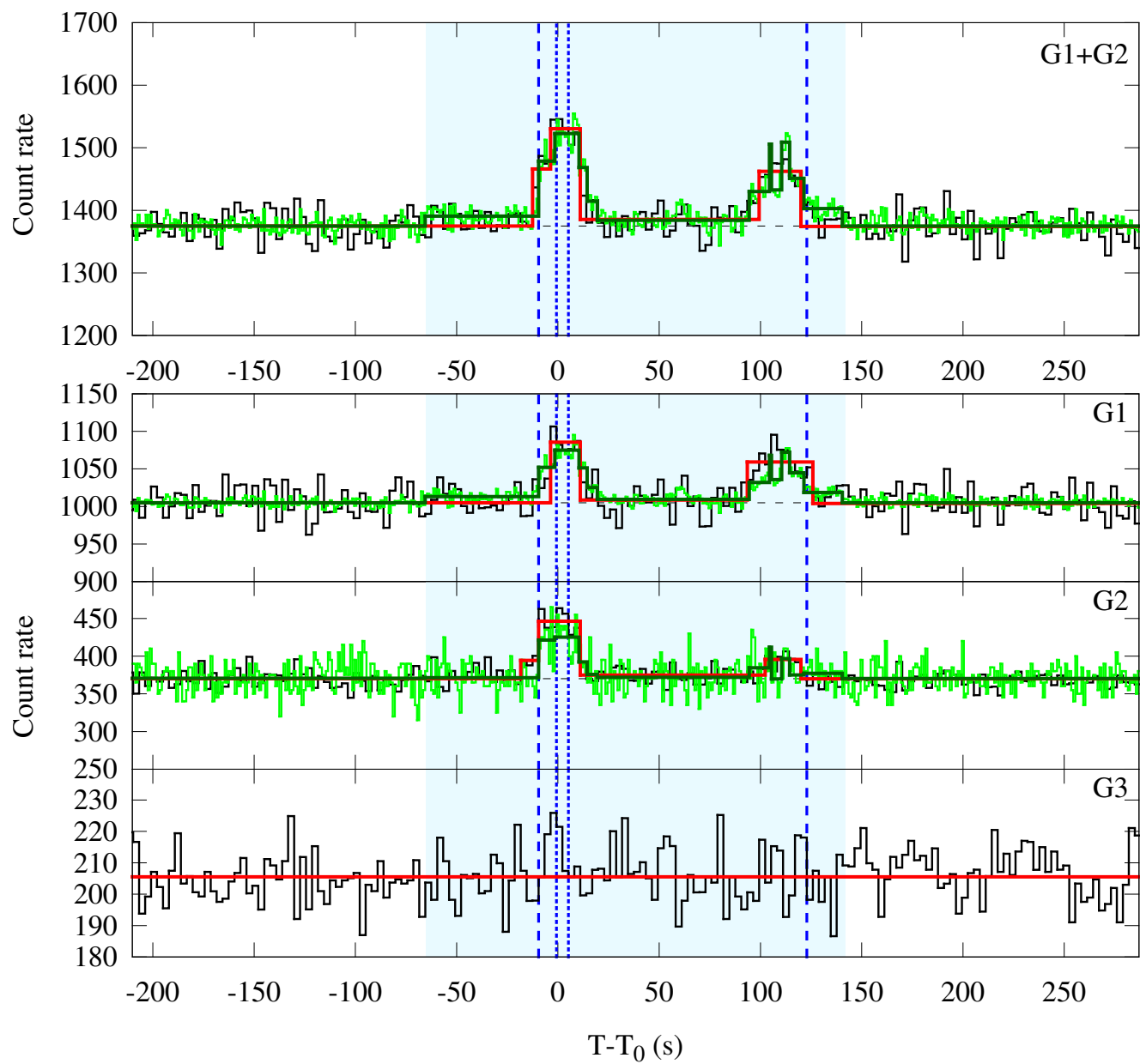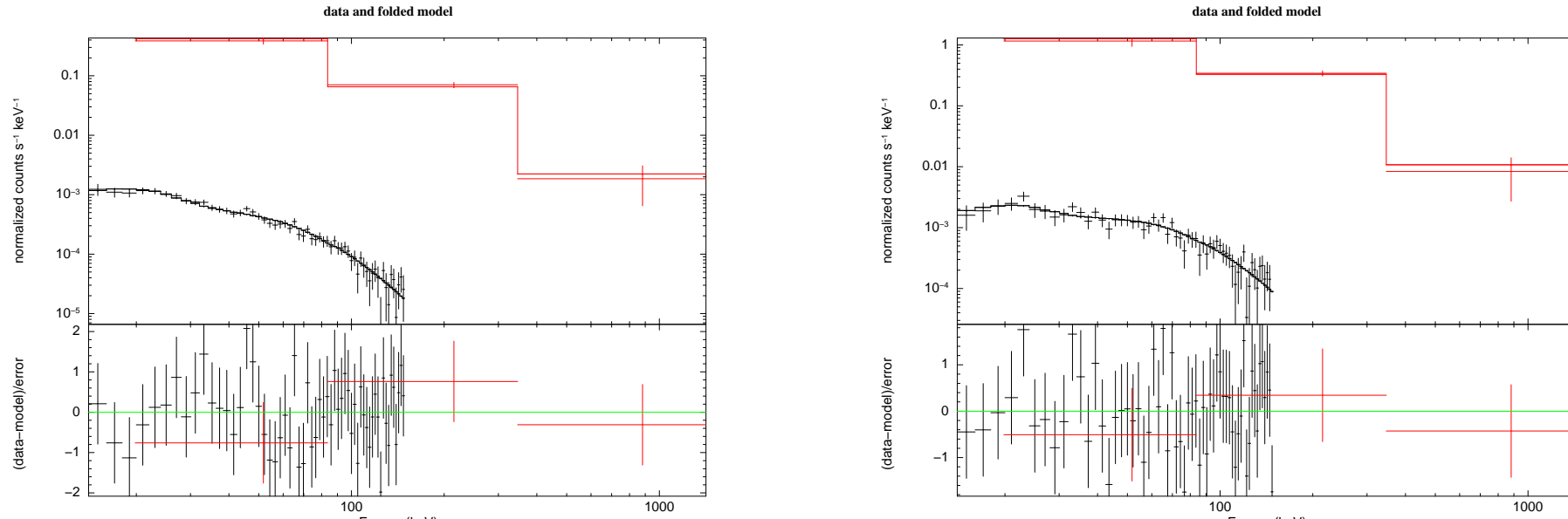GRB 081008 T_0 = 71889.3845 s S1 (z=1.9685)

GRB 081008

Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$-9.55\ldots122.93$	**CPL**	$-1.43^{+0.09}_{-0.07}$	$\ldots$	310^{+245}_{-106}	$0.76^{+0.15}_{-0.13}$	$39.4/59(0.98)$
Peak	$-0.718\ldots5.17$	**CPL**	$-0.81^{+0.14}_{-0.12}$	$\ldots$	300^{+94}_{-65}	$3.33^{+0.67}_{-0.56}$	$44.1/59(0.93)$

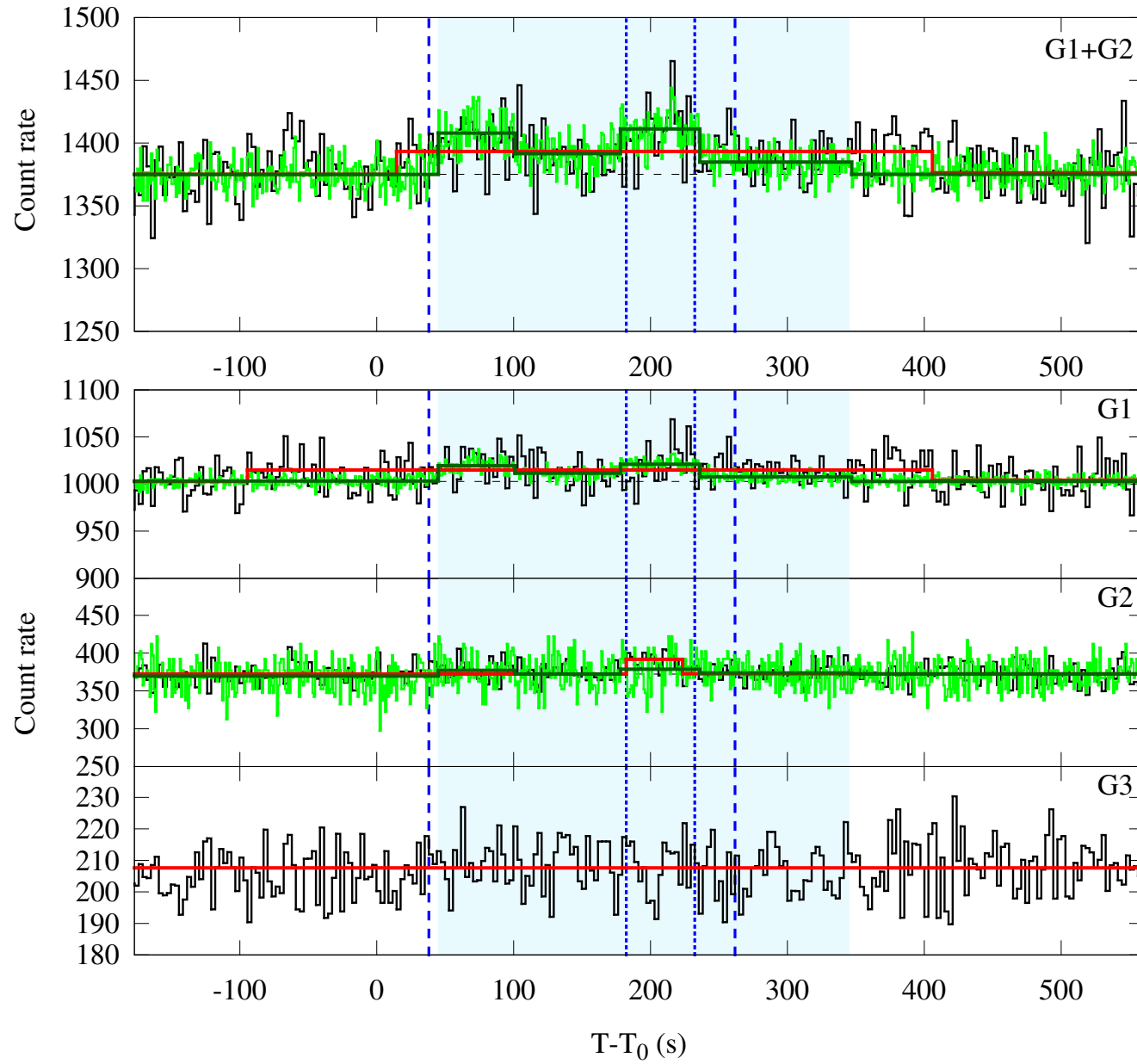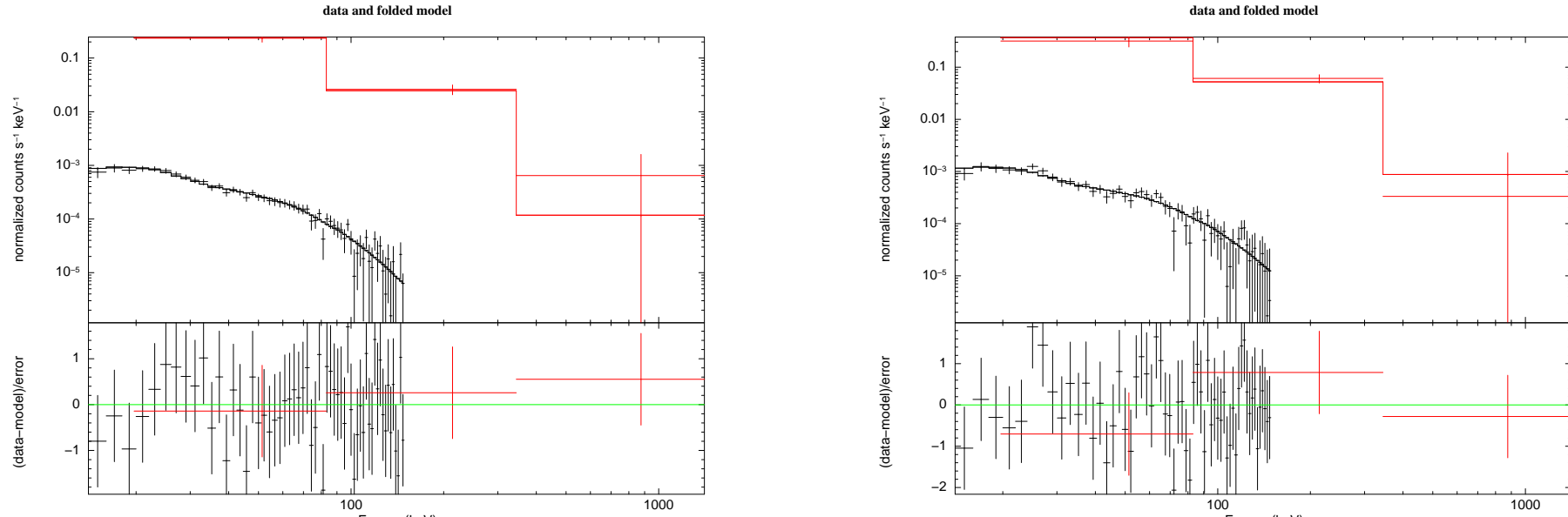GRB 081028A T_0 = 1500.79076 s S1 (z=3.038)

GRB 081028A

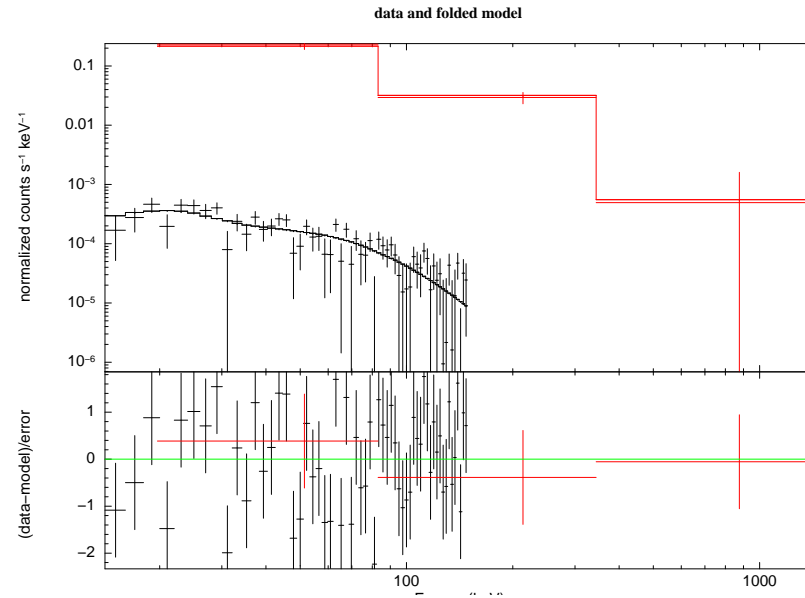Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$37.999\ldots261.743$	**CPL**	$\mathbf{-1.37^{+0.18}_{-0.16}}$	$\ldots$	$\mathbf{77^{+20}_{-10}}$	$\mathbf{0.29^{+0.04}_{-0.03}}$	$\mathbf{36.3/59(0.99)}$
Peak	$182.255\ldots232.303$	**CPL**	$\mathbf{-1.45^{+0.19}_{-0.15}}$	$\ldots$	$\mathbf{142^{+157}_{-46}}$	$\mathbf{0.60^{+0.21}_{-0.12}}$	$\mathbf{44.6/59(0.92)}$

GRB 081029 T_0 = 6236.78802 s S1 (z=3.8479)
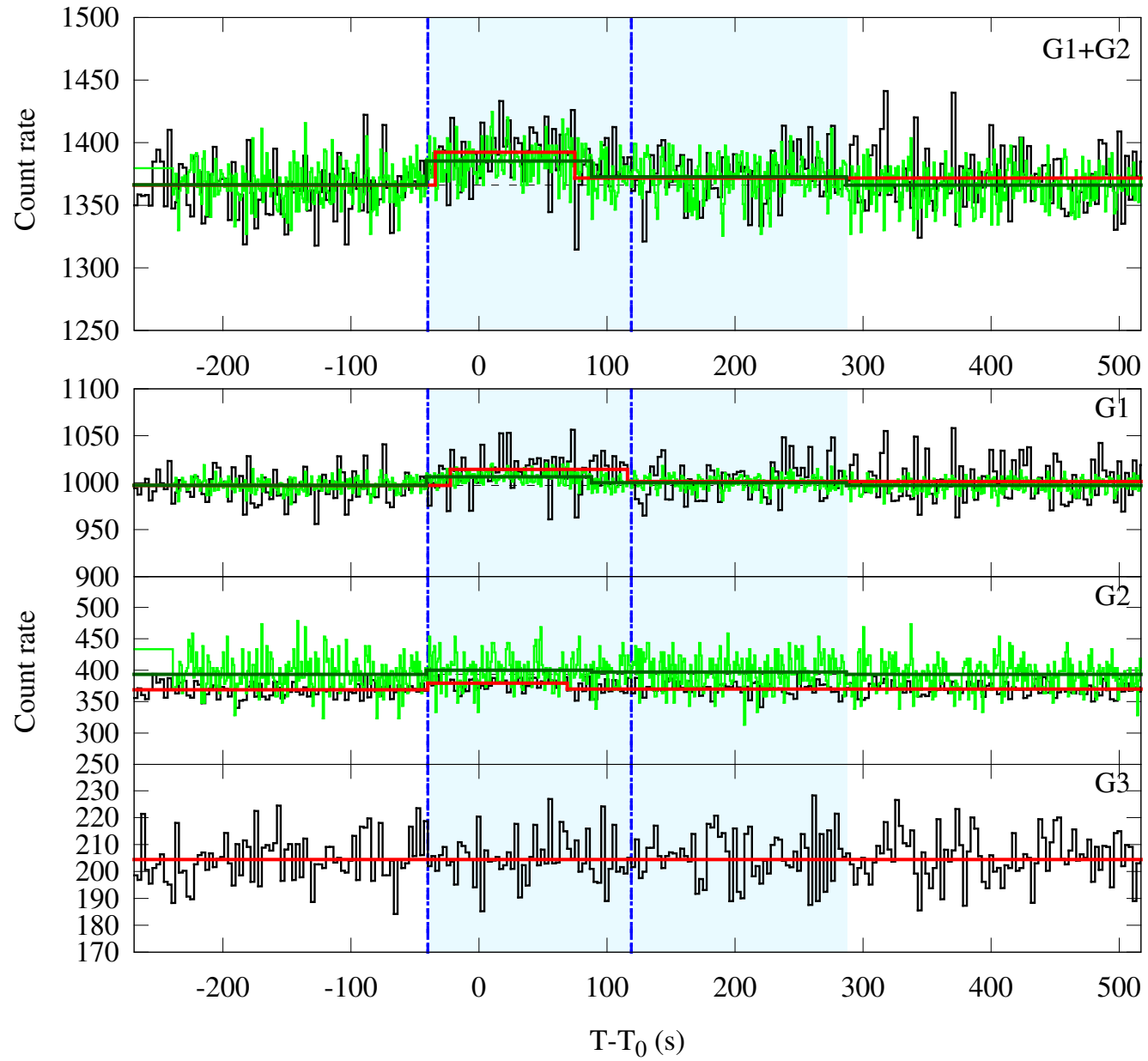
GRB 081029

data and folded model

Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$-39.984\ldots118.992$	**CPL**	$\mathbf{-1.12^{+0.28}_{-0.22}}$	...	$\mathbf{183^{+166}_{-60}}$	$\mathbf{0.27^{+0.11}_{-0.06}}$	$\mathbf{64.4/59(0.29)}$

GRB 081109A $T_0 = 25326.61494$ s S1 (z=0.9787)
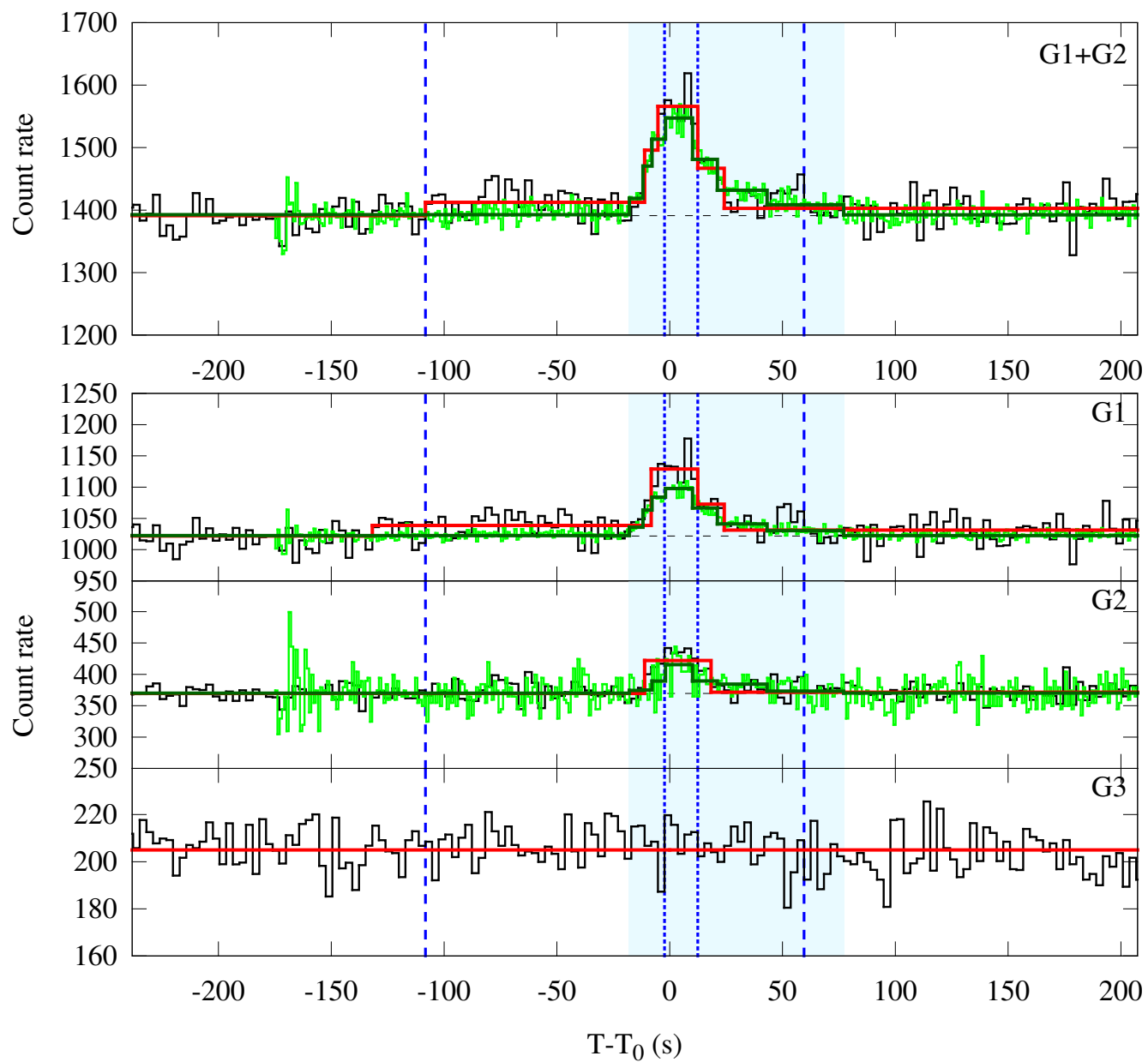
GRB 081109A
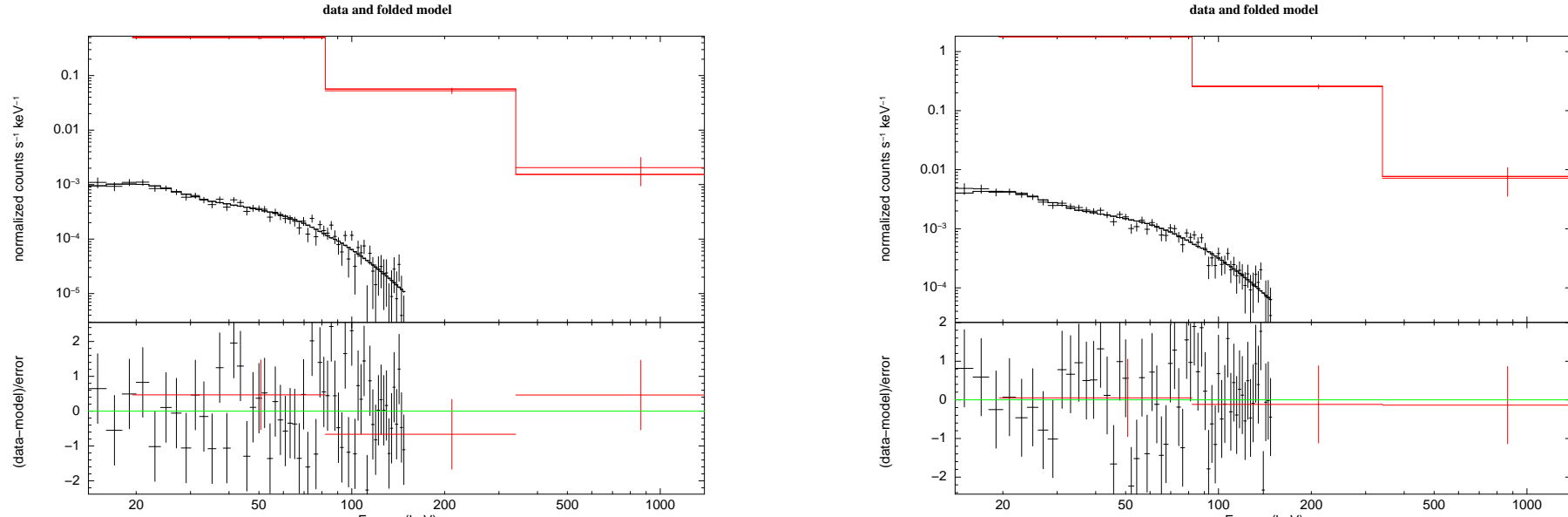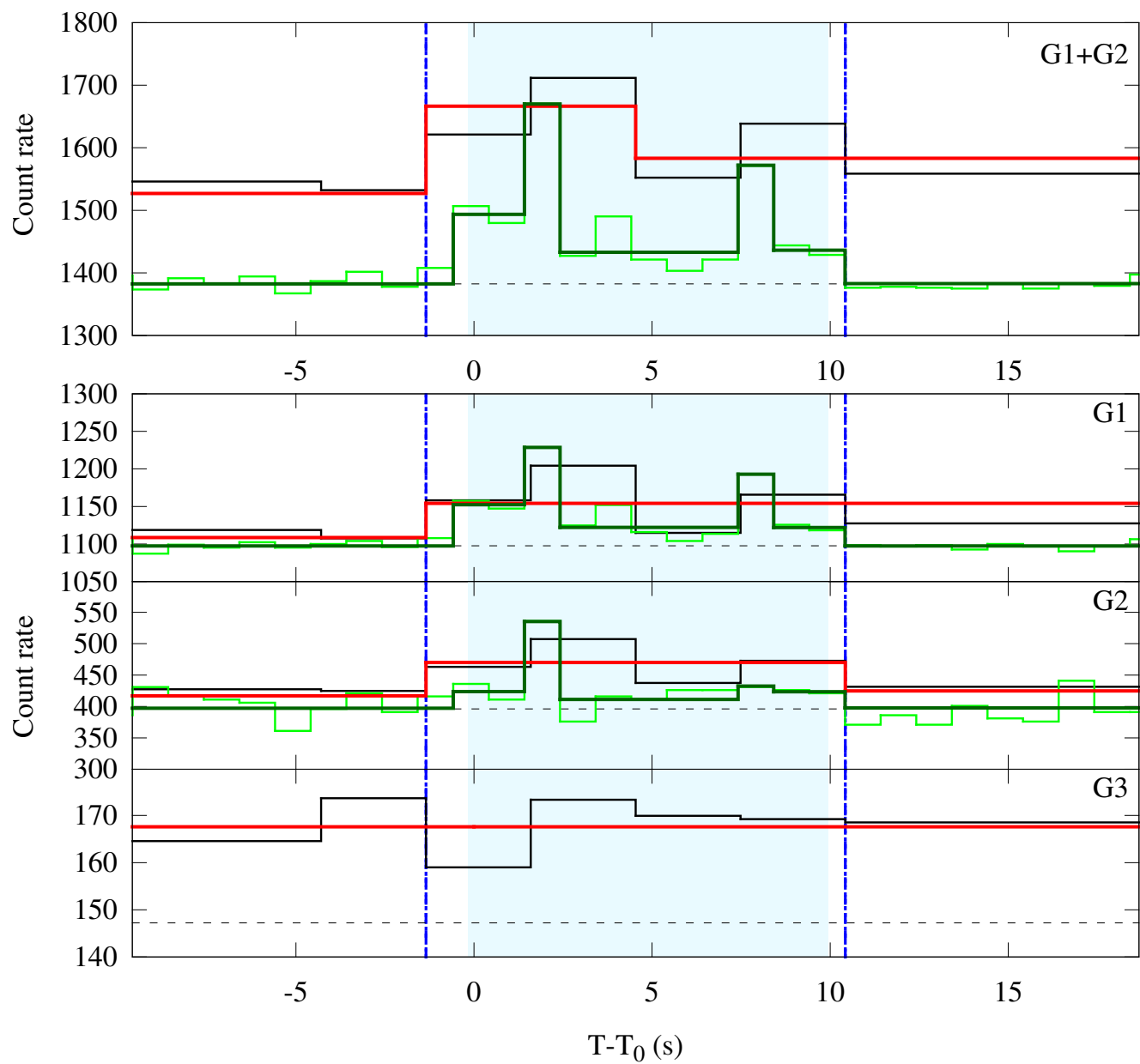

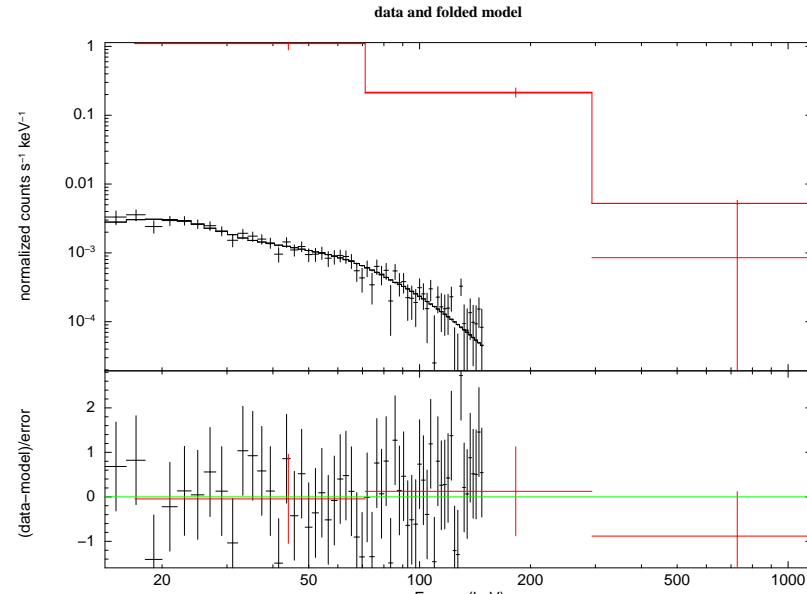Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-108.275\ldots59.533$	**GRBM**	$\mathbf{-1.30^{+0.17}_{-0.15}}$	$\mathbf{-2.25^{+0.28}_{-1.15}}$	$\mathbf{109^{+37}_{-21}}$	$\mathbf{0.61^{+0.11}_{-0.12}}$	$\mathbf{64.8/58(0.25)}$
		CPL	$-1.35^{+0.16}_{-0.14}$	$\ldots$	121^{+51}_{-23}	$0.50^{+0.09}_{-0.06}$	$66.0/59(0.25)$
Peak	$-2.291\ldots12.429$	**CPL**	$\mathbf{-1.43^{+0.09}_{-0.08}}$	$\ldots$	$\mathbf{255^{+133}_{-70}}$	$\mathbf{2.66^{+0.43}_{-0.36}}$	$\mathbf{59.2/59(0.47)}$

GRB 090113 T_0 = 67239.17056 s S2 (z=1.7493)

142

GRB 090113

Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	$\chi^2/$dof (Prob.)
Time-integrated	$-1.349\ldots10.427$	**CPL**	$\mathbf{-1.36^{+0.15}_{-0.12}}$	$\ldots$	$\mathbf{160^{+82}_{-41}}$	$\mathbf{1.72^{+0.37}_{-0.27}}$	$\mathbf{44.8/59(0.92)}$

GRB 090418A T_0 = 40060.22694 s S2 (z=1.608)
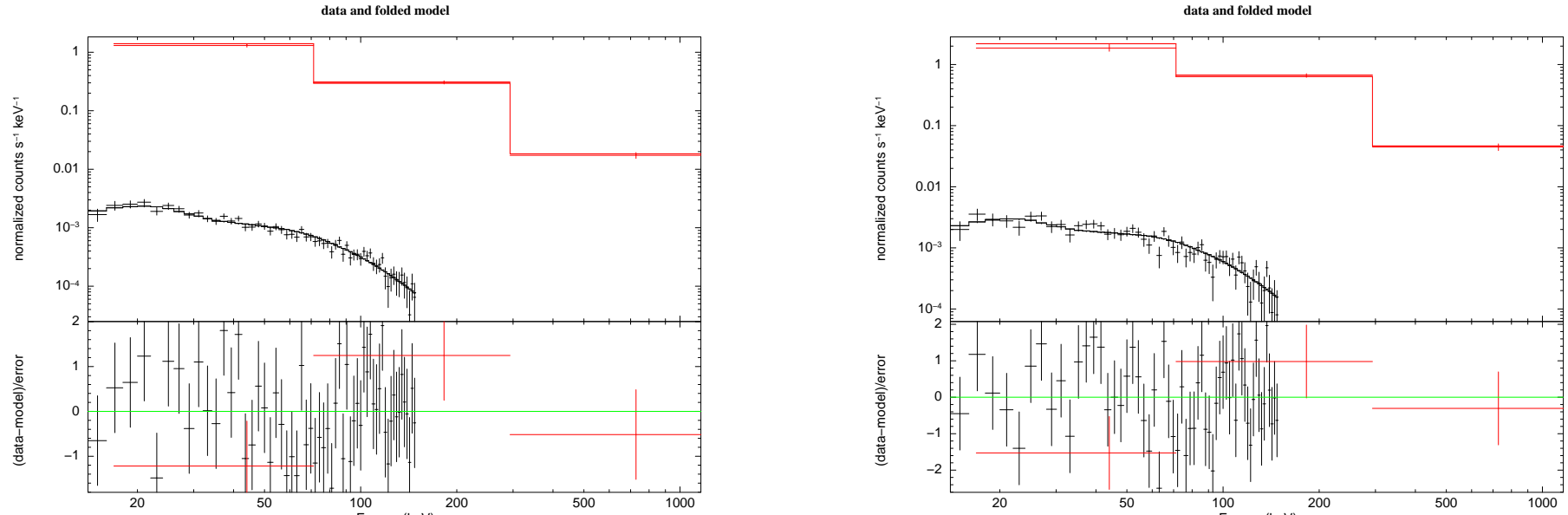
144

GRB 090418A

Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.
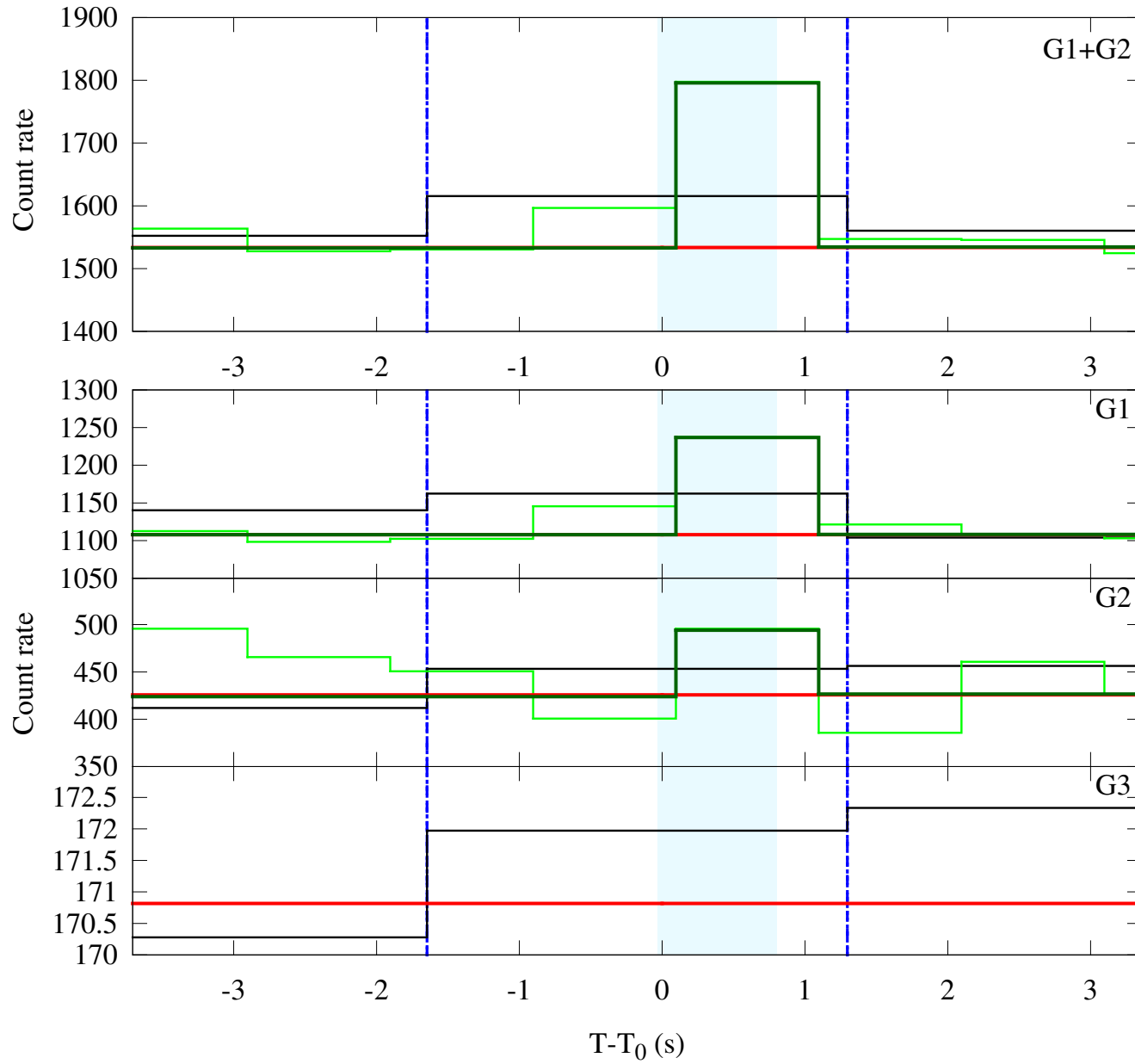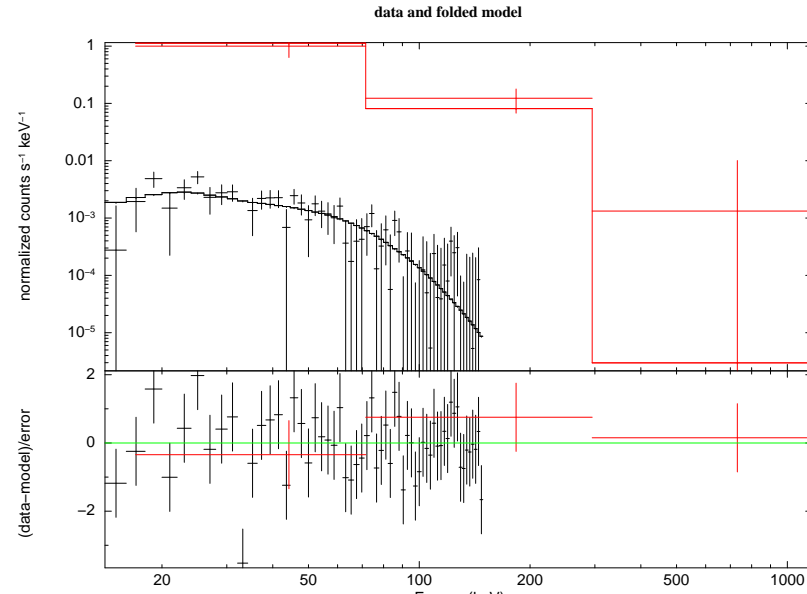
Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_p (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-3.764\ldots61.004$	**CPL**	$-1.20^{+0.05}_{-0.05}$	...	468^{+103}_{-74}	$2.74^{+0.21}_{-0.20}$	$53.7/59(0.67)$
Peak	$31.564\ldots40.396$	**CPL**	$-0.92^{+0.07}_{-0.07}$	...	490^{+102}_{-75}	$6.24^{+0.60}_{-0.57}$	$65.2/59(0.27)$

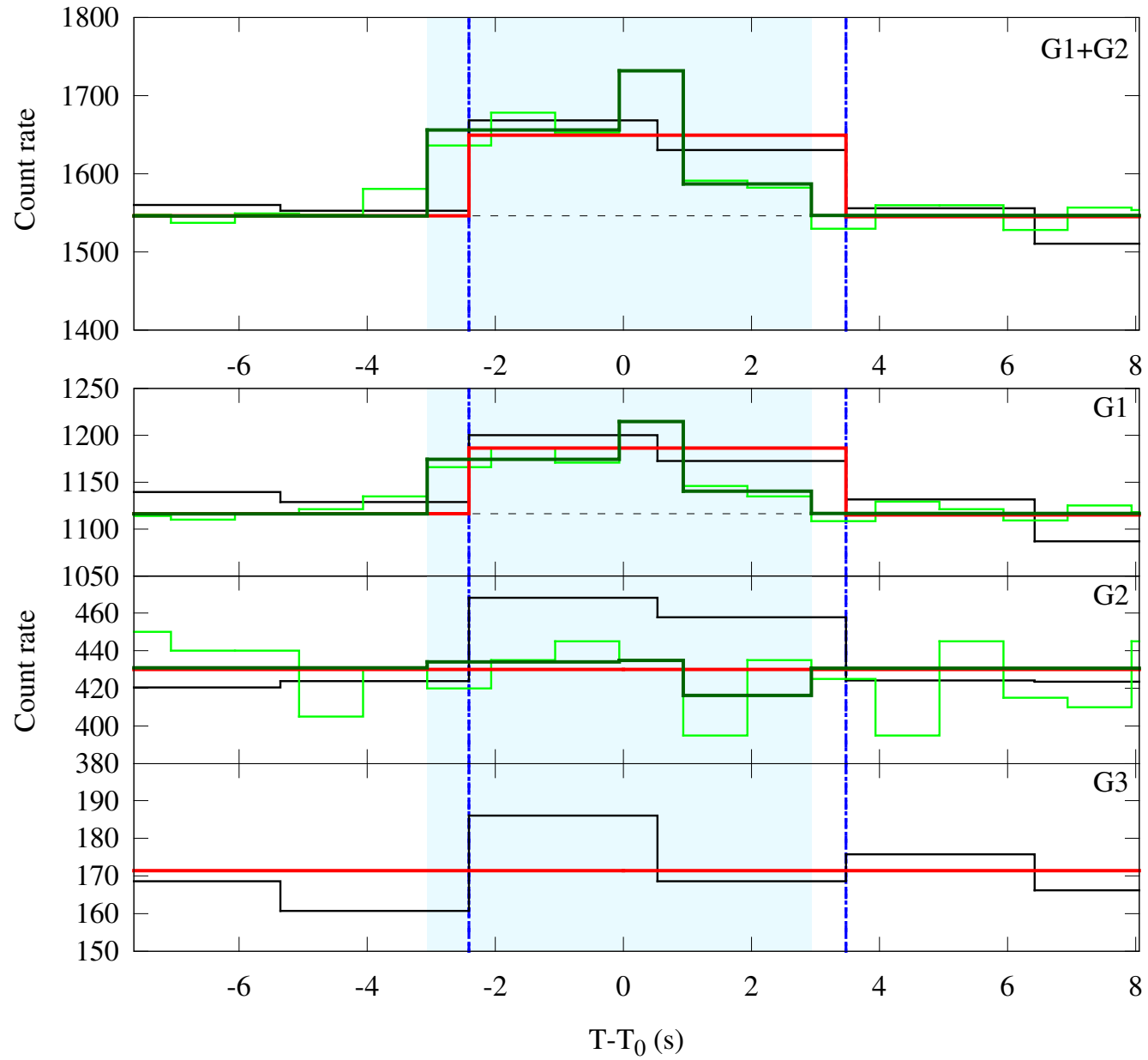GRB 090426 T_0 = 46127.2129 s S2 (z=2.609)

GRB 090426

Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_p (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-1.647\ldots1.297$	**CPL**	$\mathbf{0.27^{+0.98}_{-0.81}}$	...	$\mathbf{56^{+10}_{-6}}$	$\mathbf{0.61^{+0.09}_{-0.08}}$	$\mathbf{51.3/59(0.75)}$

GRB 090429B T_0 = 19803.36554 s S2 (z=9.38)

GRB 090429B
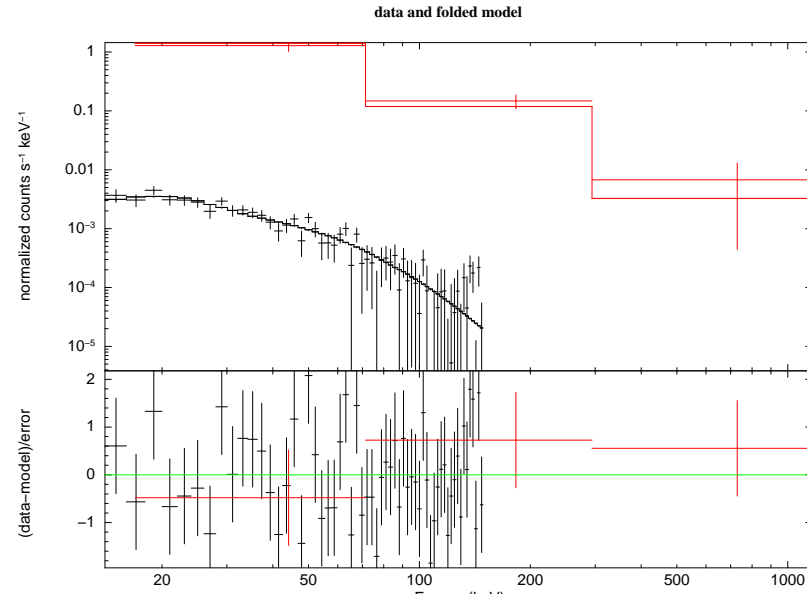
Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-2.411\ldots3.477$	**GRBM**	$\mathbf{-0.68^{+1.39}_{-0.67}}$	$\mathbf{-2.29^{+0.23}_{-0.44}}$	$\mathbf{41^{+11}_{-9}}$	$\mathbf{1.06^{+0.26}_{-0.23}}$	$\mathbf{54.3/58(0.62)}$
		CPL	$-1.22^{+0.42}_{-0.40}$	$\ldots$	50^{+13}_{-6}	$0.73^{+0.15}_{-0.08}$	$56.6/59(0.56)$

GRB 090516A $T_0 = 30470.77442$ s S1 (z=4.109)
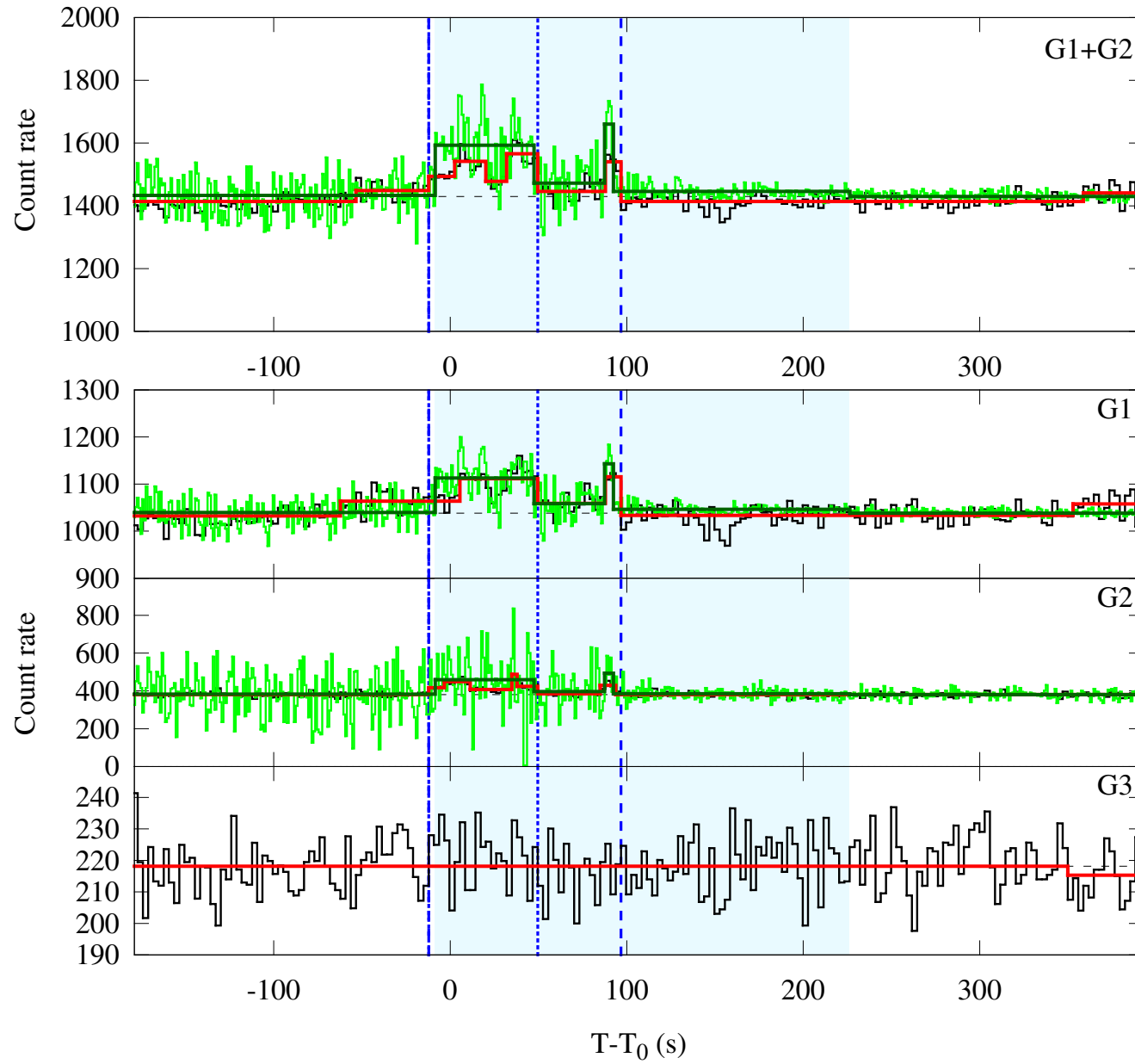
GRB 090516A
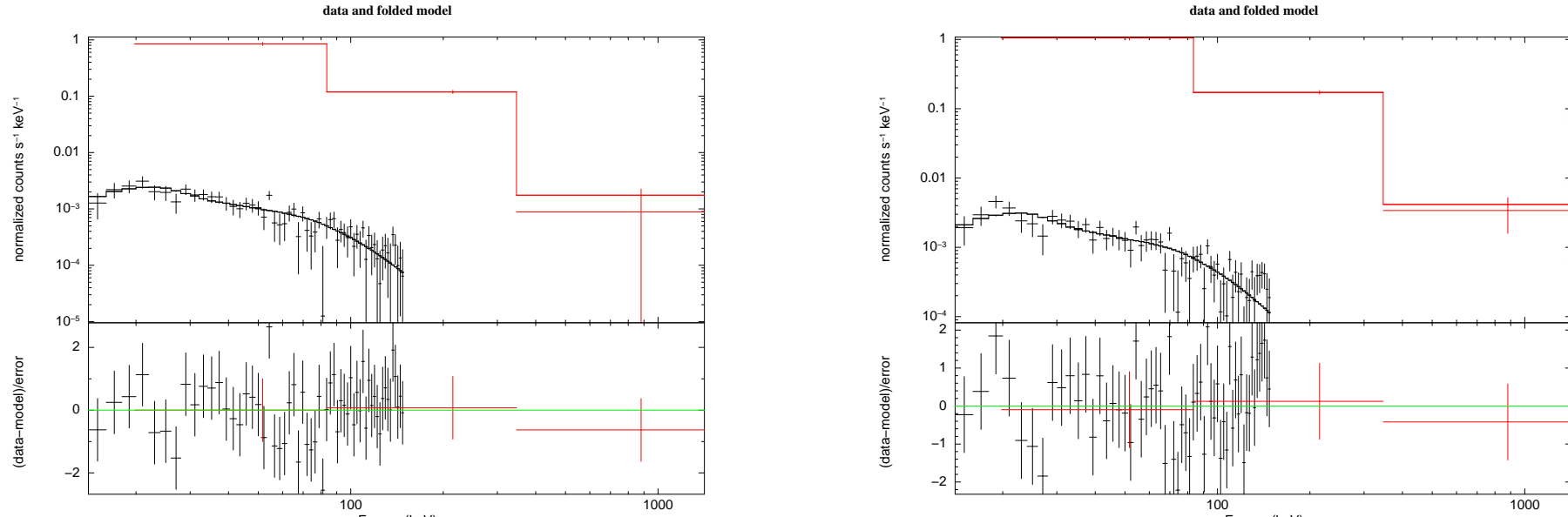
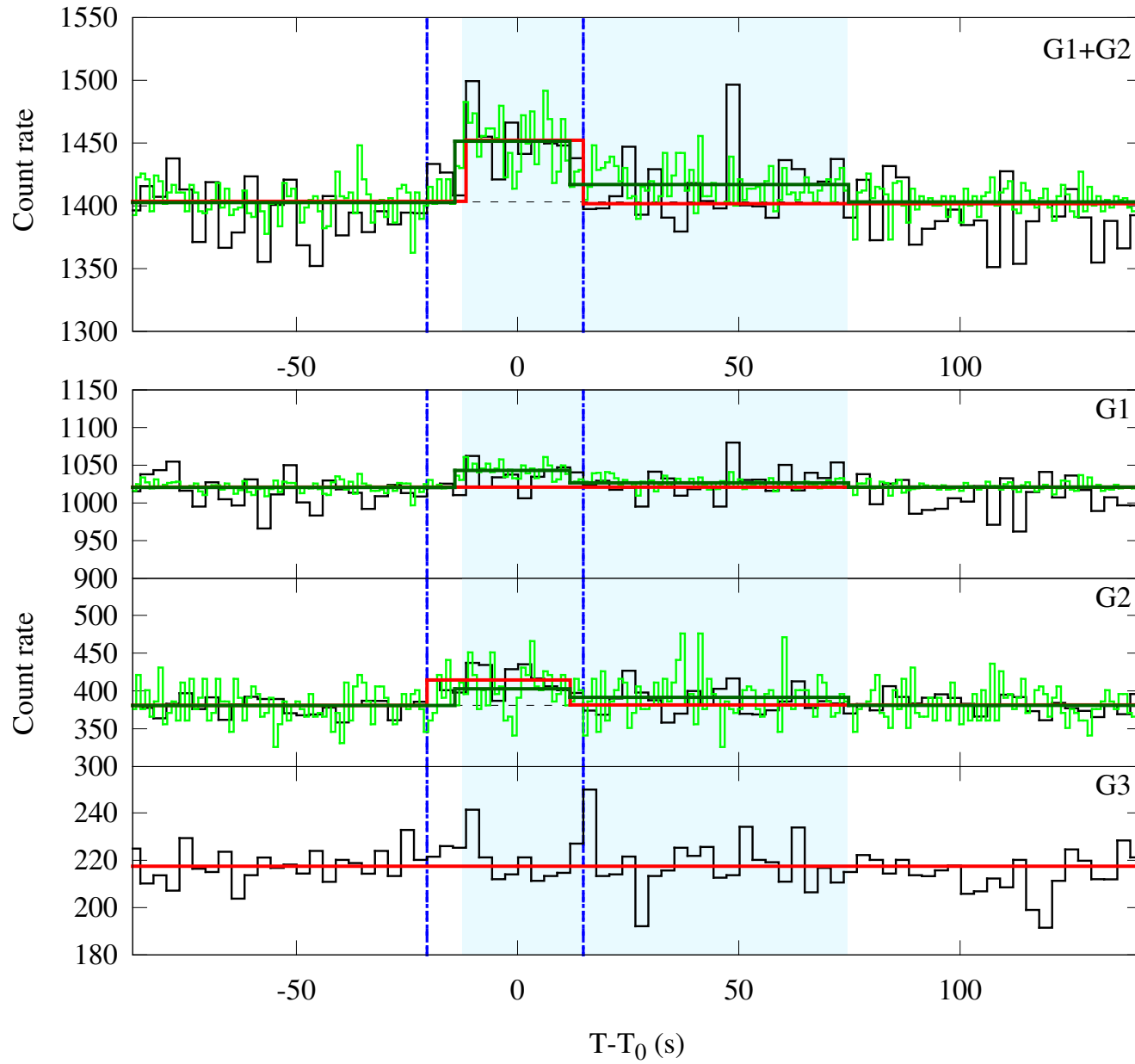Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$-12.197\ldots96.731$	**CPL**	$-1.31^{+0.17}_{-0.15}$	$\ldots$	149^{+39}_{-25}	$1.19^{+0.14}_{-0.11}$	$49.5/59(0.81)$
Peak	$-12.197\ldots49.627$	**CPL**	$-1.33^{+0.14}_{-0.12}$	$\ldots$	217^{+72}_{-45}	$1.85^{+0.23}_{-0.20}$	$61.0/59(0.4)$

GRB 090519 T_0 = 76136.42866 s S1 (z=3.85)

GRB 090519

Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$-20.484\ldots14.844$	**CPL**	$\mathbf{-0.06^{+0.28}_{-0.23}}$	...	$\mathbf{296^{+70}_{-54}}$	$\mathbf{1.33^{+0.29}_{-0.25}}$	$\mathbf{57.2/59(0.54)}$

GRB 090530 T_0 = 11898.3843 s S2 (z=1.266)
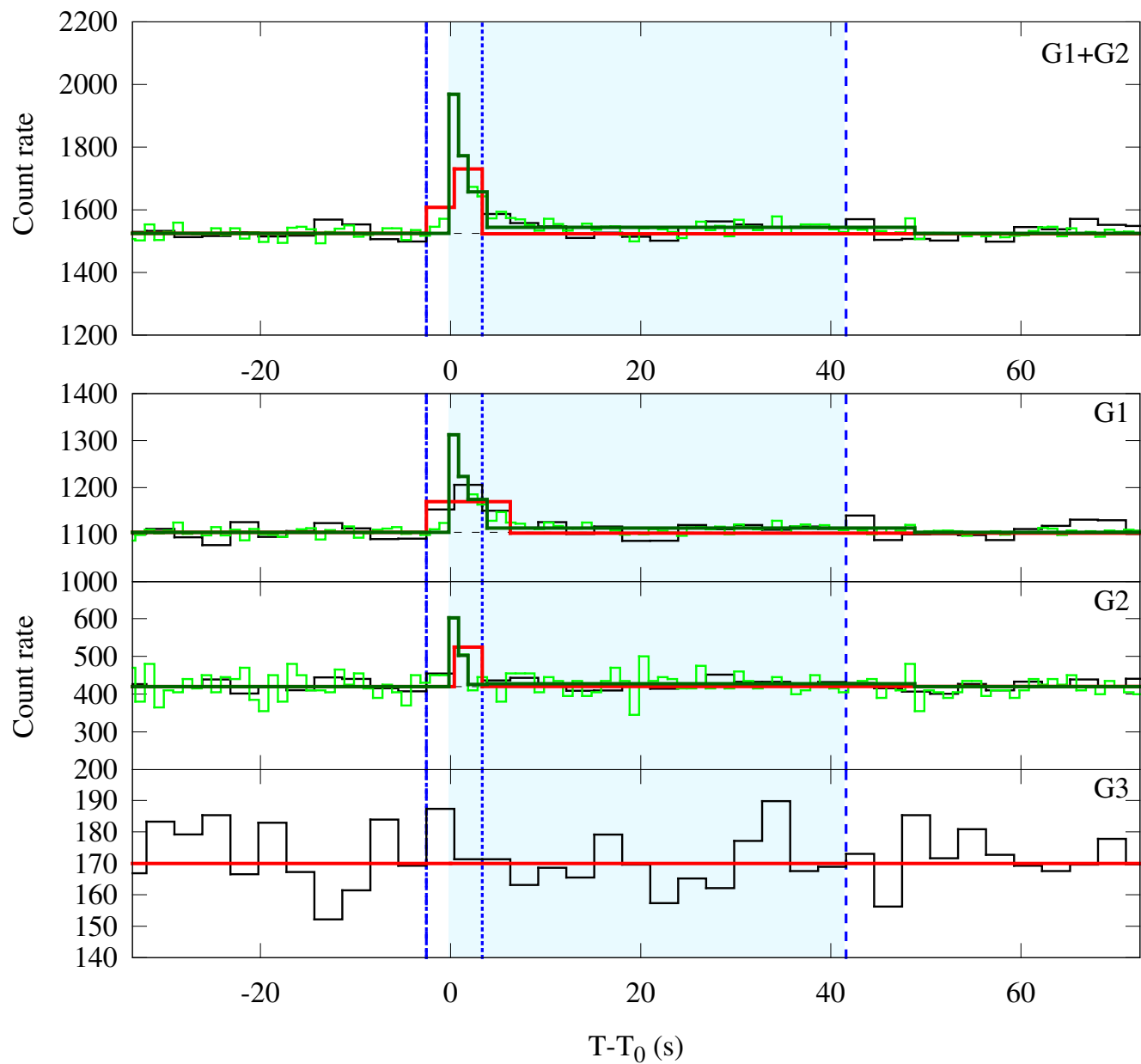
GRB 090530
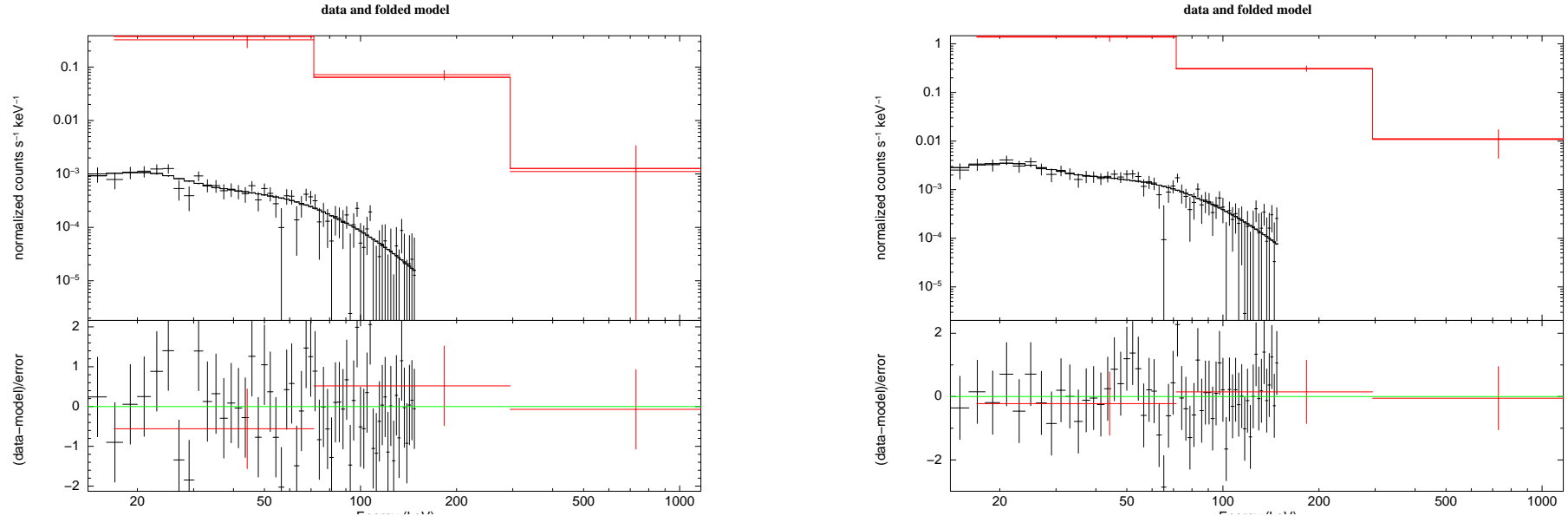
Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.
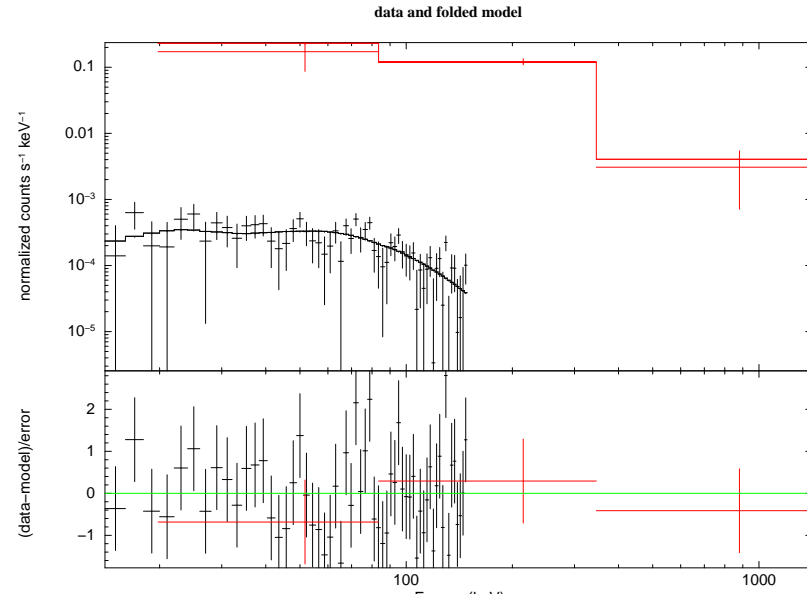
Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$-2.554\ldots41.606$	**GRBM**	$\mathbf{-1.21^{+0.48}_{-0.22}}$	$\mathbf{-2.93^{+1.07}_{-7.07}}$	$\mathbf{122^{+79}_{-51}}$	$\mathbf{0.49^{+0.27}_{-0.12}}$	$\mathbf{50.1/58(0.76)}$
		CPL	$-1.23^{+0.32}_{-0.24}$	$\ldots$	127^{+120}_{-39}	$0.46^{+0.18}_{-0.09}$	$50.1/59(0.79)$
Peak	$-2.554\ldots3.334$	**GRBM**	$\mathbf{-1.01^{+0.61}_{-0.25}}$	$\mathbf{-2.23^{+0.51}_{-7.77}}$	$\mathbf{146^{+118}_{-69}}$	$\mathbf{2.69^{+0.81}_{-0.67}}$	$\mathbf{41.6/58(0.95)}$
		CPL	$-1.14^{+0.21}_{-0.15}$	$\ldots$	204^{+117}_{-63}	$2.40^{+0.64}_{-0.49}$	$41.9/59(0.96)$

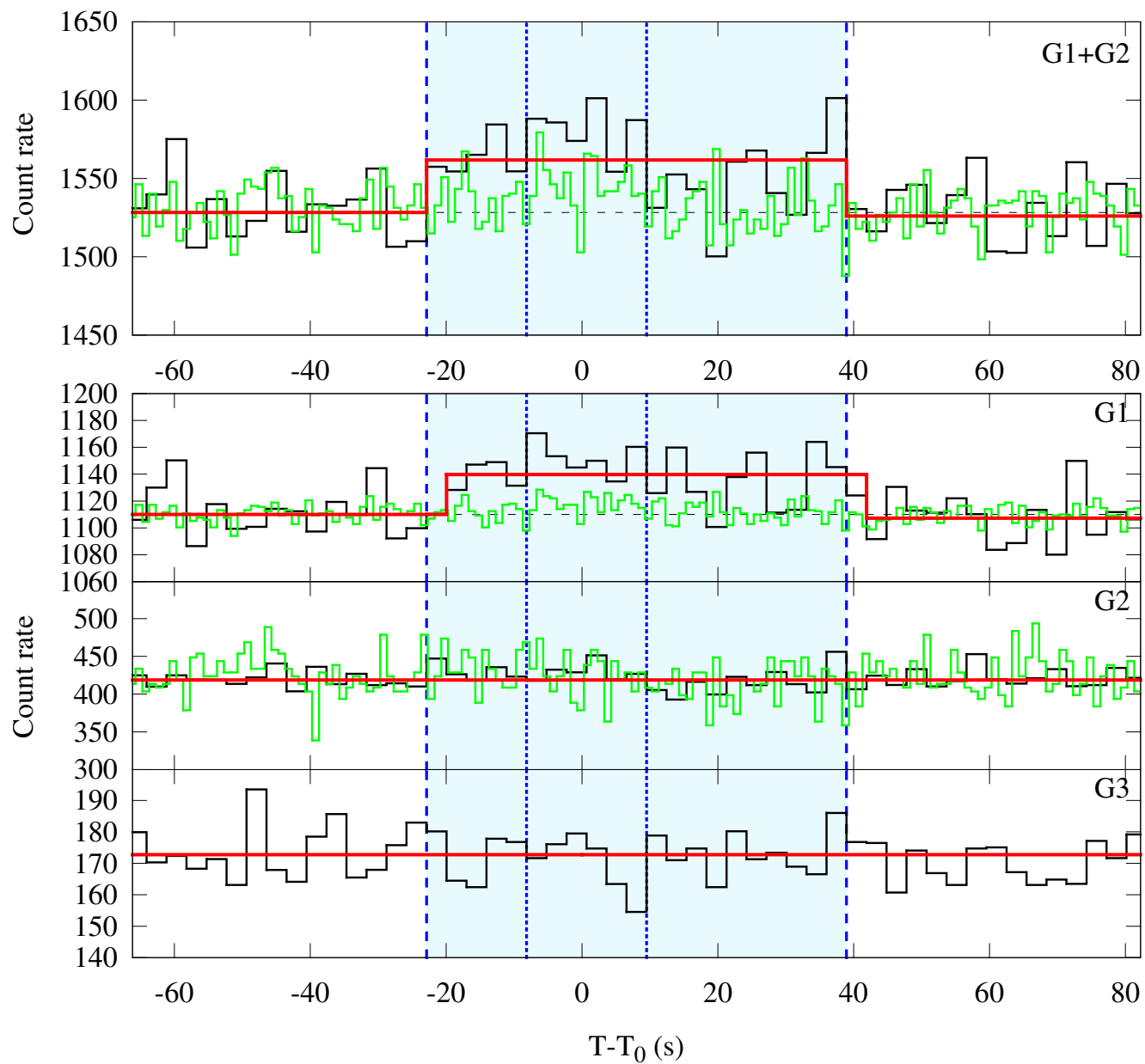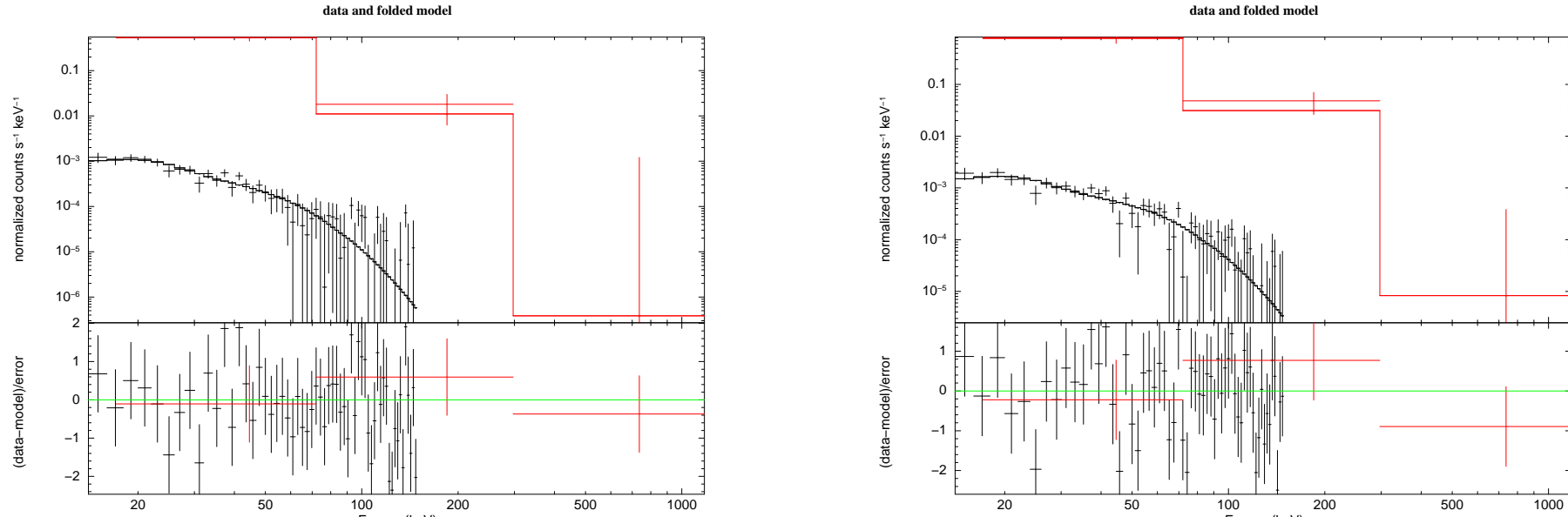GRB 090726 T_0 = 81747.75916 s S2 (z=2.71)

GRB 090726

Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$-22.879\ldots38.945$	**CPL**	$-1.03^{+0.63}_{-0.55}$	$\ldots$	29^{+4}_{-8}	$0.15^{+0.02}_{-0.01}$	$58.8/59(0.48)$
Peak	$-8.159\ldots9.505$	**CPL**	$-0.93^{+0.55}_{-0.48}$	$\ldots$	43^{+6}_{-5}	$0.28^{+0.04}_{-0.03}$	$56.1/59(0.58)$

GRB 090814A $T_0 = 3139.00446$ s S2 (z=0.696)
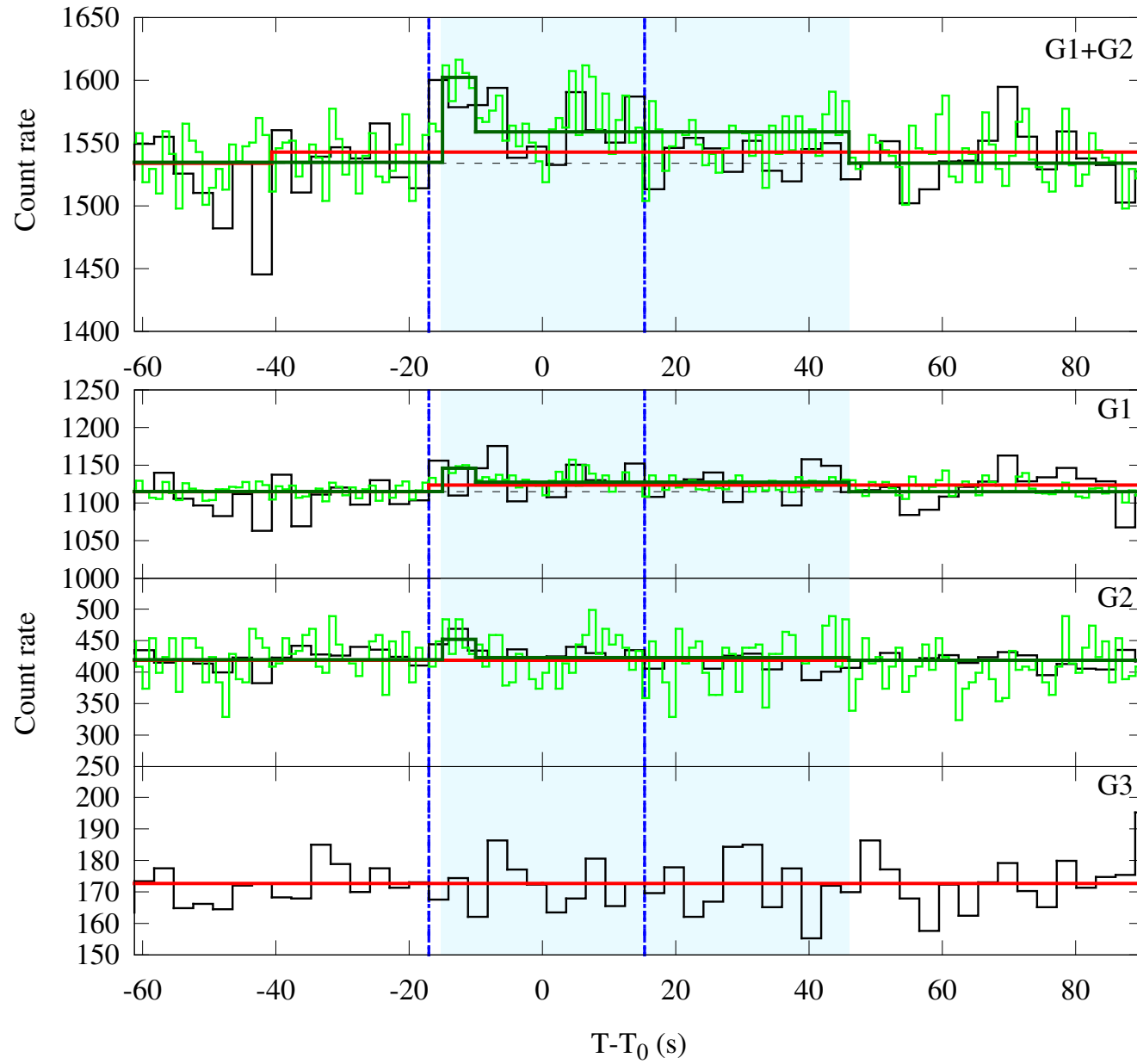
GRB 090814A

Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$-17.05\ldots15.334$	**CPL**	$-0.47^{+0.62}_{-0.49}$	...	87^{+35}_{-16}	$0.30^{+0.08}_{-0.05}$	$49.8/59(0.8)$

GRB 090926B T_0 = 78948.41622 s S1 (z=1.24)
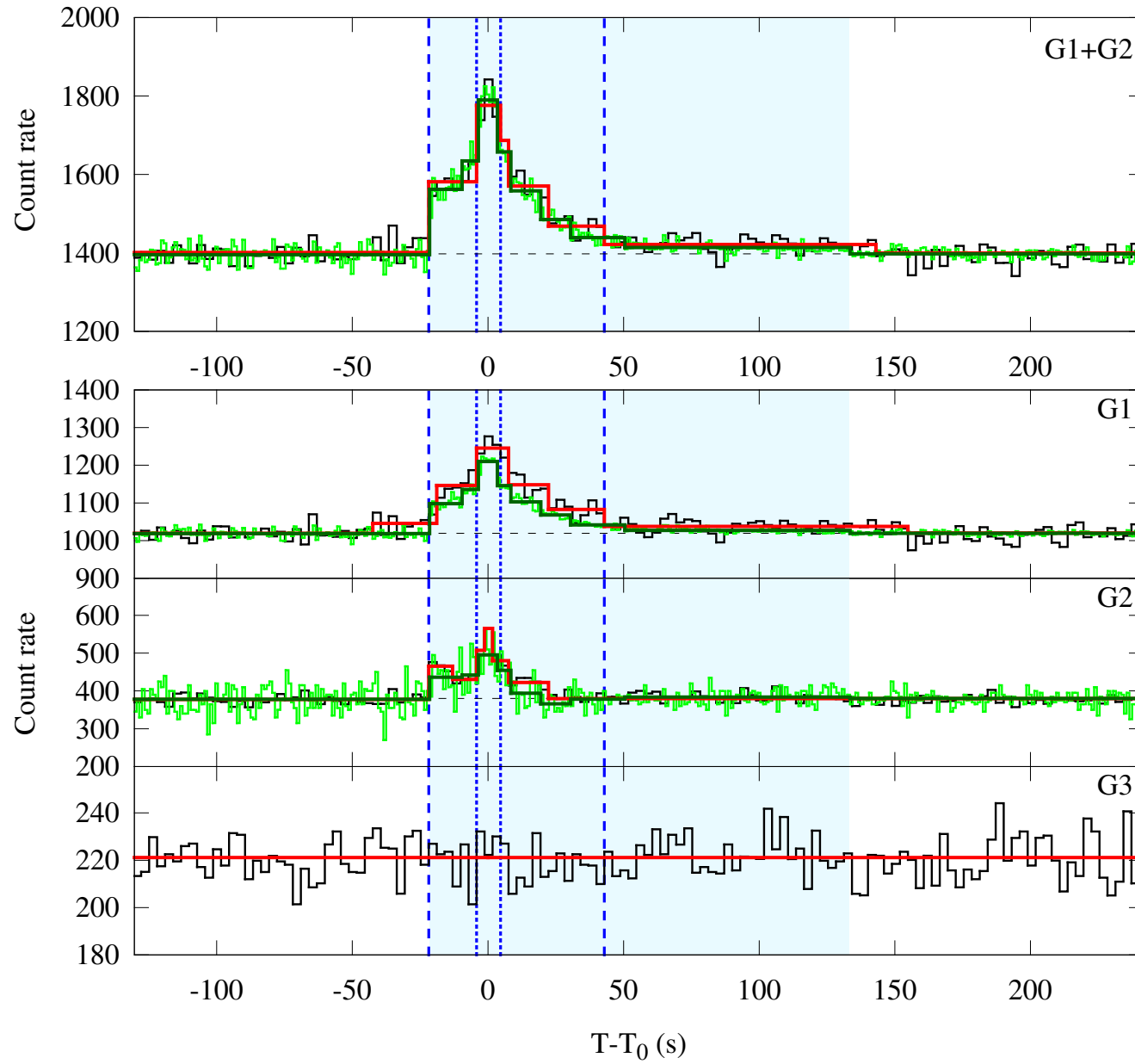
GRB 090926B

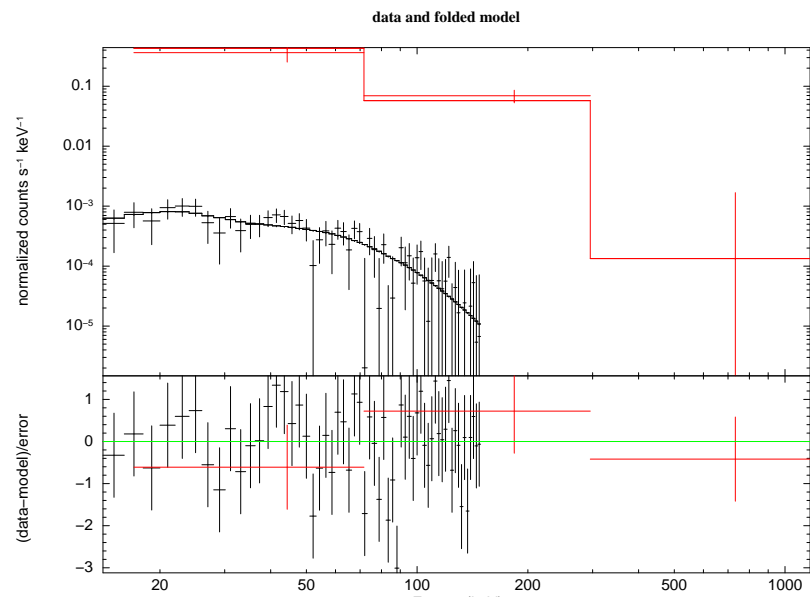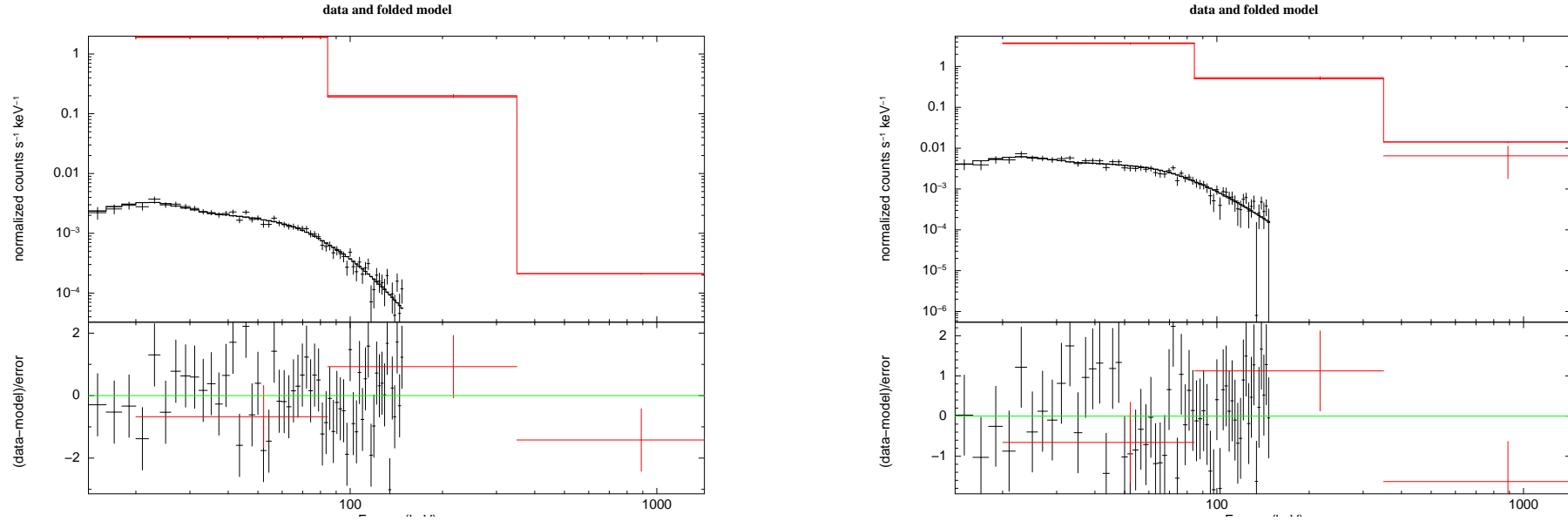Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$-21.846\ldots42.922$	**CPL**	$\mathbf{-0.46^{+0.12}_{-0.11}}$	$\ldots$	$\mathbf{90^{+4}_{-4}}$	$\mathbf{1.49^{+0.05}_{-0.05}}$	$\mathbf{68.9/59(0.18)}$
Peak	$-4.182\ldots4.65$	**GRBM**	$\mathbf{-0.11^{+0.33}_{-0.33}}$	$\mathbf{-2.19^{+0.15}_{-0.36}}$	$\mathbf{89^{+18}_{-11}}$	$\mathbf{5.19^{+0.53}_{-0.72}}$	$\mathbf{60.4/58(0.39)}$
		CPL	$-0.54^{+0.15}_{-0.14}$	$\ldots$	117^{+11}_{-9}	$3.69^{+0.23}_{-0.20}$	$64.3/59(0.3)$

GRB 091018 $T_0 = 74899.5852$ s S1 (z=0.971)

GRB 091018

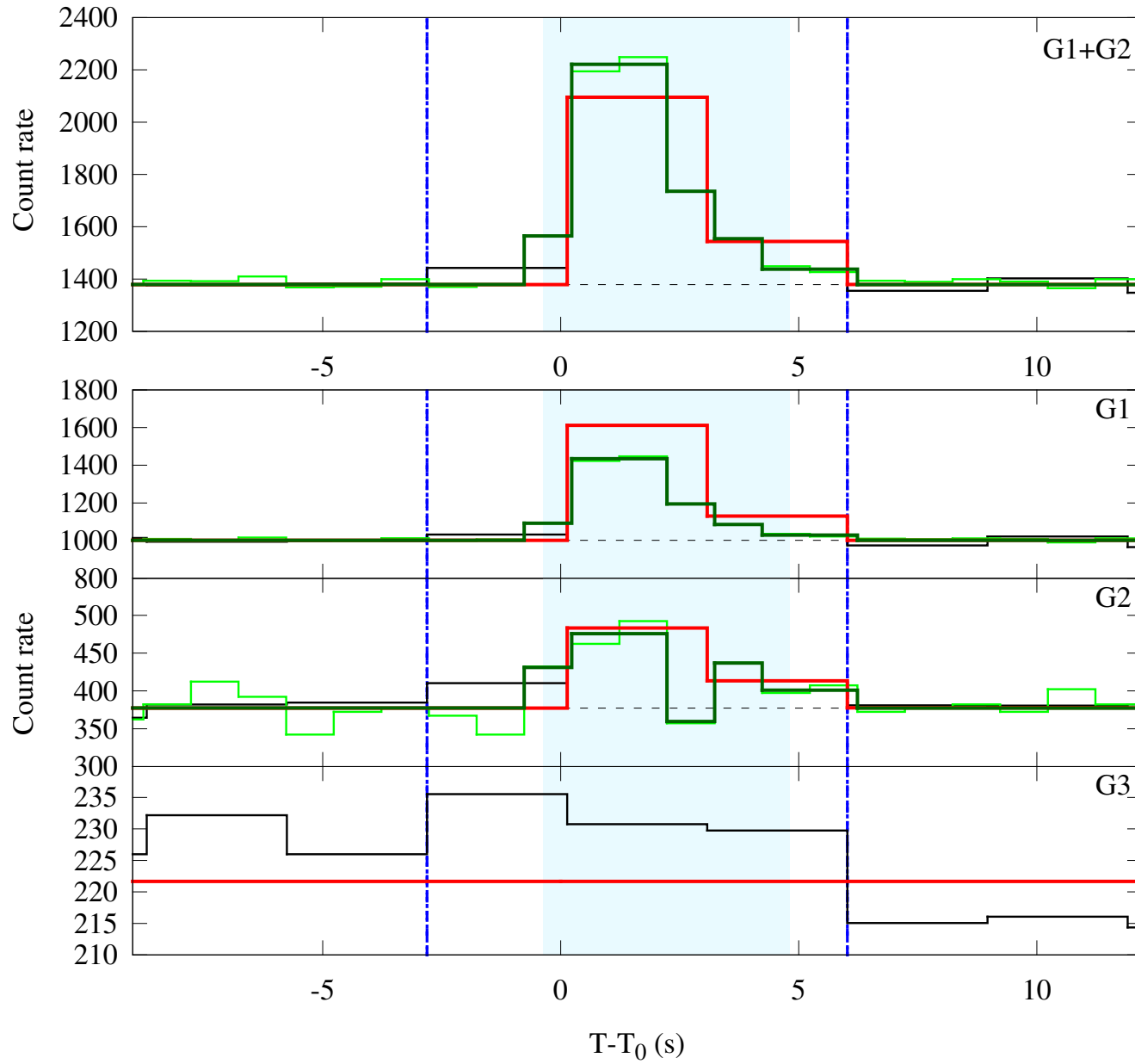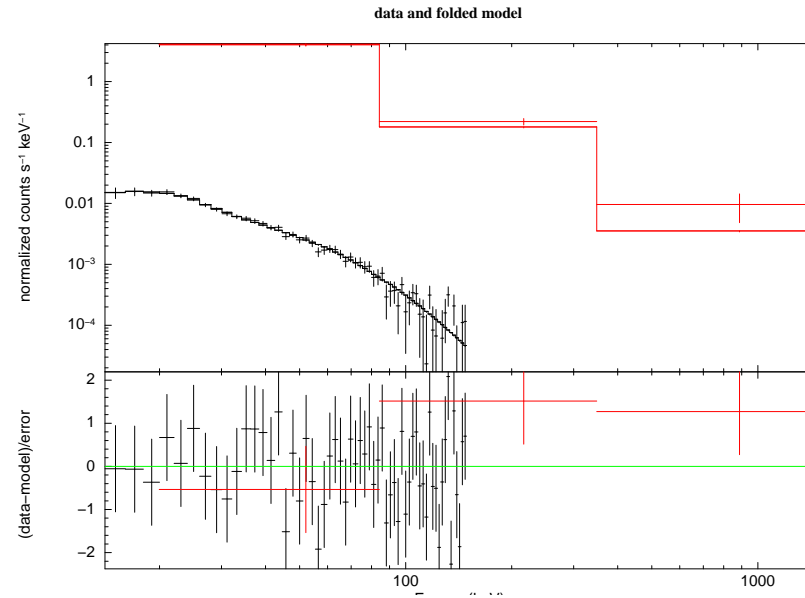Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$-2.81\ldots6.022$	**GRBM**	$\mathbf{-0.99^{+0.94}_{-0.48}}$	$\mathbf{-2.45^{+0.07}_{-0.08}}$	$\mathbf{27^{+2}_{-4}}$	$\mathbf{2.57^{+0.14}_{-0.13}}$	$\mathbf{52.9/58(0.67)}$

GRB 091029 T_0 = 14002.59556 s S1 (z=2.752)
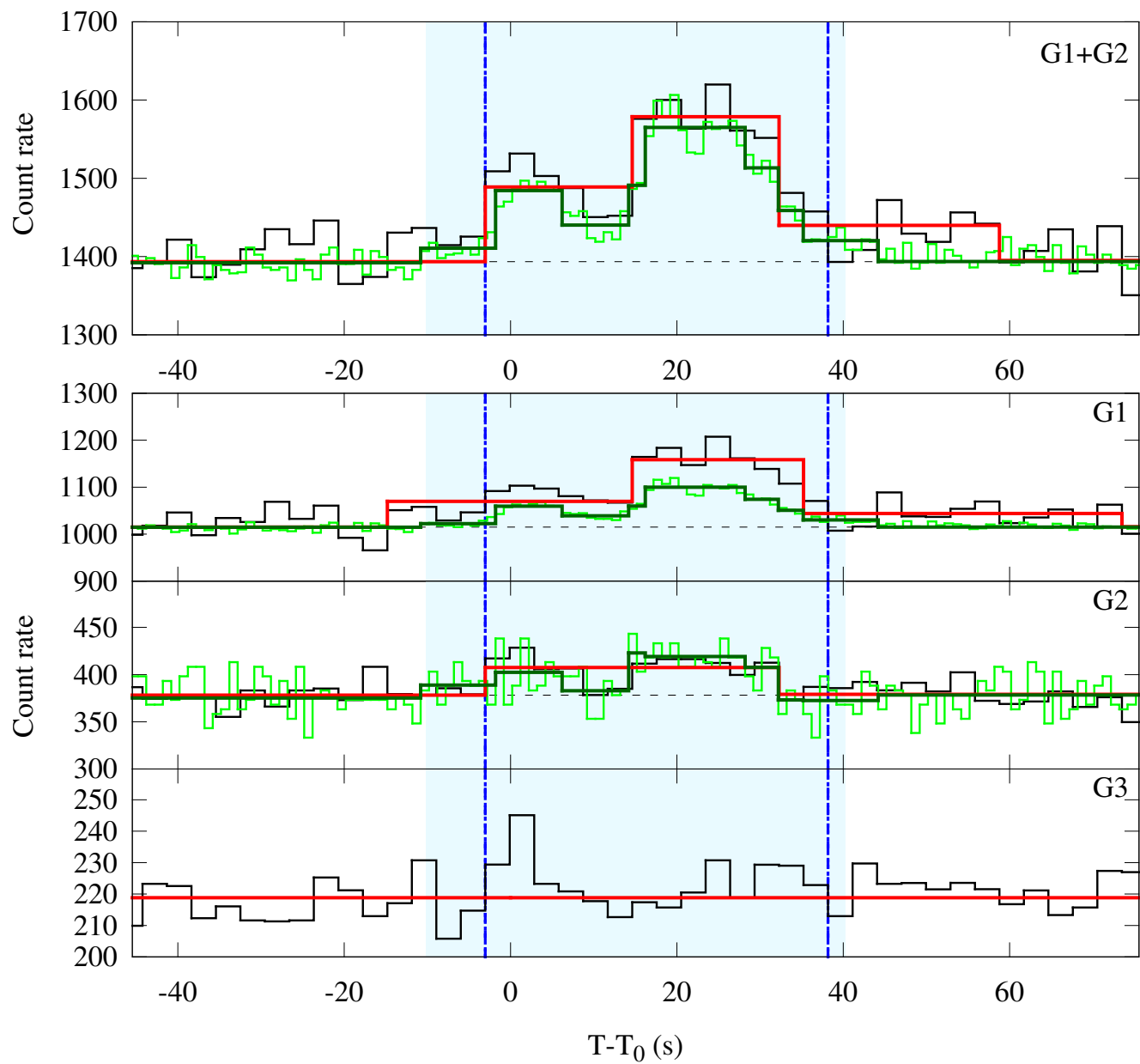
GRB 091029
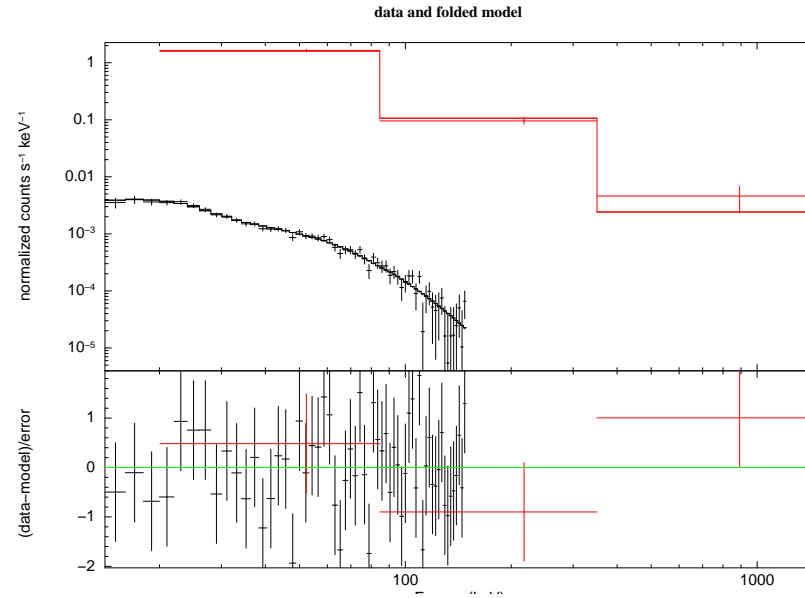
Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$-3.043\ldots38.173$	**GRBM**	$\mathbf{-1.56^{+0.16}_{-0.13}}$	$\mathbf{-2.38^{+0.25}_{-0.82}}$	$\mathbf{66^{+11}_{-10}}$	$\mathbf{1.28^{+0.19}_{-0.20}}$	$\mathbf{44.2/58(0.91)}$
		CPL	$-1.59^{+0.13}_{-0.13}$	$\ldots$	68^{+12}_{-7}	$1.07^{+0.12}_{-0.08}$	$45.7/59(0.9)$

GRB 091109A T_0 = 17863.36376 s S1 (z=3.076)
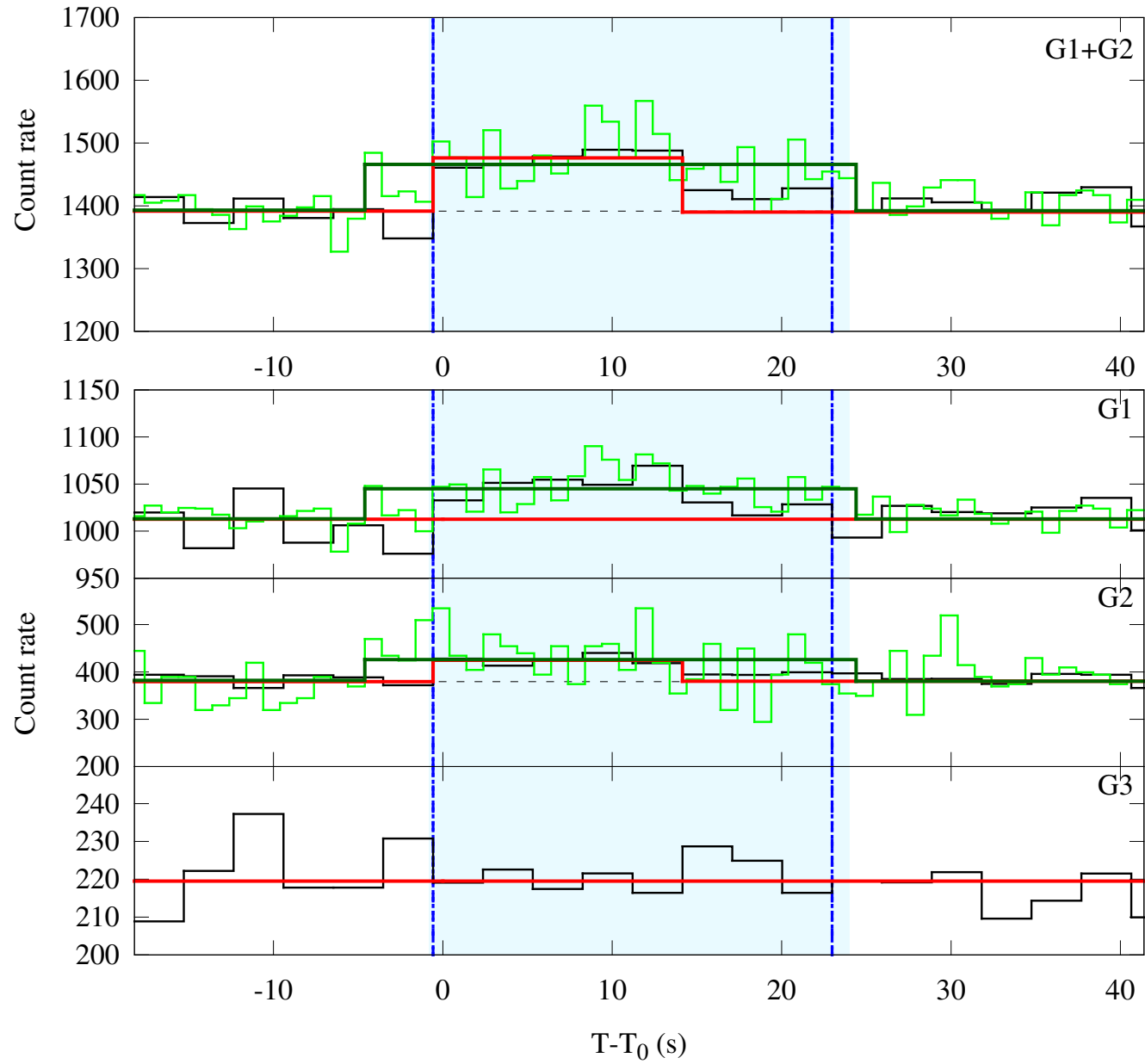
GRB 091109A
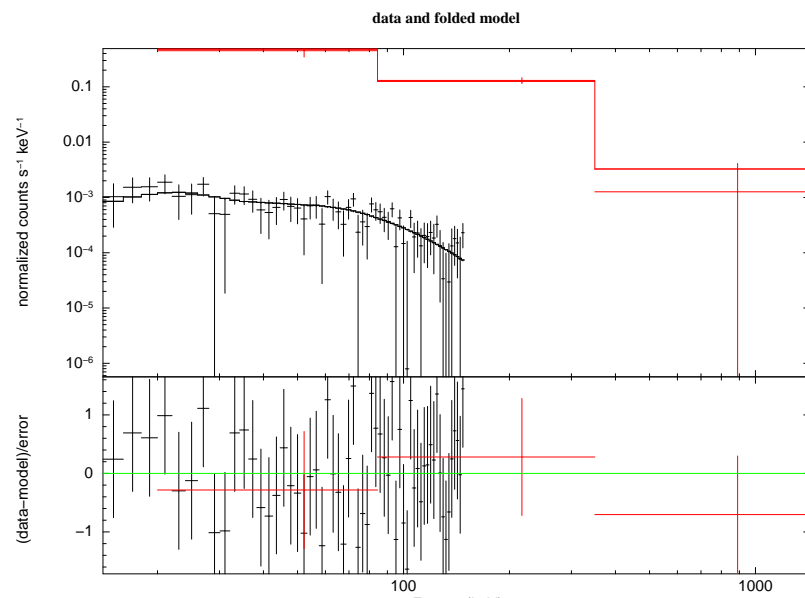
Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$-0.576\ldots22.976$	**CPL**	$\mathbf{-0.77^{+0.27}_{-0.22}}$	$\ldots$	$\mathbf{258^{+107}_{-65}}$	$\mathbf{1.28^{+0.32}_{-0.25}}$	$\mathbf{39.1/59(0.98)}$

GRB 100316A T_0 = 8580.43018 s S2 (z=3.155)
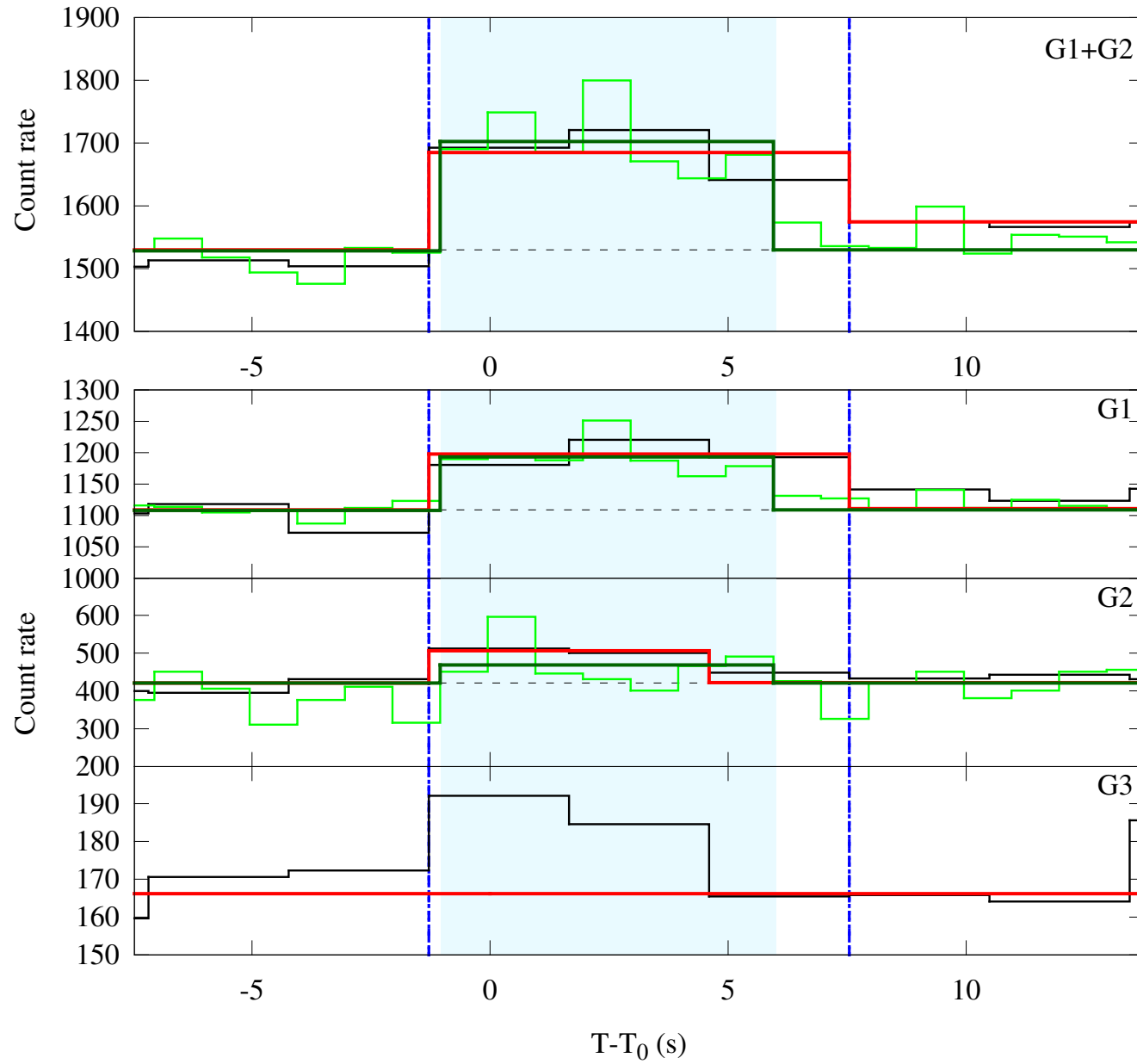
GRB 100316A
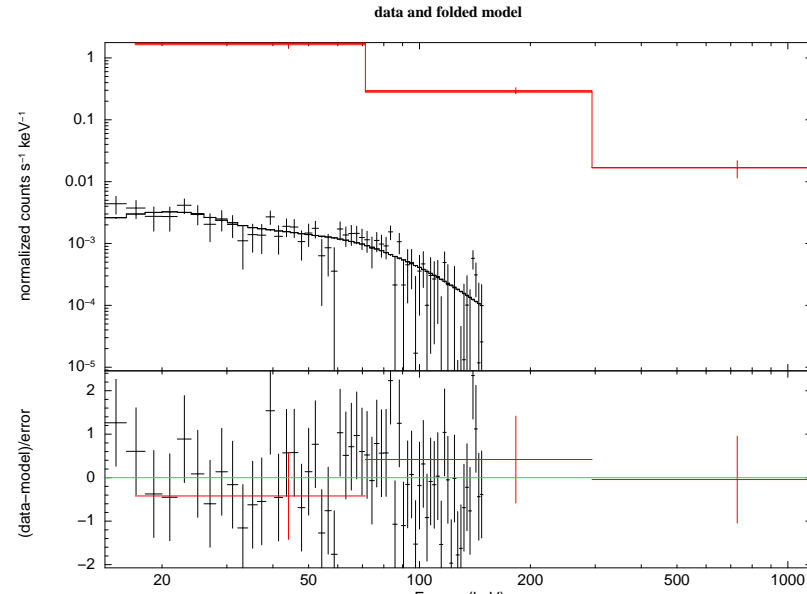
Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_p (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$-1.286\ldots7.546$	**GRBM**	$\mathbf{-1.29^{+0.26}_{-0.12}}$	$\mathbf{-2.39^{+2.37}_{-7.61}}$	$\mathbf{397^{+304}_{-274}}$	$\mathbf{2.69^{+0.43}_{-0.40}}$	$\mathbf{53.8/58(0.63)}$
		CPL	$-1.29^{+0.15}_{-0.14}$	$\ldots$	420^{+461}_{-156}	$2.66^{+0.57}_{-0.50}$	$53.8/59(0.67)$

GRB 100316B T_0 = 28896.97348 s S1 (z=1.180)
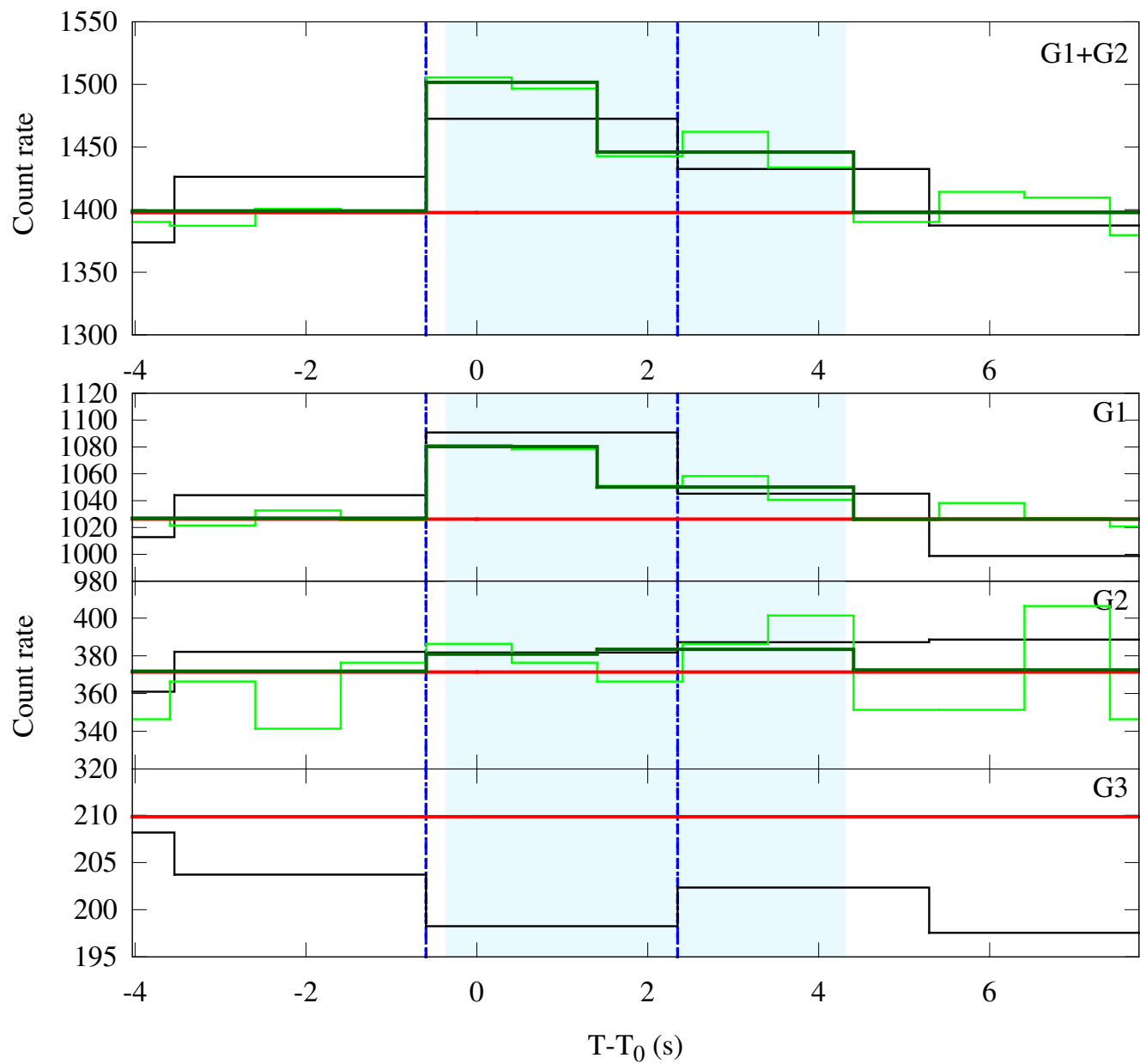
GRB 100316B
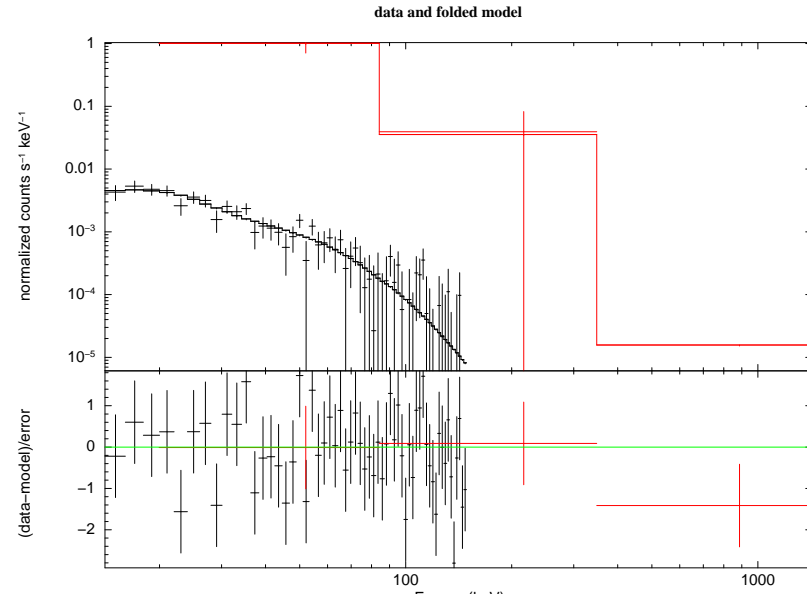
Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-0.596\ldots2.348$	**CPL**	$\mathbf{-1.51^{+0.49}_{-0.42}}$	$\ldots$	$\mathbf{31^{+8}_{-20}}$	$\mathbf{0.53^{+0.10}_{-0.06}}$	$\mathbf{52.3/59(0.72)}$

GRB 100615A T$_0$ = 7143.99464 s S1 (z=1.398)
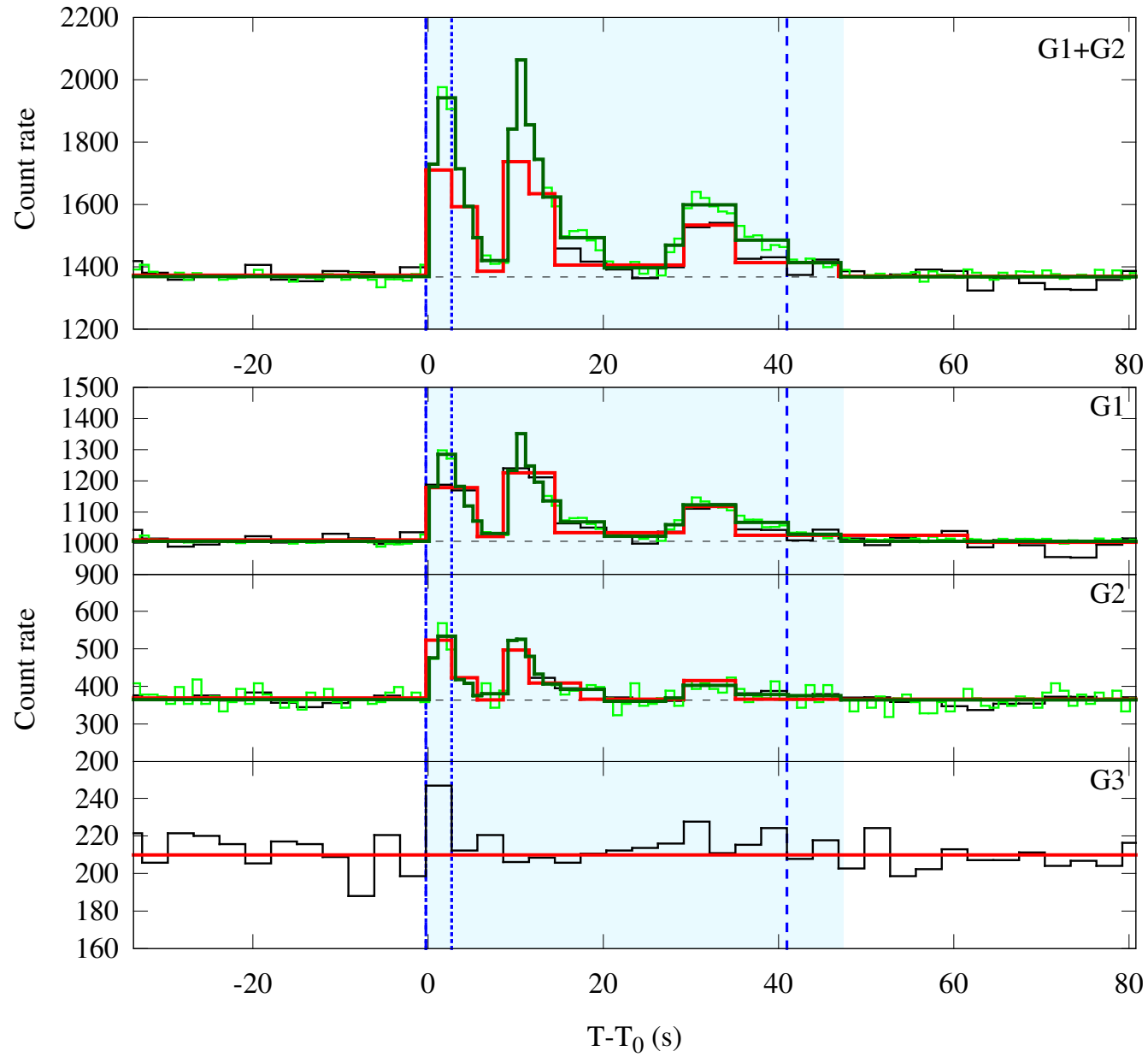
GRB 100615A
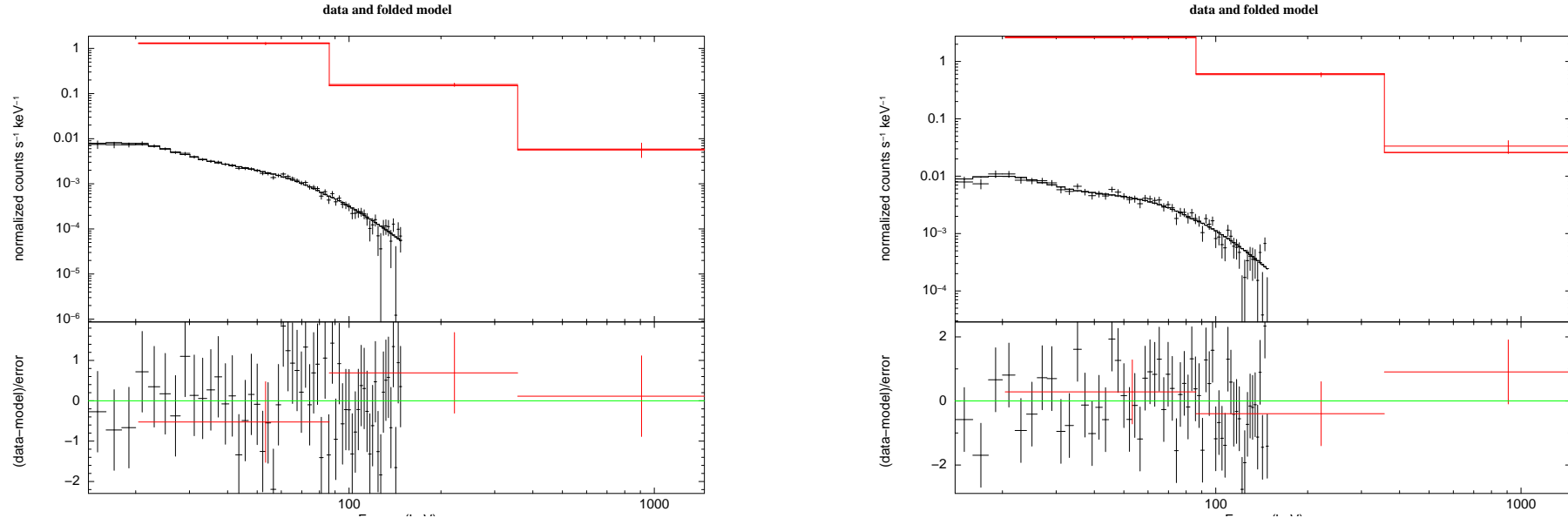
Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$-0.262\ldots40.954$	**GRBM**	$\mathbf{-1.64^{+0.12}_{-0.11}}$	$\mathbf{-2.03^{+0.08}_{-0.15}}$	$\mathbf{85^{+33}_{-14}}$	$\mathbf{2.48^{+0.13}_{-0.22}}$	$\mathbf{48.4/58(0.81)}$
		CPL	$-1.78^{+0.08}_{-0.06}$	$\ldots$	154^{+172}_{-48}	$2.26^{+0.35}_{-0.29}$	$51.3/59(0.75)$
Peak	$-0.262\ldots2.682$	**CPL**	$\mathbf{-1.14^{+0.08}_{-0.07}}$	$\ldots$	$\mathbf{387^{+160}_{-107}}$	$\mathbf{8.66^{+1.50}_{-1.43}}$	$\mathbf{67.5/59(0.21)}$

GRB 100728B T_0 = 37915.8292 s S1 (z=2.106)
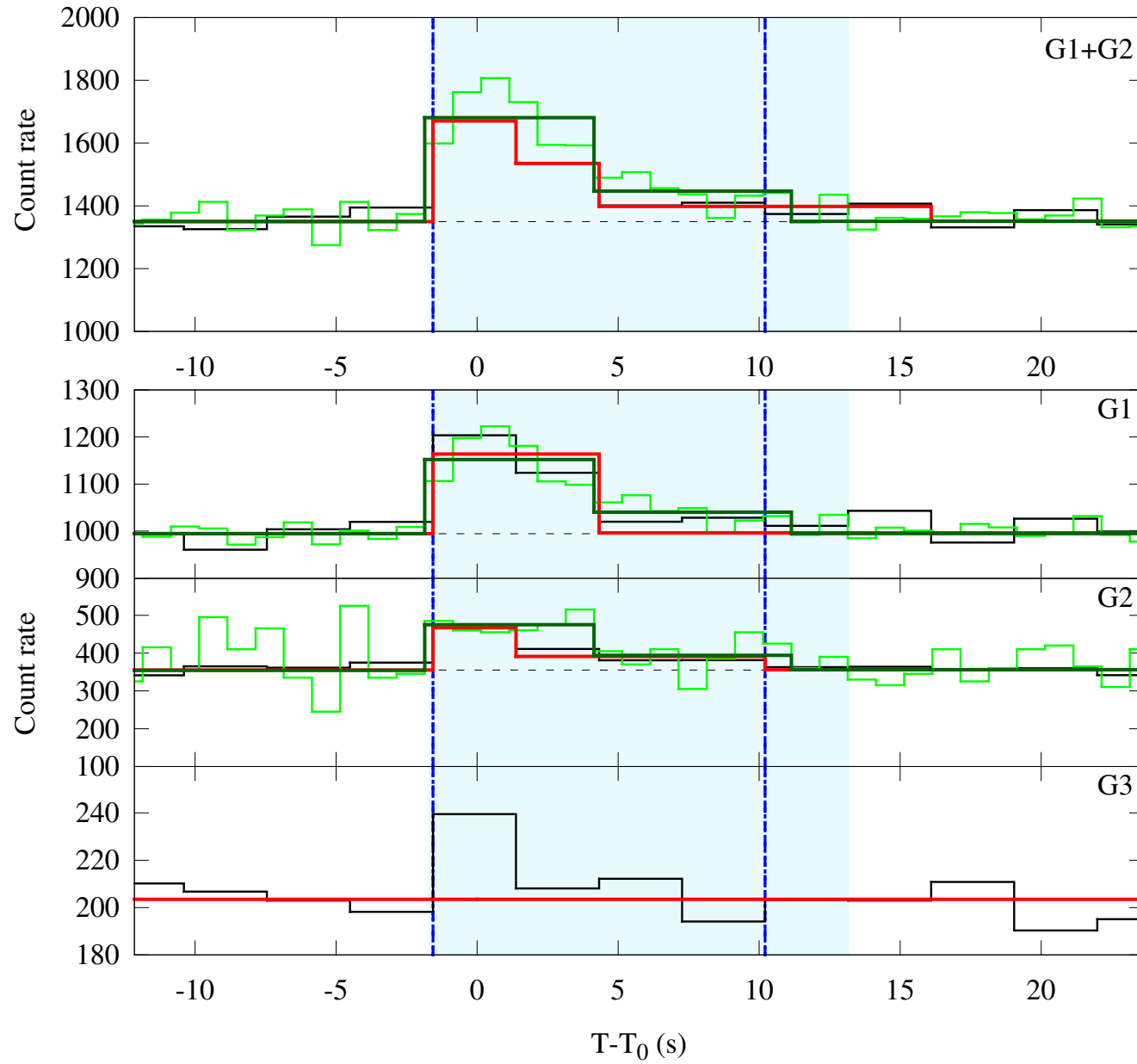
GRB 100728B
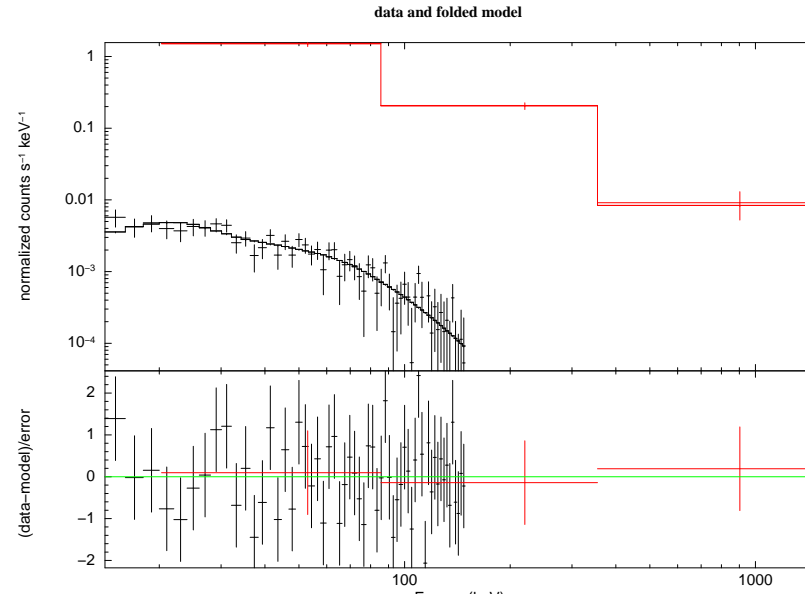
Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$-1.563\ldots10.213$	**GRBM**	$\mathbf{-0.81^{+0.74}_{-0.47}}$	$\mathbf{-2.00^{+0.13}_{-0.27}}$	$\mathbf{73^{+40}_{-21}}$	$\mathbf{3.36^{+0.45}_{-0.50}}$	$\mathbf{45.8/58(0.88)}$
		CPL	$-1.41^{+0.30}_{-0.20}$	$\ldots$	159^{+178}_{-53}	$2.69^{+0.82}_{-0.52}$	$49.6/59(0.8)$

GRB 100901A T$_0$ = 48850.3761 s S2 (z=1.408)
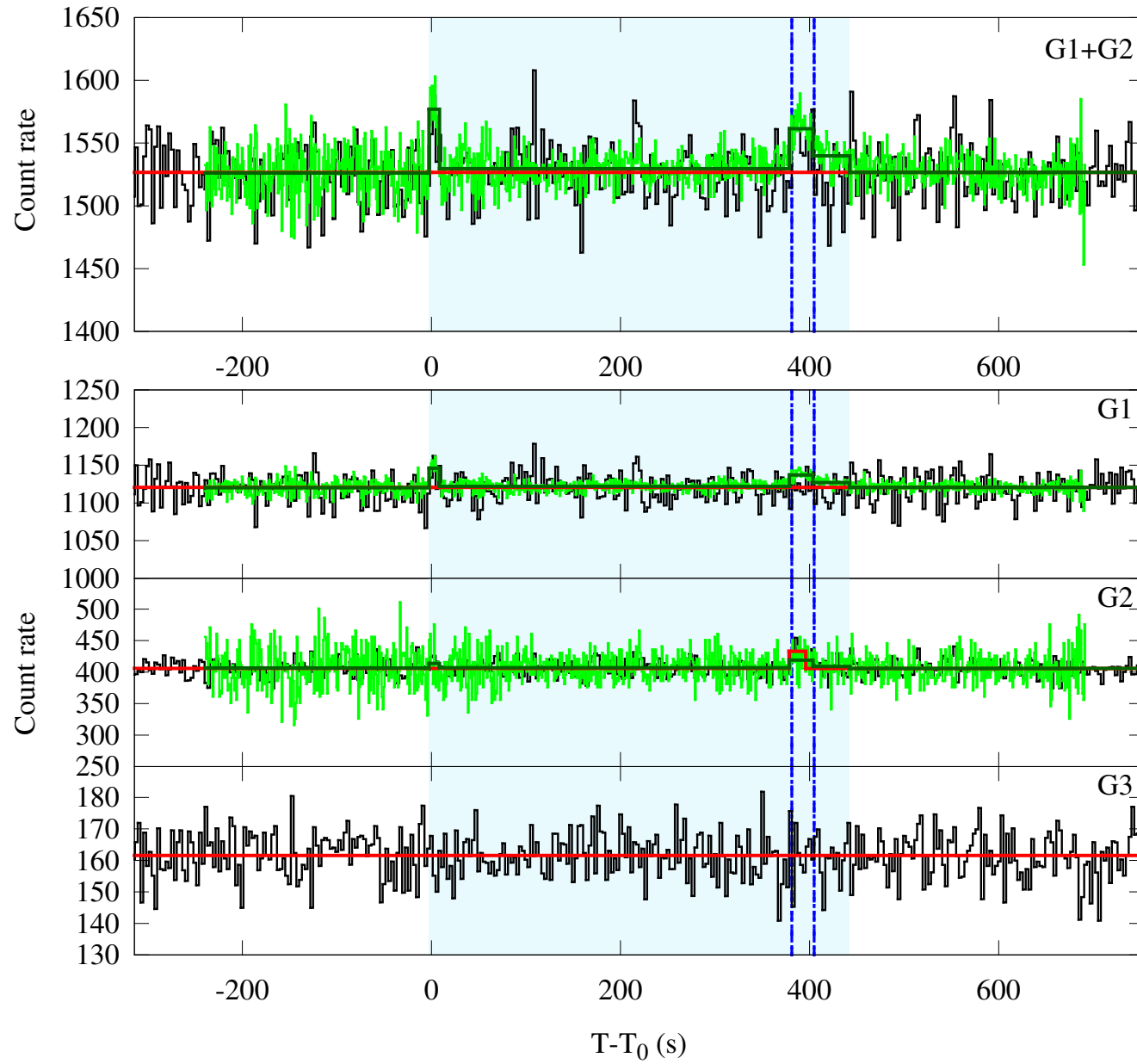
GRB 100901A
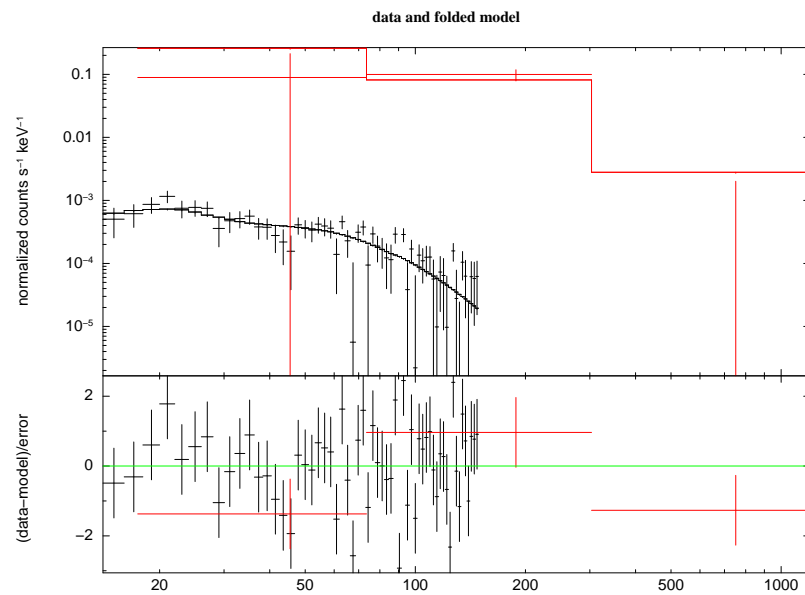
data and folded model

Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_p (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$381.214\ldots404.766$	**CPL**	$\mathbf{-0.94^{+0.20}_{-0.18}}$	$\ldots$	$\mathbf{234^{+126}_{-66}}$	$\mathbf{0.78^{+0.25}_{-0.17}}$	$\mathbf{82.1/59(0.025)}$

GRB 101219B T_0 = 59273.51974 s S1 (z=0.5519)
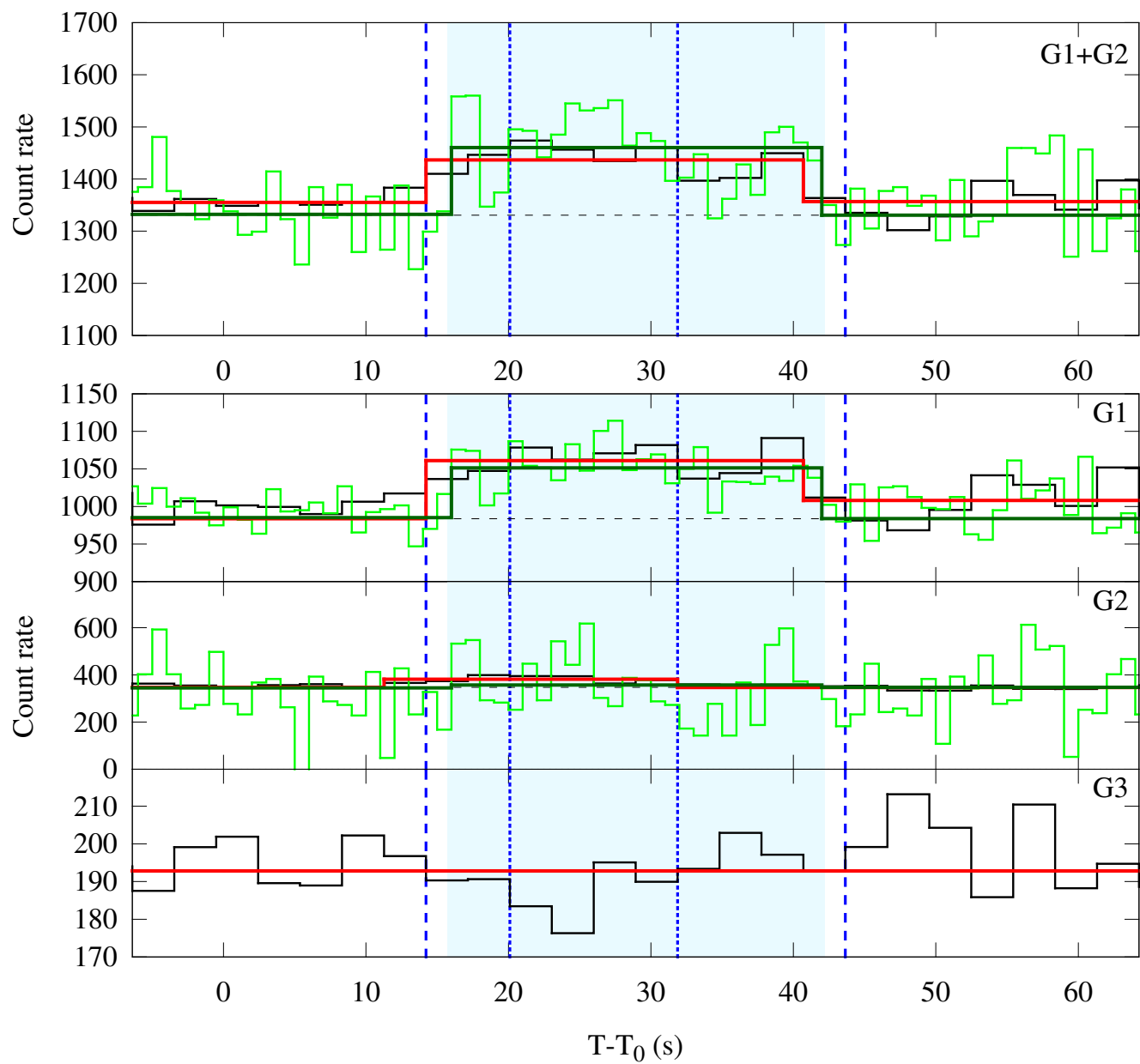
GRB 101219B
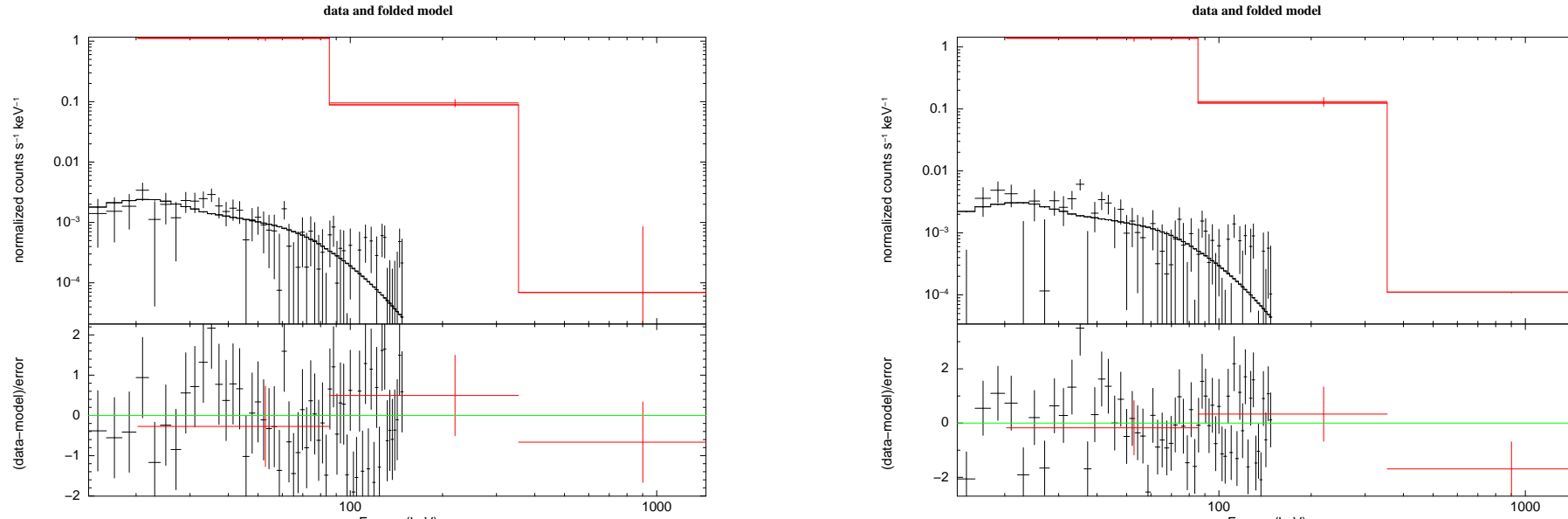
Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$14.21\ldots43.65$	**CPL**	$-0.76^{+0.53}_{-0.45}$	…	74^{+11}_{-8}	$0.89^{+0.09}_{-0.08}$	$\mathbf{57.8/59(0.52)}$
Peak	$20.098\ldots31.874$	**CPL**	$-0.64^{+0.60}_{-0.49}$	…	81^{+15}_{-10}	$1.16^{+0.14}_{-0.12}$	$\mathbf{90.5/59(0.0052)}$

GRB 110106B T_0 = 77177.01358 s S2 (z=0.618)

GRB 110106B

Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.
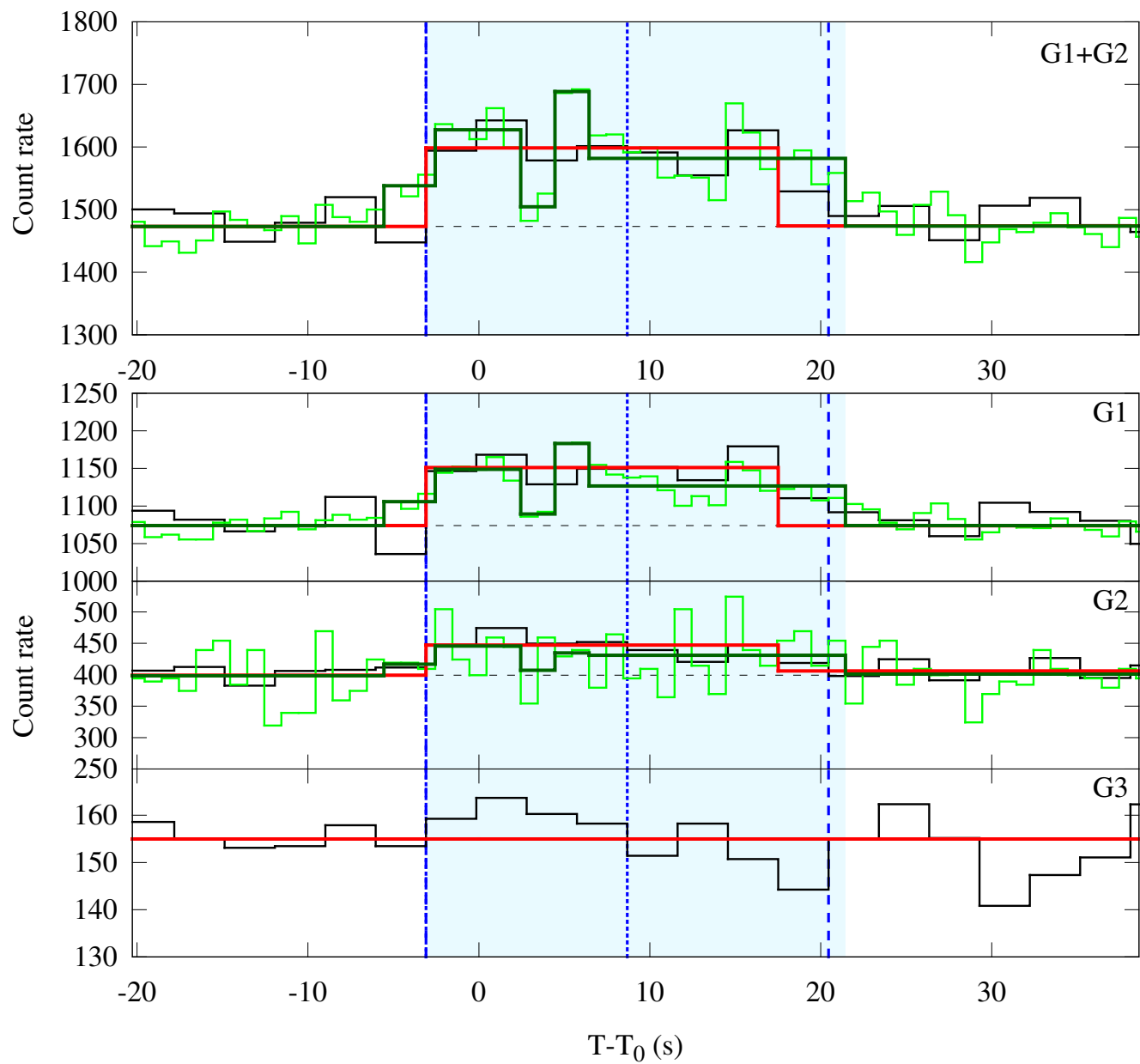
Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_p (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-3.098\ldots20.454$	**CPL**	$-1.45^{+0.17}_{-0.14}$	$\ldots$	104^{+33}_{-19}	$1.36^{+0.20}_{-0.15}$	$46.2/59(0.89)$
Peak	$-3.098\ldots8.678$	**GRBM**	$-0.34^{+1.26}_{-1.19}$	$-1.87^{+0.09}_{-0.10}$	49^{+22}_{-12}	$2.44^{+0.31}_{-0.28}$	$44.2/58(0.91)$
		CPL	$-1.45^{+0.16}_{-0.13}$	$\ldots$	184^{+125}_{-57}	$1.93^{+0.42}_{-0.32}$	$44.6/59(0.92)$

GRB 110128A T_0 = 6273.00936 s S2 (z=2.339)

GRB 110128A

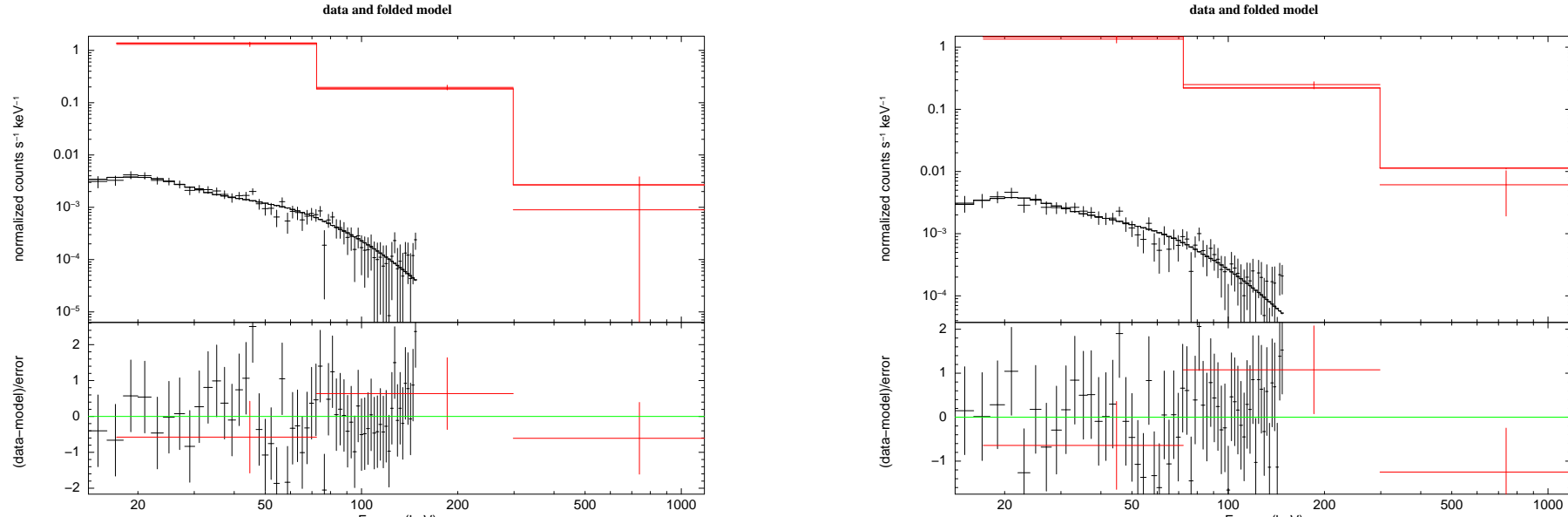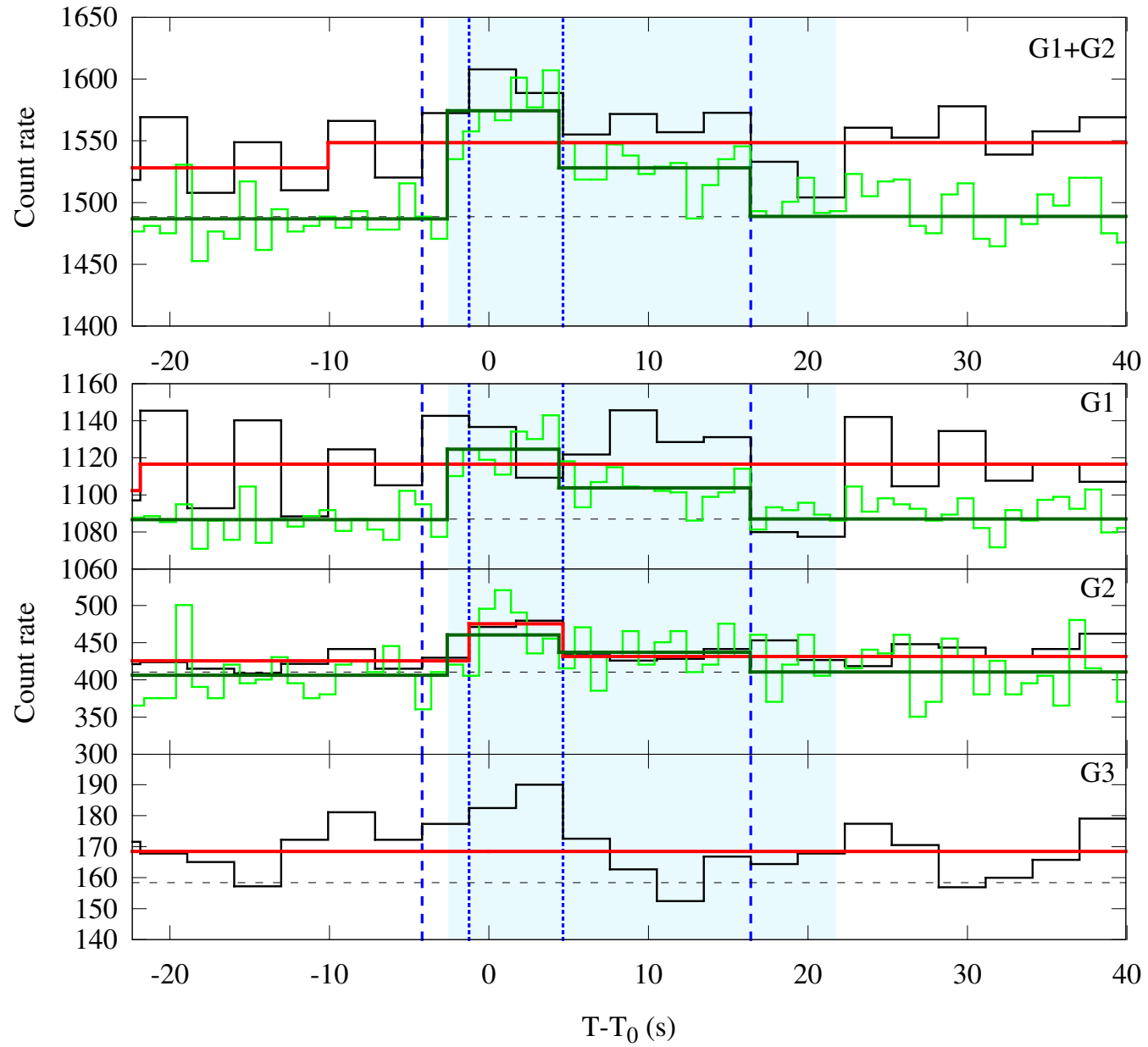Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$-4.19\ldots16.418$	**CPL**	$-0.61^{+0.59}_{-0.36}$	$\ldots$	181^{+158}_{-66}	$0.61^{+0.34}_{-0.19}$	$63.0/59(0.34)$
Peak	$-1.246\ldots4.642$	**CPL**	$-0.62^{+0.25}_{-0.22}$	$\ldots$	567^{+405}_{-184}	$2.81^{+0.82}_{-0.72}$	$64.5/59(0.29)$

GRB 110205A $T_0 = 7361.36742$ s S2 (z=2.22)

GRB 110205A

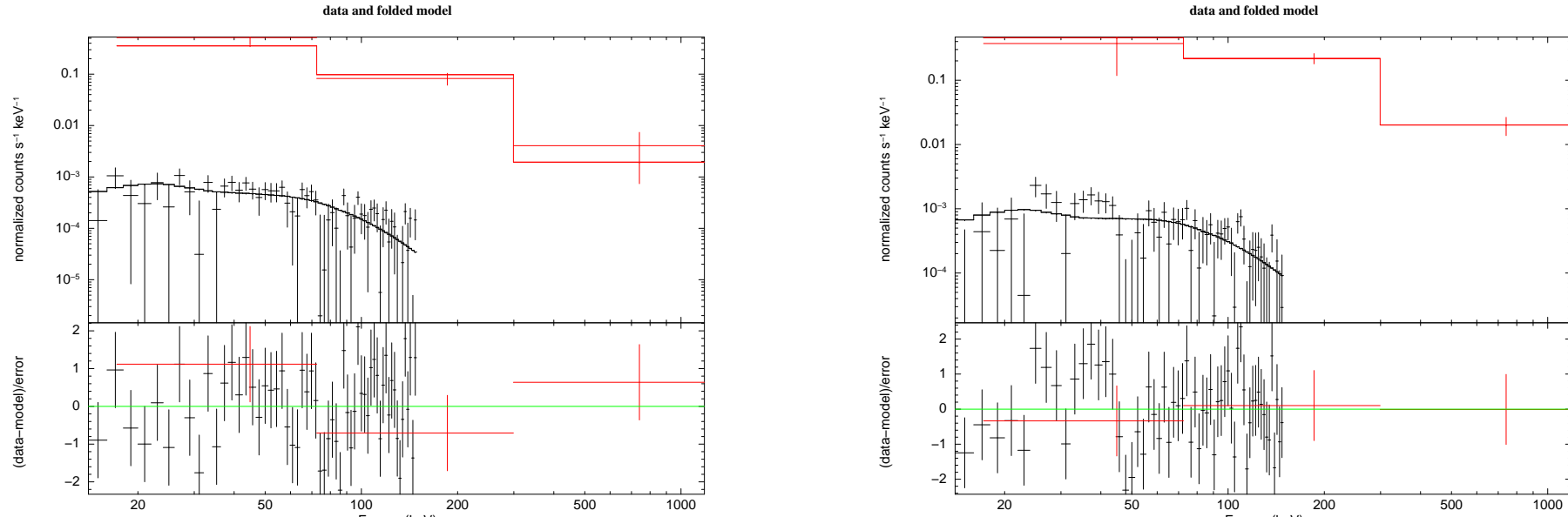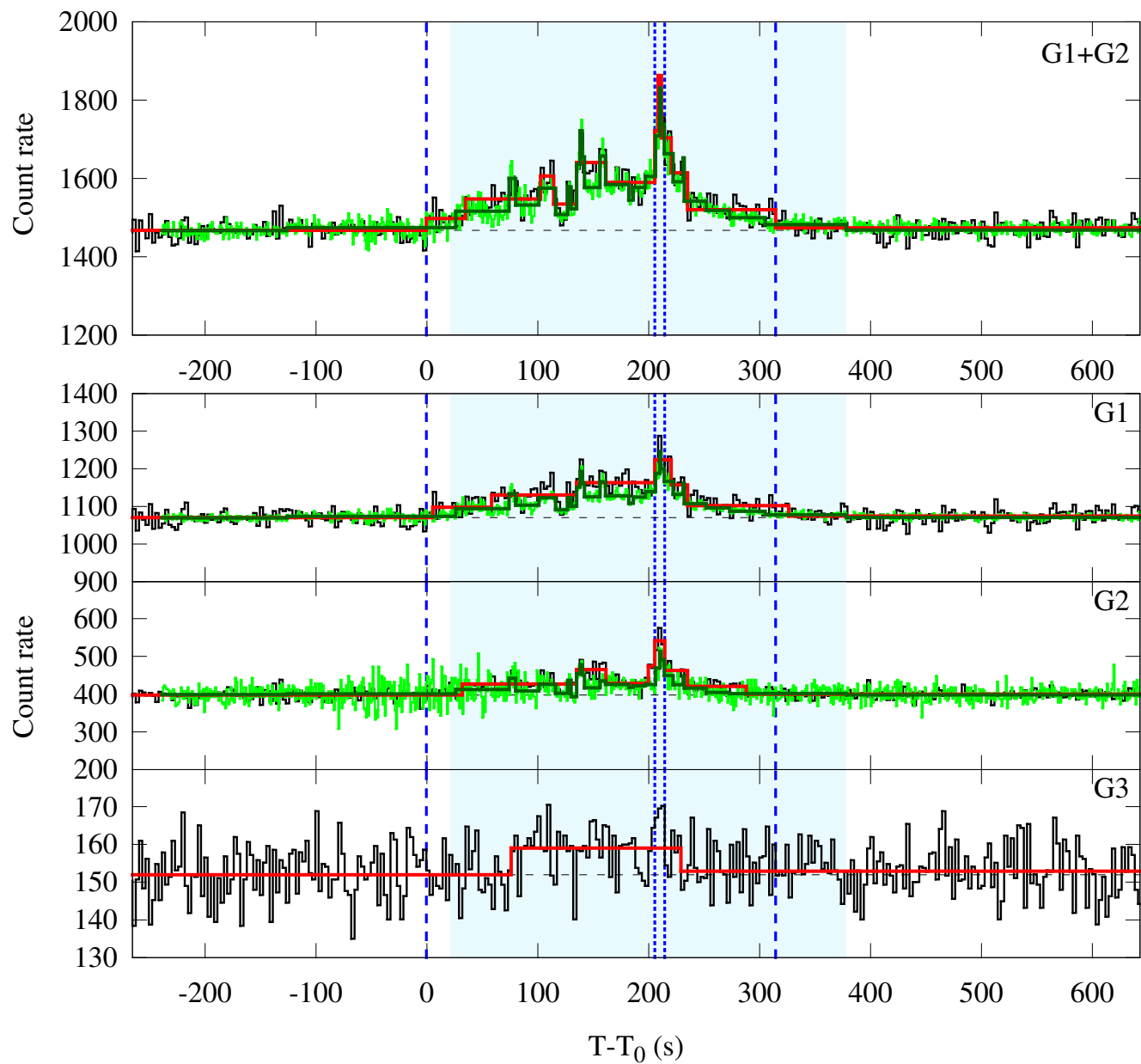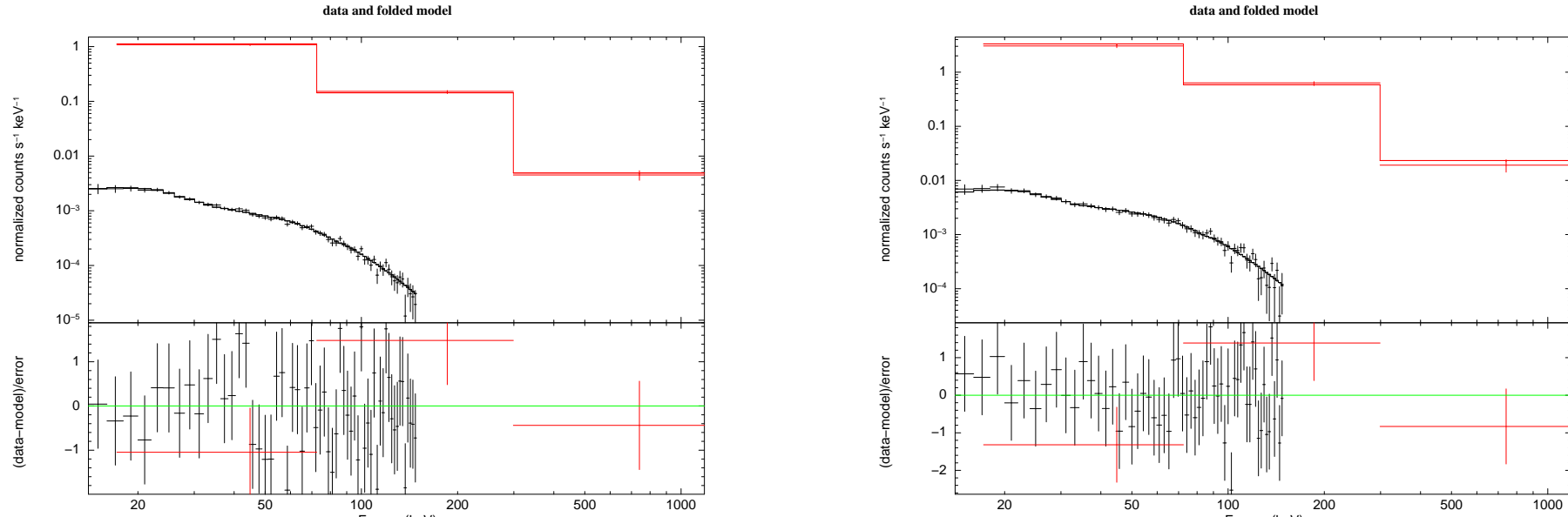Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	$\chi^2/$dof (Prob.)
Time-integrated	$-0.588\ldots314.42$	**CPL**	$\mathbf{-1.55^{+0.05}_{-0.04}}$	$\ldots$	$\mathbf{220^{+52}_{-36}}$	$\mathbf{1.13^{+0.08}_{-0.08}}$	$\mathbf{53.0/59(0.7)}$
Peak	$205.492\ldots214.324$	**CPL**	$\mathbf{-1.27^{+0.06}_{-0.05}}$	$\ldots$	$\mathbf{278^{+62}_{-45}}$	$\mathbf{4.53^{+0.44}_{-0.40}}$	$\mathbf{44.2/59(0.92)}$

GRB 110726A T_0 = 5440.5498 s S2 (z=1.036)

GRB 110726A

Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	$\chi^2/$dof (Prob.)
Time-integrated	$-0.225\ldots2.719$	**CPL**	$\mathbf{0.33^{+0.62}_{-0.54}}$	$\ldots$	$\mathbf{48^{+4}_{-4}}$	$\mathbf{0.80^{+0.07}_{-0.07}}$	$\mathbf{58.0/59(0.51)}$

GRB 110801A T_0 = 71382.9912 s S2 (z=1.858)
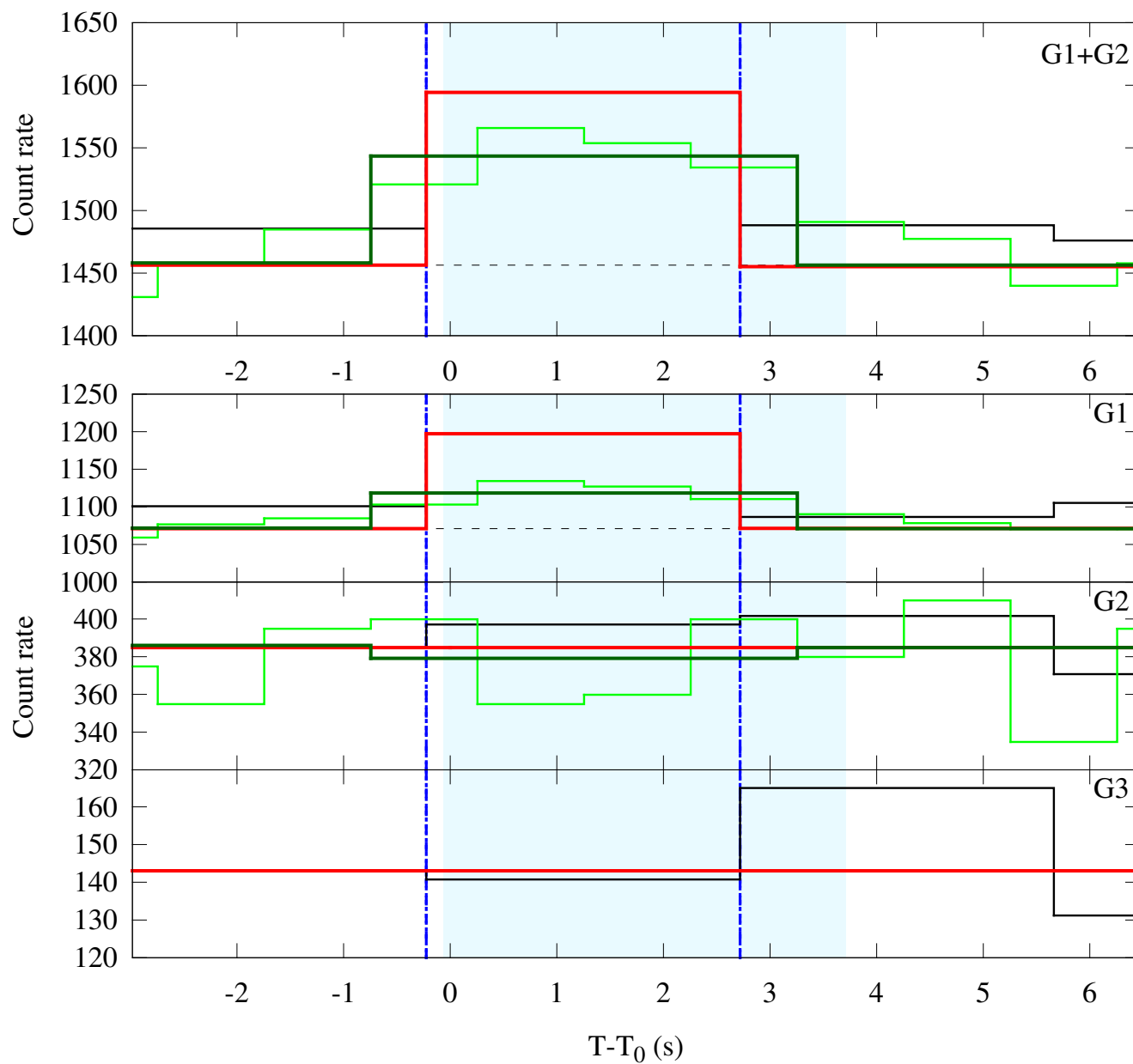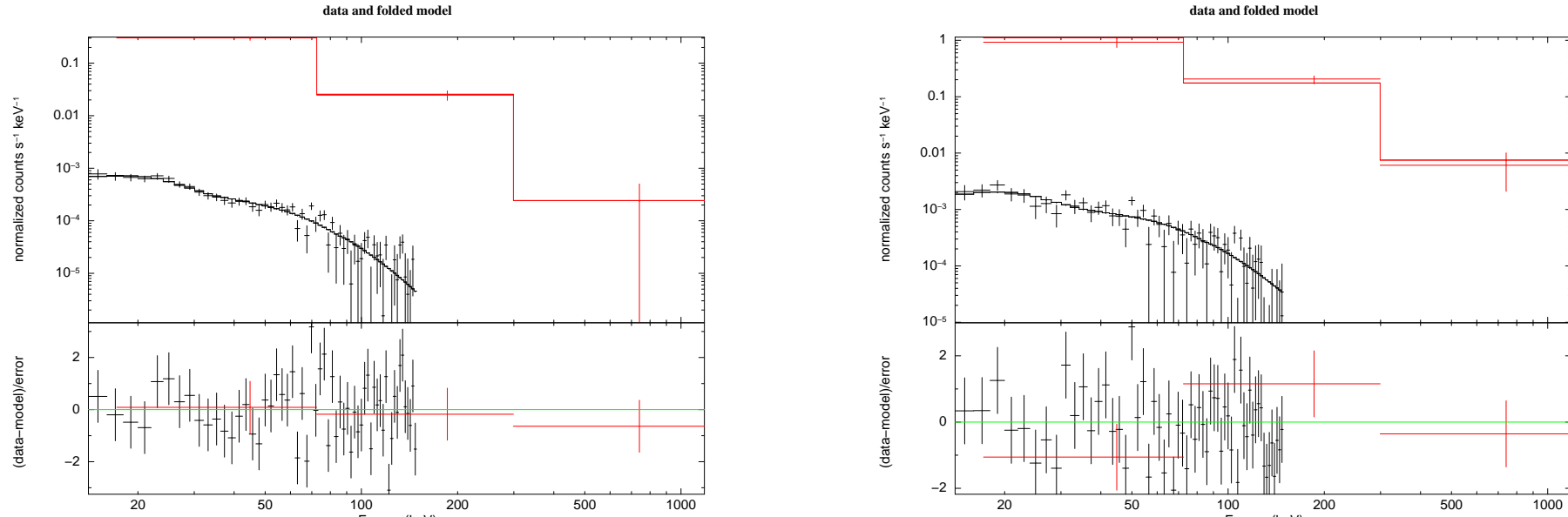
188

GRB 110801A

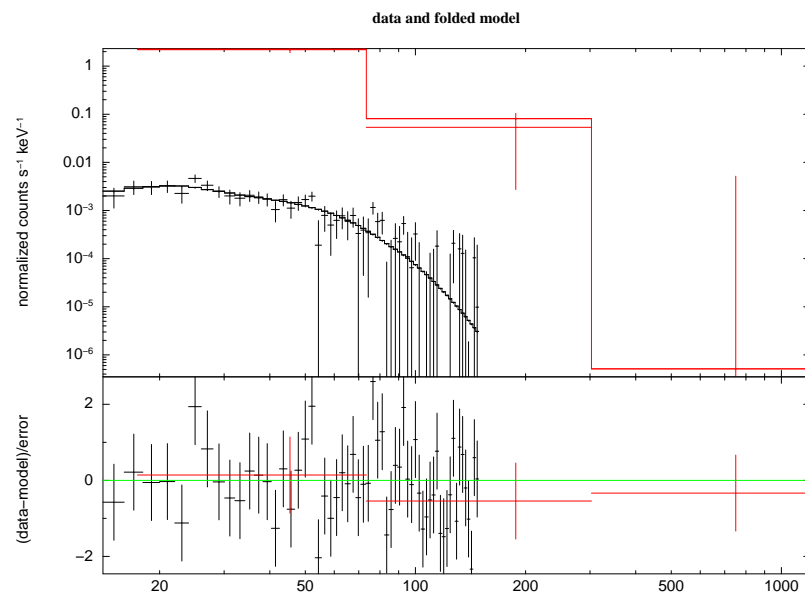Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-26.423\ldots388.681$	**CPL**	$-1.53^{+0.19}_{-0.17}$	$\ldots$	73^{+25}_{-12}	$0.17^{+0.03}_{-0.02}$	$77.6/59(0.053)$
Peak	$-5.815\ldots5.961$	**CPL**	$-1.39^{+0.16}_{-0.14}$	$\ldots$	307^{+414}_{-125}	$1.44^{+0.40}_{-0.32}$	$64.7/59(0.28)$

GRB 110818A T_0 = 74269.20586 s S1 (z=3.36)

GRB 110818A

Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-8.216\ldots56.552$	**GRBM**	$\mathbf{-0.02^{+1.31}_{-1.06}}$	$\mathbf{-1.79^{+0.06}_{-0.07}}$	$\mathbf{46^{+39}_{-10}}$	$\mathbf{1.37^{+0.12}_{-0.12}}$	$\mathbf{61.7/58(0.34)}$
		CPL	$-1.46^{+0.15}_{-0.11}$	$\ldots$	216^{+176}_{-71}	$1.06^{+0.23}_{-0.18}$	$64.3/59(0.3)$
Peak	$3.56\ldots30.056$	**CPL**	$\mathbf{-1.39^{+0.15}_{-0.11}}$	$\ldots$	$\mathbf{292^{+268}_{-110}}$	$\mathbf{1.64^{+0.38}_{-0.33}}$	$\mathbf{72.7/59(0.11)}$

GRB 111107A T_0 = 3024.00548 s S1 (z=2.893)
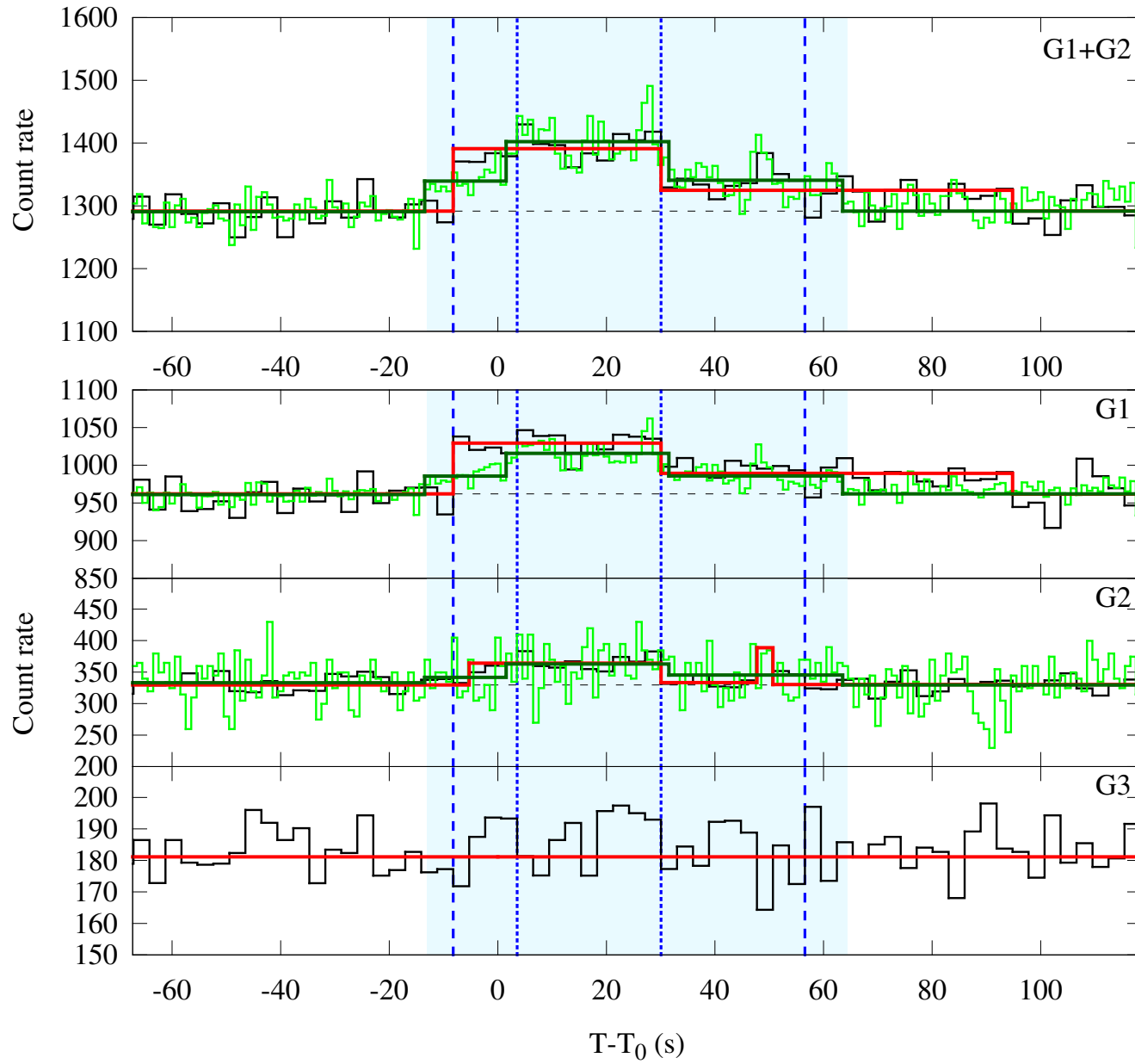
GRB 111107A

Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.
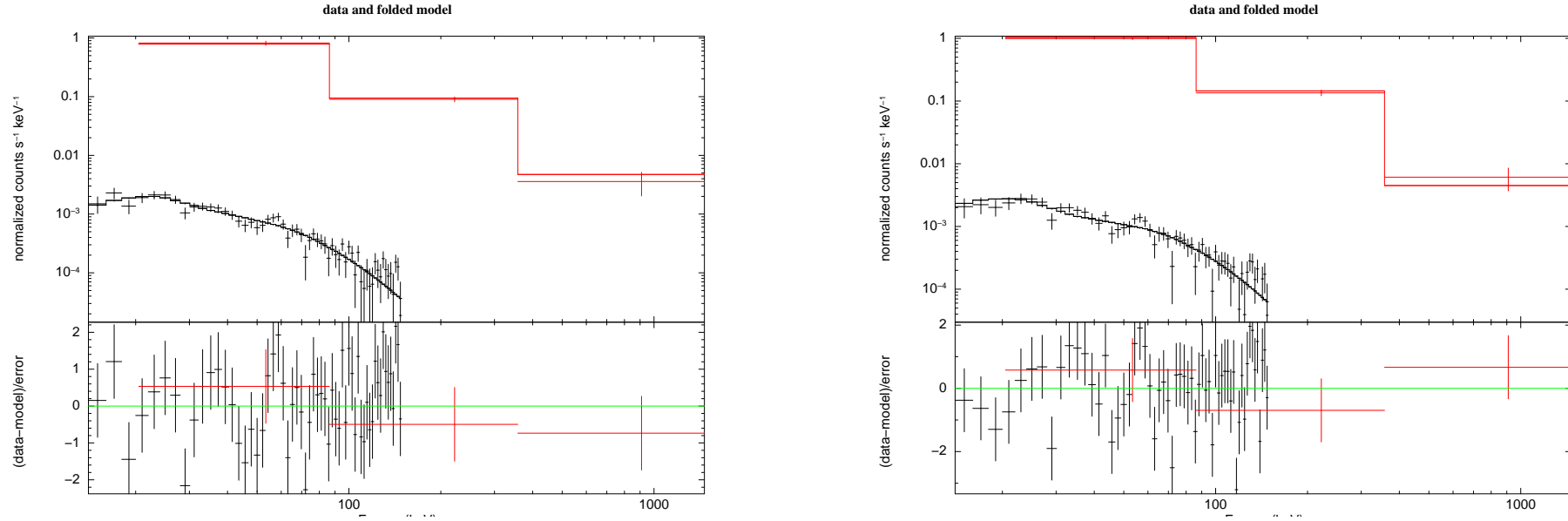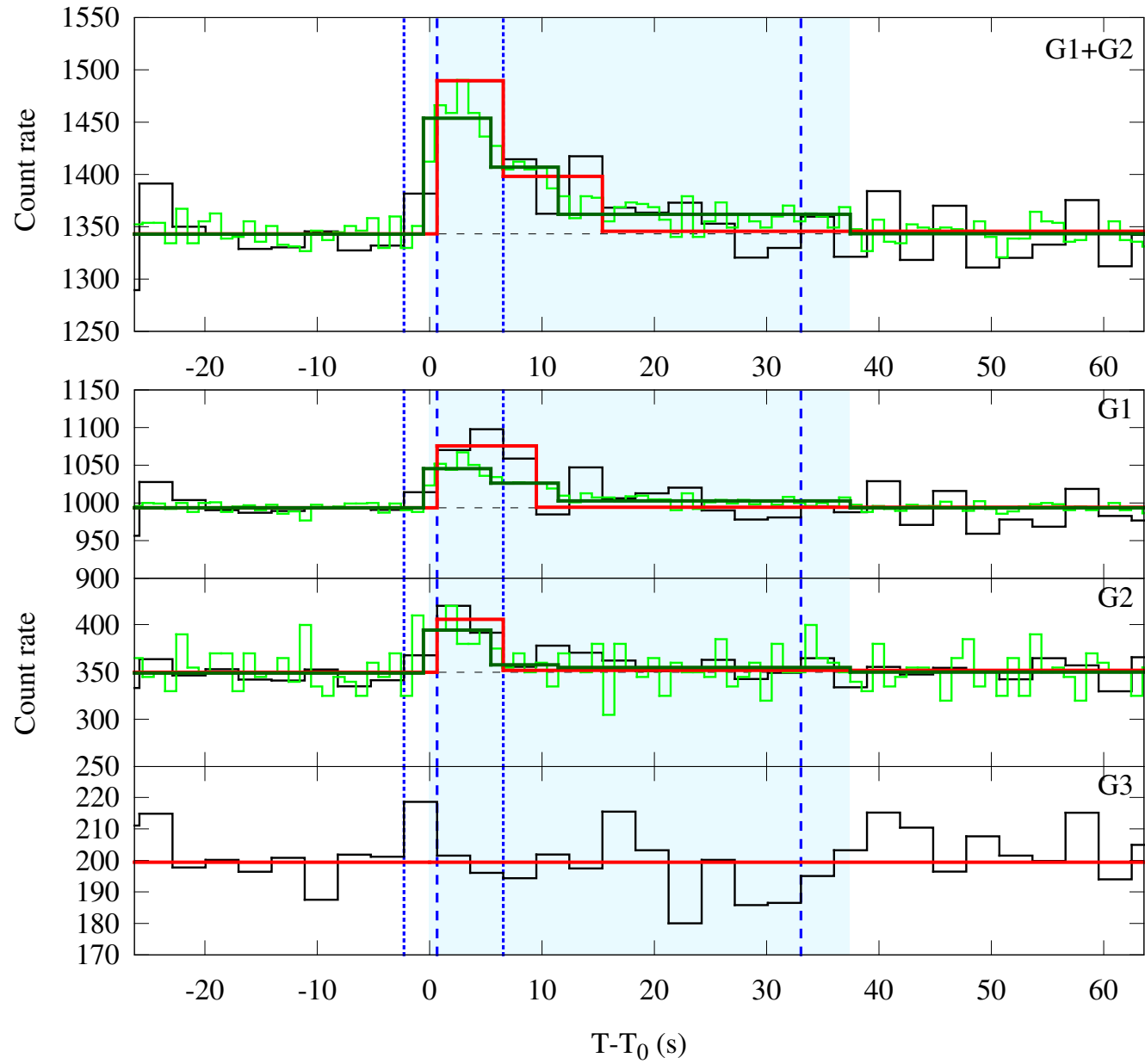
Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_p (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$0.663\ldots33.047$	**CPL**	$\mathbf{-1.34^{+0.17}_{-0.15}}$	...	$\mathbf{212^{+185}_{-70}}$	$\mathbf{0.58^{+0.17}_{-0.12}}$	$\mathbf{65.6/59(0.26)}$
Peak	$-2.281\ldots6.551$	**CPL**	$\mathbf{-1.12^{+0.16}_{-0.13}}$	...	$\mathbf{377^{+286}_{-132}}$	$\mathbf{1.98^{+0.54}_{-0.45}}$	$\mathbf{56.2/59(0.58)}$

GRB 111123A $T_0 = 65601.1002$ s S1 (z=3.1516)

GRB 111123A

Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.
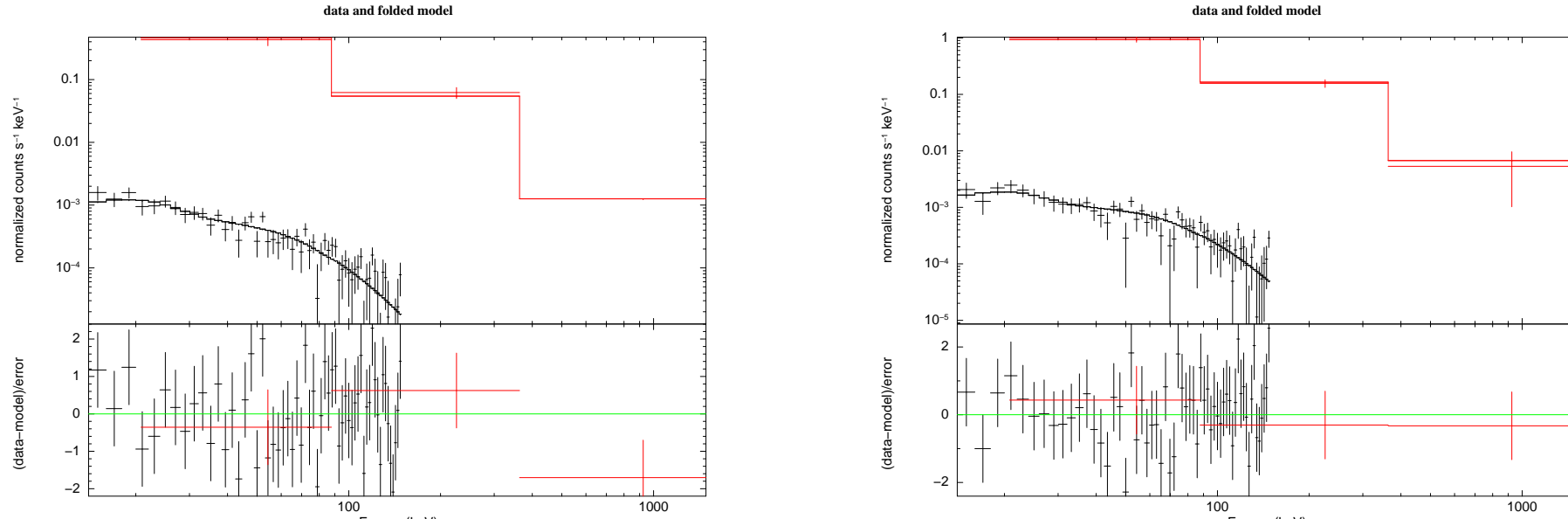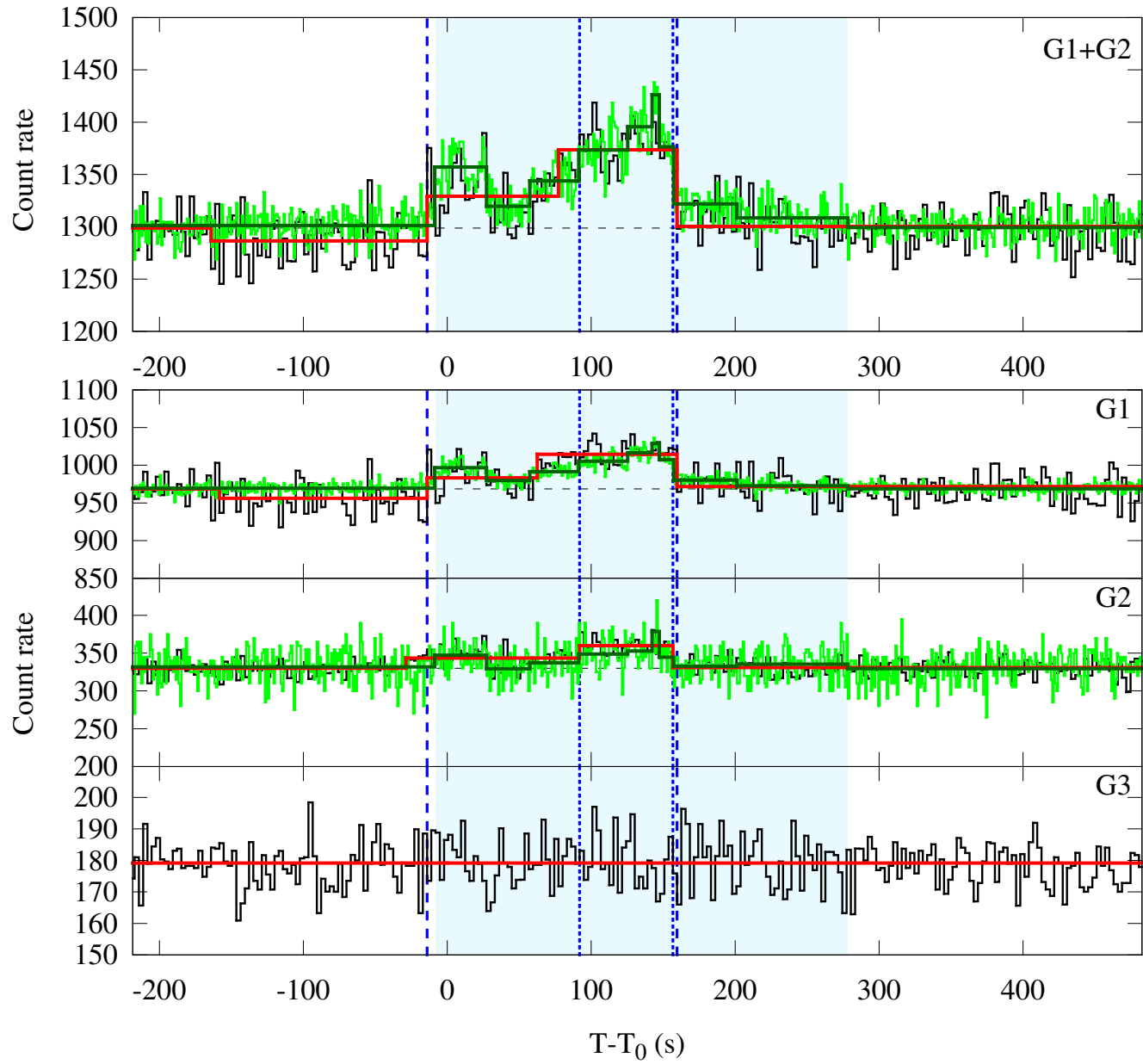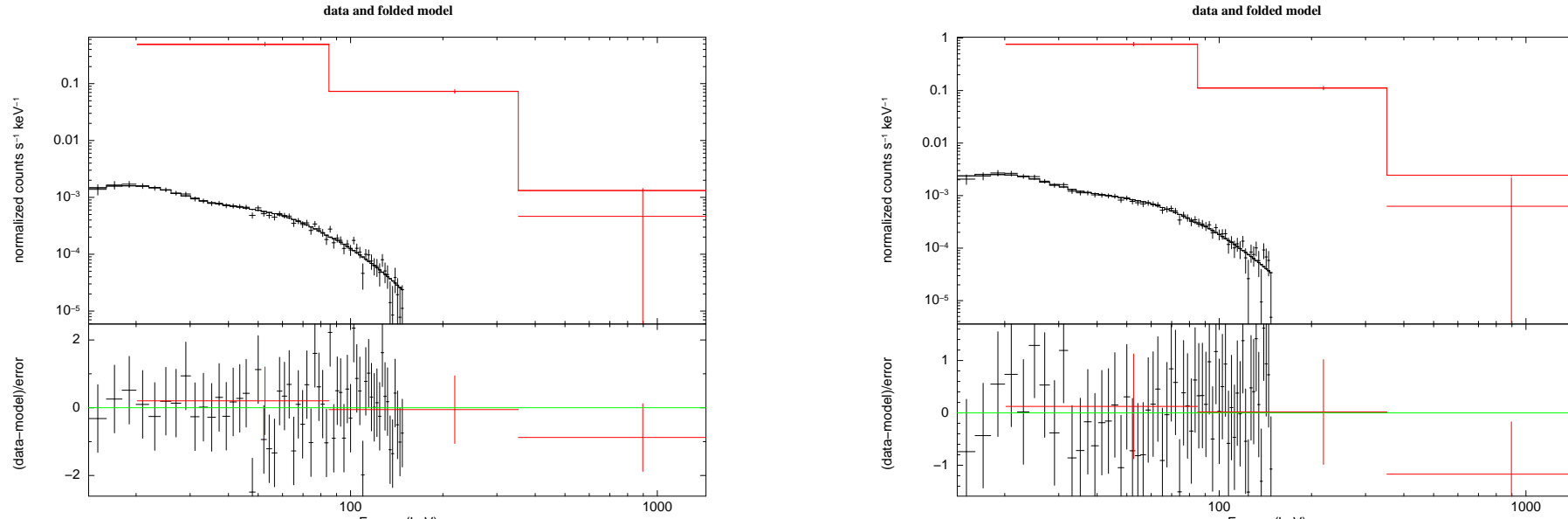
Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$-14.044 \ldots 159.652$	**CPL**	$-1.28^{+0.08}_{-0.08}$	$\ldots$	180^{+43}_{-29}	$0.76^{+0.09}_{-0.07}$	$50.6/59(0.77)$
Peak	$91.94 \ldots 156.708$	**CPL**	$-1.37^{+0.08}_{-0.07}$	$\ldots$	200^{+59}_{-38}	$1.22^{+0.15}_{-0.12}$	$34.8/59(1)$

GRB 111225A T_0 = 13837.79222 s S2 (z=0.297)

GRB 111225A

data and folded model

Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-9.759\ldots22.625$	**CPL**	$-1.48^{+0.17}_{-0.13}$	$\ldots$	230^{+326}_{-94}	$0.87^{+0.25}_{-0.19}$	$52.4/59(0.72)$

GRB 120118B $T_0 = 61221.1954$ s S1 (z=2.943)
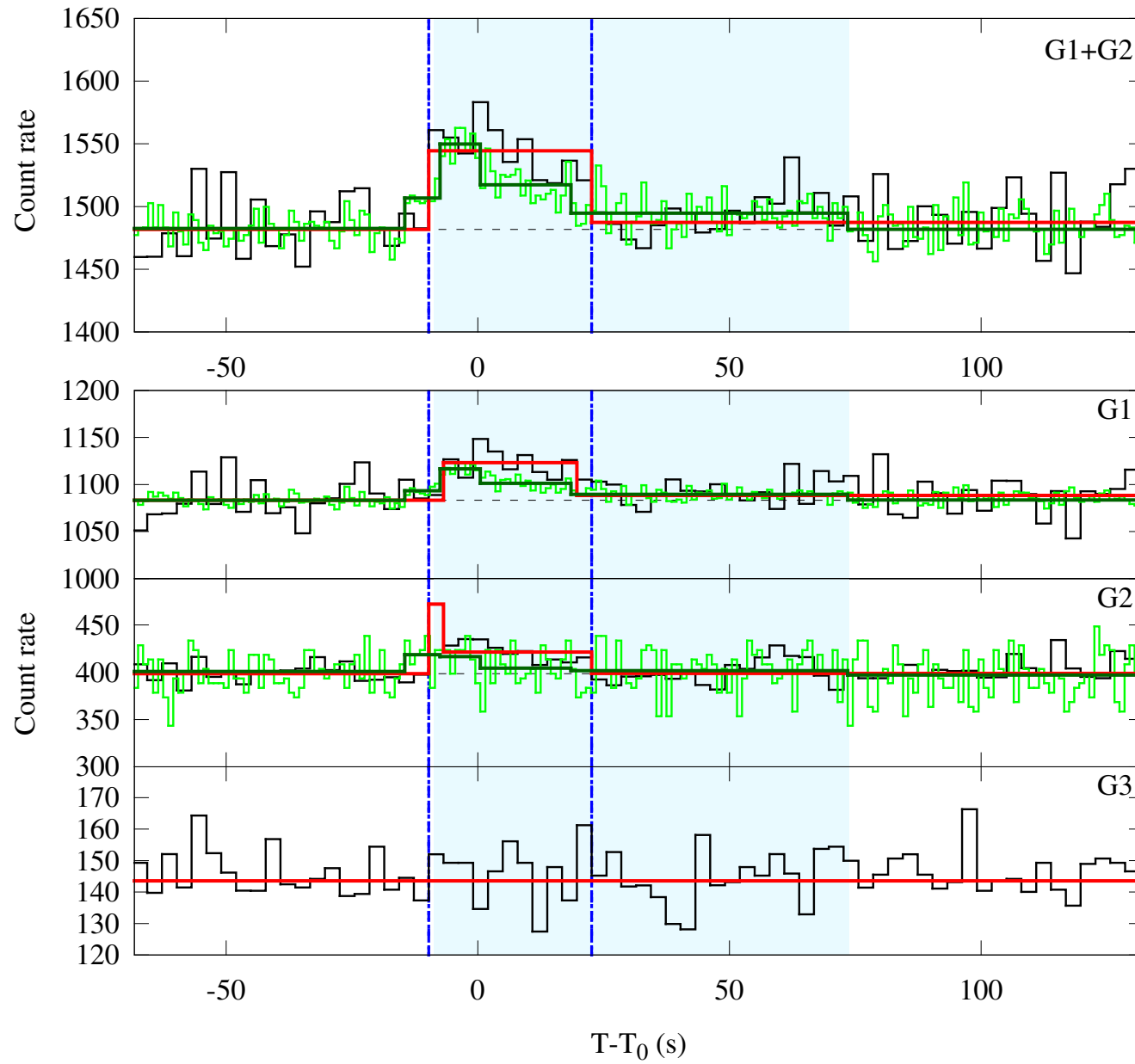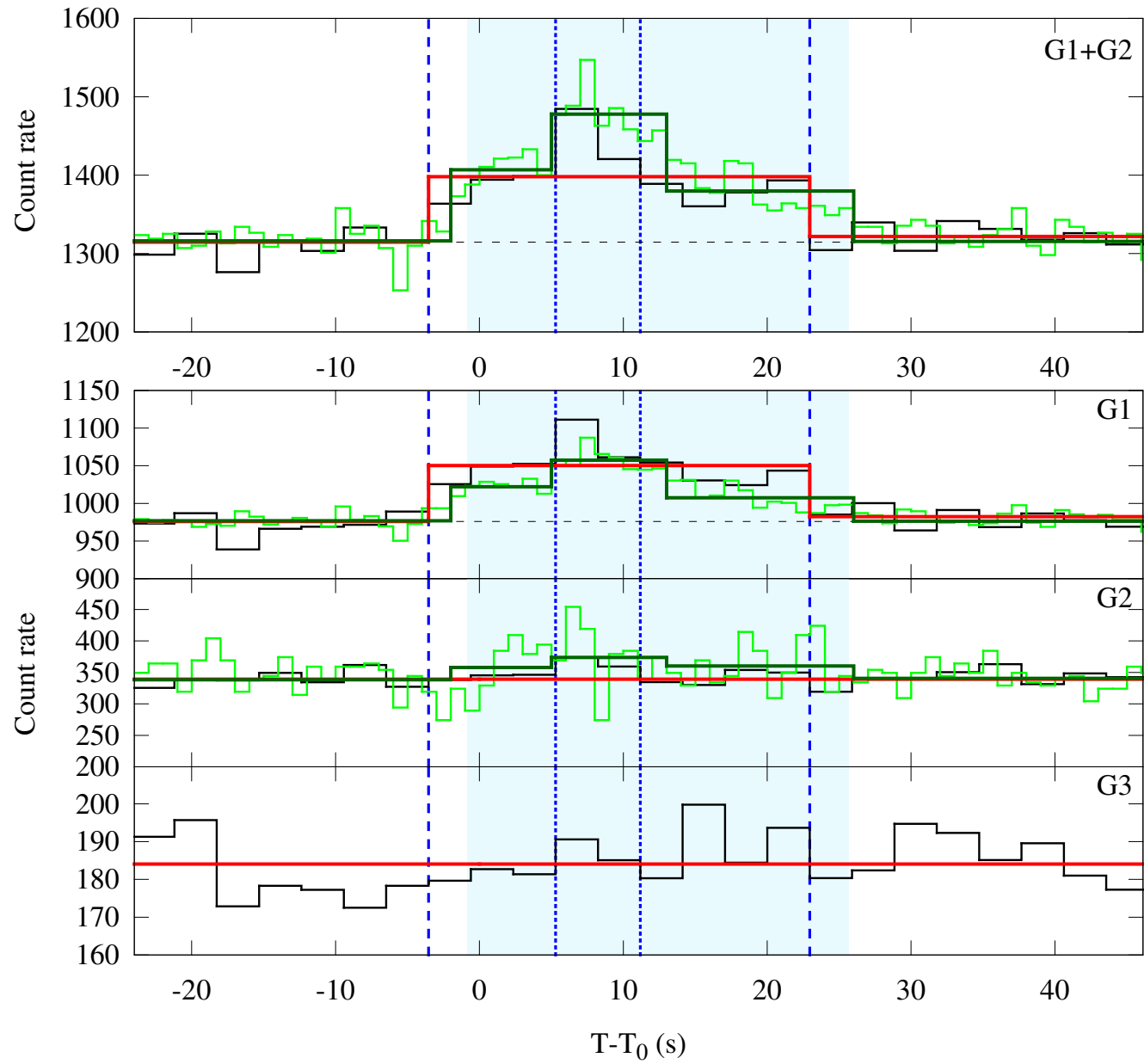
GRB 120118B

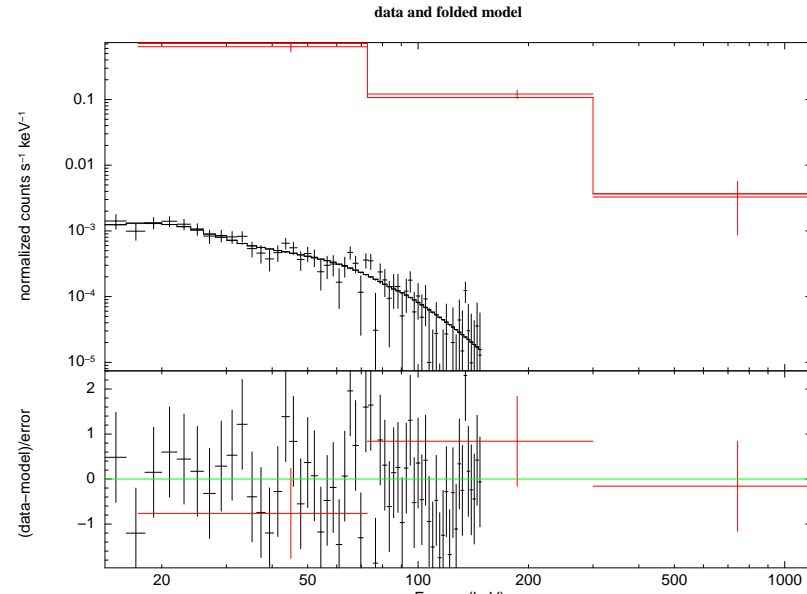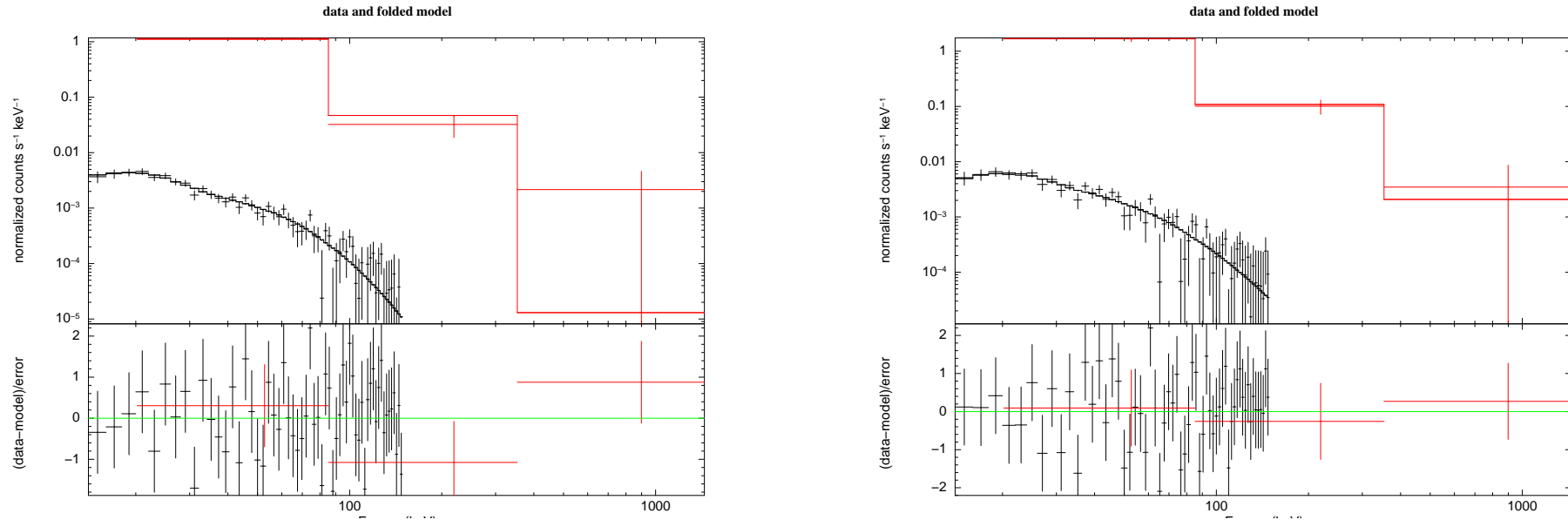Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-3.538\ldots22.958$	**CPL**	$\mathbf{-1.33^{+0.26}_{-0.24}}$	...	$\mathbf{37^{+4}_{-5}}$	$\mathbf{0.81^{+0.05}_{-0.04}}$	$\mathbf{49.7/59(0.8)}$
Peak	$5.294\ldots11.182$	**GRBM**	$\mathbf{-0.26^{+0.83}_{-0.71}}$	$\mathbf{-2.47^{+0.18}_{-0.28}}$	$\mathbf{39^{+6}_{-4}}$	$\mathbf{1.69^{+0.24}_{-0.23}}$	$\mathbf{48.0/58(0.82)}$
		CPL	$-1.20^{+0.36}_{-0.31}$	...	47^{+6}_{-5}	$1.33^{+0.14}_{-0.11}$	$51.4/59(0.75)$

GRB 120326A T_0 = 4829.28014 s S2 (z=1.798)

GRB 120326A
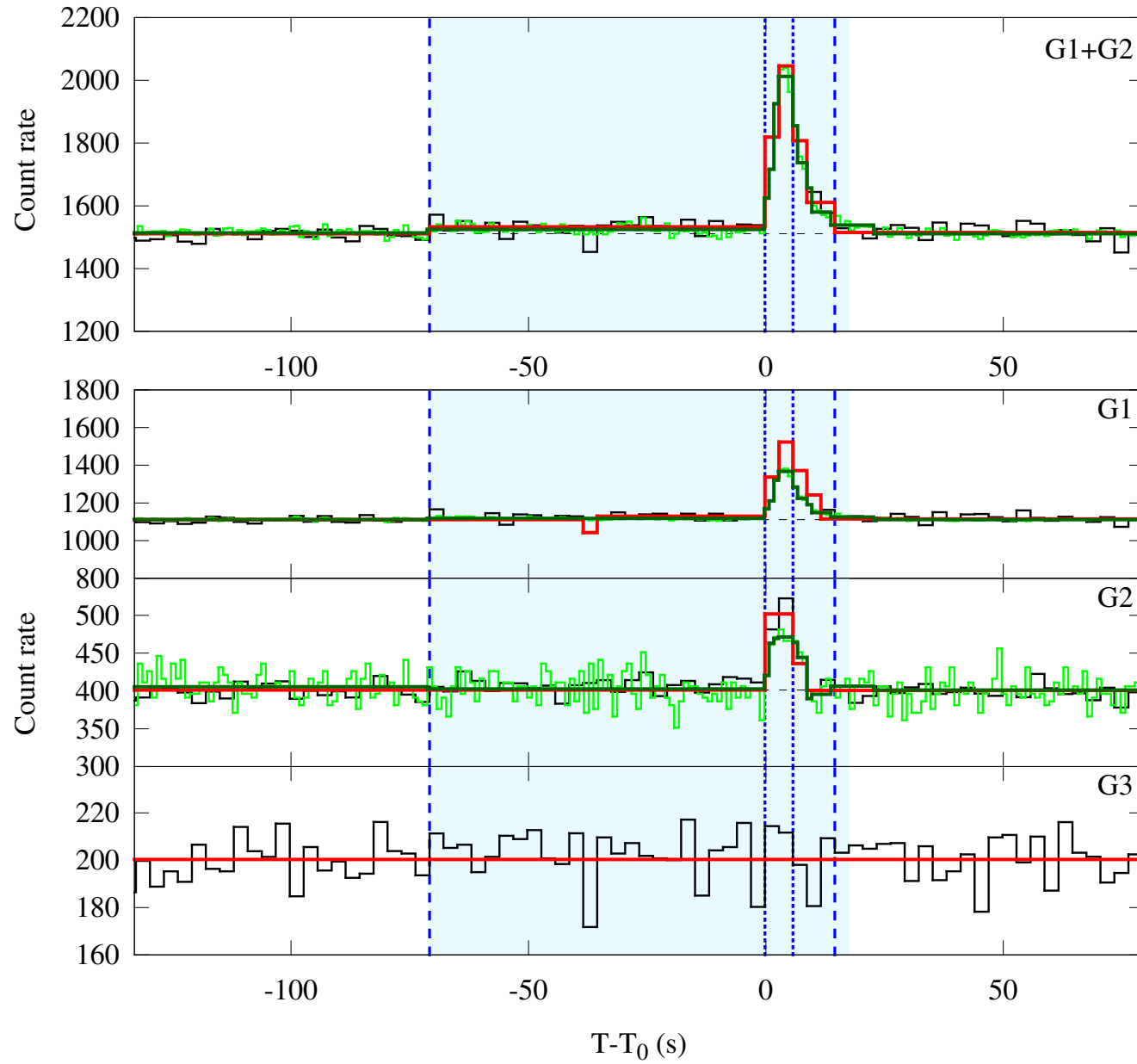

Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$-70.845\ldots14.531$	**GRBM**	$\mathbf{-1.01^{+0.72}_{-0.37}}$	$\mathbf{-2.24^{+0.12}_{-0.16}}$	$\mathbf{41^{+6}_{-7}}$	$\mathbf{0.59^{+0.07}_{-0.06}}$	$\mathbf{50.1/58(0.76)}$
		CPL	$-1.50^{+0.19}_{-0.19}$	$\ldots$	50^{+6}_{-5}	$0.42^{+0.05}_{-0.03}$	$55.4/59(0.61)$
Peak	$-0.189\ldots5.699$	**GRBM**	$\mathbf{-1.00^{+0.36}_{-0.25}}$	$\mathbf{-2.18^{+0.09}_{-0.13}}$	$\mathbf{53^{+7}_{-7}}$	$\mathbf{4.34^{+0.35}_{-0.36}}$	$\mathbf{54.9/58(0.59)}$
		CPL	$-1.39^{+0.14}_{-0.13}$	$\ldots$	68^{+8}_{-5}	$3.09^{+0.24}_{-0.18}$	$63.8/59(0.31)$

GRB 120327A T_0 = 10516.6364 s S1 (z=2.813)

GRB 120327A

Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.
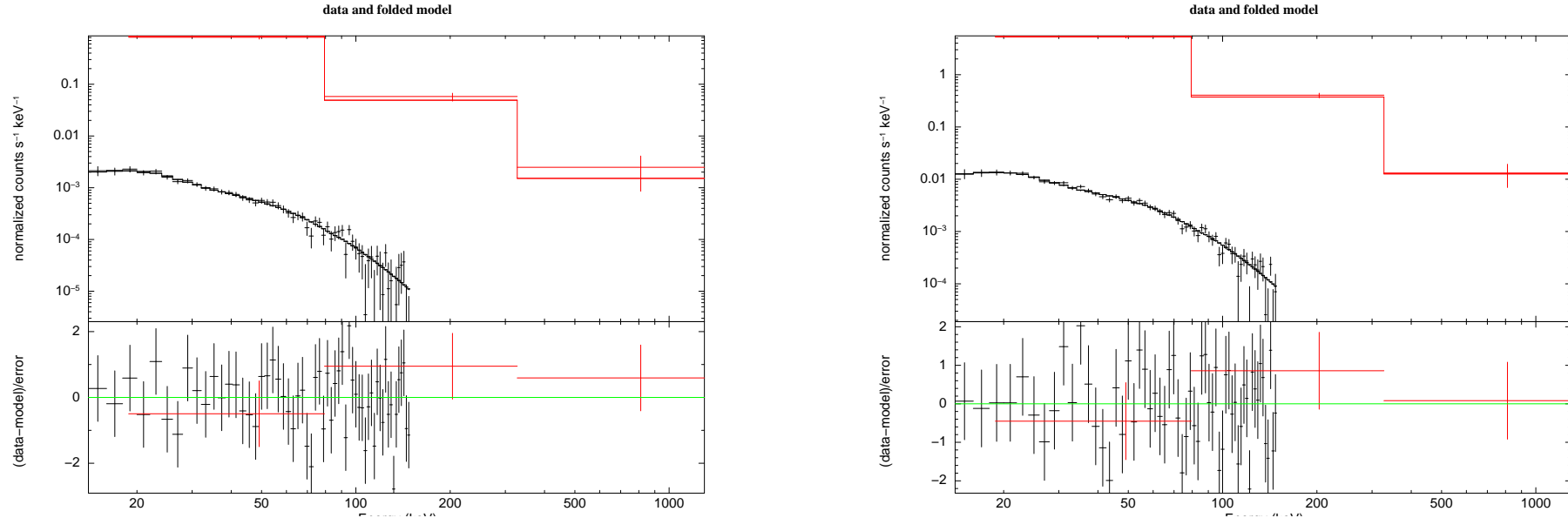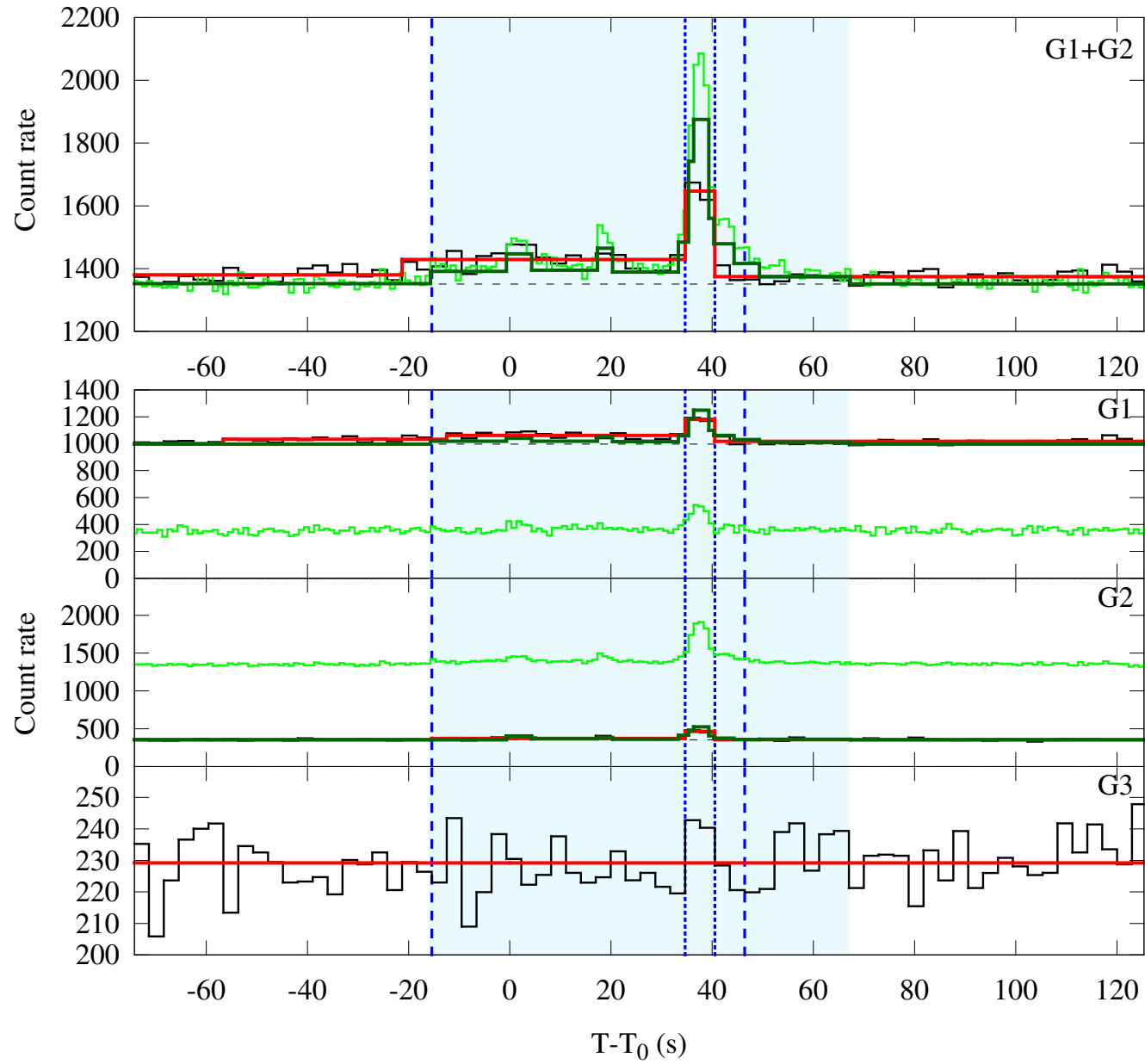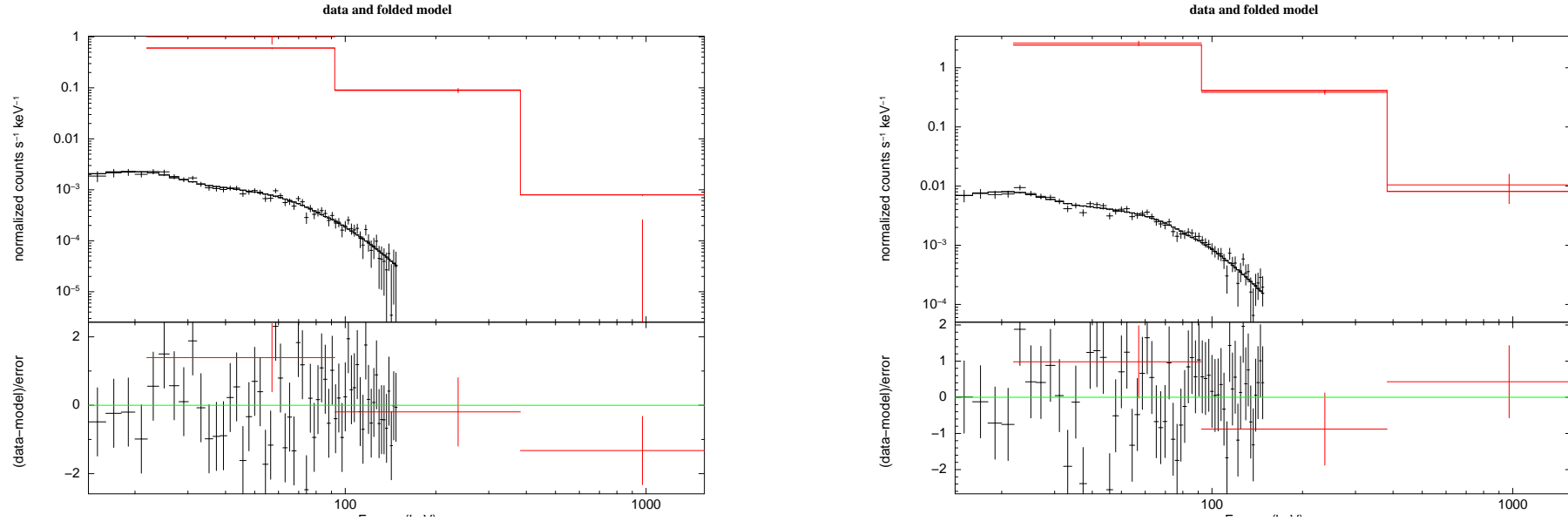
Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$-15.398\ldots46.426$	**CPL**	$\mathbf{-1.11^{+0.10}_{-0.10}}$	$\ldots$	$\mathbf{137^{+22}_{-16}}$	$\mathbf{1.33^{+0.13}_{-0.10}}$	$\mathbf{60.7/59(0.41)}$
Peak	$34.65\ldots40.538$	**GRBM**	$\mathbf{-0.85^{+0.12}_{-0.11}}$	$\mathbf{-2.66^{+0.40}_{-1.57}}$	$\mathbf{141^{+19}_{-15}}$	$\mathbf{6.49^{+0.93}_{-0.88}}$	$\mathbf{62.6/58(0.32)}$
		CPL	$-0.88^{+0.11}_{-0.10}$	$\ldots$	147^{+20}_{-15}	$5.64^{+0.50}_{-0.41}$	$63.8/59(0.31)$

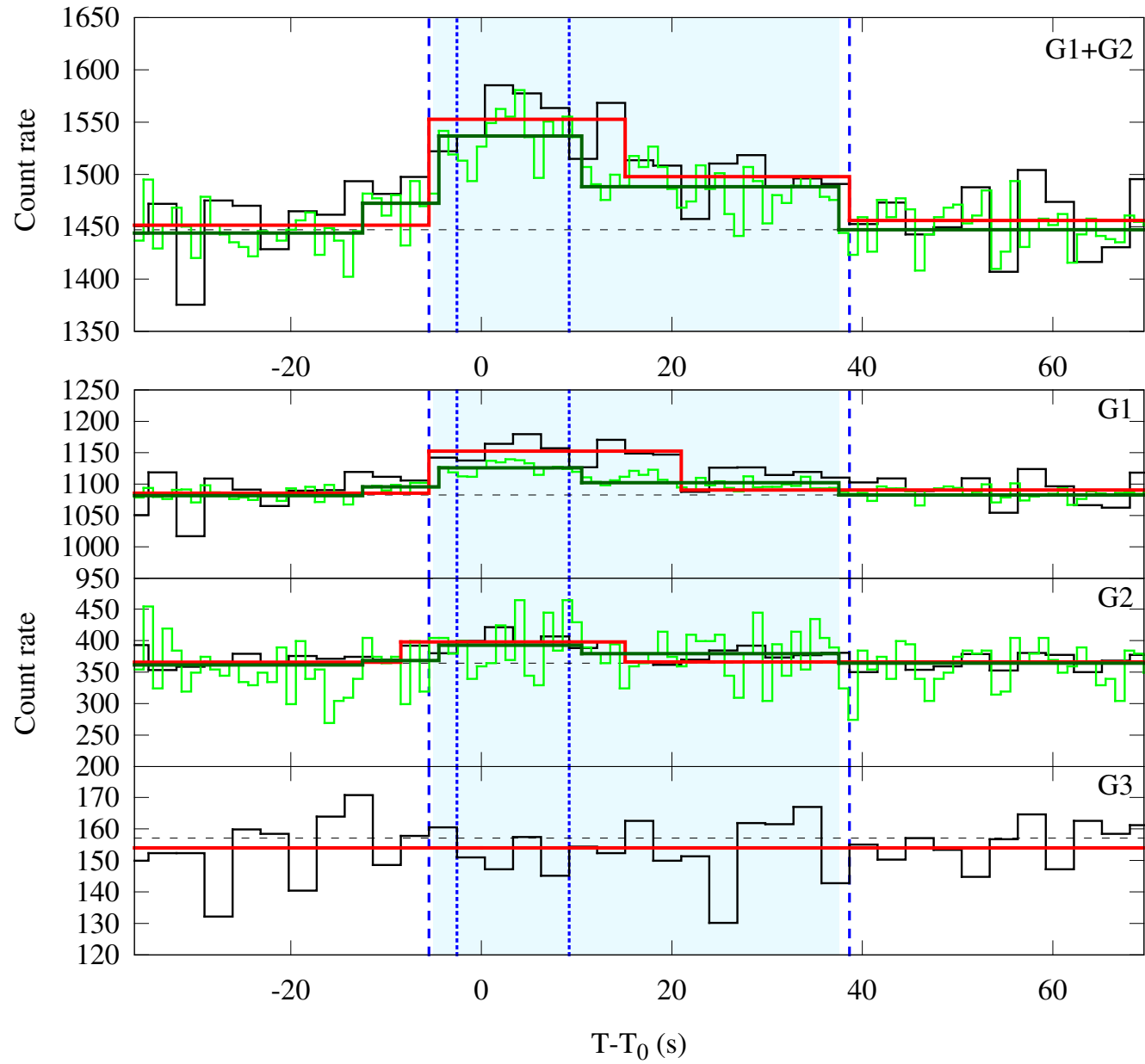GRB 120404A T_0 = 46262.39868 s S2 (z=2.876)

GRB 120404A

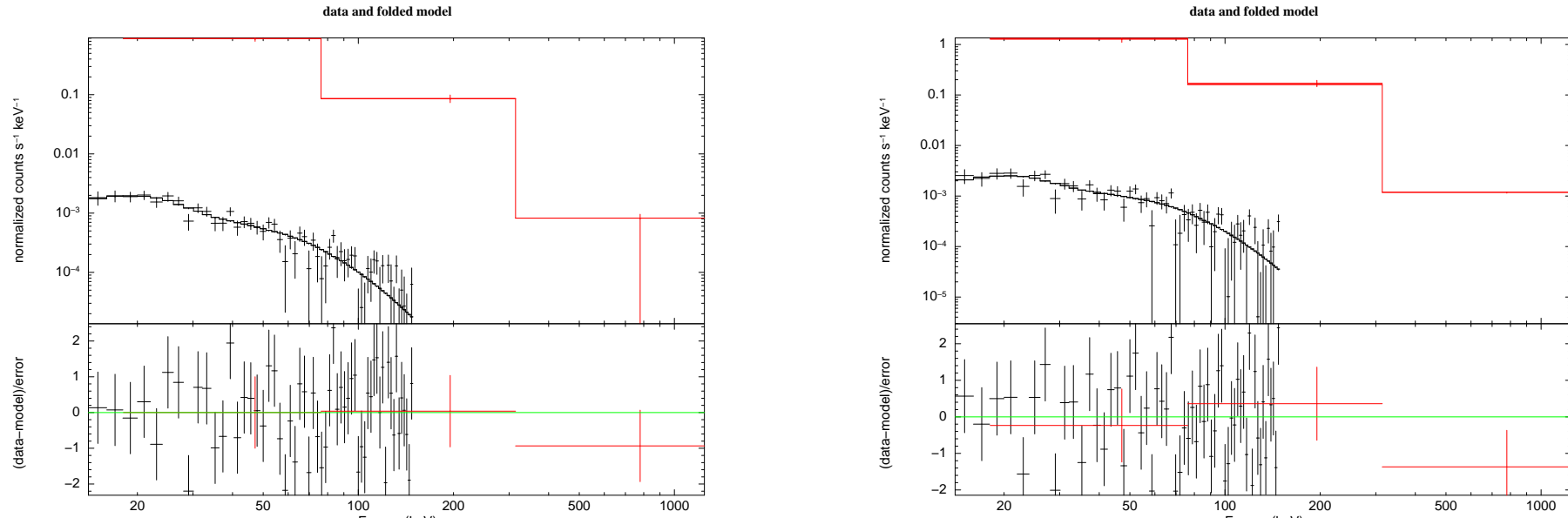Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$-5.506\ldots38.654$	**CPL**	$-1.61^{+0.21}_{-0.18}$	...	70^{+21}_{-13}	$0.73^{+0.12}_{-0.08}$	$68.6/59(0.18)$
Peak	$-2.562\ldots9.214$	**CPL**	$-1.19^{+0.27}_{-0.23}$	...	96^{+27}_{-16}	$1.20^{+0.19}_{-0.14}$	$78.7/59(0.044)$

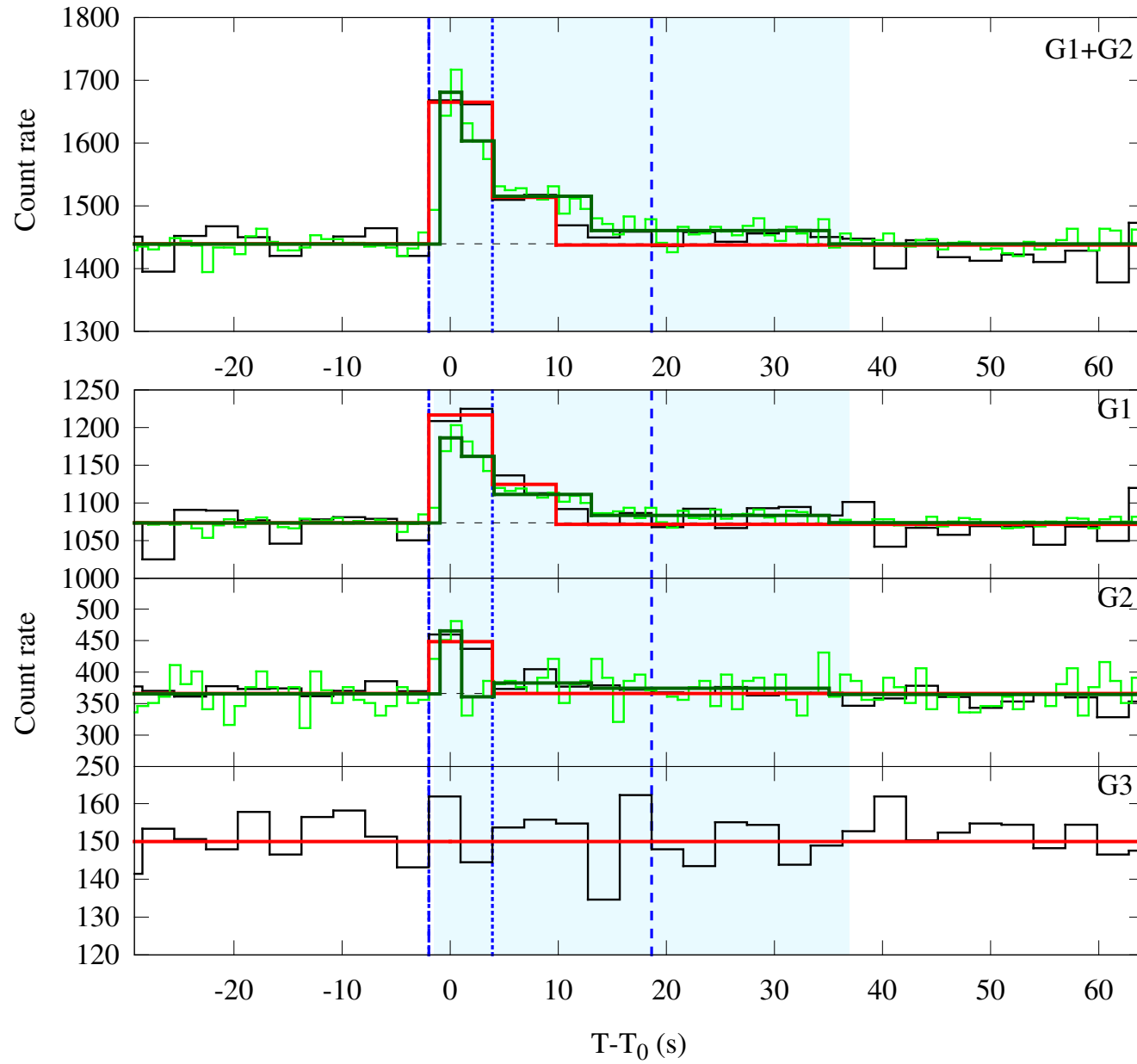GRB 120521C T_0 = 84127.70312 s S2 (z=6)

T-T_0 (s)

GRB 120521C

Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_p (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$-1.978\ldots18.630$	**CPL**	$\mathbf{-1.50^{+0.14}_{-0.11}}$	...	$\mathbf{188^{+166}_{-63}}$	$\mathbf{1.10^{+0.27}_{-0.20}}$	$\mathbf{73.5/59(0.096)}$
Peak	$-1.978\ldots3.910$	**CPL**	$\mathbf{-1.07^{+0.17}_{-0.15}}$	...	$\mathbf{140^{+38}_{-25}}$	$\mathbf{2.31^{+0.35}_{-0.27}}$	$\mathbf{91.5/59(0.0043)}$

GRB 120712A $T_0 = 49347.38226$ s S1 (z=4.1745)
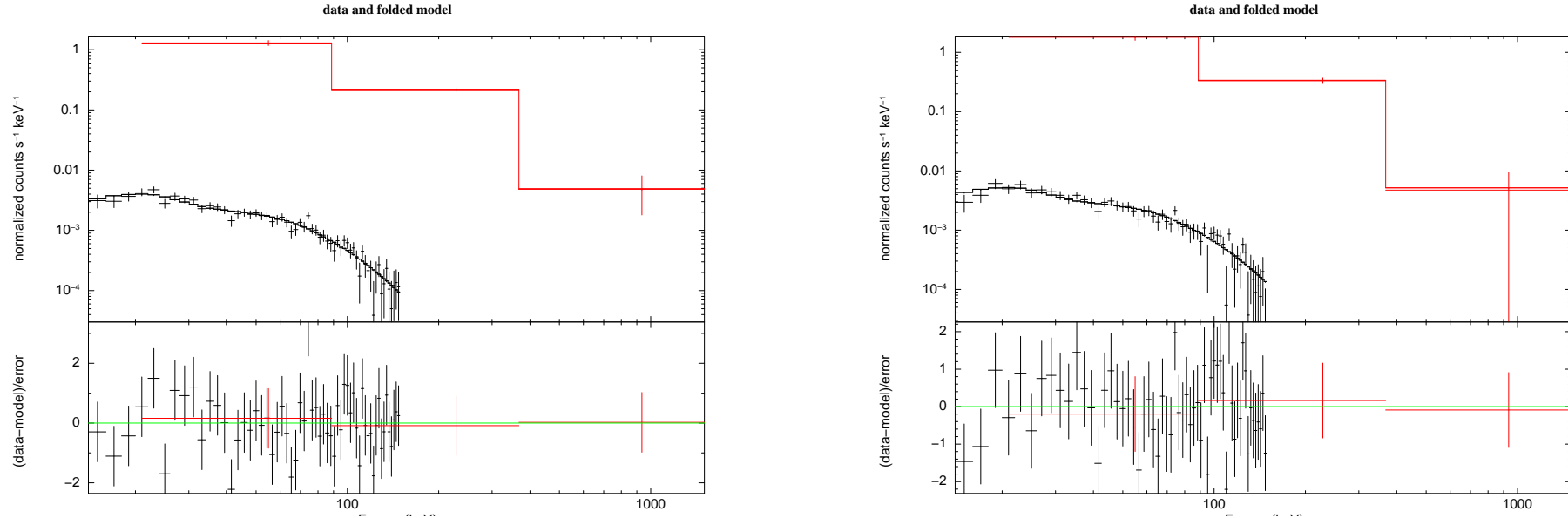
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GRB 120712A

Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.
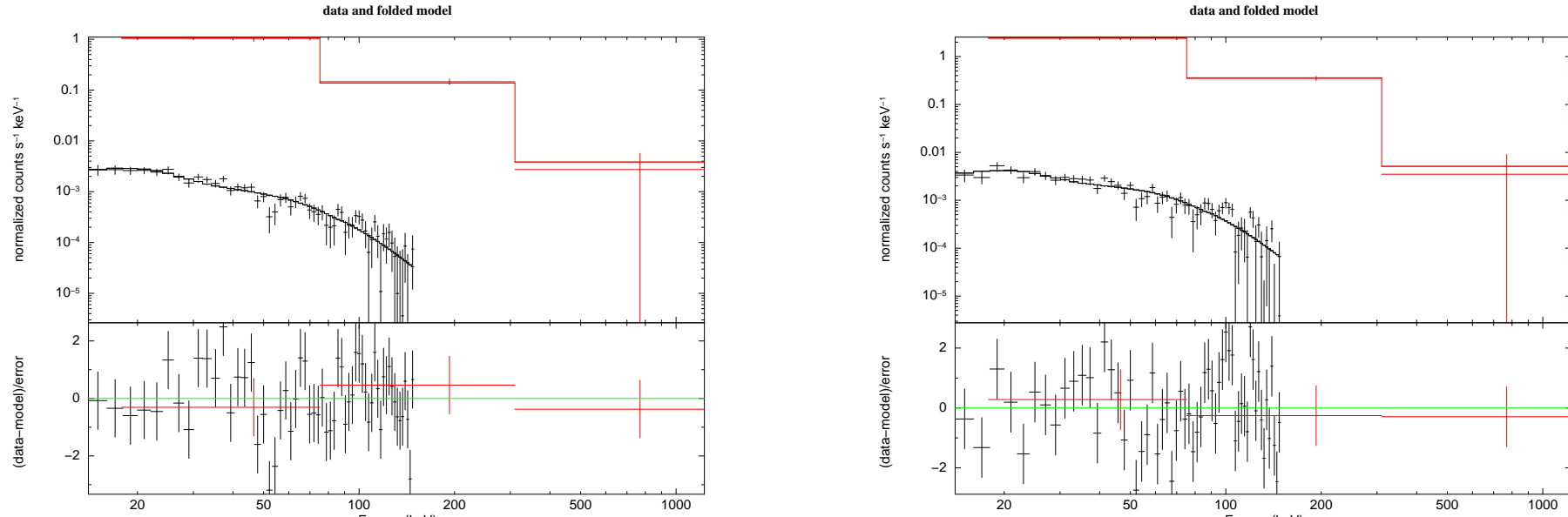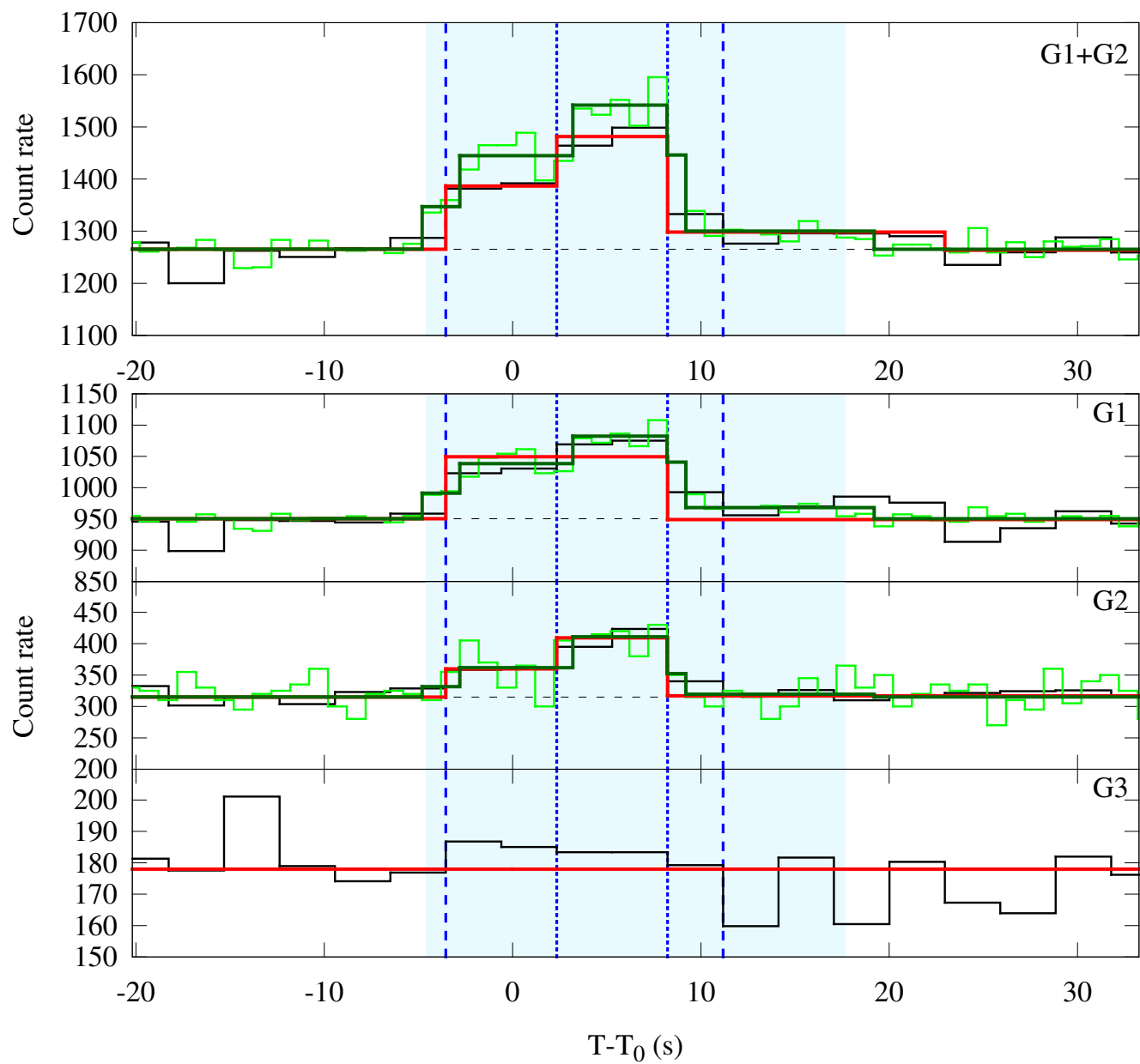
Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_p (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$-3.543\ldots11.177$	**GRBM**	$\mathbf{-1.02^{+0.14}_{-0.12}}$	$\mathbf{-2.64^{+0.55}_{-2.40}}$	$\mathbf{176^{+47}_{-34}}$	$\mathbf{2.69^{+0.48}_{-0.23}}$	$\mathbf{51.8/58(0.7)}$
		CPL	$-1.05^{+0.12}_{-0.11}$	$\ldots$	189^{+50}_{-33}	$2.47^{+0.36}_{-0.28}$	$52.1/59(0.73)$
Peak	$2.345\ldots8.233$	**CPL**	$\mathbf{-1.00^{+0.13}_{-0.12}}$	$\ldots$	$\mathbf{192^{+51}_{-34}}$	$\mathbf{3.66^{+0.56}_{-0.44}}$	$\mathbf{52.5/59(0.71)}$

GRB 120722A T$_0$ = 46406.5464 s S2 (z=0.9586)

GRB 120722A

Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-6.675\ldots34.541$	**CPL**	$\mathbf{-1.79^{+0.40}_{-0.21}}$	$\ldots$	$\mathbf{32^{+20}_{-32}}$	$\mathbf{0.48^{+0.10}_{-0.06}}$	$\mathbf{41.7/59(0.96)}$

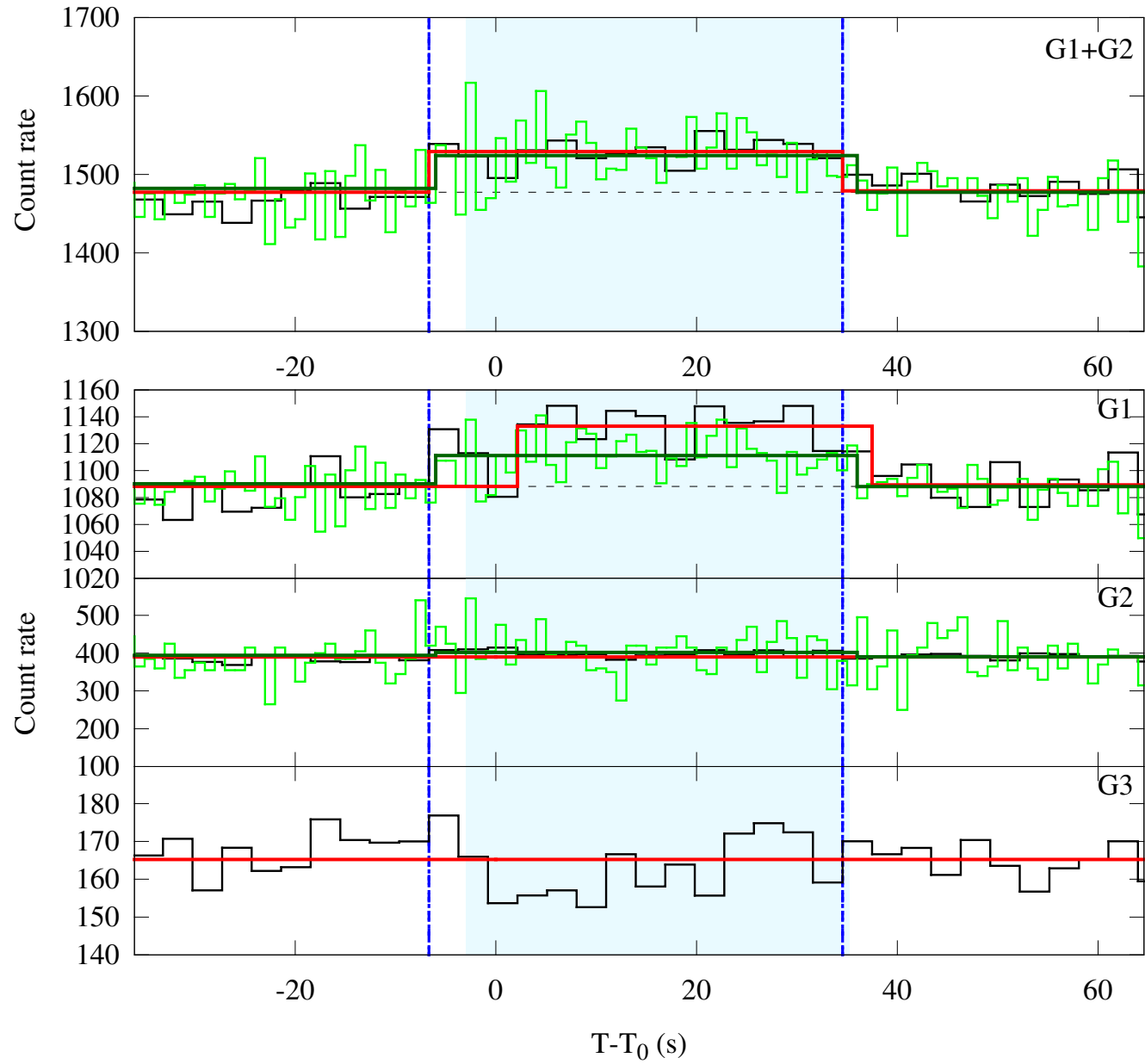GRB 120802A T_0 = 28851.62756 s S1 (z=3.796)
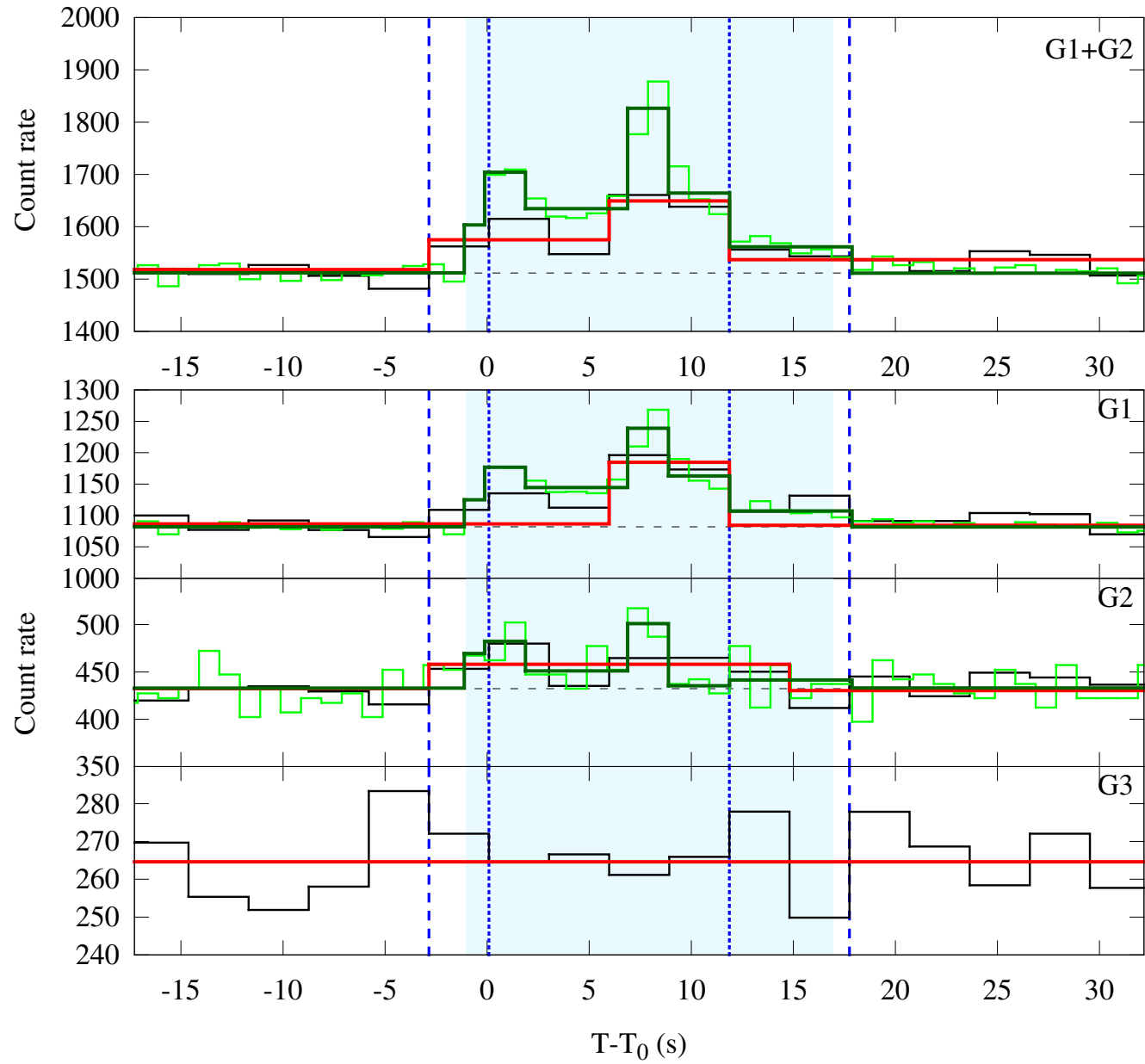
GRB 120802A

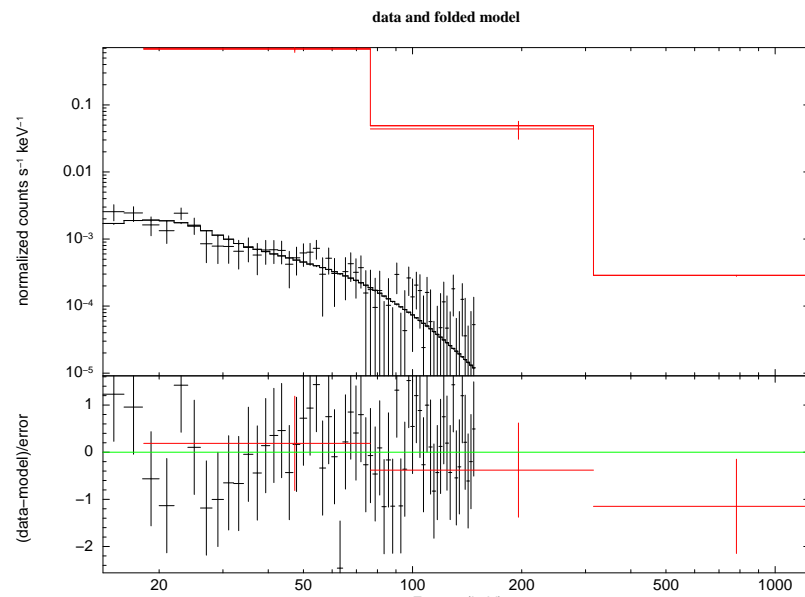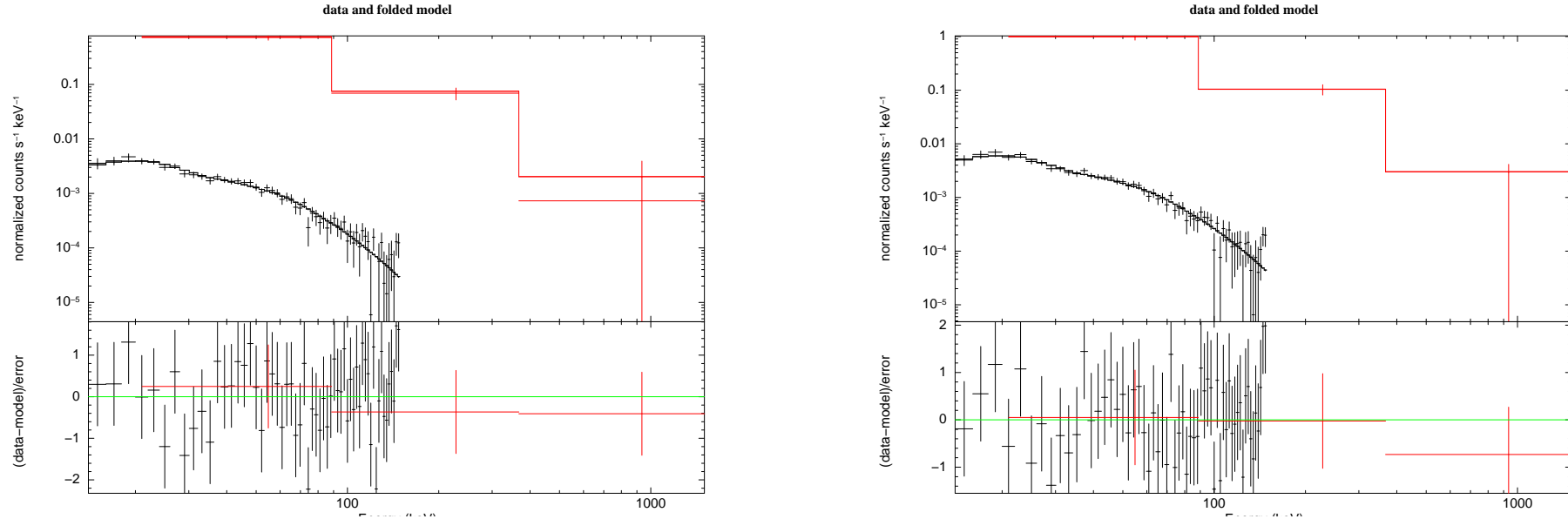Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-2.854\ldots17.754$	**GRBM**	$\mathbf{-0.86^{+0.35}_{-0.31}}$	$\mathbf{-2.33^{+0.15}_{-0.24}}$	$\mathbf{52^{+7}_{-5}}$	$\mathbf{1.60^{+0.20}_{-0.19}}$	$\mathbf{44.3/58(0.91)}$
		CPL	$-1.21^{+0.20}_{-0.19}$	$\ldots$	62^{+7}_{-5}	$1.23^{+0.10}_{-0.08}$	$46.4/59(0.88)$
Peak	$0.09\ldots11.866$	**GRBM**	$\mathbf{-0.95^{+0.37}_{-0.32}}$	$\mathbf{-2.28^{+0.13}_{-0.24}}$	$\mathbf{50^{+8}_{-5}}$	$\mathbf{2.25^{+0.28}_{-0.28}}$	$\mathbf{38.9/58(0.97)}$
		CPL	$-1.33^{+0.19}_{-0.18}$	$\ldots$	61^{+8}_{-5}	$1.72^{+0.16}_{-0.12}$	$41.1/59(0.96)$

GRB 120811C $T_0 = 56092.17004$ s S2 (z=2.671)

GRB 120811C
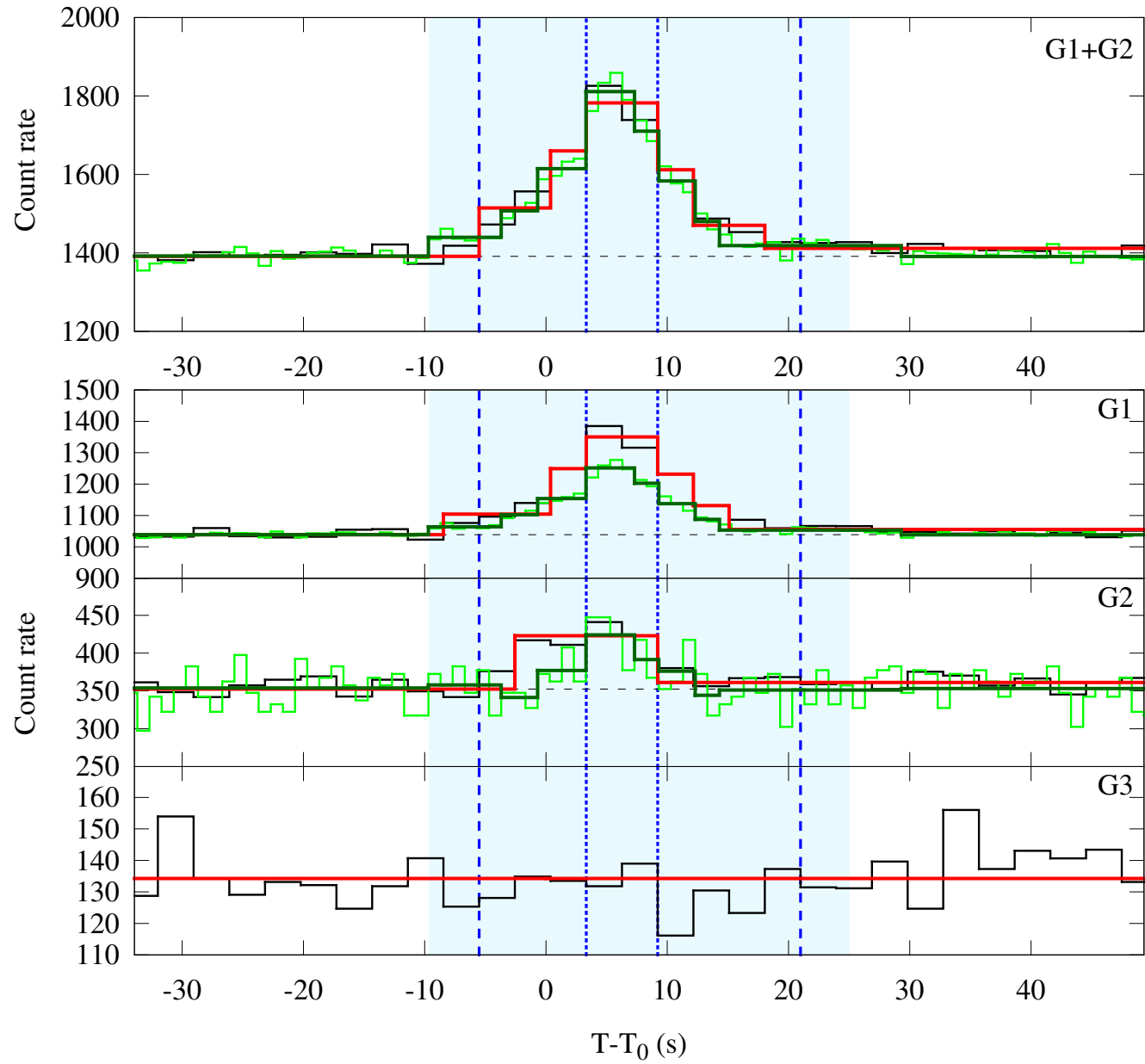

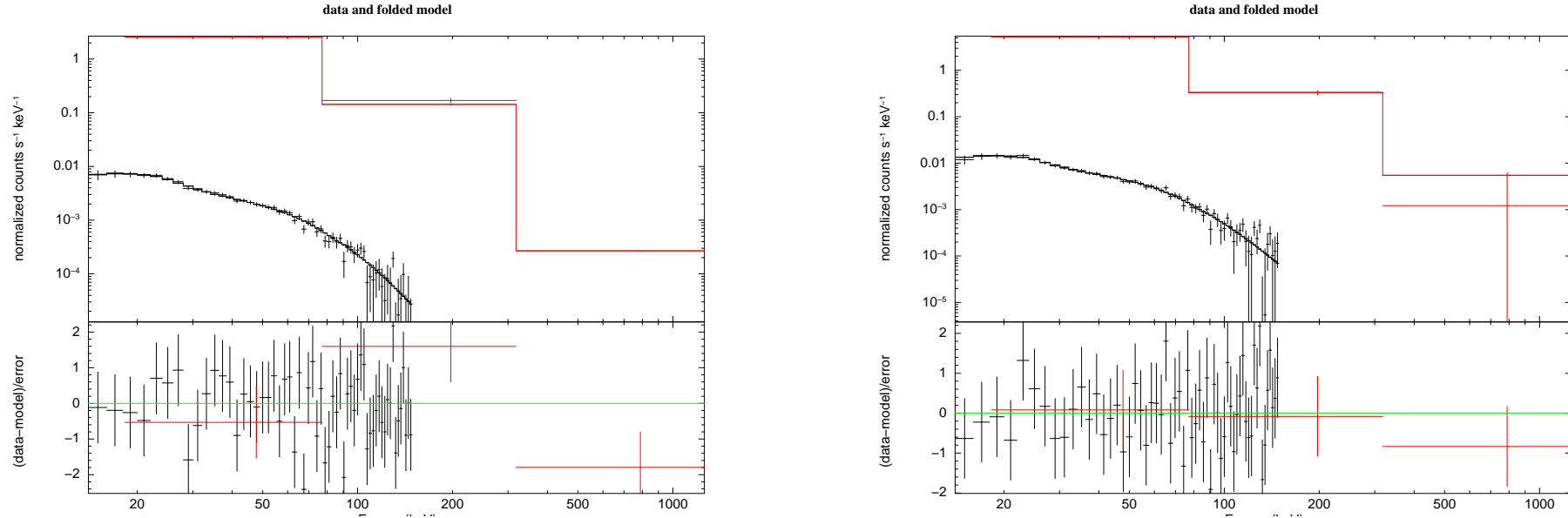Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$-5.508\ldots20.988$	**CPL**	$\mathbf{-1.38^{+0.13}_{-0.13}}$	$\ldots$	$\mathbf{49^{+3}_{-3}}$	$\mathbf{1.25^{+0.06}_{-0.05}}$	$\mathbf{53.4/59(0.68)}$
Peak	$3.324\ldots9.212$	**GRBM**	$\mathbf{-1.05^{+0.23}_{-0.19}}$	$\mathbf{-2.63^{+0.20}_{-0.60}}$	$\mathbf{51^{+4}_{-3}}$	$\mathbf{3.15^{+0.30}_{-0.37}}$	$\mathbf{44.1/58(0.91)}$
		CPL	$-1.22^{+0.14}_{-0.14}$	$\ldots$	55^{+3}_{-3}	$2.61^{+0.12}_{-0.10}$	$45.4/59(0.9)$

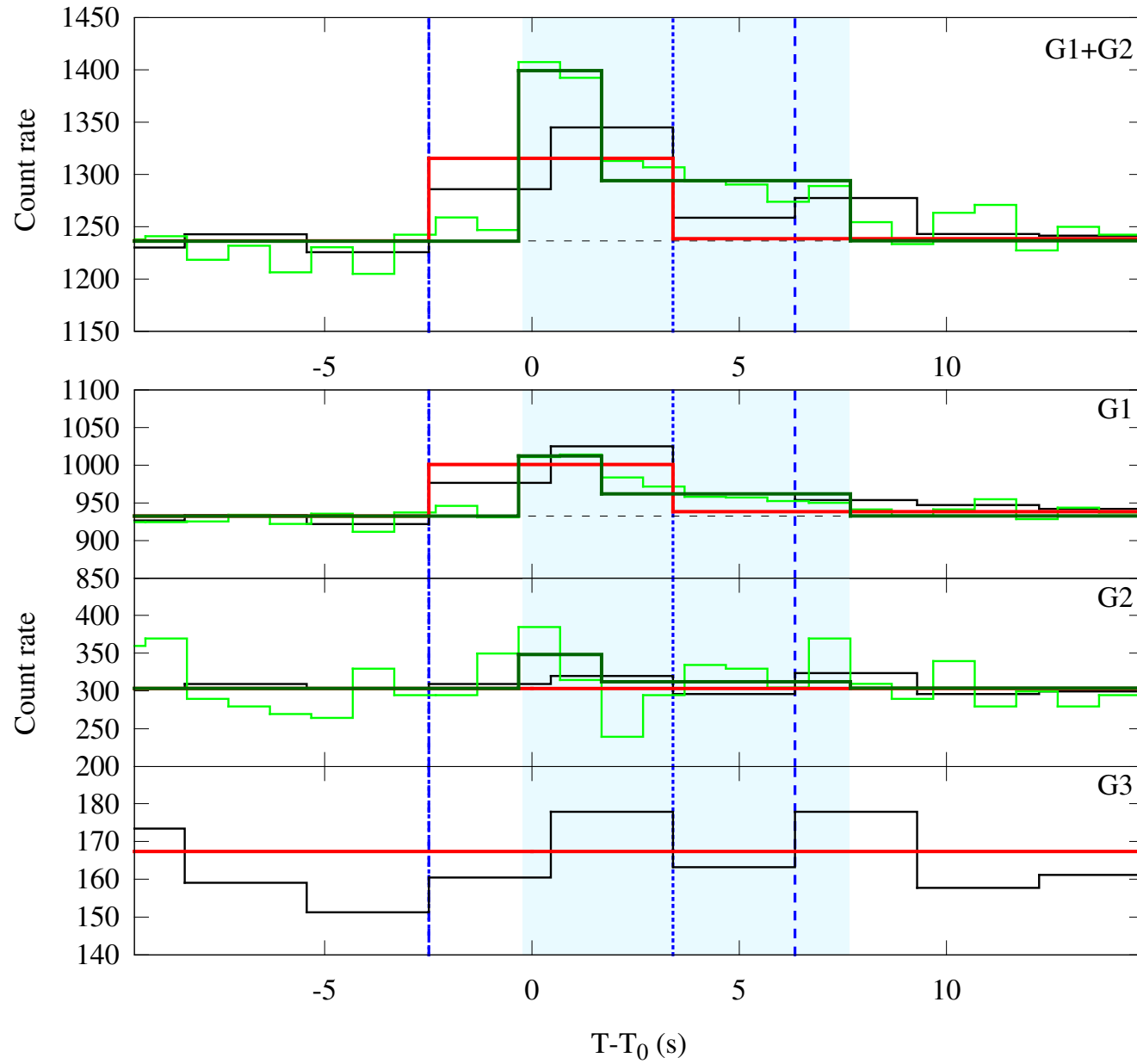GRB 120815A $T_0 = 8038.78164$ s S1 (z=2.358)

GRB 120815A

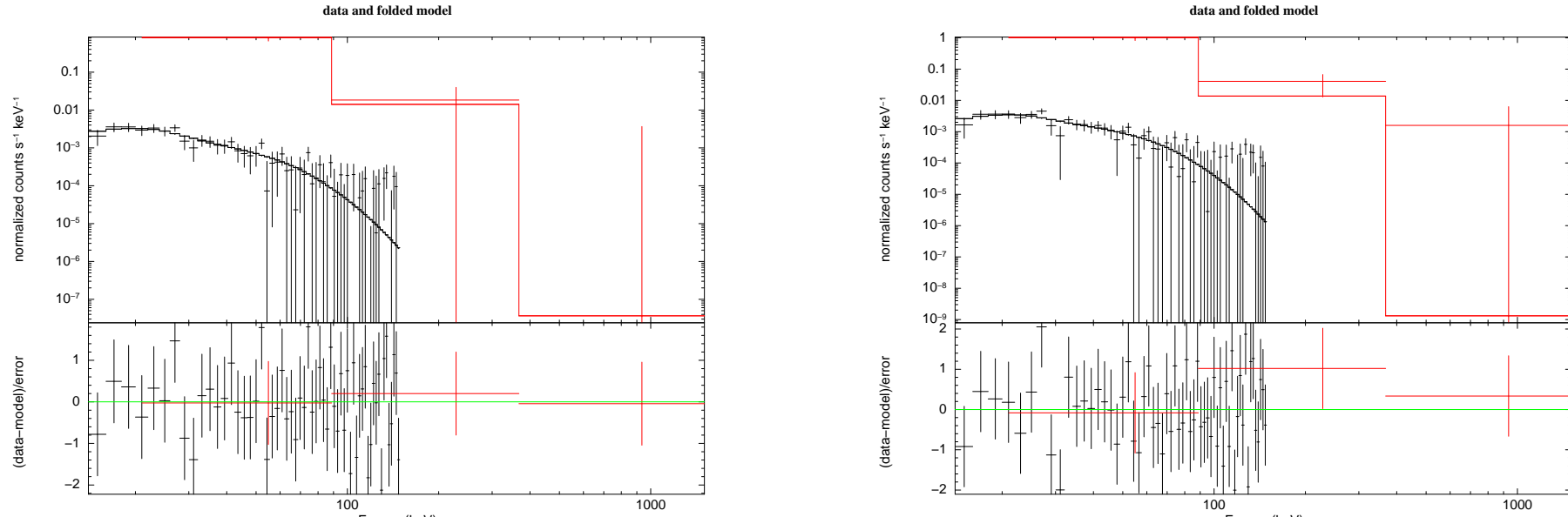Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7} \text{ erg cm}^{-2} \text{ s}^{-1})$	χ^2/dof (Prob.)
Time-integrated	$-2.487\ldots6.345$	**CPL**	$\mathbf{-0.87^{+0.79}_{-0.65}}$	...	$\mathbf{31^{+5}_{-8}}$	$\mathbf{0.53^{+0.06}_{-0.05}}$	$\mathbf{47.2/59(0.87)}$
Peak	$-2.487\ldots3.401$	**CPL**	$\mathbf{-0.12^{+1.03}_{-0.84}}$	...	$\mathbf{36^{+4}_{-4}}$	$\mathbf{0.62^{+0.07}_{-0.06}}$	$\mathbf{50.4/59(0.78)}$

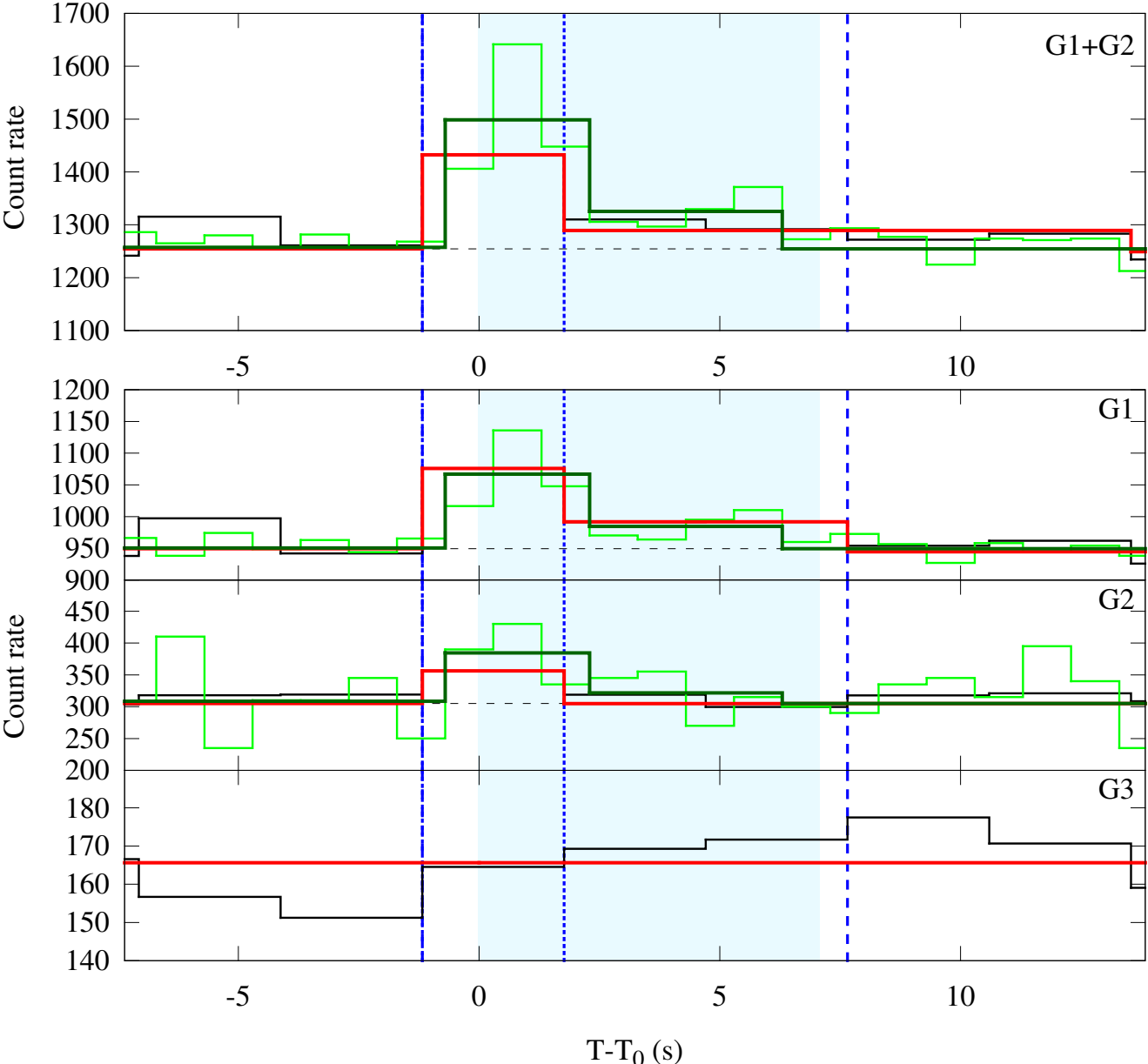GRB 120907A $T_0 = 1463.0825$ s S1 (z=0.970)

GRB 120907A

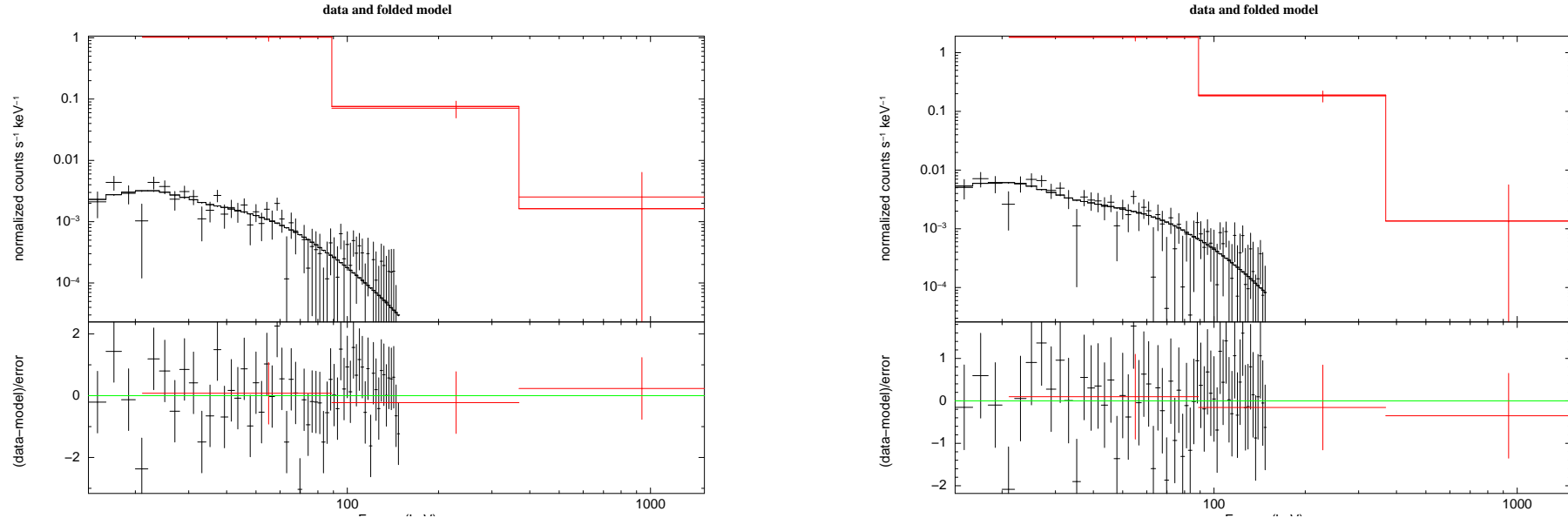Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-1.179\ldots7.653$	**GRBM**	$\mathbf{0.05^{+1.66}_{-0.77}}$	$\mathbf{-2.36^{+0.28}_{-0.36}}$	$\mathbf{49^{+10}_{-11}}$	$\mathbf{1.13^{+0.29}_{-0.21}}$	$\mathbf{57.7/58(0.49)}$
		CPL	$-0.87^{+0.48}_{-0.40}$	$\ldots$	67^{+16}_{-10}	$0.85^{+0.14}_{-0.10}$	$60.1/59(0.43)$
Peak	$-1.179\ldots1.765$	**CPL**	$\mathbf{-1.31^{+0.31}_{-0.26}}$	$\ldots$	$\mathbf{108^{+65}_{-26}}$	$\mathbf{2.07^{+0.53}_{-0.32}}$	$\mathbf{41.7/59(0.96)}$

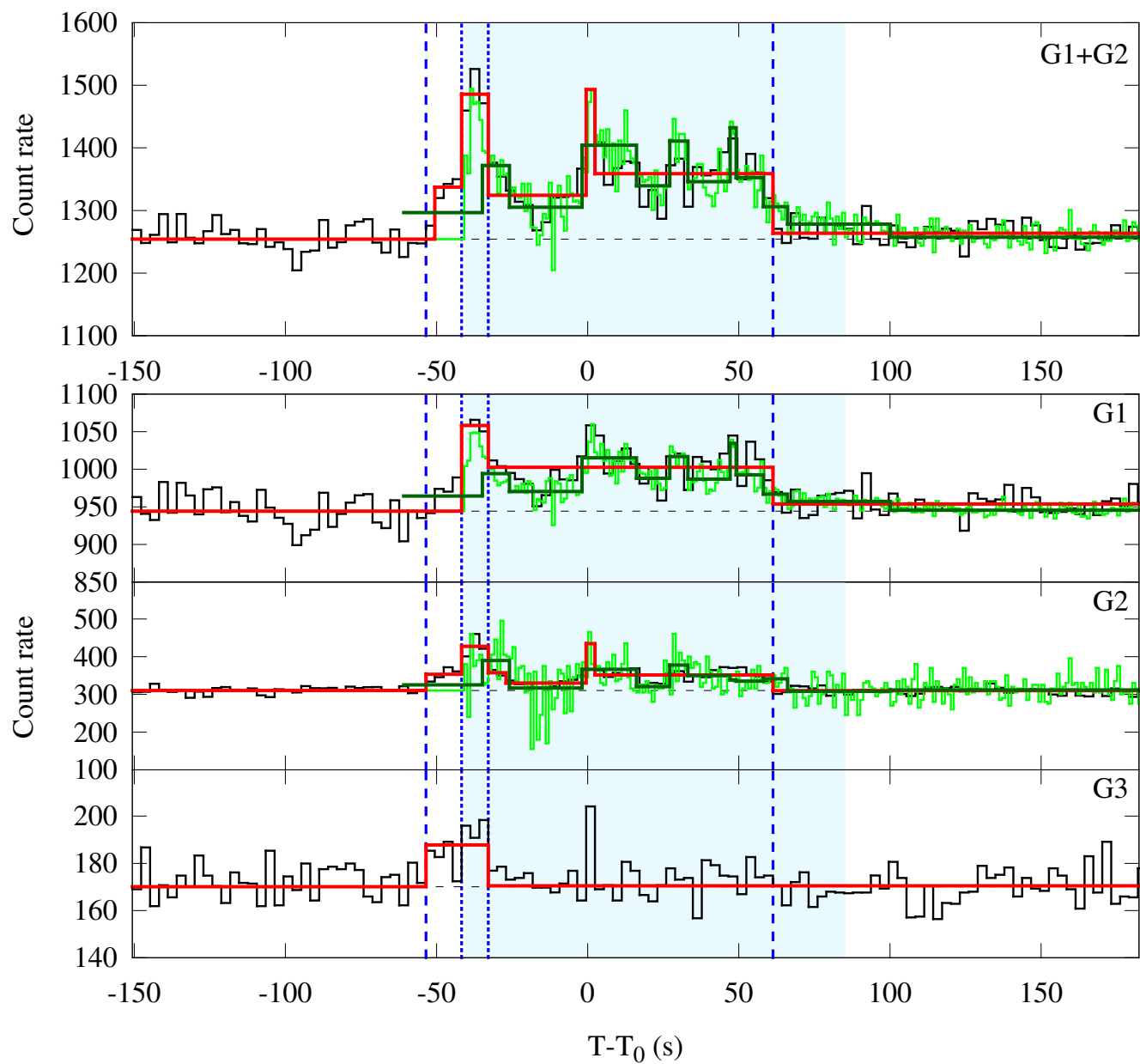GRB 120909A $T_0 = 6123.23504$ s S1 (z=3.93)

GRB 120909A

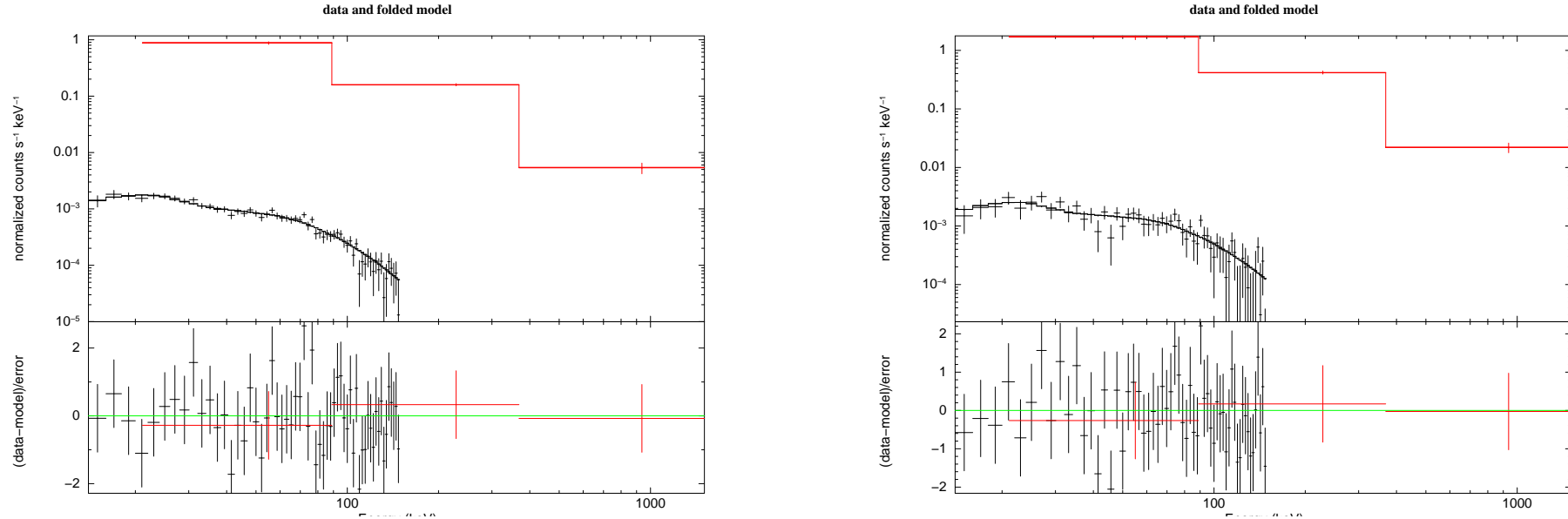Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-53.508\ldots61.308$	**GRBM**	$\mathbf{-1.02^{+0.12}_{-0.10}}$	$\mathbf{-2.18^{+0.23}_{-0.59}}$	$\mathbf{220^{+60}_{-44}}$	$\mathbf{1.99^{+0.17}_{-0.17}}$	$\mathbf{47.2/58(0.84)}$
		CPL	$-1.12^{+0.07}_{-0.06}$	$\ldots$	296^{+57}_{-44}	$1.88^{+0.17}_{-0.16}$	$48.5/59(0.83)$
Peak	$-41.732\ldots-32.9$	**GRBM**	$\mathbf{-0.89^{+0.26}_{-0.15}}$	$\mathbf{-1.90^{+0.24}_{-0.37}}$	$\mathbf{333^{+141}_{-136}}$	$\mathbf{6.10^{+0.60}_{-0.61}}$	$\mathbf{44.1/58(0.91)}$
		CPL	$-0.99^{+0.09}_{-0.09}$	$\ldots$	506^{+143}_{-100}	$6.05^{+0.67}_{-0.66}$	$44.4/59(0.92)$

GRB 120922A $T_0 = 81028.65656$ s S1 (z=3.1)
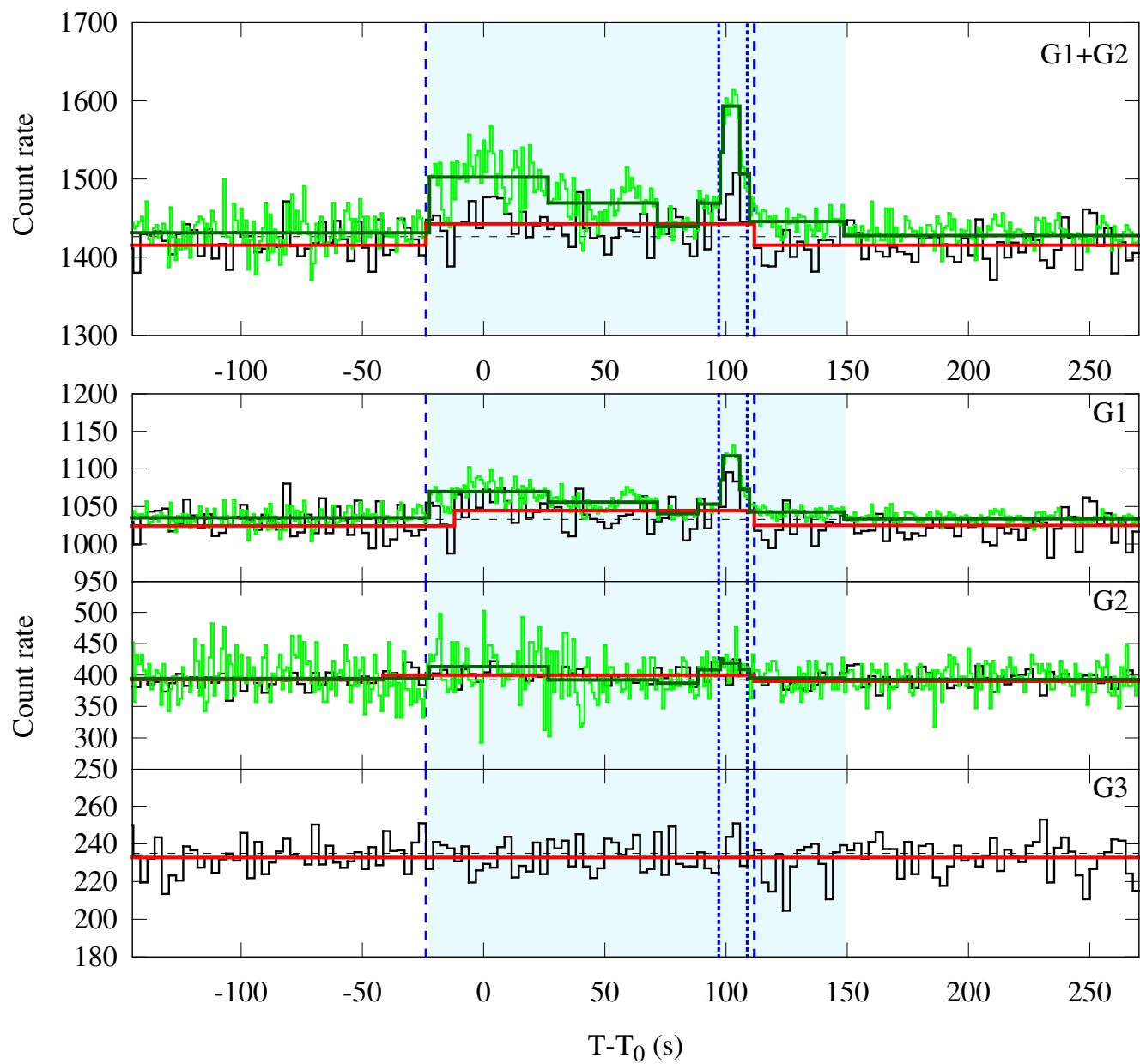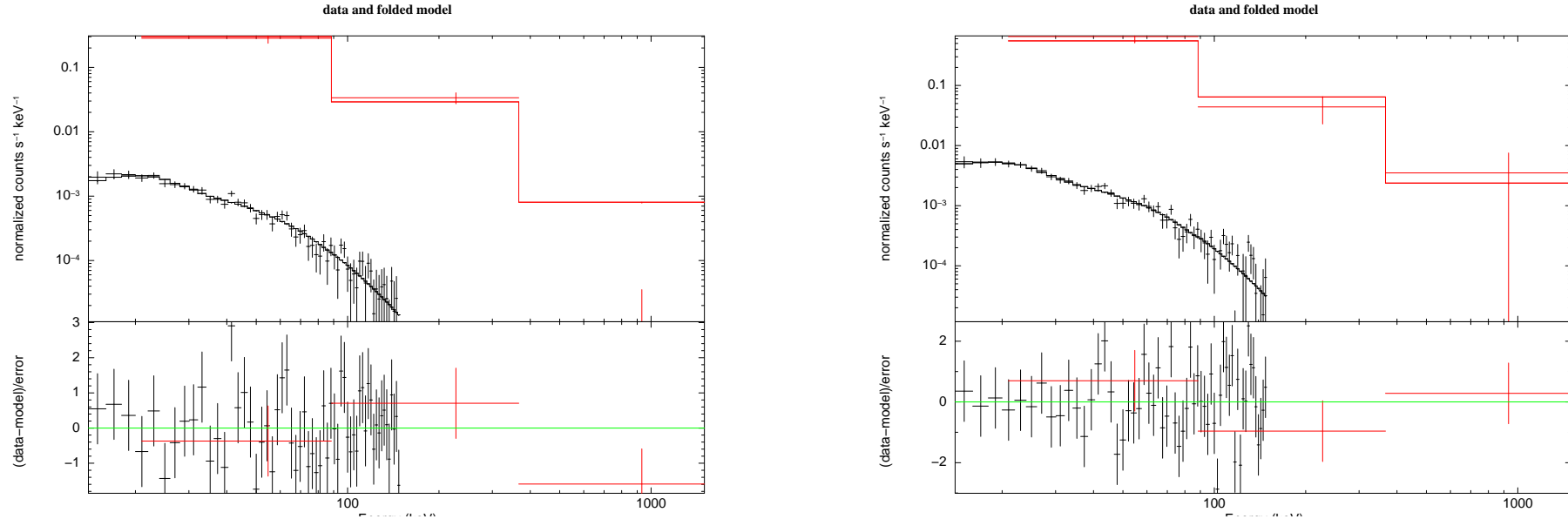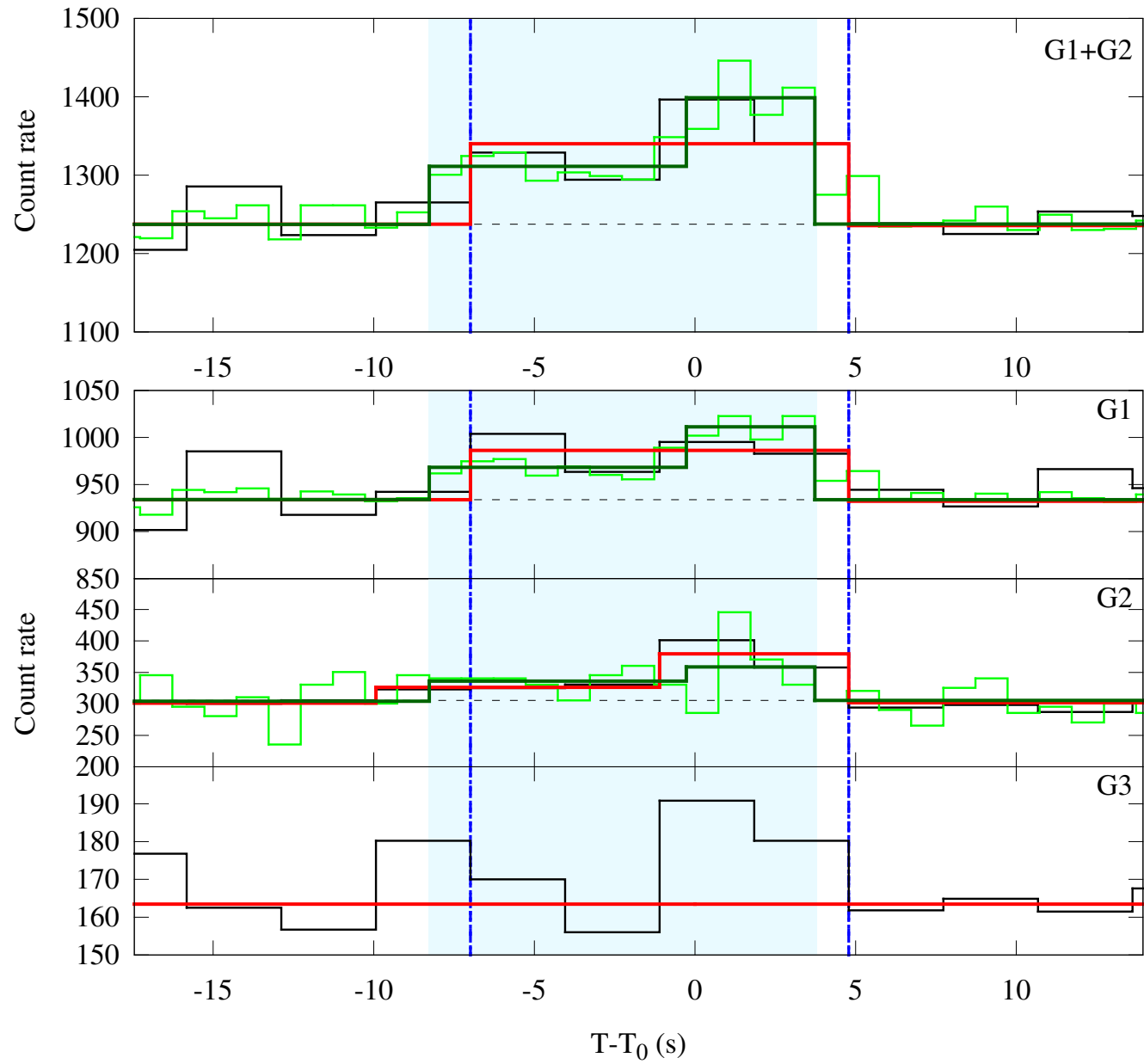
GRB 120922A

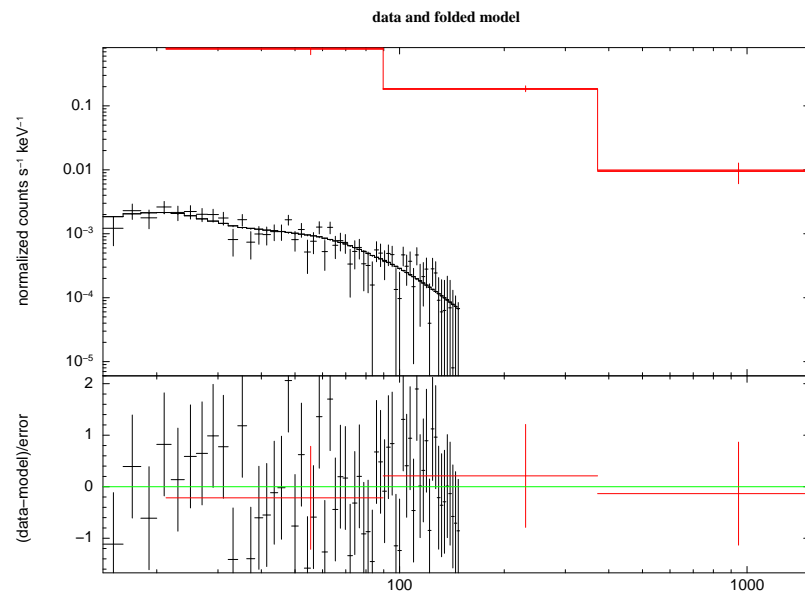Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$-23.754\ldots111.67$	**GRBM**	$\mathbf{-0.65^{+0.54}_{-0.49}}$	$\mathbf{-2.32^{+0.11}_{-0.19}}$	$\mathbf{41^{+6}_{-4}}$	$\mathbf{0.67^{+0.07}_{-0.07}}$	$\mathbf{54.8/58(0.59)}$
		CPL	$-1.42^{+0.21}_{-0.19}$	$\ldots$	51^{+6}_{-5}	$0.53^{+0.05}_{-0.04}$	$59.2/59(0.47)$
Peak	$96.95\ldots108.726$	**GRBM**	$\mathbf{-1.05^{+0.60}_{-0.52}}$	$\mathbf{-2.13^{+0.11}_{-0.45}}$	$\mathbf{42^{+16}_{-7}}$	$\mathbf{1.47^{+0.18}_{-0.30}}$	$\mathbf{69.4/58(0.15)}$
		CPL	$-1.51^{+0.20}_{-0.19}$	$\ldots$	56^{+11}_{-6}	$1.08^{+0.15}_{-0.09}$	$70.4/59(0.15)$

GRB 121024A T_0 = 10572.47846 s S1 (z=2.298)

GRB 121024A

Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_p (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$-6.99\ldots4.786$	**CPL**	$\mathbf{-1.11^{+0.11}_{-0.10}}$	$\ldots$	$\mathbf{578^{+390}_{-193}}$	$\mathbf{2.83^{+0.53}_{-0.51}}$	$\mathbf{48.3/59(0.84)}$

GRB 121201A $T_0 = 44742.06474$ s S1 (z=3.385)
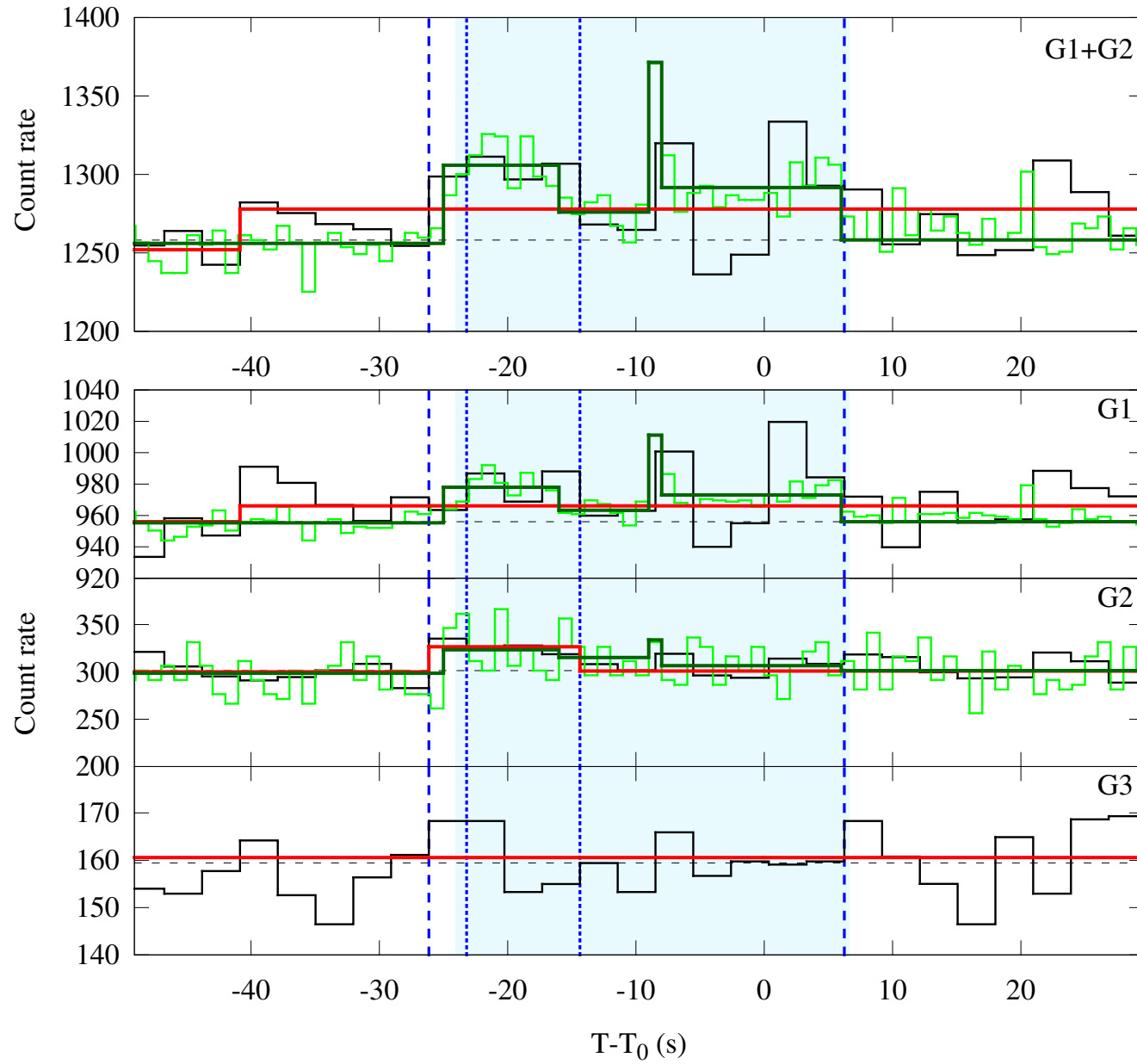
GRB 121201A
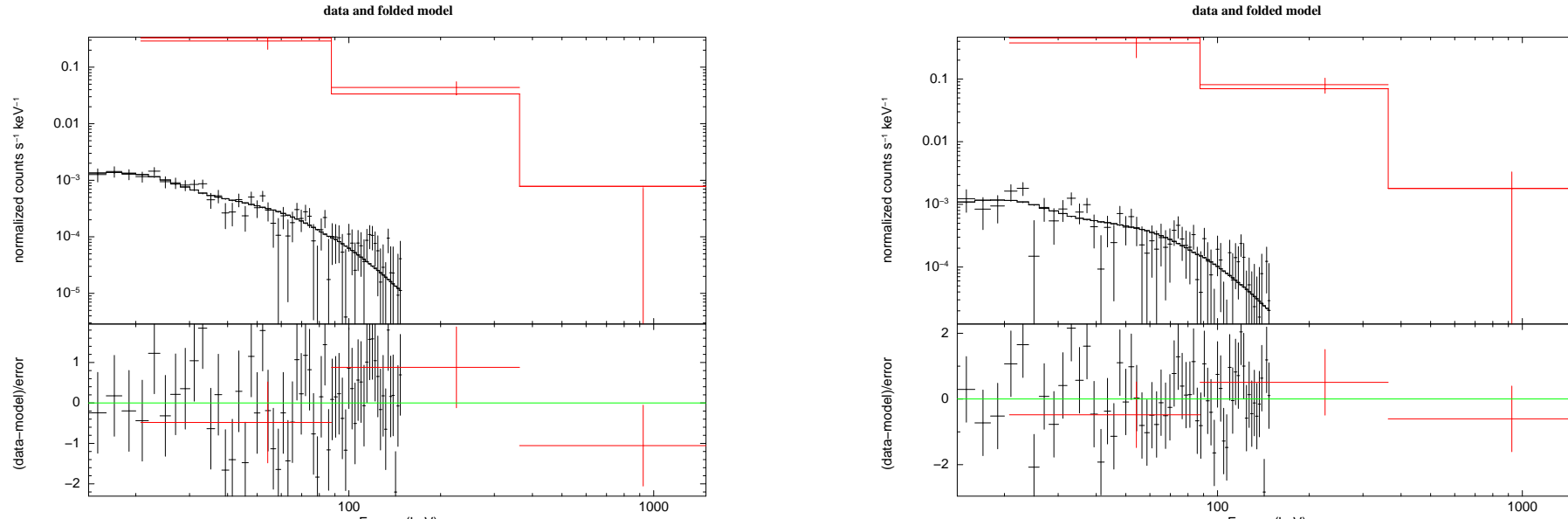
Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.
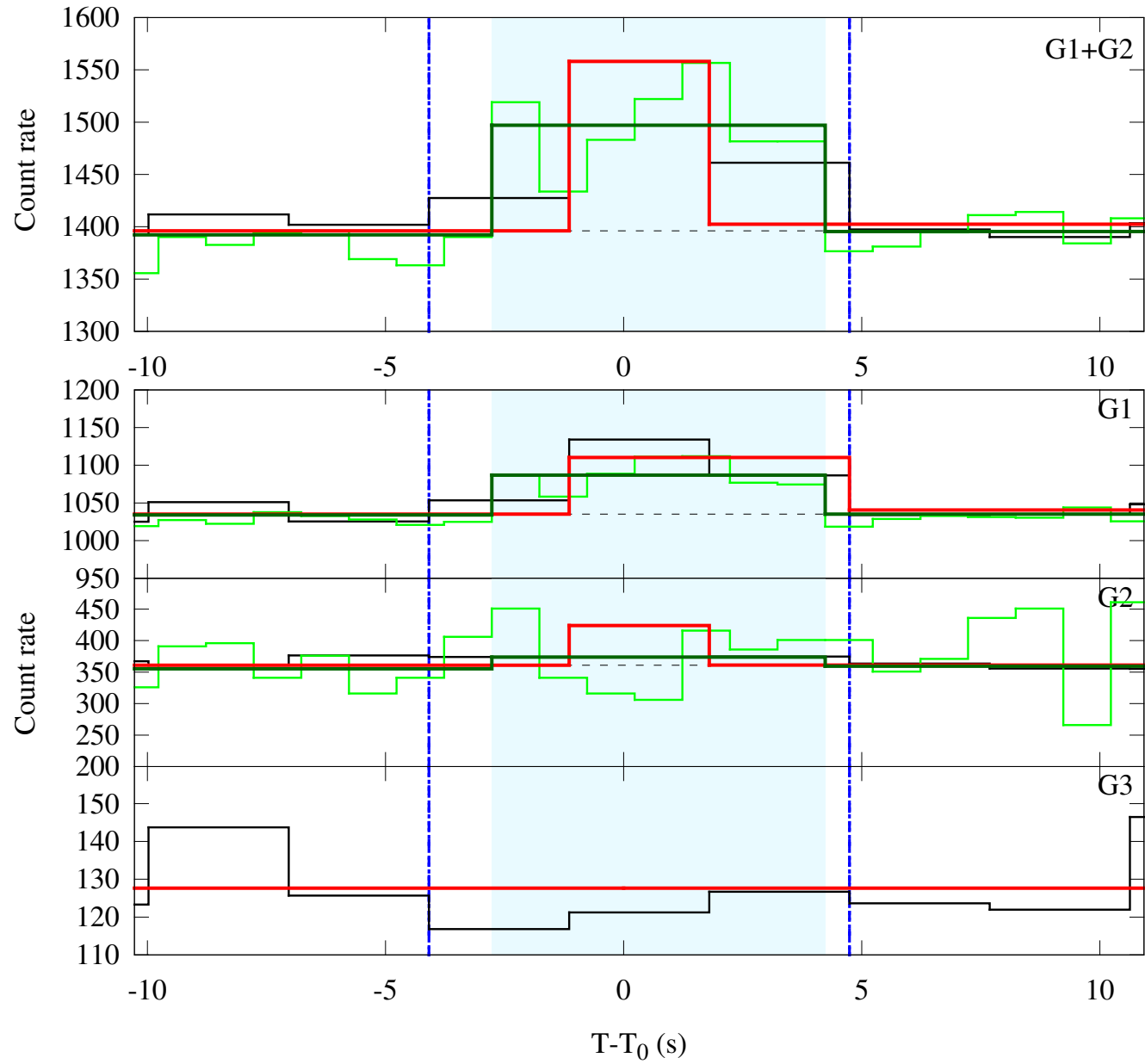
Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$-26.146\ldots6.238$	**CPL**	$\mathbf{-1.67^{+0.16}_{-0.14}}$	...	$\mathbf{176^{+491}_{-80}}$	$\mathbf{0.40^{+0.12}_{-0.09}}$	$\mathbf{57.7/59(0.52)}$
Peak	$-23.202\ldots-14.37$	**CPL**	$\mathbf{-1.25^{+0.30}_{-0.22}}$	...	$\mathbf{254^{+643}_{-122}}$	$\mathbf{0.75^{+0.43}_{-0.25}}$	$\mathbf{60.0/59(0.44)}$

GRB 121211A T_0 = 49622.79526 s S2 (z=1.023)

GRB 121211A
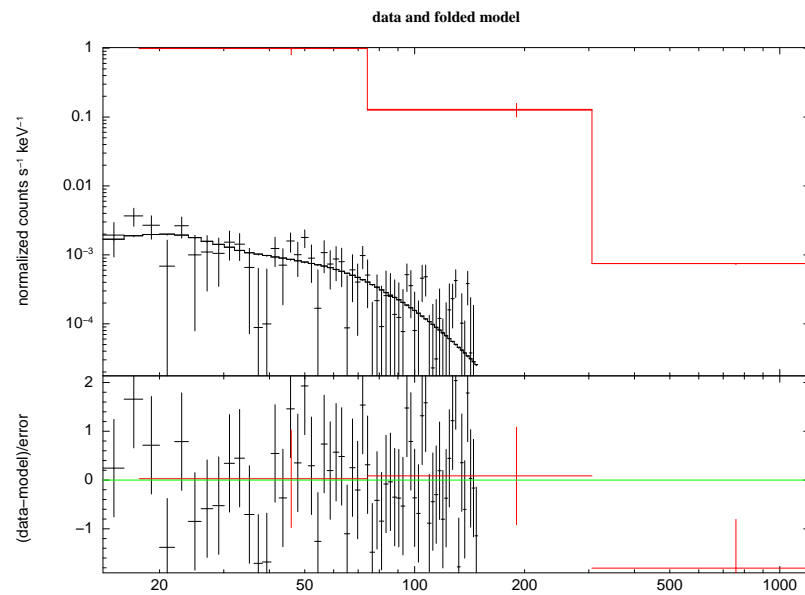
Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-4.089\ldots4.743$	**CPL**	$\mathbf{-1.04^{+0.55}_{-0.37}}$	$\ldots$	$\mathbf{94^{+32}_{-20}}$	$\mathbf{0.84^{+0.16}_{-0.13}}$	$\mathbf{57.2/59(0.54)}$

GRB 130131B T_0 = 69008.90736 s S2 (z=2.539)
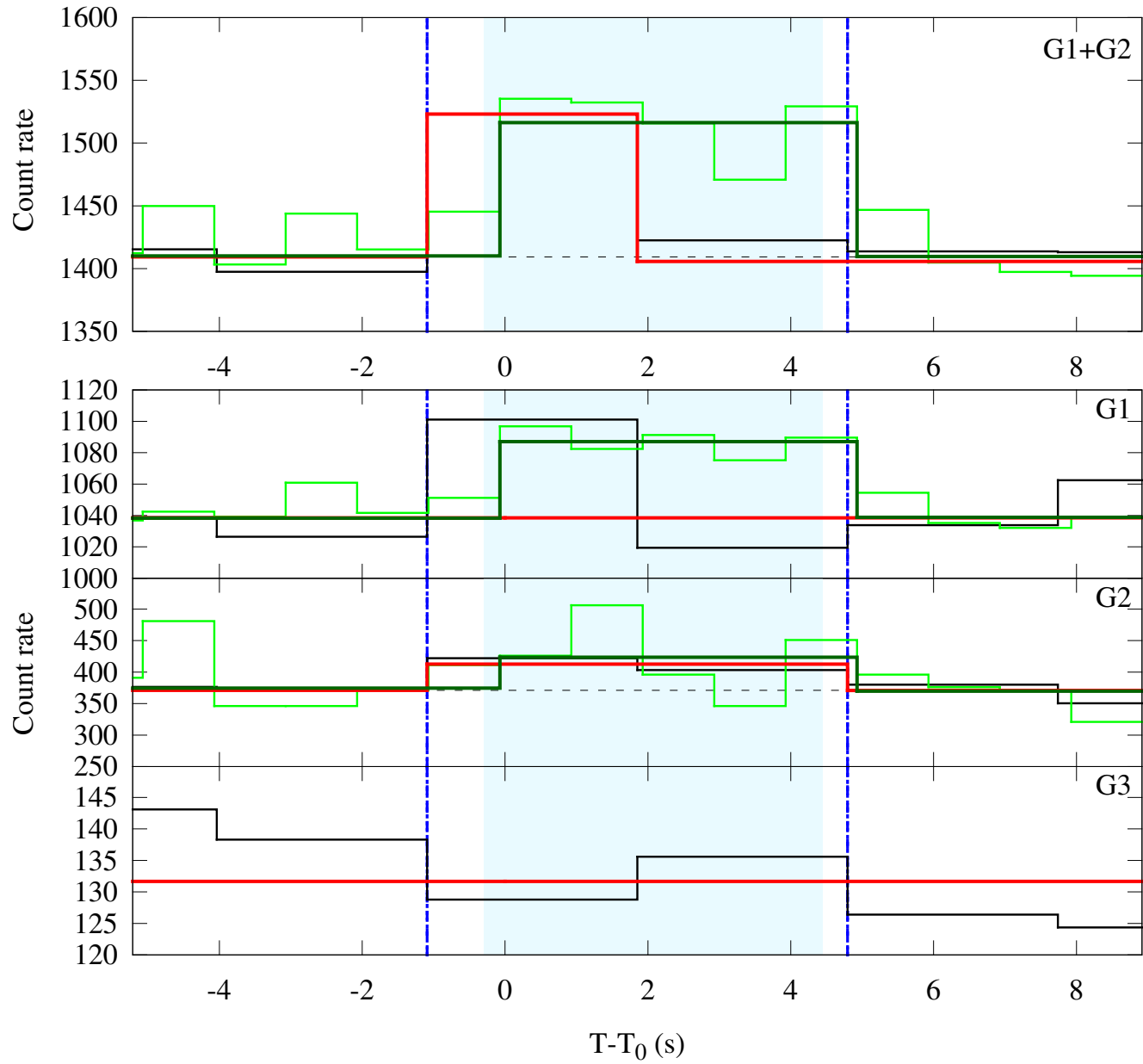
GRB 130131B
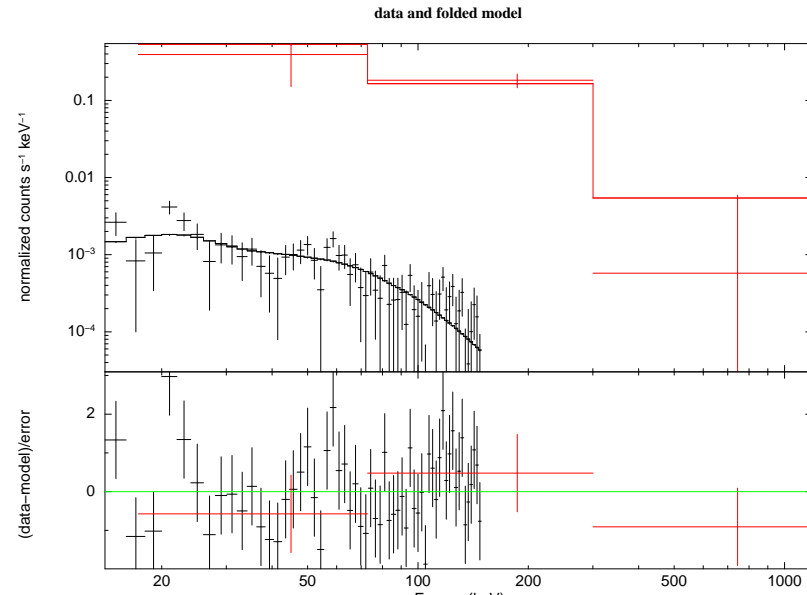
data and folded model

Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-1.092\ldots4.796$	**CPL**	$-0.94^{+0.25}_{-0.21}$	$\ldots$	225^{+122}_{-67}	$1.52^{+0.47}_{-0.35}$	$59.4/59(0.46)$

GRB 130420A T_0 = 26909.53842 s S2 (z=1.297)
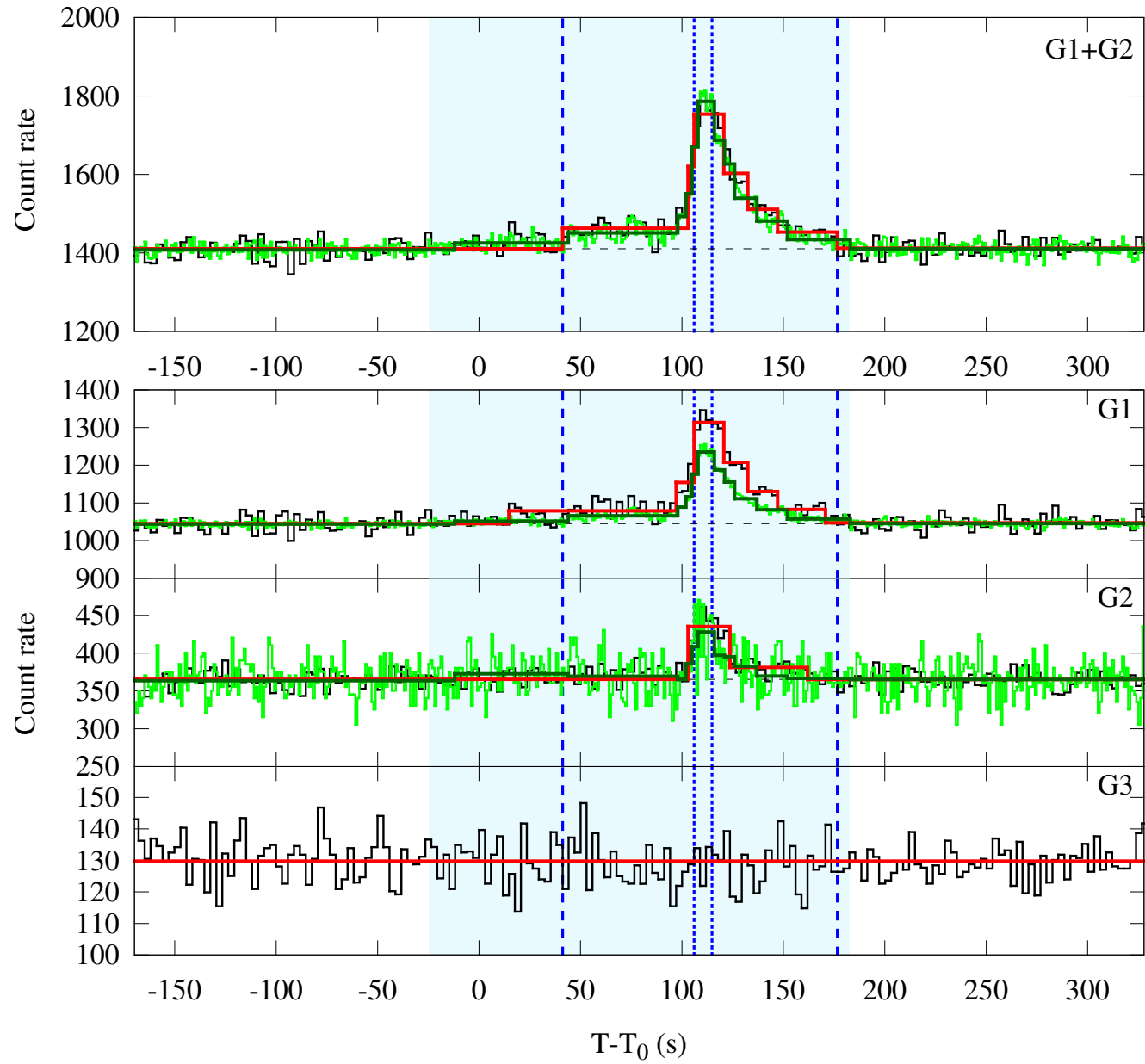
GRB 130420A
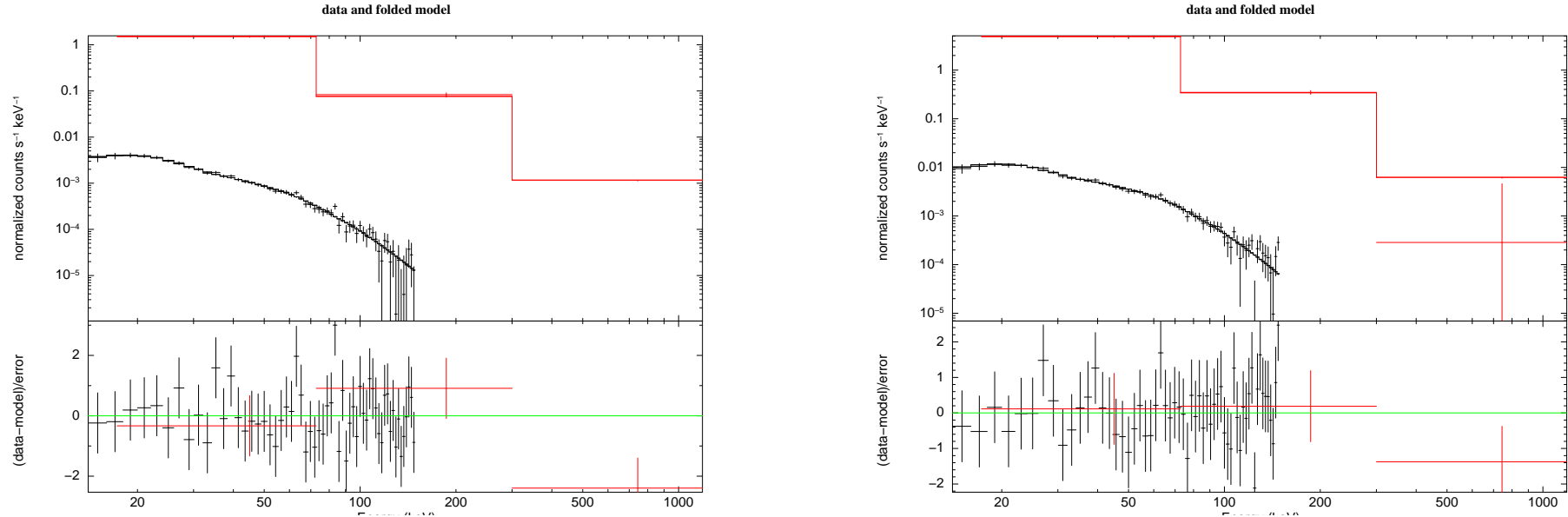
Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

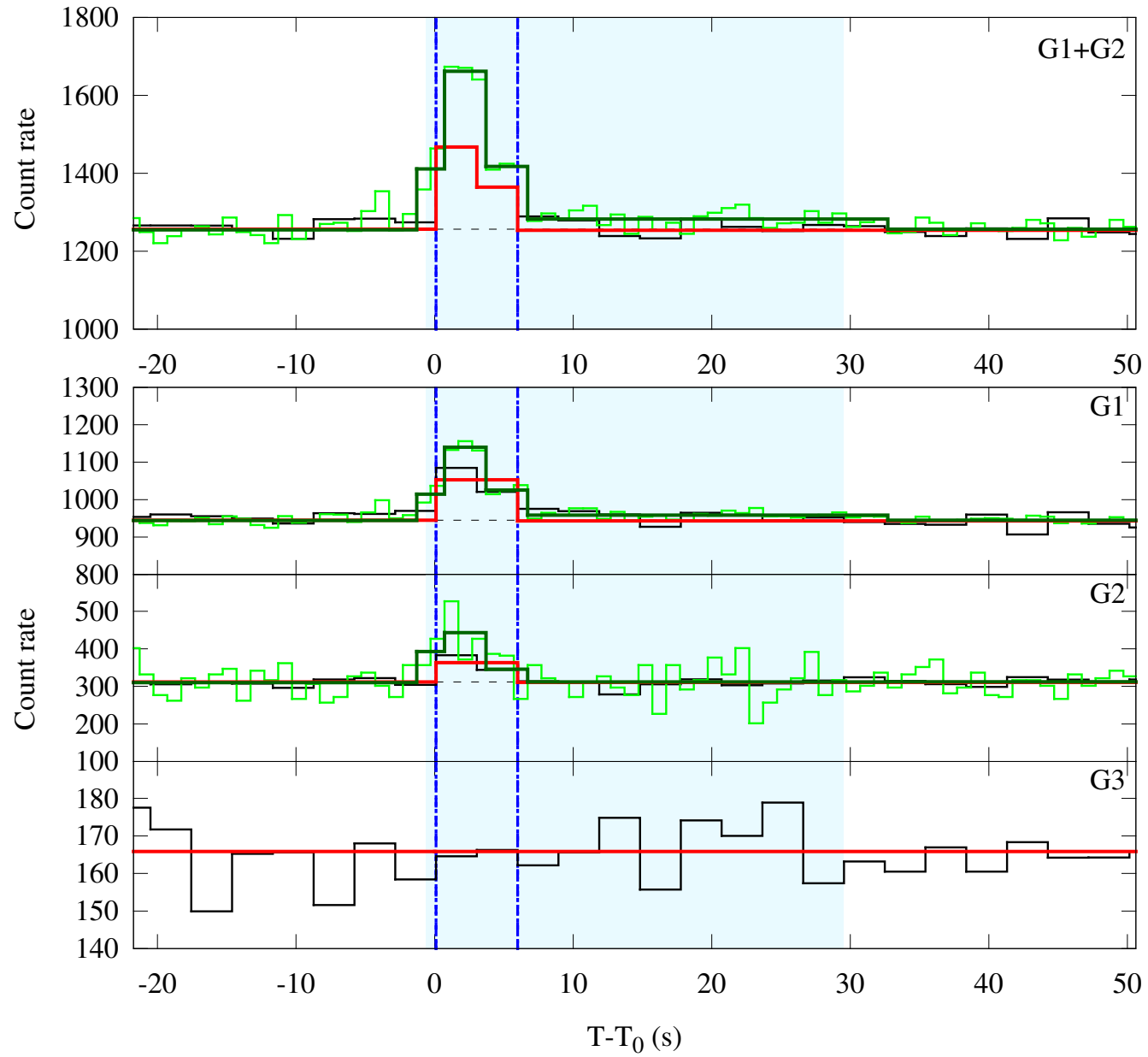| Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	41.216…176.64	**GRBM**	$\mathbf{-1.26^{+0.38}_{-0.26}}$	$\mathbf{-2.69^{+0.15}_{-0.38}}$	$\mathbf{34^{+2}_{-2}}$	$\mathbf{0.72^{+0.04}_{-0.06}}$	$\mathbf{48.9/58(0.8)}$
		CPL	$-1.57^{+0.13}_{-0.12}$	…	32^{+3}_{-4}	$0.61^{+0.02}_{-0.02}$	$49.7/59(0.8)$
Peak	105.984…114.816	**GRBM**	$\mathbf{-0.83^{+0.30}_{-0.24}}$	$\mathbf{-2.57^{+0.16}_{-0.31}}$	$\mathbf{50^{+4}_{-4}}$	$\mathbf{2.84^{+0.23}_{-0.26}}$	$\mathbf{40.3/58(0.96)}$
		CPL	$-1.12^{+0.14}_{-0.13}$	…	55^{+2}_{-2}	$2.30^{+0.09}_{-0.08}$	$42.9/59(0.94)$

GRB 130427B T_0 = 48041.79874 s S1 (z=2.78)

GRB 130427B
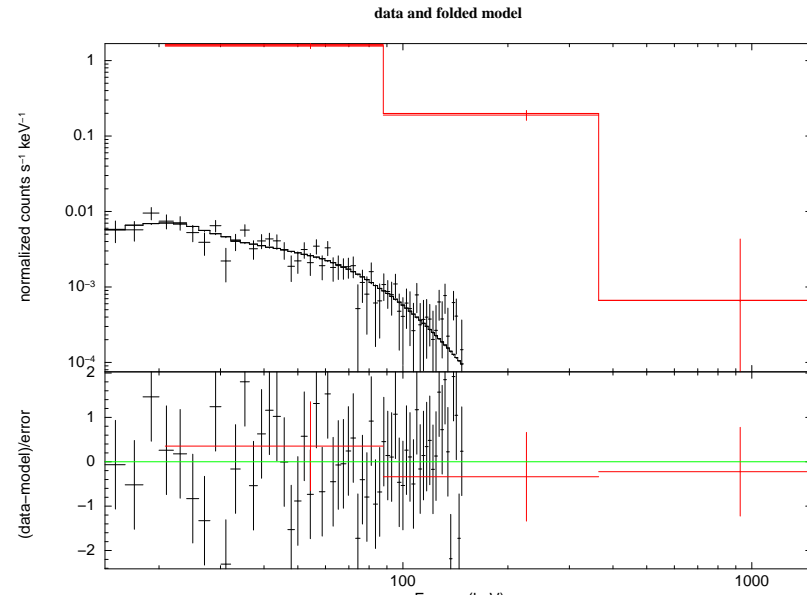
Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$0.103\ldots5.991$	**CPL**	$-1.01^{+0.24}_{-0.22}$	$\ldots$	94^{+17}_{-12}	$2.83^{+0.31}_{-0.25}$	$56.6/59(0.56)$

GRB 130511A T_0 = 41447.44154 s S2 (z=1.3033)
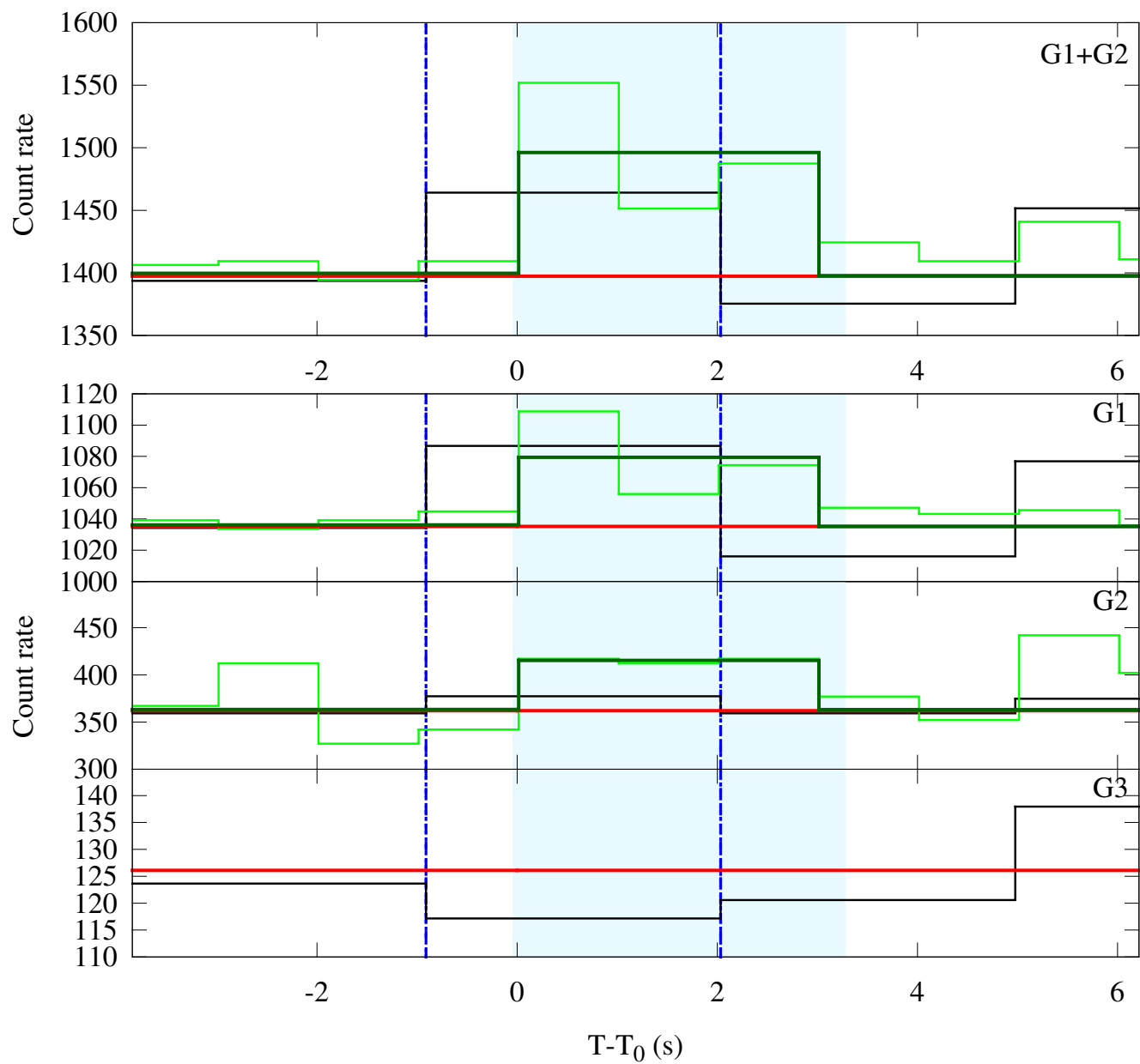
GRB 130511A
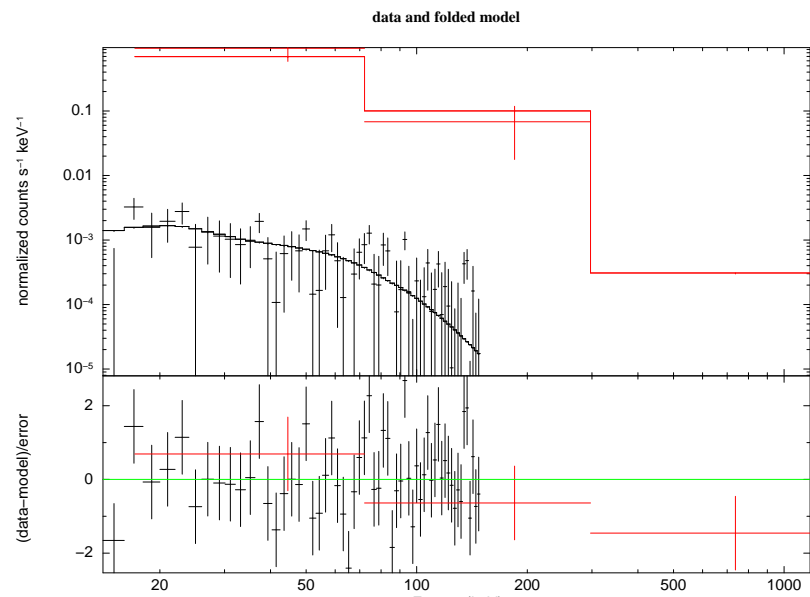
Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-0.911\ldots2.033$	**CPL**	$\mathbf{-0.73^{+0.71}_{-0.56}}$	...	$\mathbf{85^{+50}_{-21}}$	$\mathbf{0.66^{+0.23}_{-0.14}}$	$\mathbf{64.7/59(0.29)}$

GRB 130514A T_0 = 26021.06276 s S2 (z=3.6)
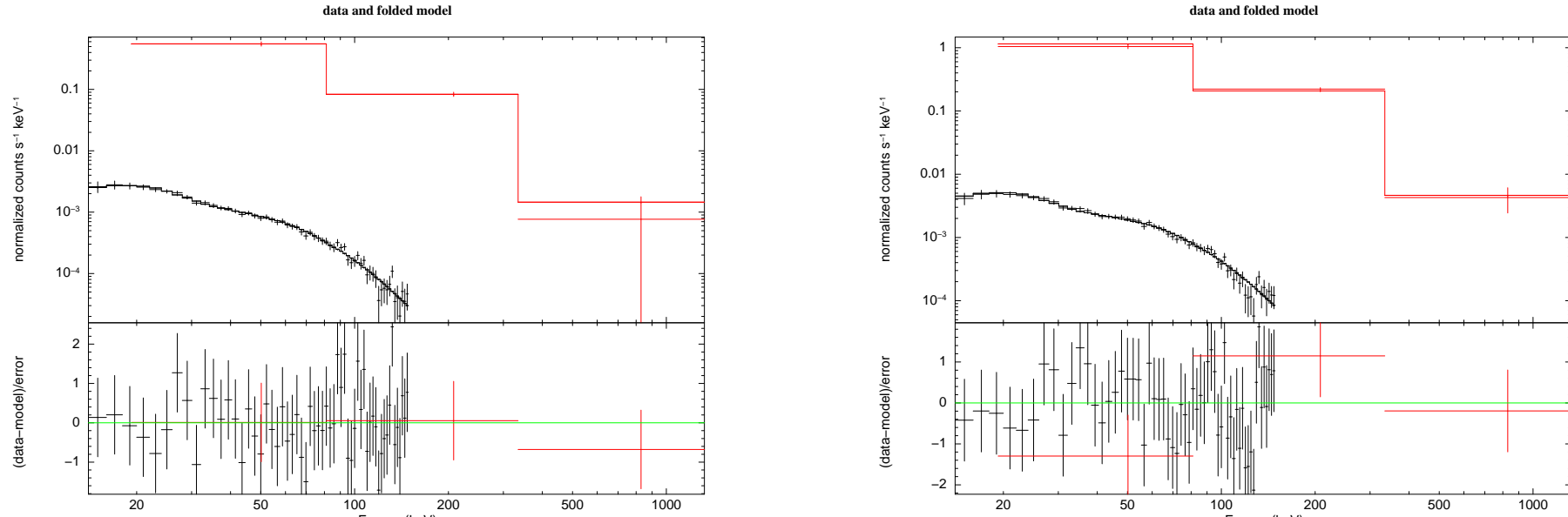
238

GRB 130514A

Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$-5.184\ldots153.792$	**CPL**	$\mathbf{-1.48^{+0.08}_{-0.07}}$	...	$\mathbf{130^{+28}_{-19}}$	$\mathbf{0.96^{+0.09}_{-0.08}}$	$\mathbf{38.1/59(0.98)}$
Peak	$-2.24\ldots44.864$	**CPL**	$\mathbf{-1.34^{+0.07}_{-0.06}}$	...	$\mathbf{175^{+34}_{-25}}$	$\mathbf{2.37^{+0.21}_{-0.19}}$	$\mathbf{45.6/59(0.9)}$

GRB 130604A T_0 = 24866.99816 s S2 (z=1.06)

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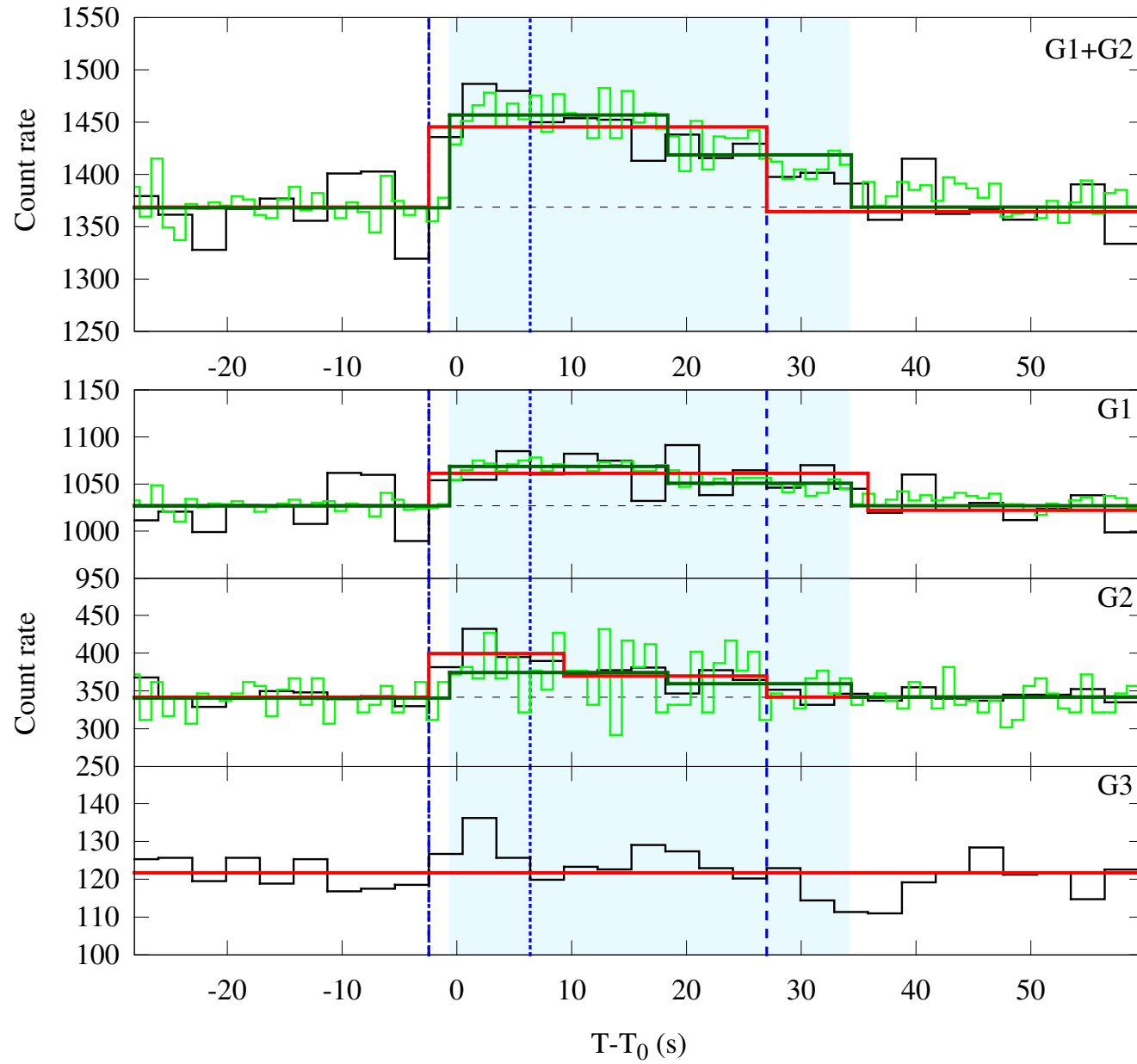# GRB 130604A

Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7} \text{ erg cm}^{-2} \text{ s}^{-1})$	χ^2/dof (Prob.)
Time-integrated	$-2.446\ldots26.994$	**CPL**	$\mathbf{-0.96^{+0.12}_{-0.11}}$	...	$\mathbf{276^{+74}_{-53}}$	$\mathbf{1.26^{+0.20}_{-0.17}}$	$\mathbf{47.4/59(0.86)}$
Peak	$-2.446\ldots6.386$	**CPL**	$\mathbf{-0.45^{+0.24}_{-0.21}}$	...	$\mathbf{276^{+70}_{-53}}$	$\mathbf{1.91^{+0.37}_{-0.33}}$	$\mathbf{57.2/59(0.54)}$

GRB 130606A T_0 = 75879.02018 s S2 (z=5.91)

GRB 130606A

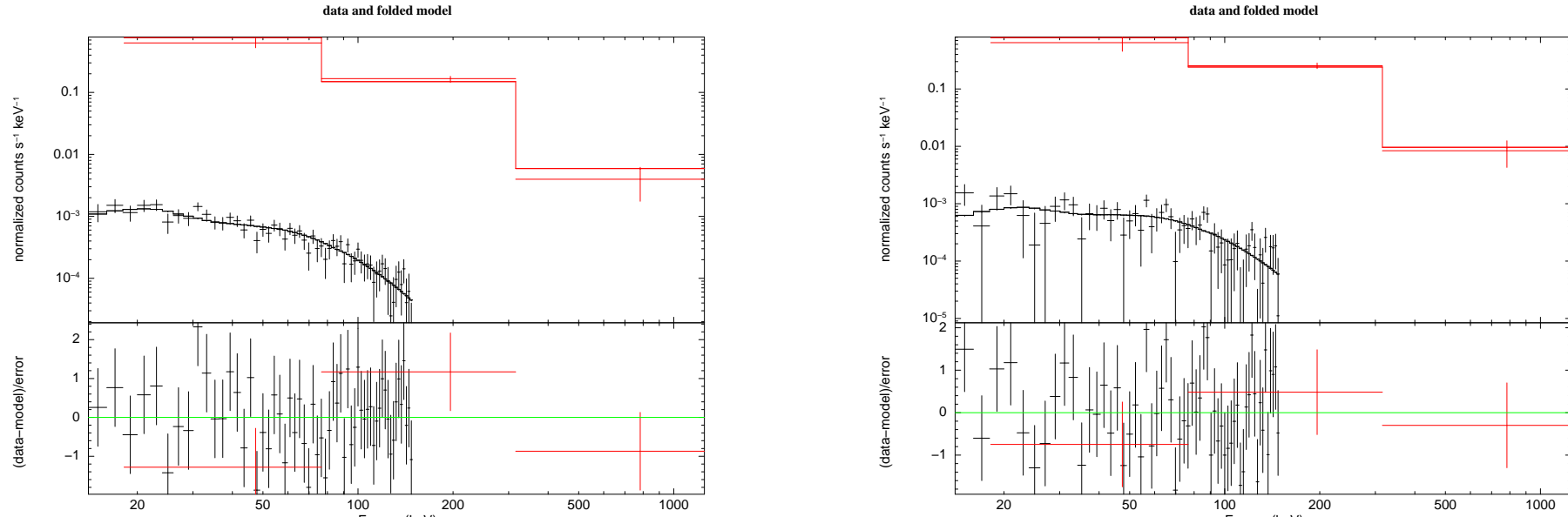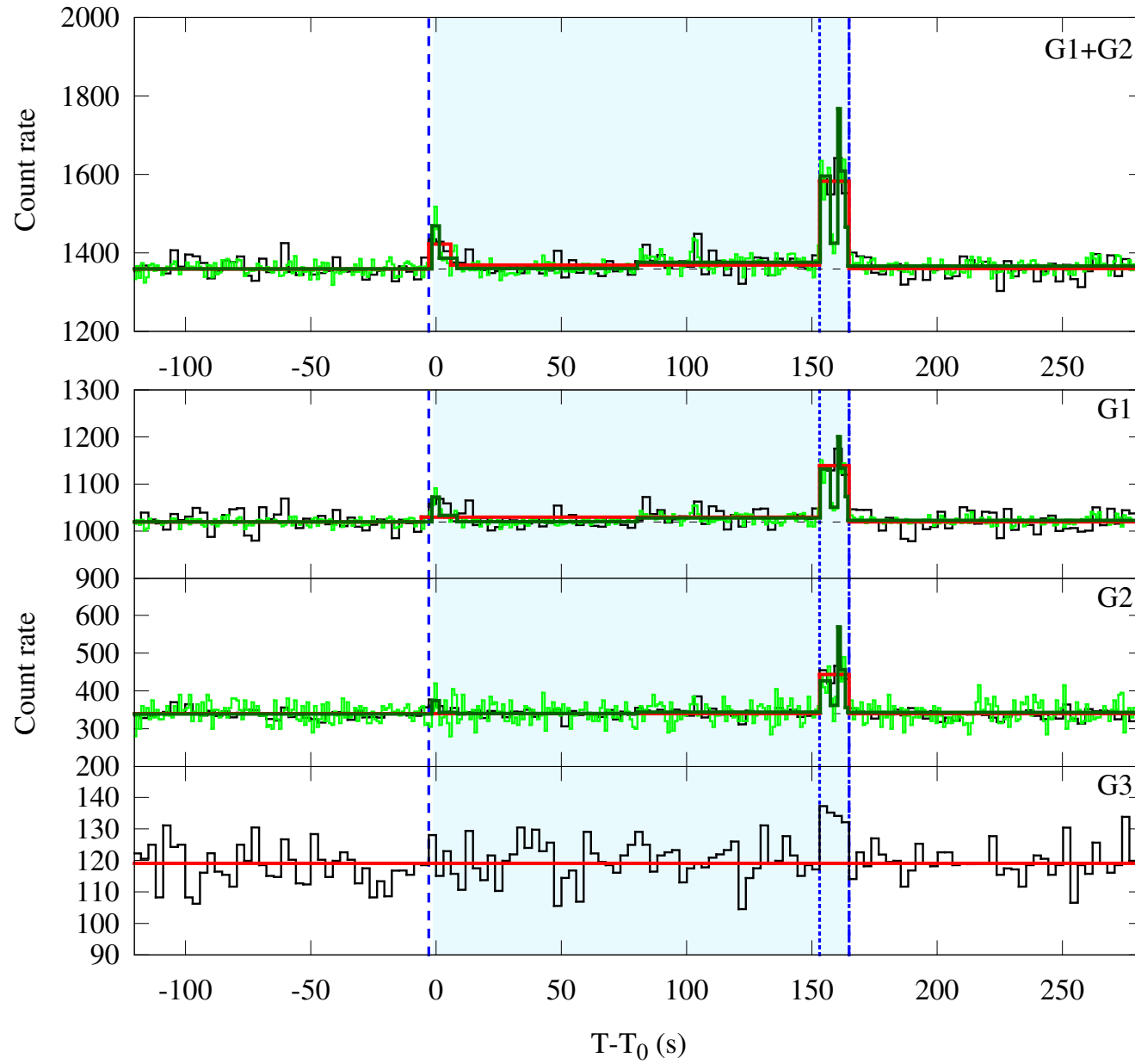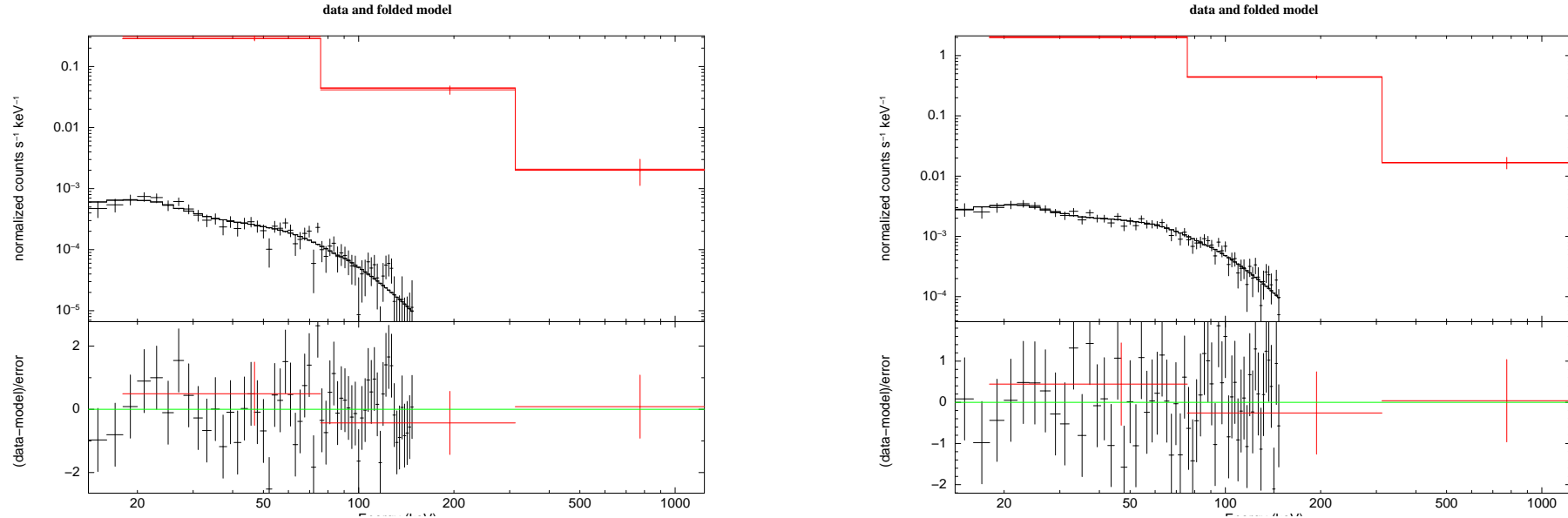Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_p (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-2.942\ldots164.866$	**GRBM**	$\mathbf{-1.31^{+0.21}_{-0.15}}$	$\mathbf{-2.00^{+0.30}_{-8.00}}$	$\mathbf{211^{+173}_{-179}}$	$\mathbf{0.43^{+0.10}_{-0.10}}$	$\mathbf{54.2/58(0.62)}$
		CPL	$-1.38^{+0.13}_{-0.11}$	$\ldots$	312^{+361}_{-128}	$0.40^{+0.11}_{-0.09}$	$54.4/59(0.64)$
Peak	$153.09\ldots164.866$	**GRBM**	$\mathbf{-0.79^{+0.14}_{-0.12}}$	$\mathbf{-2.28^{+0.27}_{-1.00}}$	$\mathbf{199^{+52}_{-36}}$	$\mathbf{3.70^{+0.40}_{-0.40}}$	$\mathbf{46.4/58(0.86)}$
		CPL	$-0.90^{+0.08}_{-0.07}$	$\ldots$	258^{+42}_{-35}	$3.40^{+0.36}_{-0.33}$	$47.2/59(0.87)$

GRB 130610A T_0 = 11533.34362 s S2 (z=2.092)
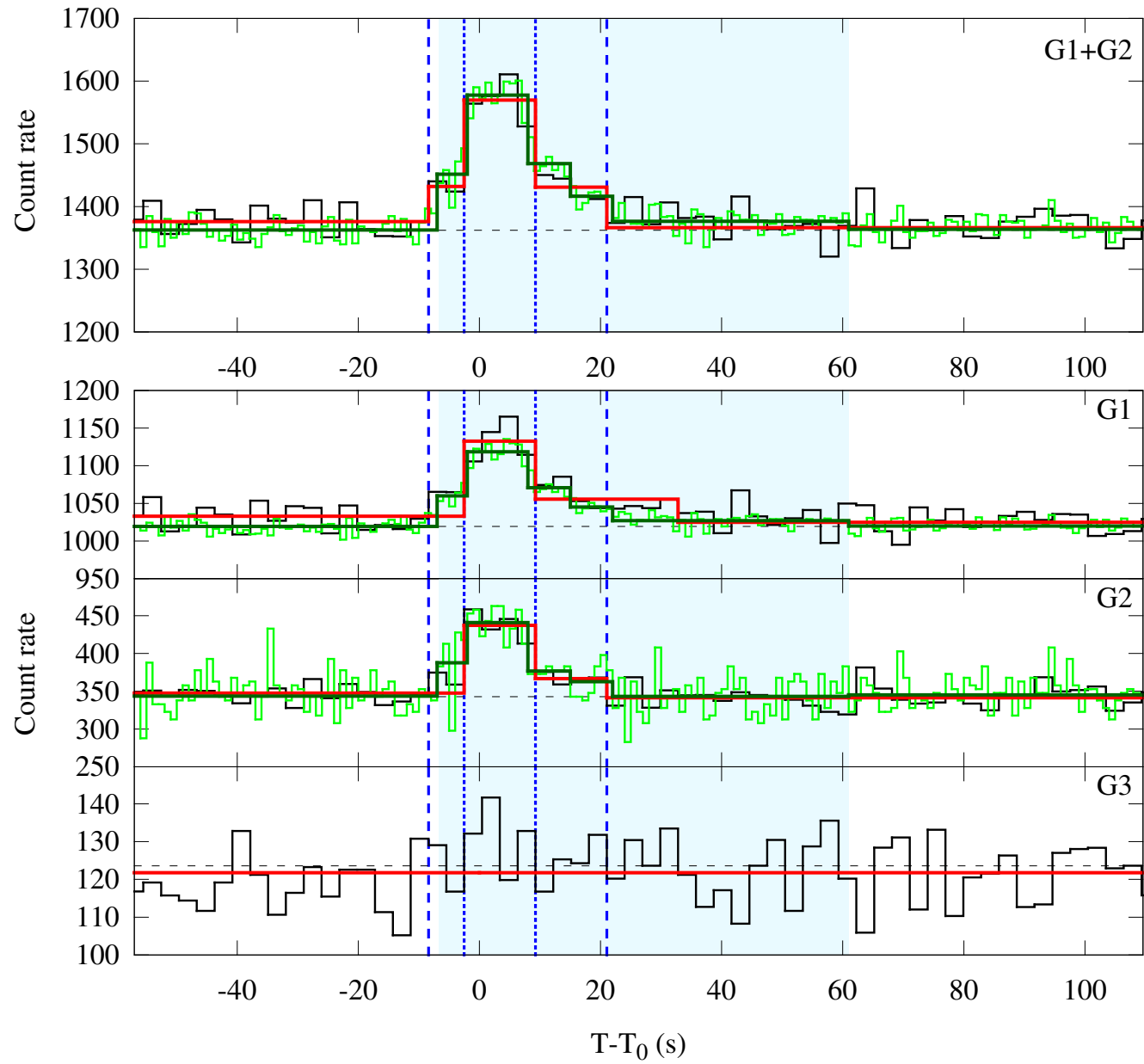
GRB 130610A

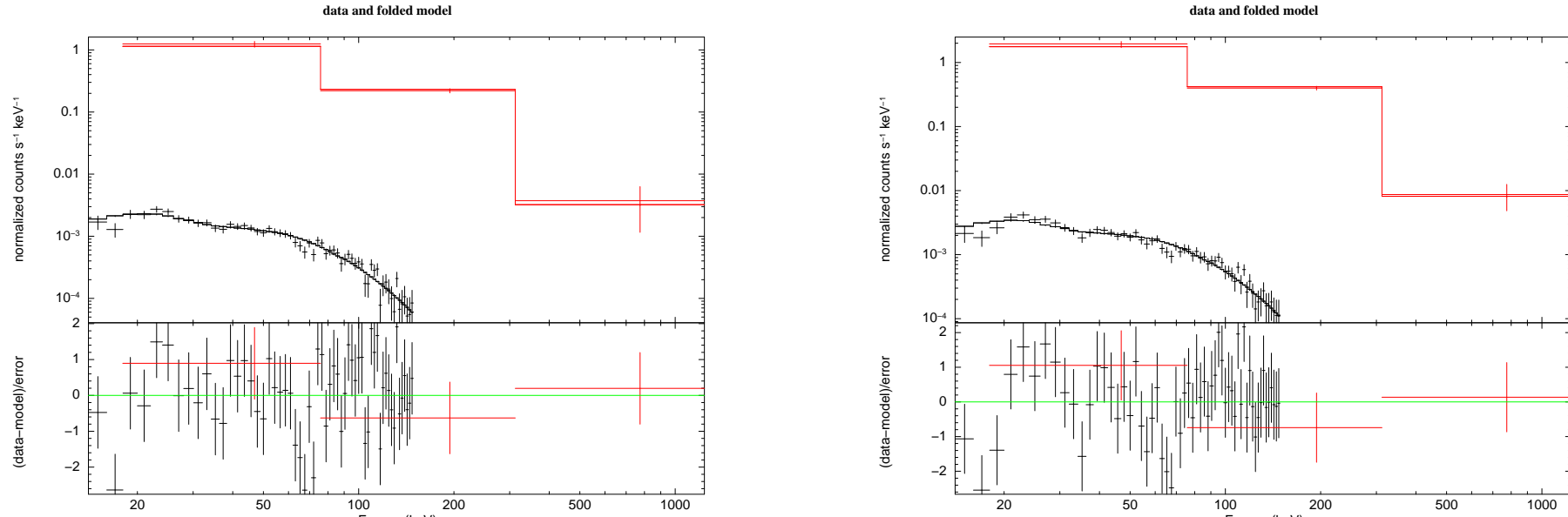Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-8.41\ldots21.03$	**CPL**	$\mathbf{-0.73^{+0.12}_{-0.11}}$	$\ldots$	$\mathbf{158^{+24}_{-19}}$	$\mathbf{1.44^{+0.16}_{-0.13}}$	$\mathbf{65.6/59(0.26)}$
Peak	$-2.522\ldots9.254$	**CPL**	$\mathbf{-0.68^{+0.10}_{-0.09}}$	$\ldots$	$\mathbf{188^{+26}_{-22}}$	$\mathbf{2.71^{+0.28}_{-0.25}}$	$\mathbf{62.9/59(0.34)}$

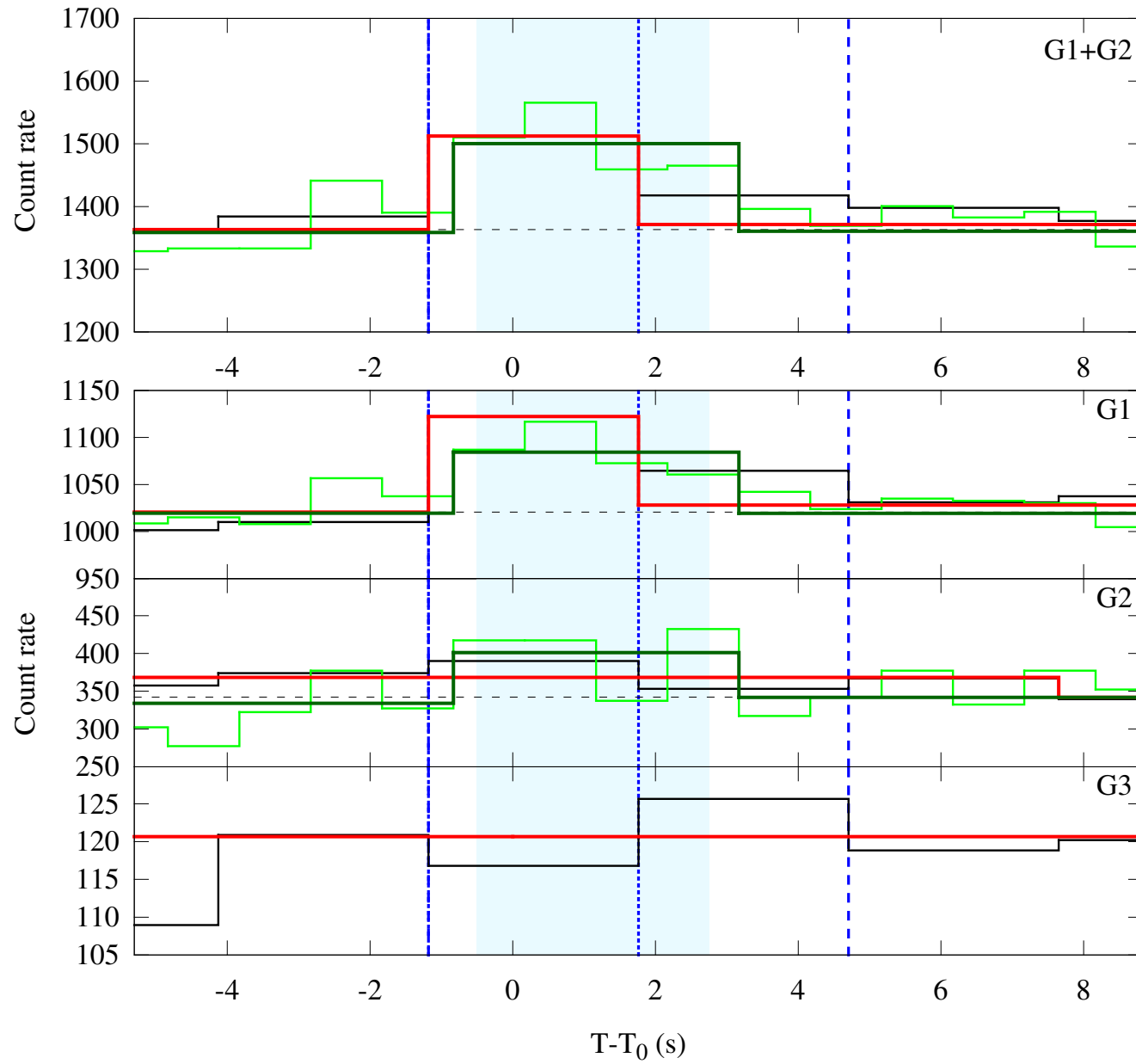GRB 130612A T$_0$ = 12142.16788 s S2 (z=2.006)

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GRB 130612A

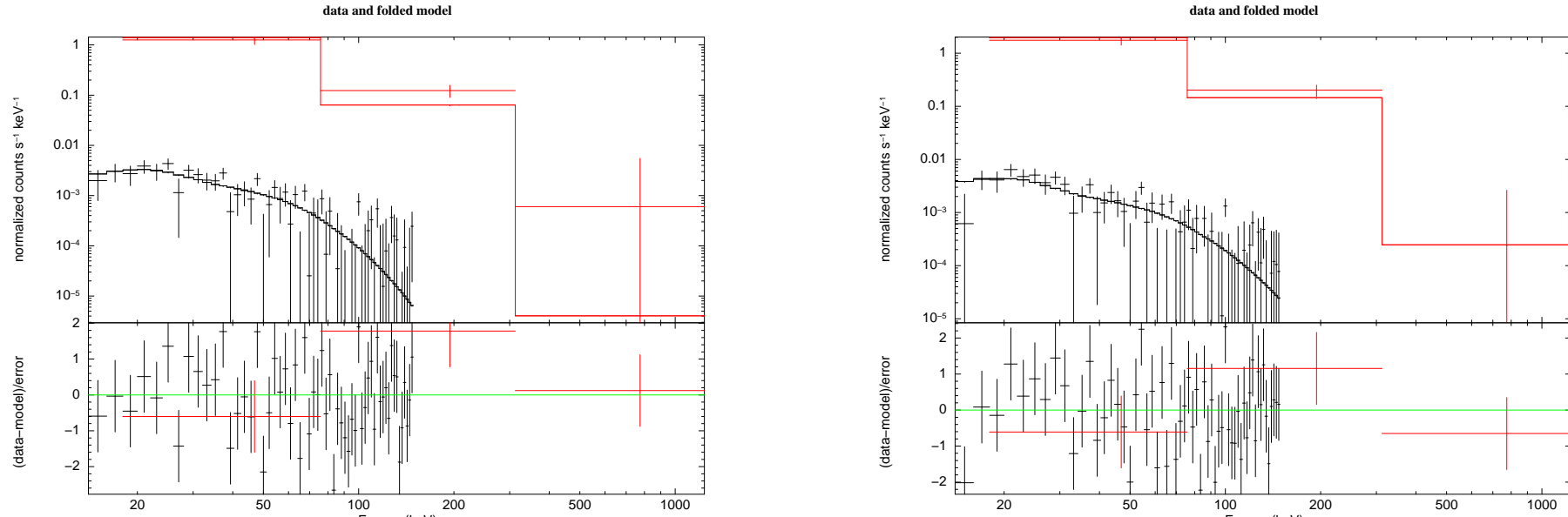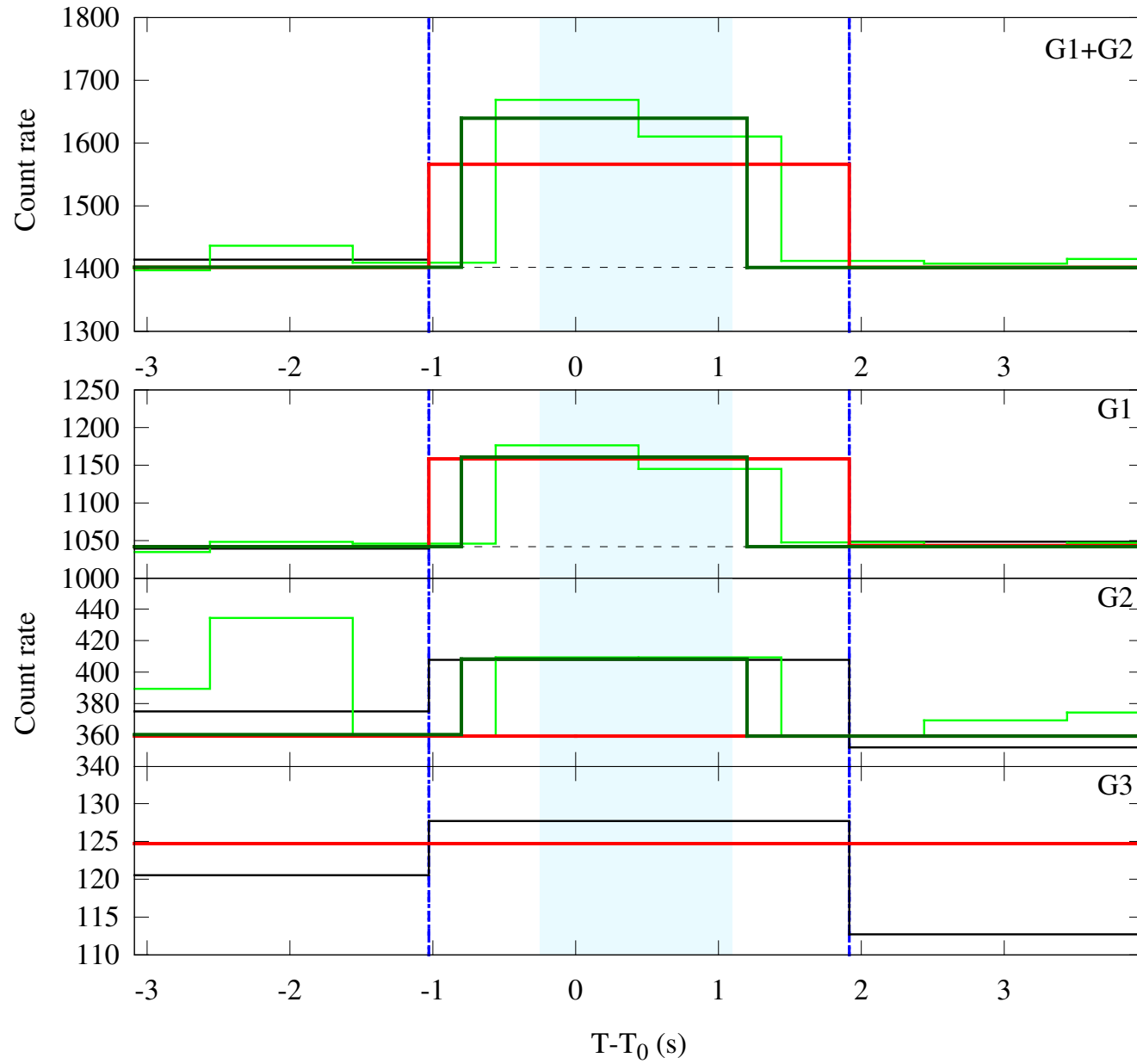Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$-1.182\ldots4.706$	**CPL**	$\mathbf{-0.57^{+0.95}_{-0.78}}$	$\ldots$	$\mathbf{46^{+10}_{-6}}$	$\mathbf{0.68^{+0.13}_{-0.09}}$	$\mathbf{67.7/59(0.21)}$
Peak	$-1.182\ldots1.762$	**CPL**	$\mathbf{-1.17^{+0.71}_{-0.50}}$	$\ldots$	$\mathbf{58^{+27}_{-12}}$	$\mathbf{1.17^{+0.32}_{-0.20}}$	$\mathbf{65.6/59(0.26)}$

GRB 131004A T_0 = 78063.68848 s S2 (z=0.717)

GRB 131004A

Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$-1.028\ldots1.916$	**GRBM**	$\mathbf{-0.79^{+0.64}_{-0.57}}$	$\mathbf{-2.31^{+0.20}_{-7.69}}$	$\mathbf{48^{+17}_{-8}}$	$\mathbf{2.55^{+0.46}_{-0.69}}$	$\mathbf{57.0/58(0.51)}$
		CPL	$-1.25^{+0.32}_{-0.28}$	$\ldots$	61^{+14}_{-8}	$1.93^{+0.29}_{-0.19}$	$58.0/59(0.51)$

GRB 131103A T_0 = 79645.79368 s S1 (z=0.5955)
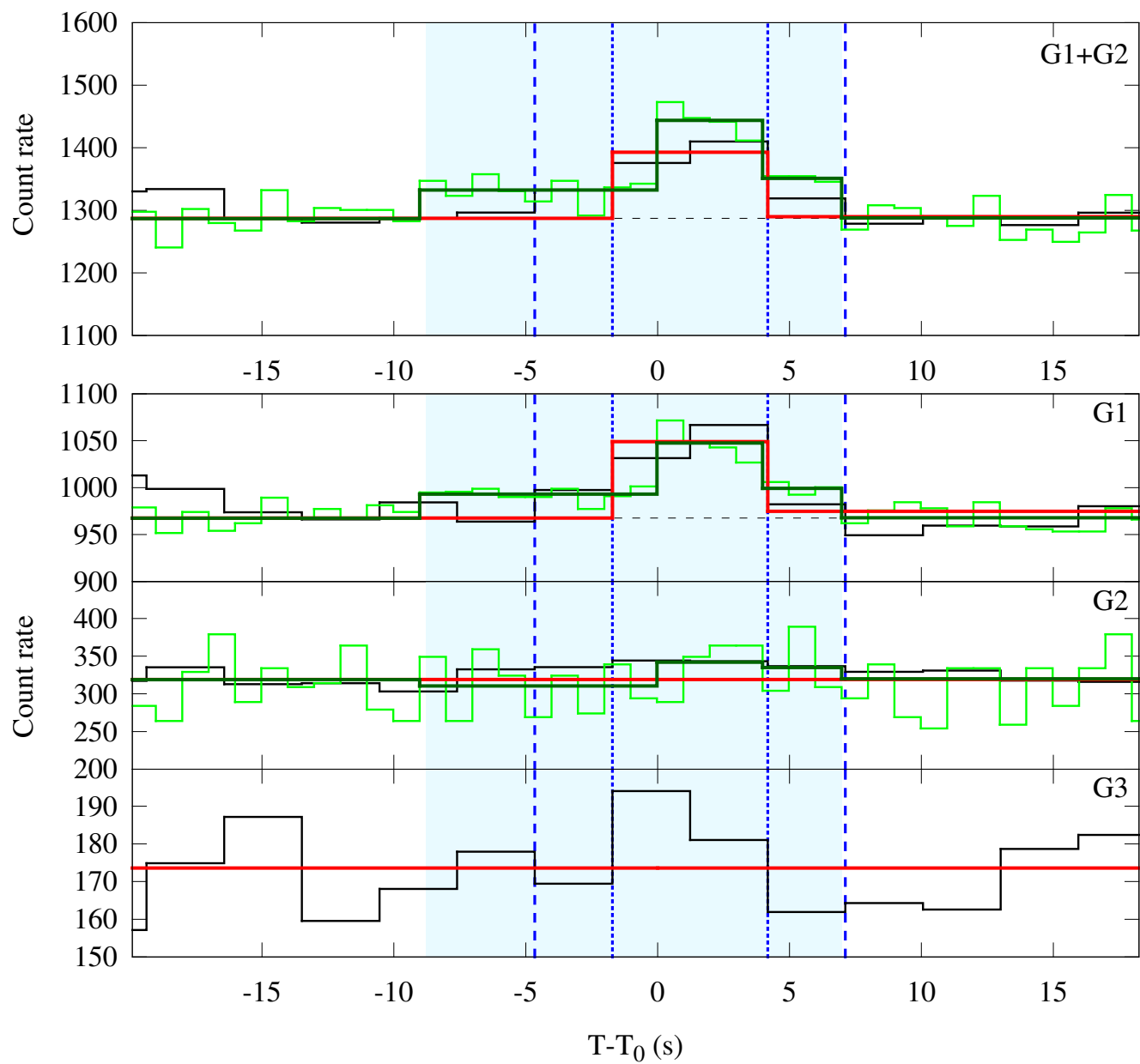
GRB 131103A

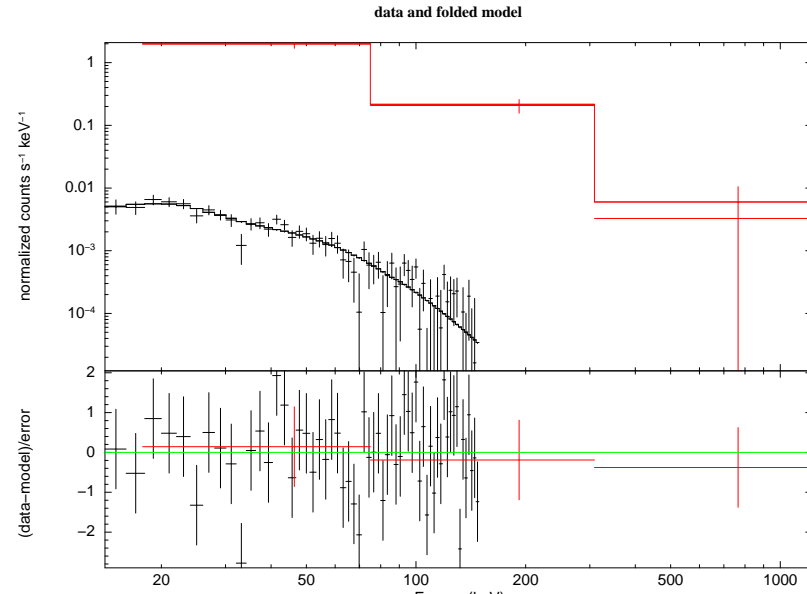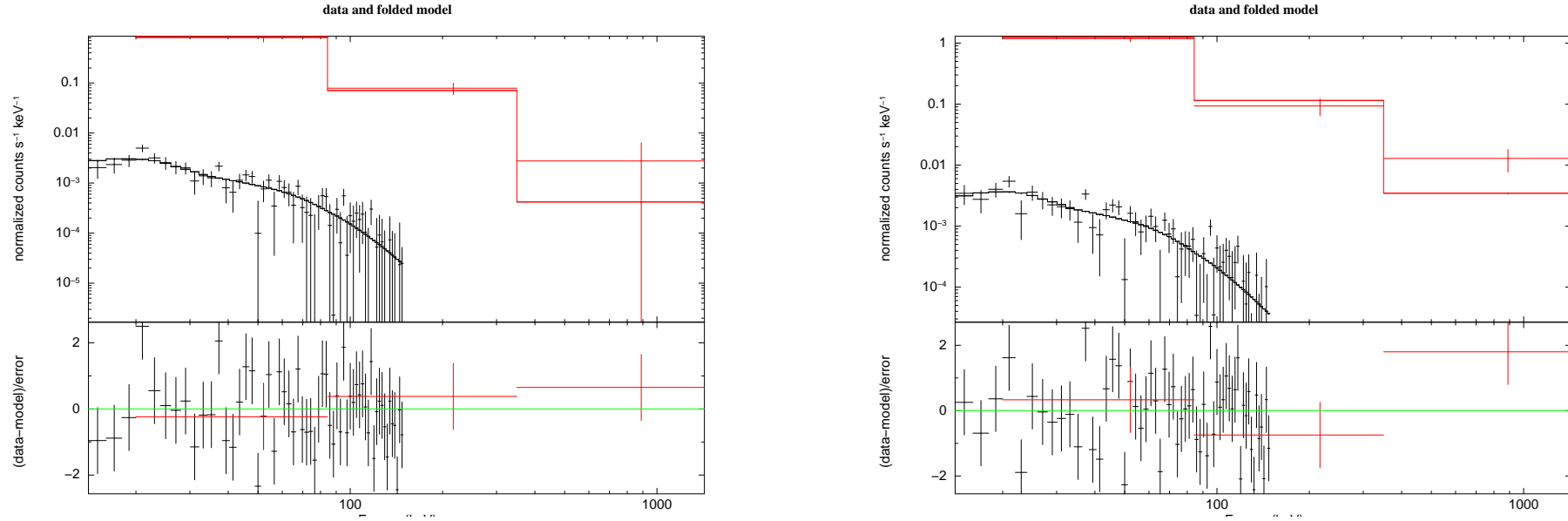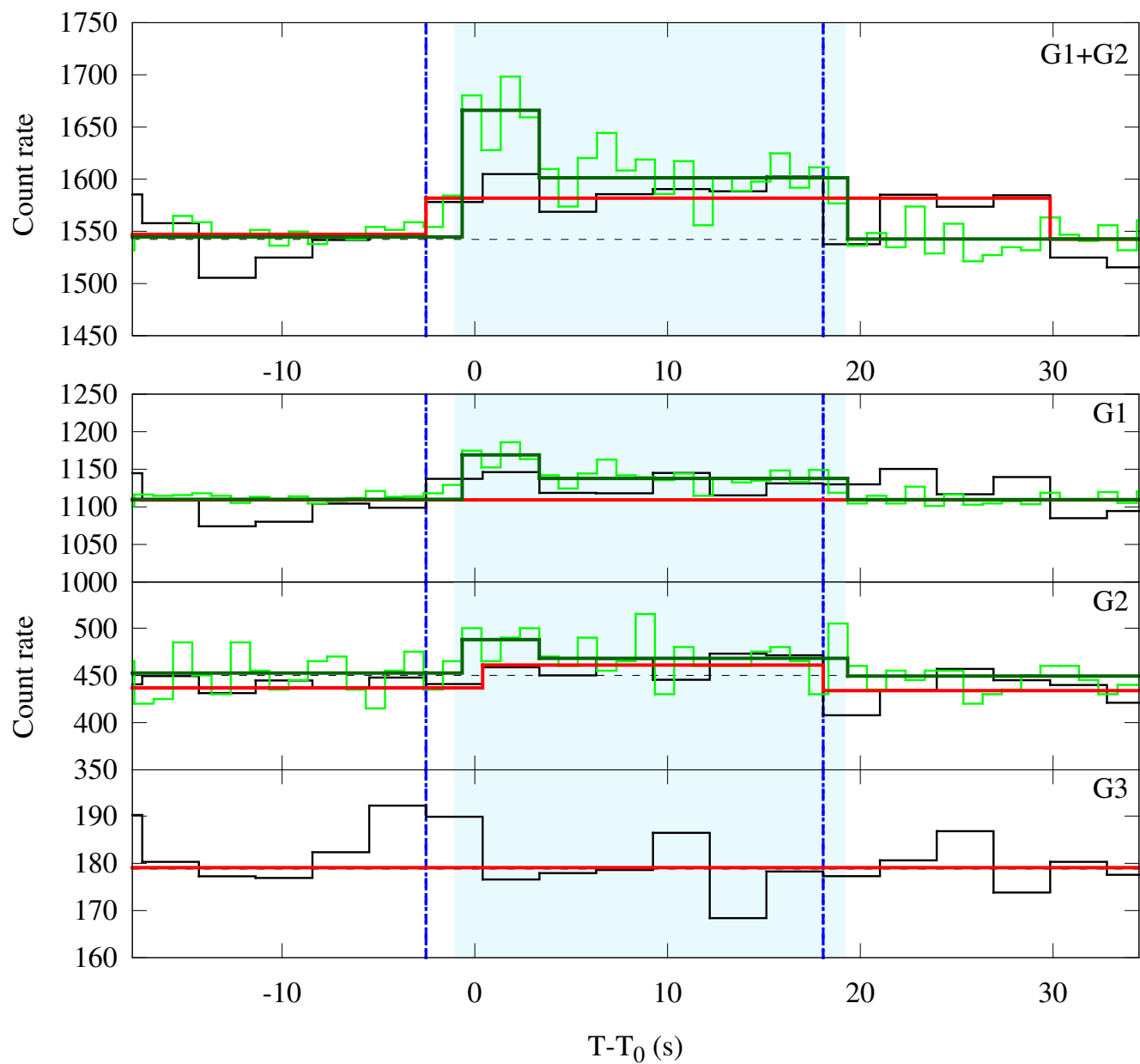Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$-4.658\ldots7.118$	**CPL**	$\mathbf{-1.48^{+0.38}_{-0.33}}$	$\ldots$	$\mathbf{77^{+171}_{-20}}$	$\mathbf{0.72^{+0.39}_{-0.13}}$	$\mathbf{59.6/59(0.45)}$
Peak	$-1.714\ldots4.174$	**GRBM**	$\mathbf{-1.00^{+1.17}_{-0.49}}$	$\mathbf{-2.14^{+0.28}_{-1.01}}$	$\mathbf{63^{+37}_{-25}}$	$\mathbf{1.47^{+0.49}_{-0.48}}$	$\mathbf{78.0/58(0.041)}$
		CPL	$-1.01^{+0.46}_{-0.44}$	$\ldots$	69^{+24}_{-11}	$0.95^{+0.20}_{-0.12}$	$79.5/59(0.039)$

GRB 131227A T_0 = 17091.21214 s S2 (z=5.3)

GRB 131227A

Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-2.534\ldots18.074$	**CPL**	$-1.12^{+0.19}_{-0.15}$	$\ldots$	189^{+107}_{-54}	$1.00^{+0.29}_{-0.20}$	$60.0/59(0.44)$

GRB 140114A T_0 = 43060.48216 s S2 (z=3.0)
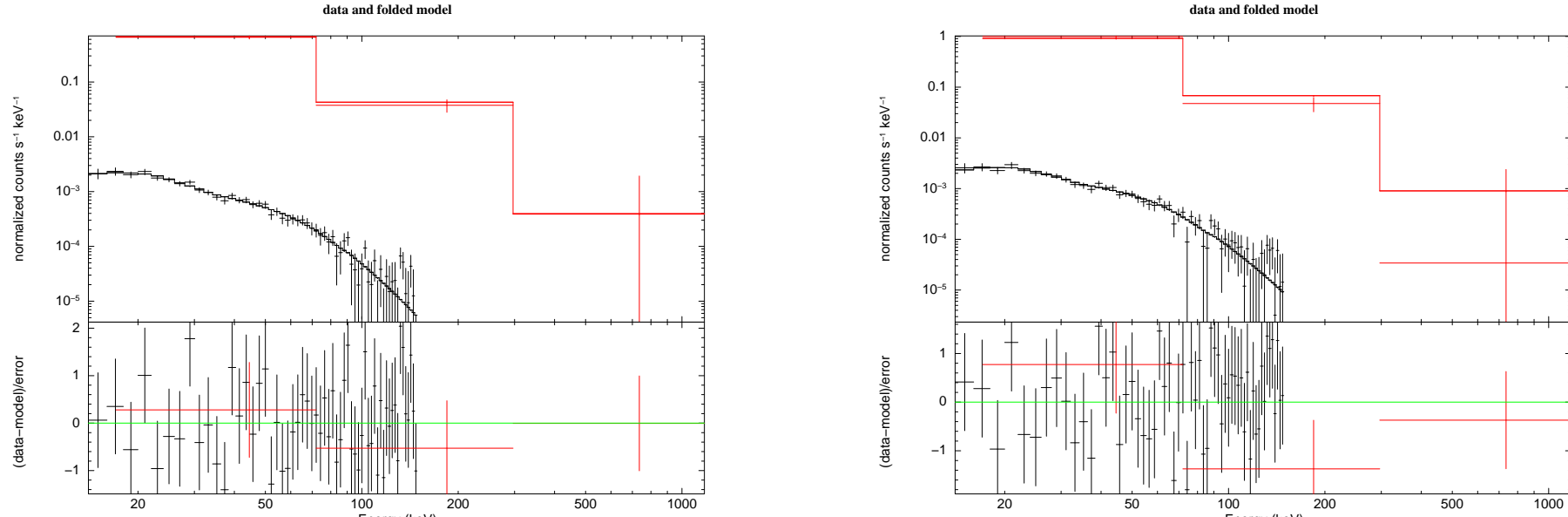
254

GRB 140114A

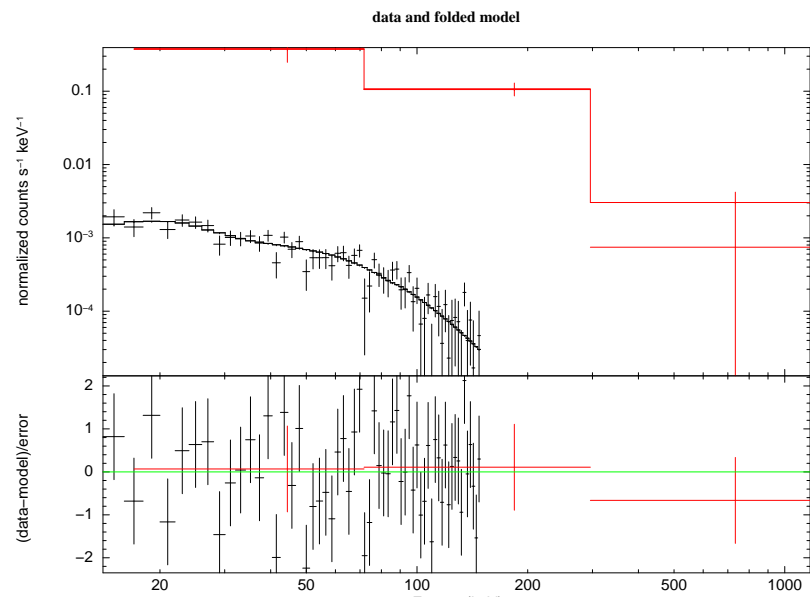Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$78.762\dots164.138$	**GRBM**	$\mathbf{-1.20^{+0.39}_{-0.26}}$	$\mathbf{-3.06^{+0.50}_{-6.94}}$	$\mathbf{39^{+3}_{-3}}$	$\mathbf{0.42^{+0.07}_{-0.05}}$	$\mathbf{41.2/58(0.95)}$
		CPL	$-1.26^{+0.23}_{-0.21}$	$\dots$	40^{+3}_{-3}	$0.38^{+0.02}_{-0.02}$	$41.4/59(0.96)$
Peak	$84.65\dots119.978$	**GRBM**	$\mathbf{-0.70^{+0.45}_{-0.46}}$	$\mathbf{-2.79^{+0.29}_{-7.21}}$	$\mathbf{44^{+6}_{-4}}$	$\mathbf{0.65^{+0.09}_{-0.10}}$	$\mathbf{43.4/58(0.92)}$
		CPL	$-0.94^{+0.25}_{-0.23}$	$\dots$	47^{+3}_{-3}	$0.55^{+0.03}_{-0.03}$	$43.5/59(0.94)$

GRB 140304A T_0 = 48151.09838 s S2 (z=5.283)
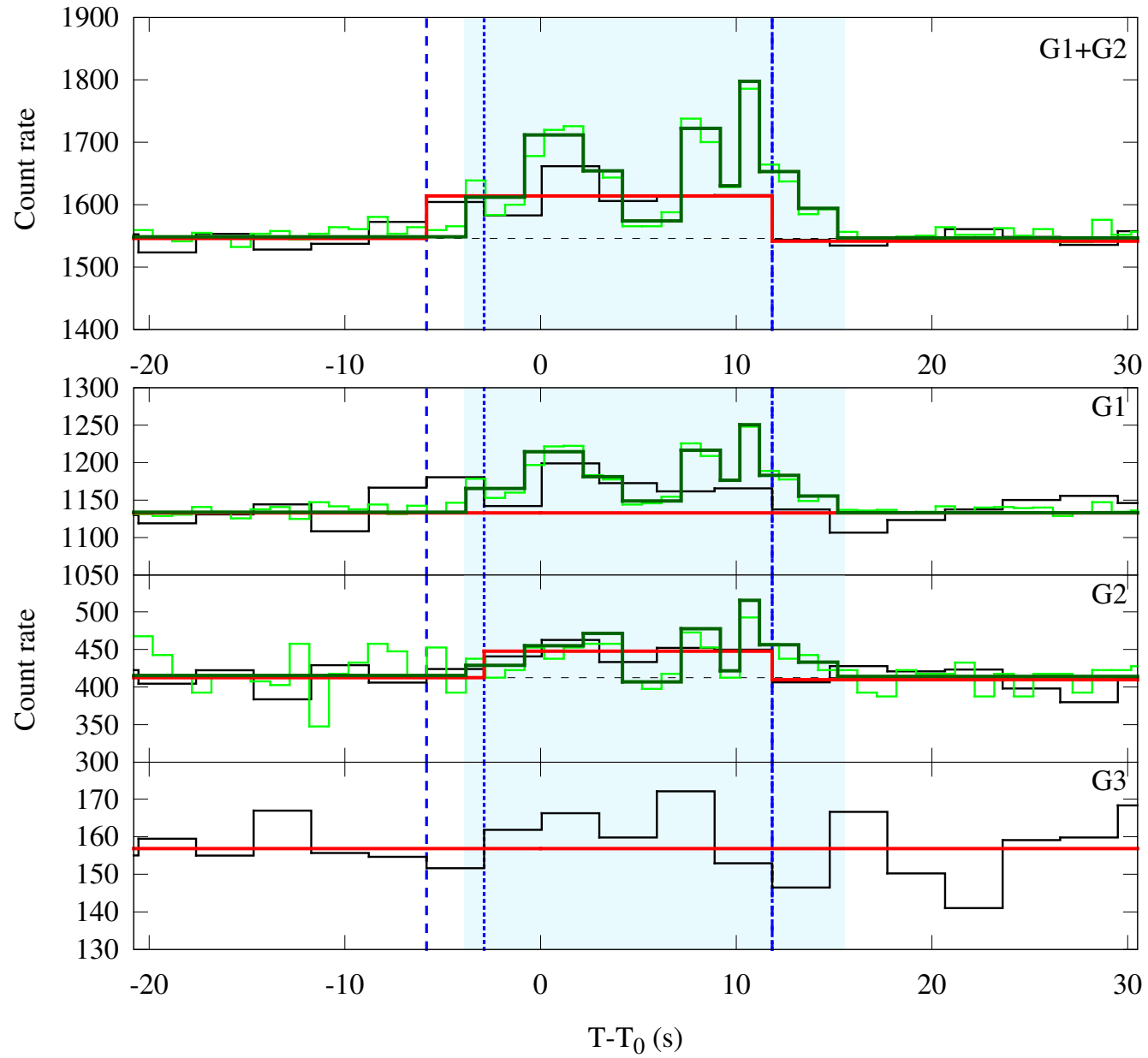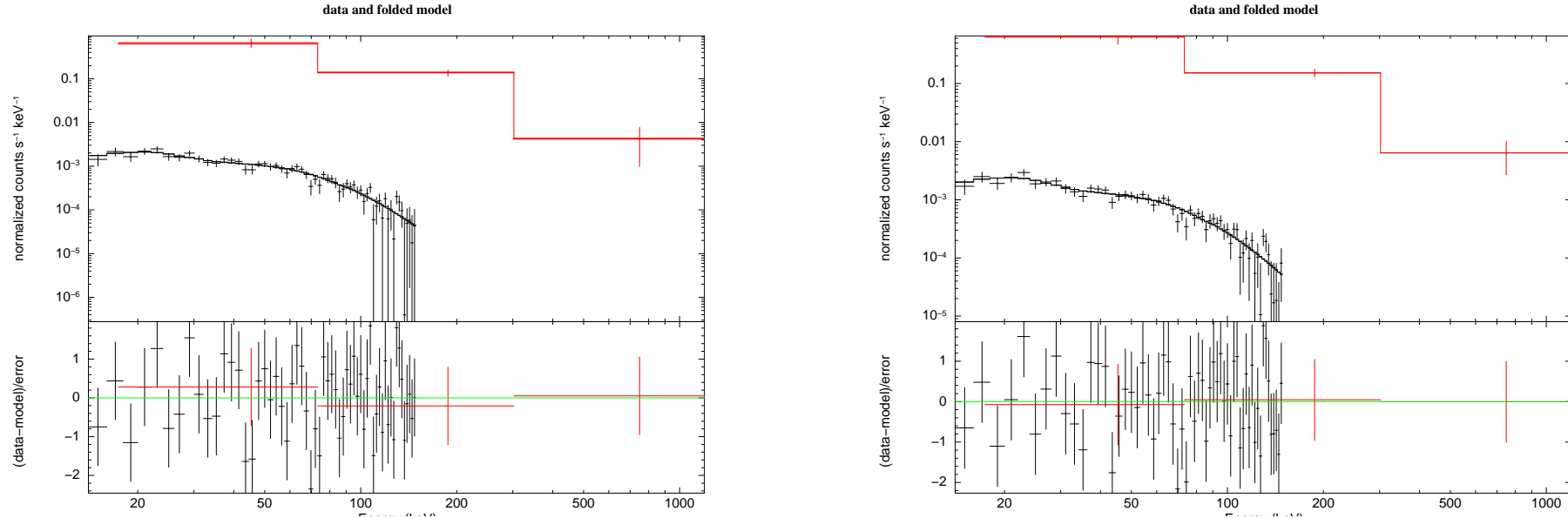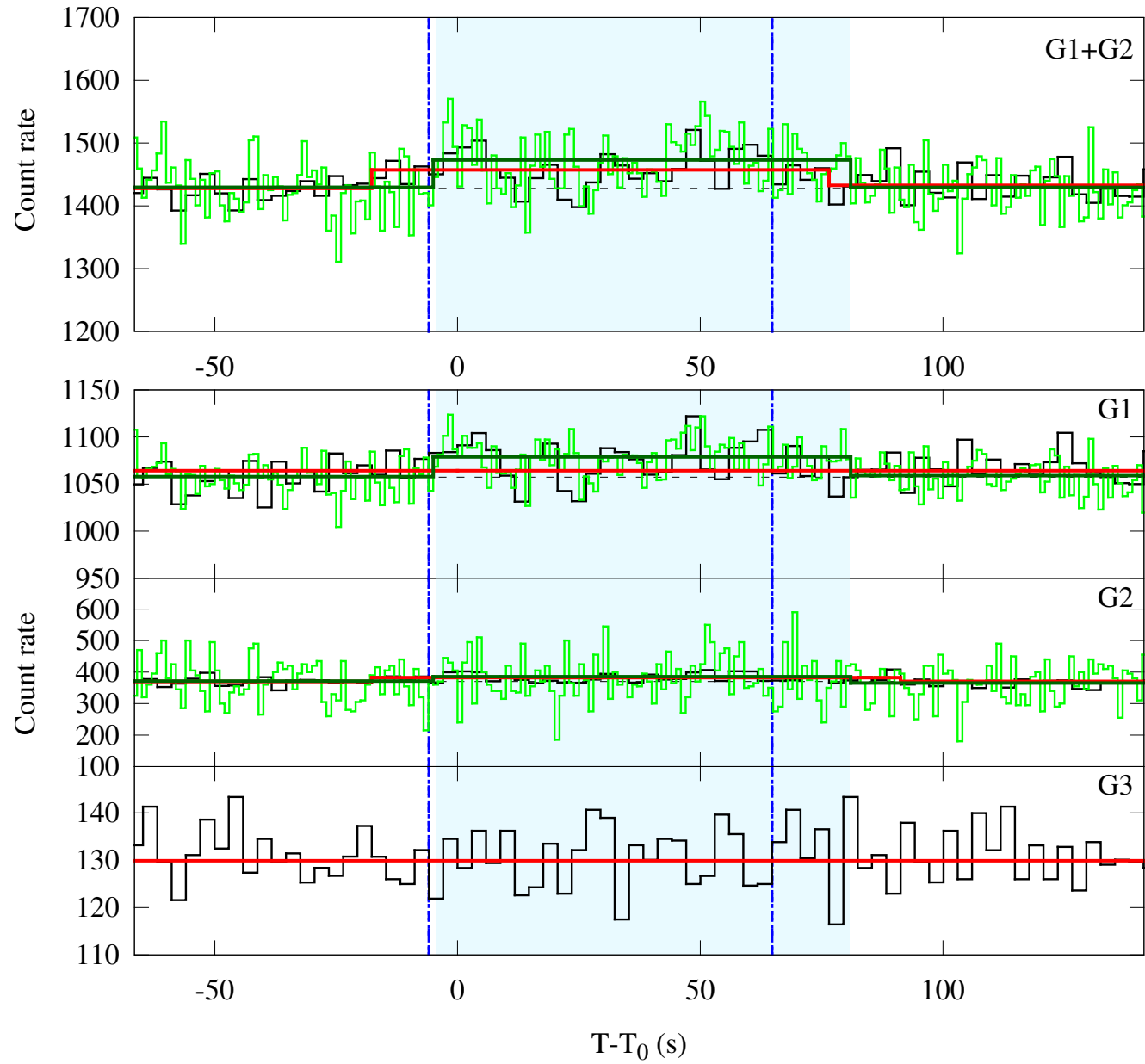
256

GRB 140304A

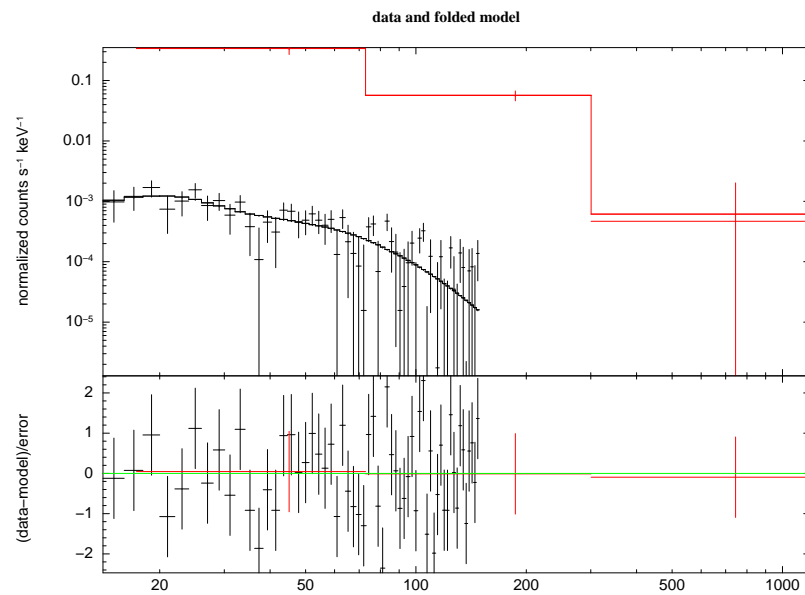Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$-5.83\ldots11.834$	**GRBM**	$\mathbf{-0.85^{+0.22}_{-0.19}}$	$\mathbf{-2.42^{+0.50}_{-7.58}}$	$\mathbf{140^{+52}_{-29}}$	$\mathbf{1.25^{+0.39}_{-0.30}}$	$\mathbf{51.0/58(0.73)}$
		CPL	$-0.90^{+0.20}_{-0.17}$	$\ldots$	152^{+58}_{-31}	$1.03^{+0.25}_{-0.16}$	$51.4/59(0.75)$
Peak	$-2.886\ldots11.834$	**GRBM**	$\mathbf{-0.93^{+0.22}_{-0.19}}$	$\mathbf{-2.11^{+0.35}_{-2.19}}$	$\mathbf{158^{+89}_{-40}}$	$\mathbf{1.55^{+0.43}_{-0.43}}$	$\mathbf{52.3/58(0.69)}$
		CPL	$-1.03^{+0.18}_{-0.14}$	$\ldots$	202^{+111}_{-57}	$1.27^{+0.38}_{-0.26}$	$52.9/59(0.7)$

GRB 140311A T_0 = 75916.25236 s S2 (z=4.954)

GRB 140311A

Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$-5.897\ldots64.759$	**CPL**	$\mathbf{-1.31^{+0.44}_{-0.32}}$	$\ldots$	$\mathbf{97^{+58}_{-24}}$	$\mathbf{0.50^{+0.13}_{-0.08}}$	$\mathbf{63.0/59(0.34)}$

GRB 140423A T_0 = 30713.26202 s S2 (z=3.26)
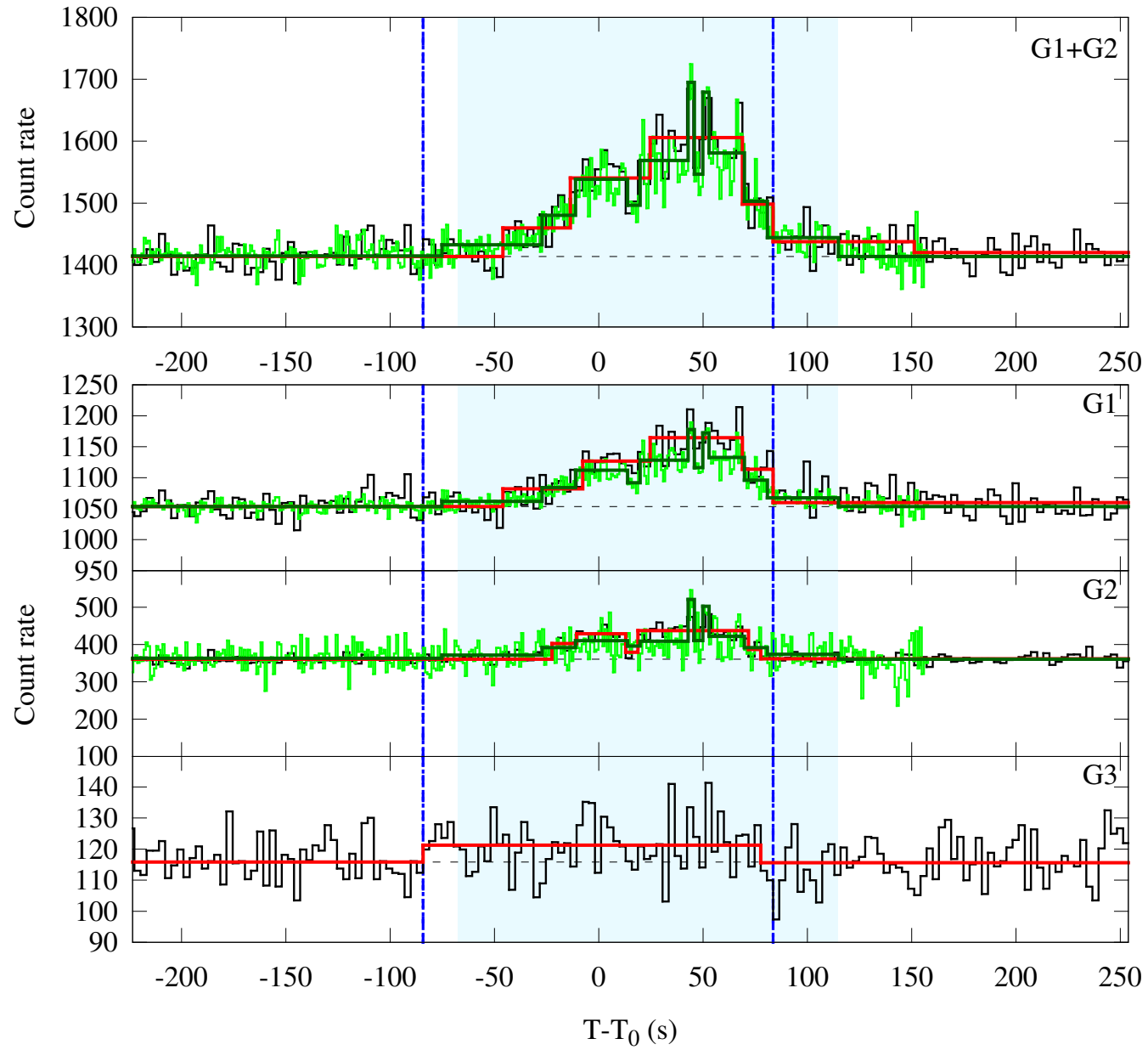
GRB 140423A
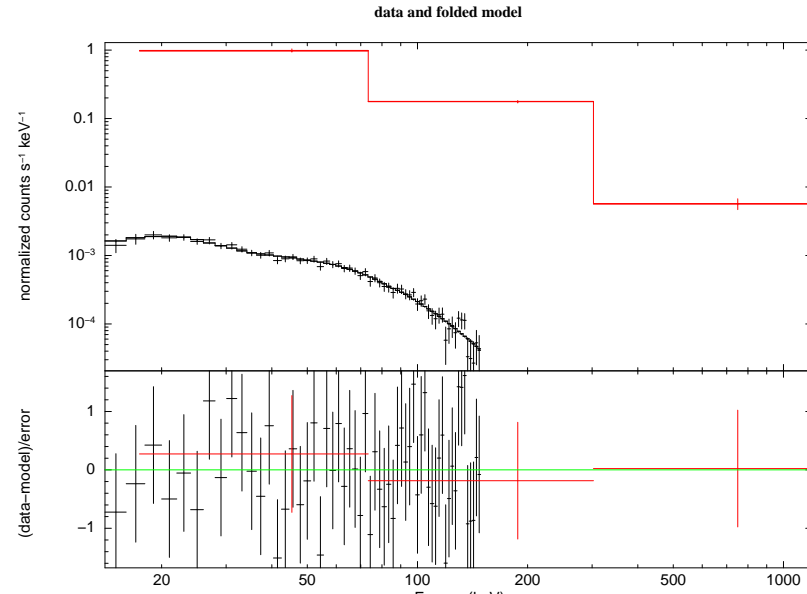
Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$-84.278\ldots 83.53$	**GRBM**	$\mathbf{-1.04^{+0.10}_{-0.09}}$	$\mathbf{-2.47^{+0.28}_{-0.99}}$	$\mathbf{182^{+37}_{-28}}$	$\mathbf{1.33^{+0.11}_{-0.11}}$	$\mathbf{35.7/58(0.99)}$
		CPL	$-1.11^{+0.06}_{-0.06}$	$\ldots$	217^{+29}_{-24}	$1.25^{+0.09}_{-0.08}$	$36.3/59(0.99)$

GRB 140430A T_0 = 74016.52716 s S2 (z=1.60)
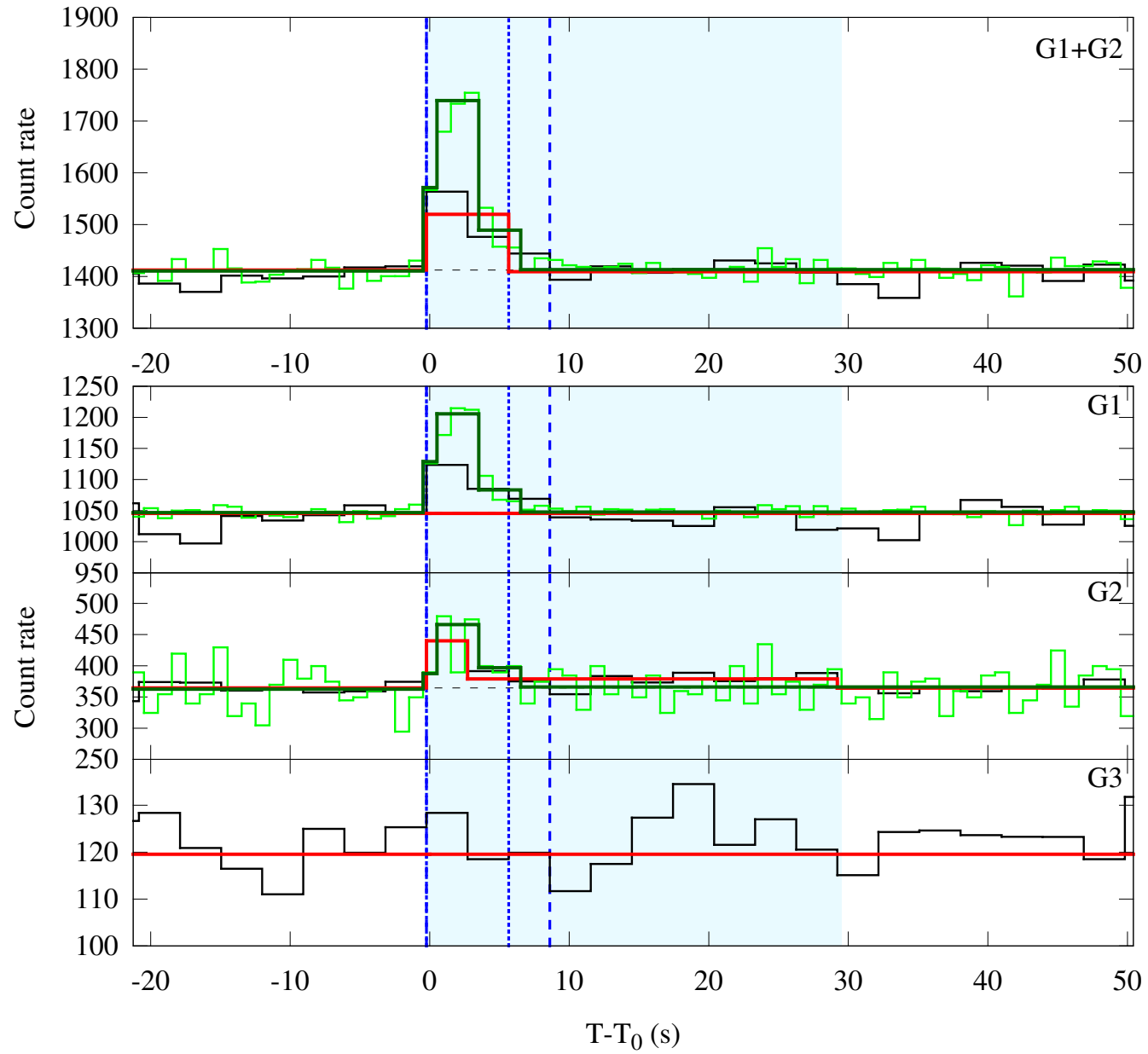
GRB 140430A
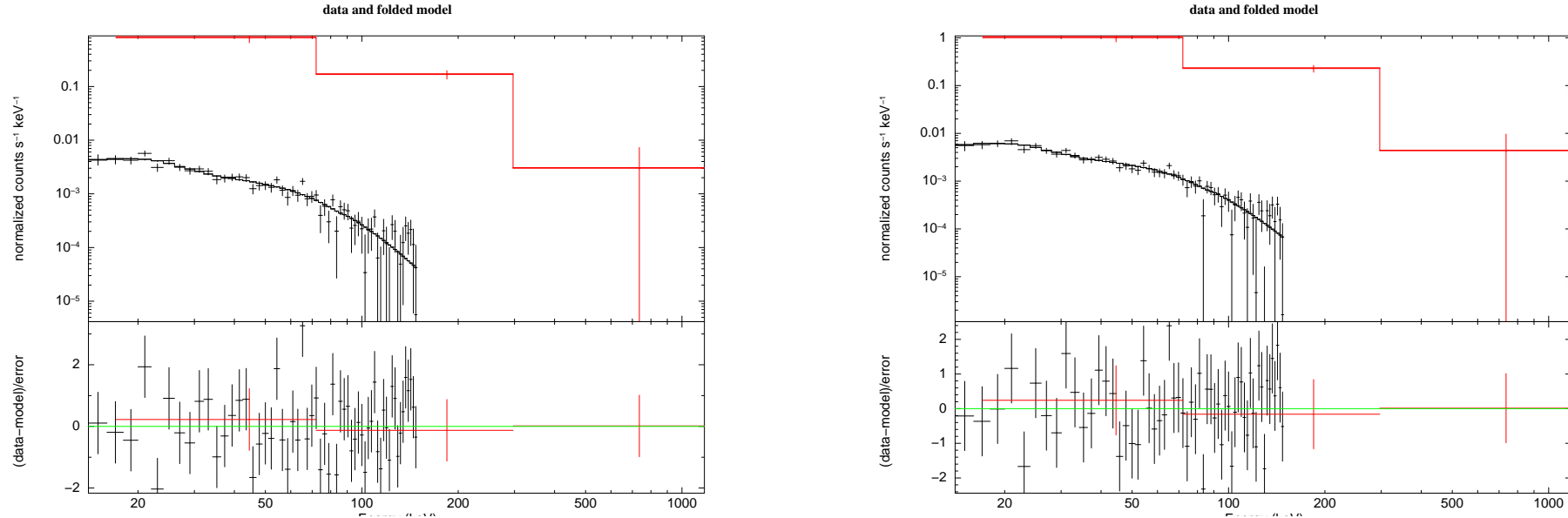
Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$-0.228\ldots8.604$	**GRBM**	$\mathbf{-1.24^{+0.25}_{-0.17}}$	$\mathbf{-3.11^{+0.98}_{-6.89}}$	$\mathbf{103^{+27}_{-25}}$	$\mathbf{1.82^{+0.56}_{-0.23}}$	$\mathbf{64.3/58(0.27)}$
		CPL	$-1.26^{+0.20}_{-0.17}$	$\ldots$	106^{+42}_{-21}	$1.72^{+0.35}_{-0.23}$	$64.3/59(0.3)$
Peak	$-0.228\ldots5.66$	**GRBM**	$\mathbf{-1.23^{+0.20}_{-0.14}}$	$\mathbf{-3.44^{+1.25}_{-6.56}}$	$\mathbf{121^{+26}_{-28}}$	$\mathbf{2.42^{+0.66}_{-0.36}}$	$\mathbf{52.1/58(0.69)}$
		CPL	$-1.24^{+0.17}_{-0.14}$	$\ldots$	123^{+47}_{-26}	$2.35^{+0.46}_{-0.32}$	$52.1/59(0.72)$

GRB 140509A T_0 = 8533.61328 s S1 (z=2.4)
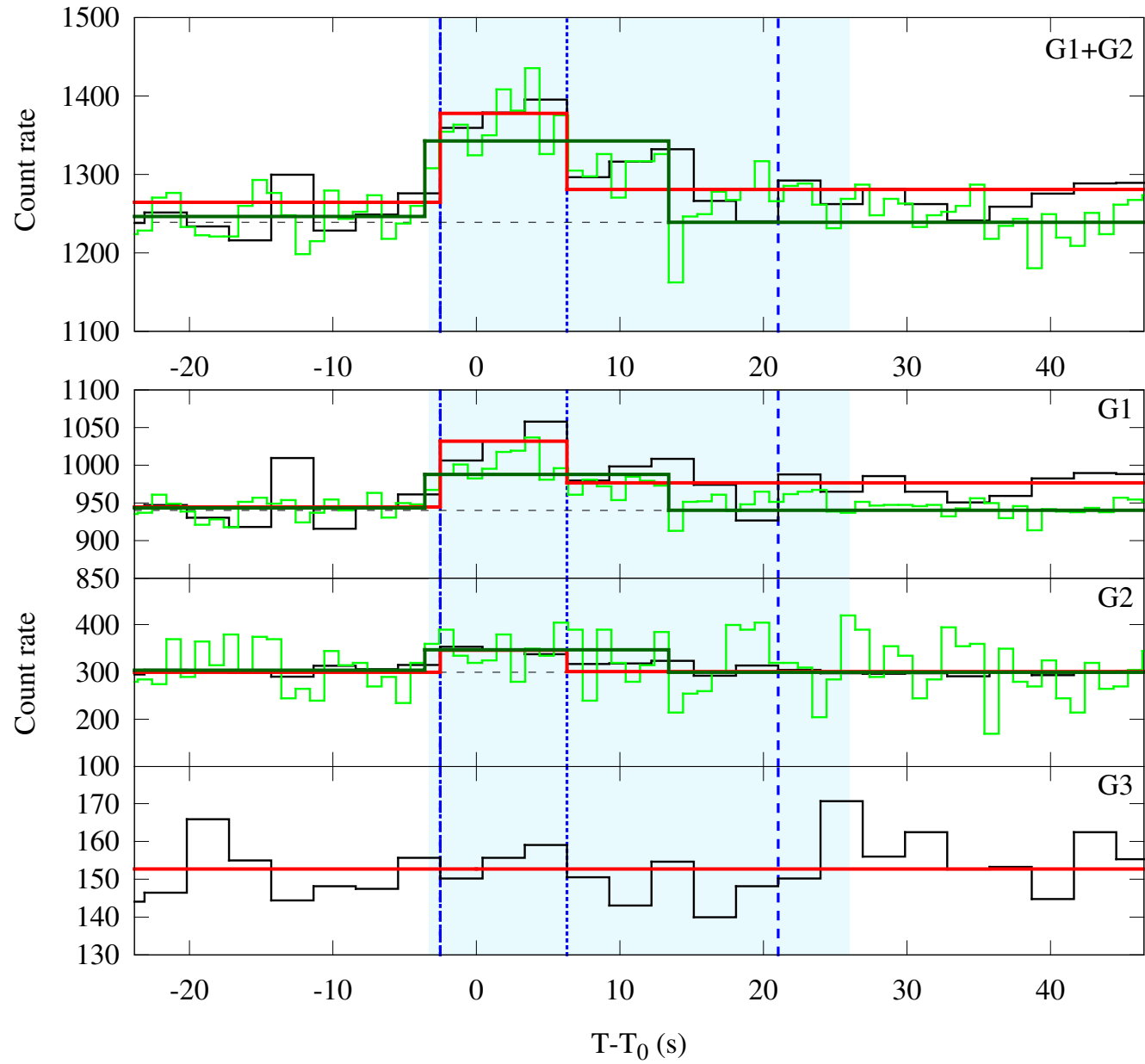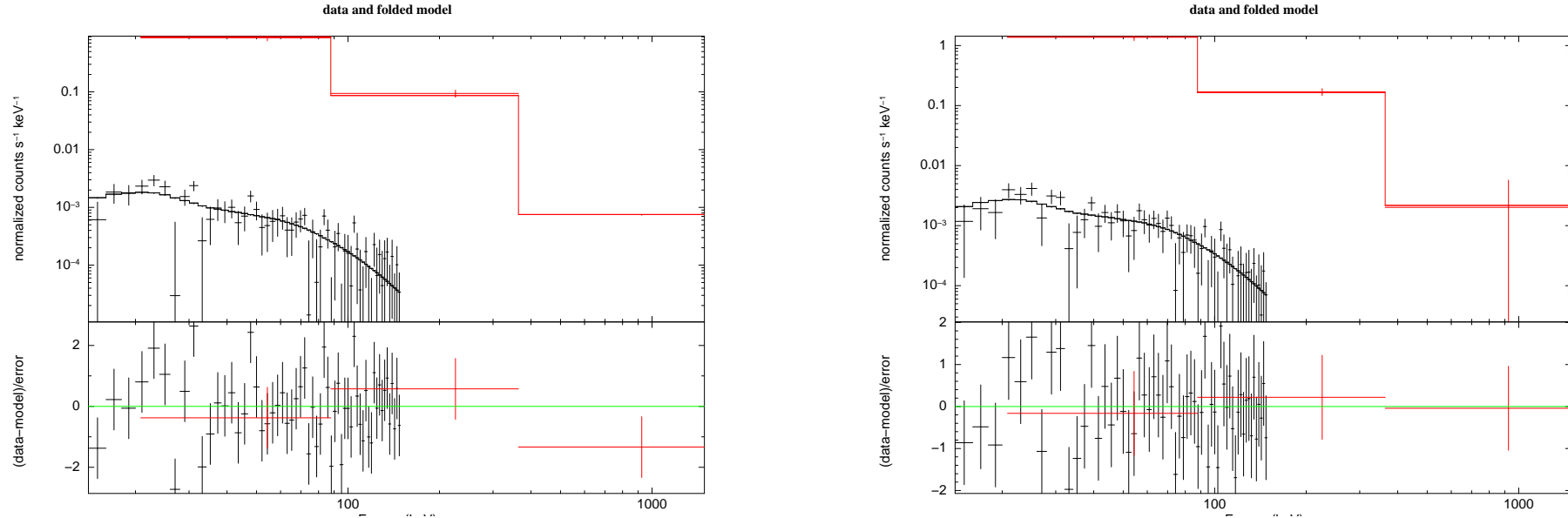
GRB 140509A

Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$-2.519\ldots21.033$	**CPL**	$\mathbf{-1.22^{+0.29}_{-0.24}}$	$\ldots$	$\mathbf{122^{+49}_{-26}}$	$\mathbf{0.82^{+0.15}_{-0.11}}$	$\mathbf{72.2/59(0.12)}$
Peak	$-2.519\ldots6.313$	**GRBM**	$\mathbf{-1.00^{+0.52}_{-0.28}}$	$\mathbf{-3.19^{+1.17}_{-6.81}}$	$\mathbf{140^{+37}_{-51}}$	$\mathbf{1.55^{+0.54}_{-0.29}}$	$\mathbf{47.4/58(0.84)}$
		CPL	$-1.03^{+0.34}_{-0.27}$	$\ldots$	145^{+74}_{-34}	$1.48^{+0.36}_{-0.23}$	$47.4/59(0.86)$

GRB 140518A T_0 = 33466.63072 s S2 (z=4.707)
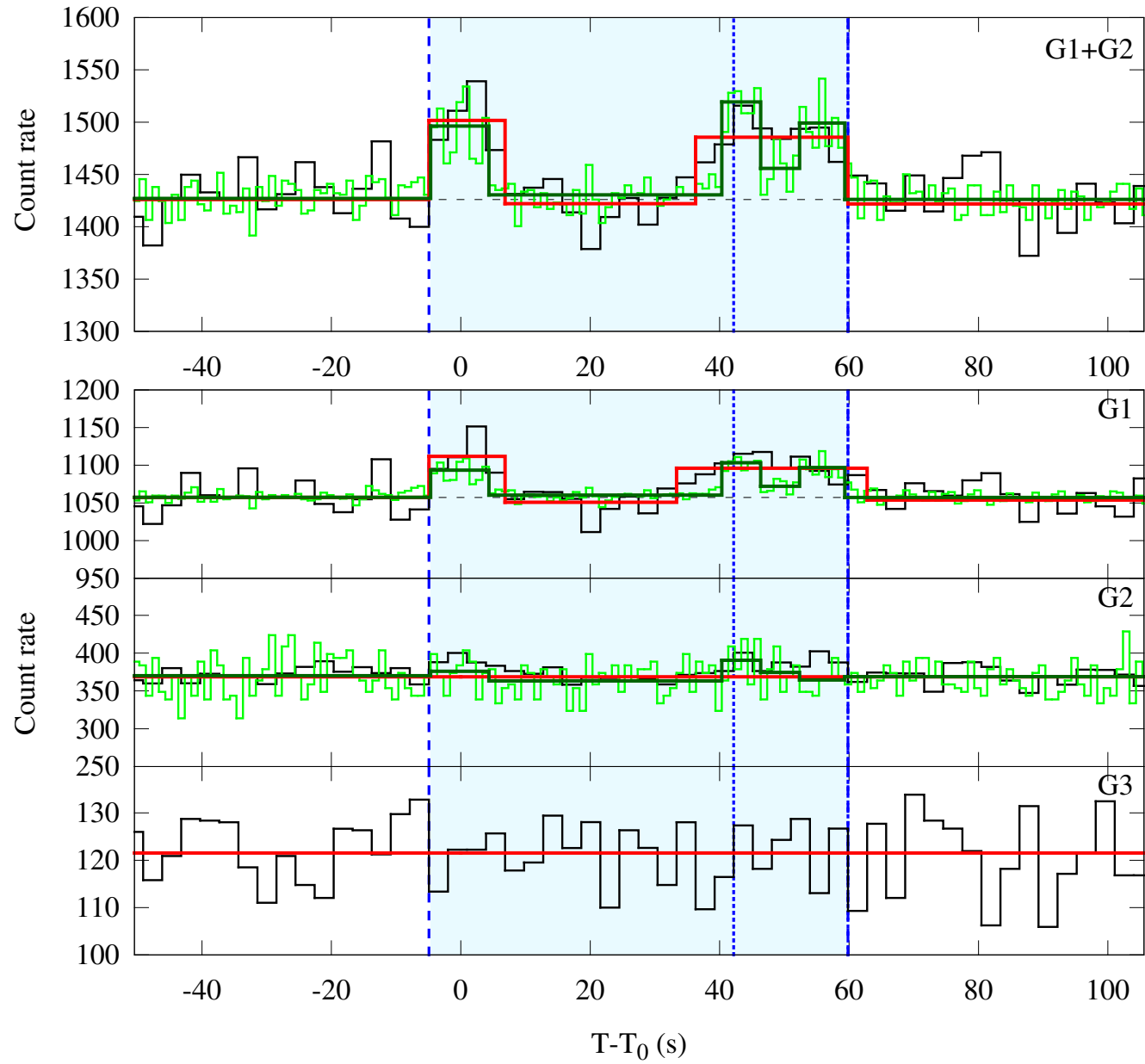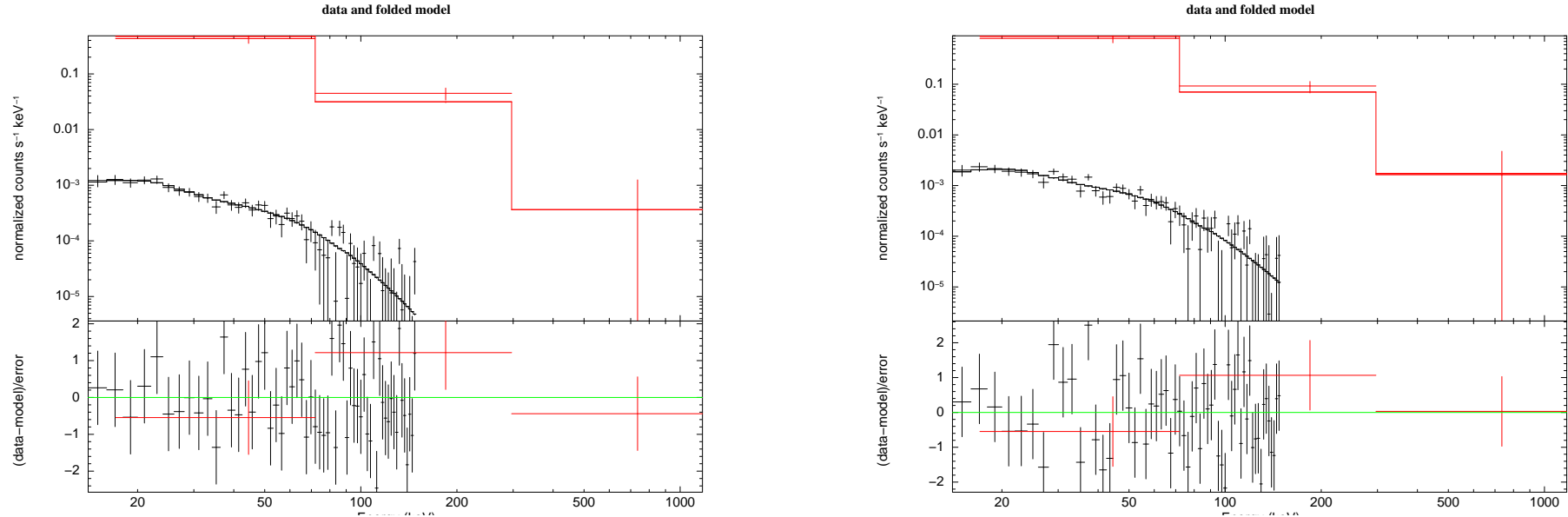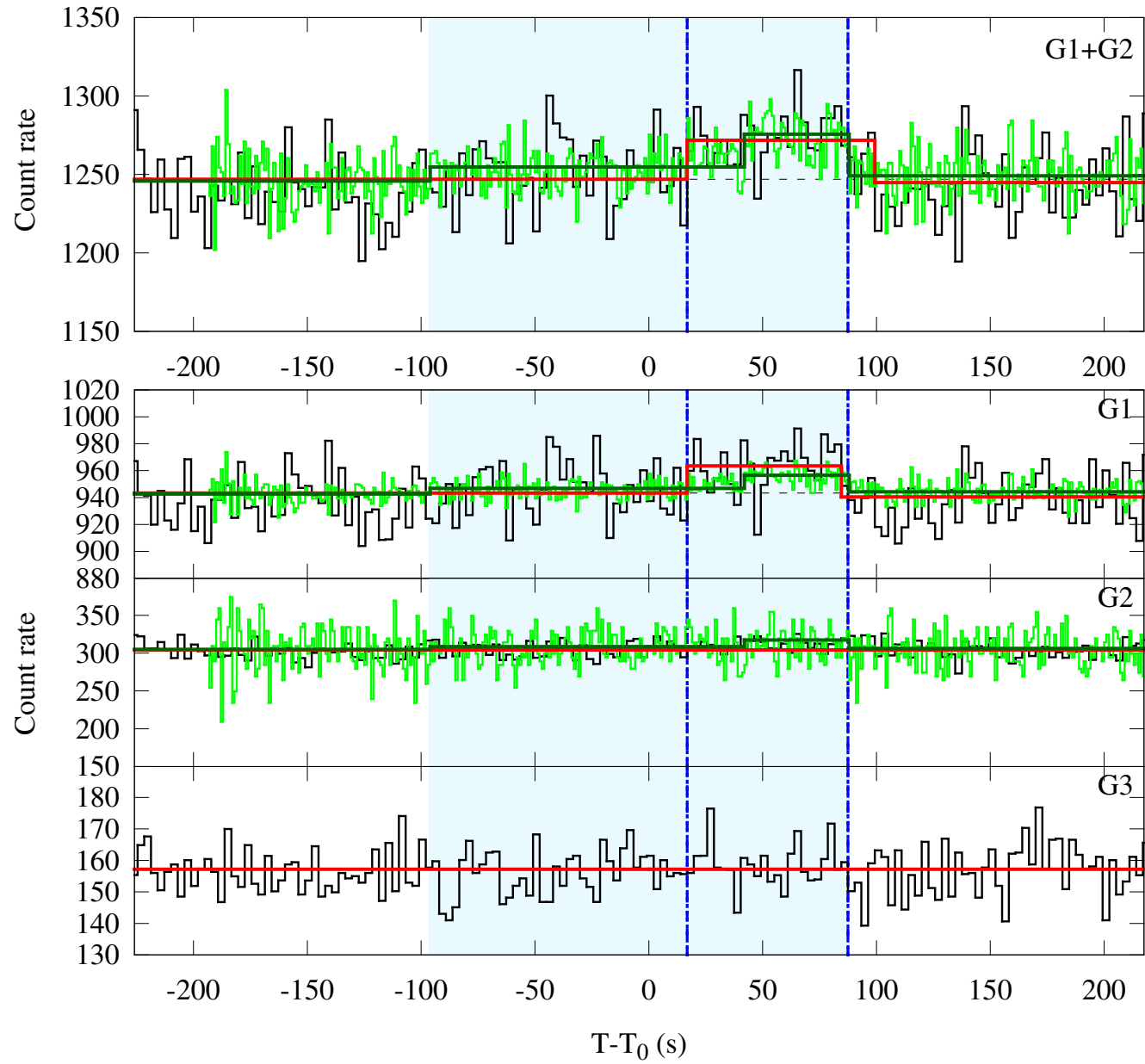
GRB 140518A

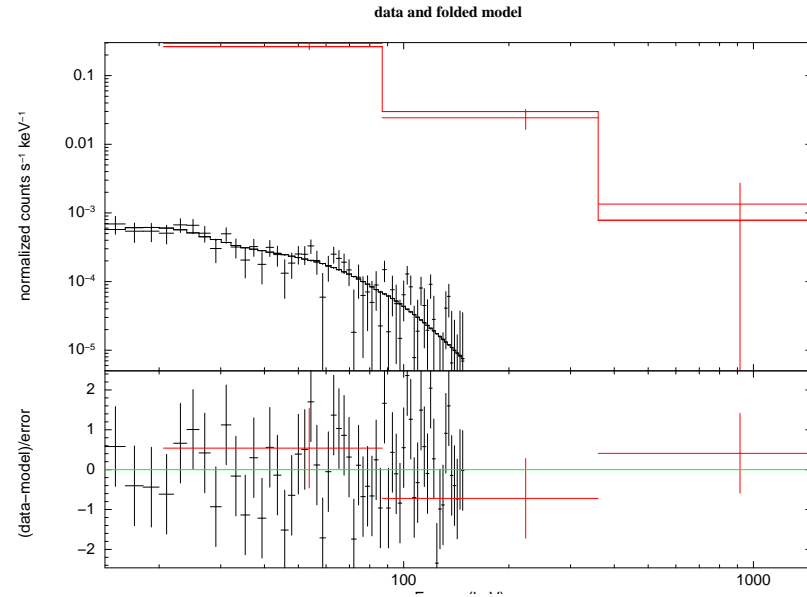Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-4.929\ldots59.839$	**GRBM**	$\mathbf{-1.08^{+0.47}_{-0.32}}$	$\mathbf{-2.91^{+0.64}_{-7.09}}$	$\mathbf{51^{+8}_{-8}}$	$\mathbf{0.24^{+0.08}_{-0.04}}$	$\mathbf{56.9/58(0.51)}$
		CPL	$-1.13^{+0.34}_{-0.31}$	$\ldots$	53^{+9}_{-6}	$0.21^{+0.03}_{-0.02}$	$57.1/59(0.54)$
Peak	$42.175\ldots59.839$	**GRBM**	$\mathbf{-0.62^{+0.75}_{-0.45}}$	$\mathbf{-2.40^{+0.28}_{-0.67}}$	$\mathbf{50^{+9}_{-9}}$	$\mathbf{0.57^{+0.14}_{-0.13}}$	$\mathbf{67.2/58(0.19)}$
		CPL	$-0.91^{+0.36}_{-0.33}$	$\ldots$	57^{+9}_{-6}	$0.41^{+0.05}_{-0.04}$	$68.8/59(0.18)$

GRB 140614A T_0 = 3899.86398 s S1 (z=4.233)

GRB 140614A

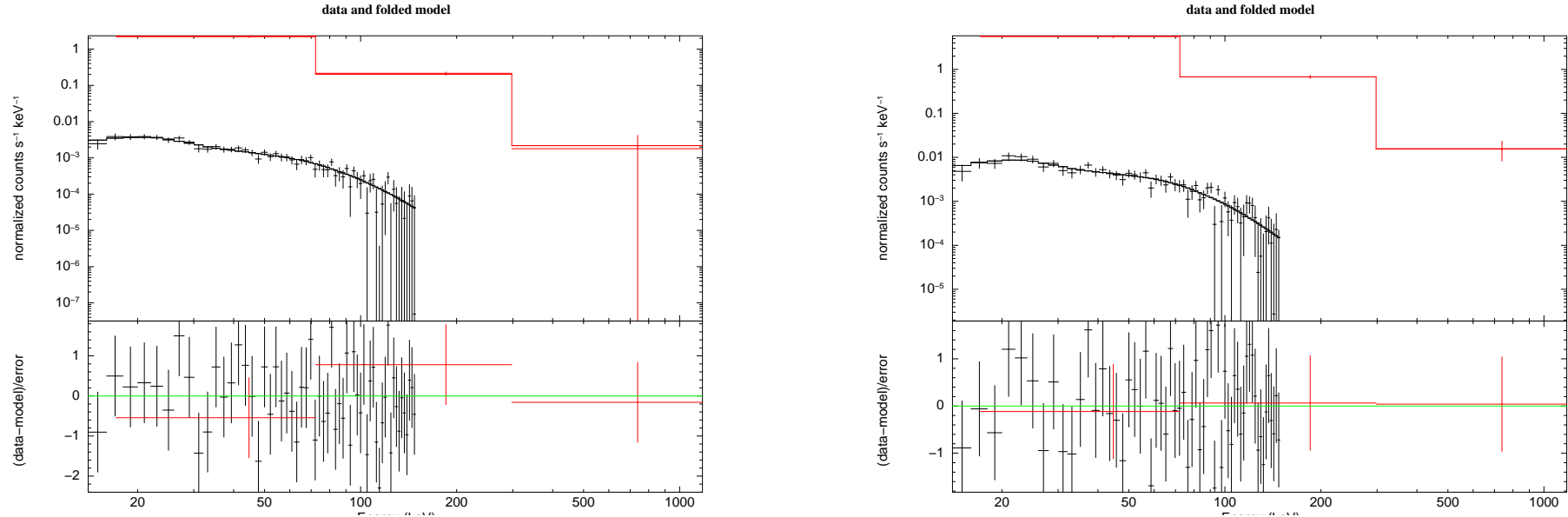Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$16.836\ldots87.492$	**GRBM**	$\mathbf{-1.17^{+0.41}_{-0.27}}$	$\mathbf{-2.29^{+0.56}_{-7.71}}$	$\mathbf{129^{+153}_{-54}}$	$\mathbf{0.33^{+0.08}_{-0.12}}$	$\mathbf{57.7/58(0.49)}$
		CPL	$-1.19^{+0.33}_{-0.28}$	$\ldots$	136^{+229}_{-43}	$0.27^{+0.15}_{-0.06}$	$58.0/59(0.51)$

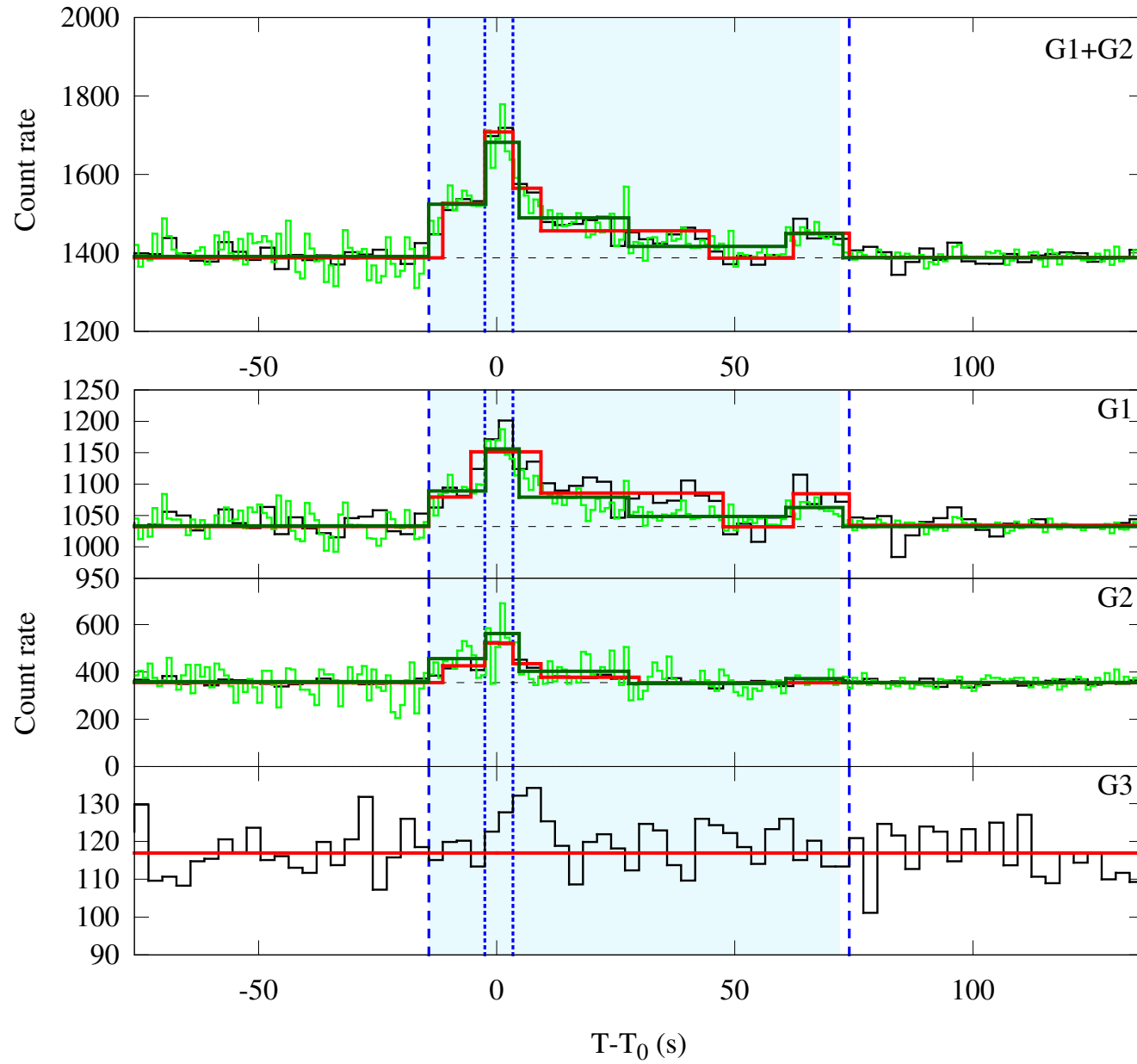GRB 140629A T_0 = 51450.32676 s S2 (z=2.275)
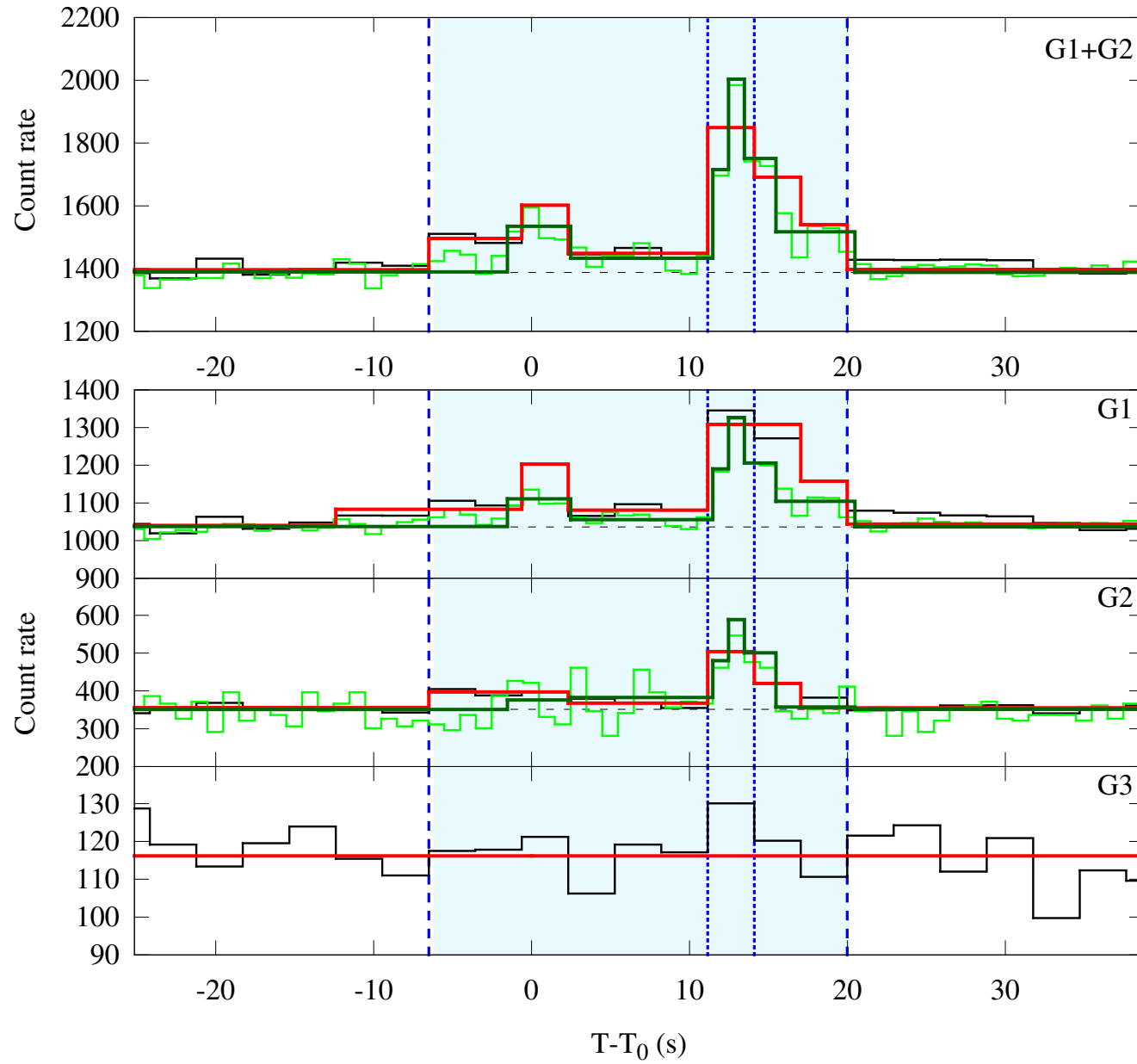
GRB 140629A

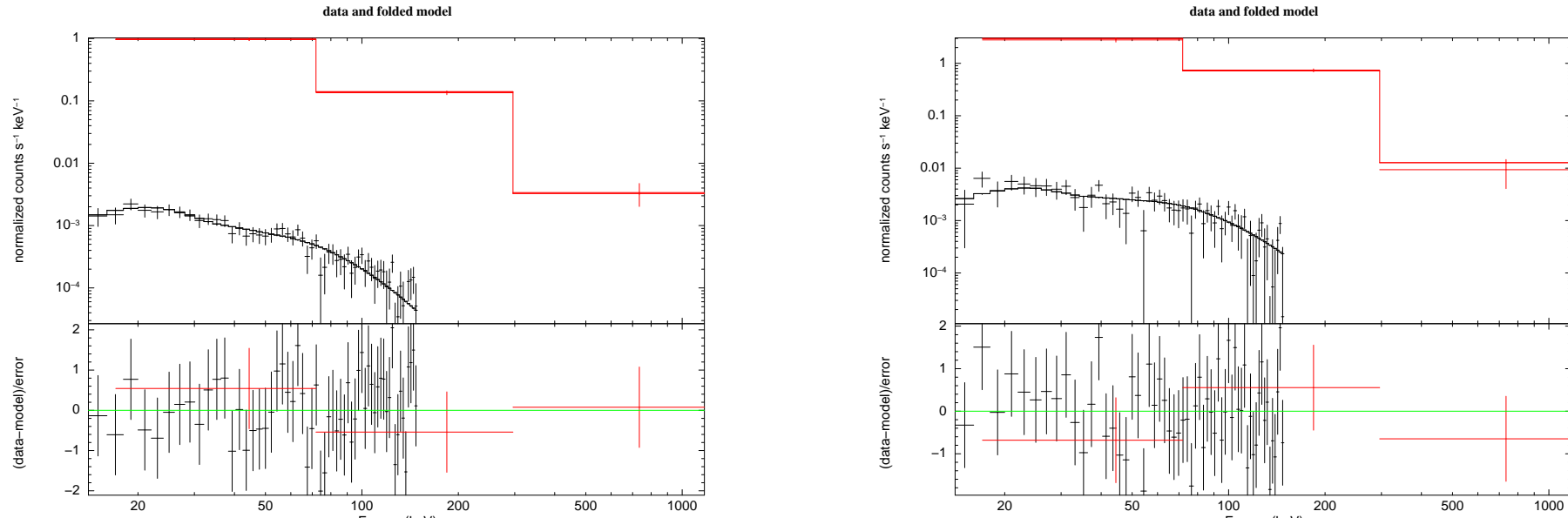Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$-6.509\ldots19.987$	**GRBM**	$\mathbf{-1.30^{+0.29}_{-0.19}}$	$\mathbf{-3.30^{+0.91}_{-6.70}}$	$\mathbf{78^{+7}_{-13}}$	$\mathbf{1.34^{+0.26}_{-0.14}}$	$\mathbf{46.0/58(0.87)}$
		CPL	$-1.33^{+0.20}_{-0.17}$	$\ldots$	80^{+14}_{-9}	$1.28^{+0.13}_{-0.10}$	$46.1/59(0.89)$
Peak	$11.155\ldots14.099$	**GRBM**	$\mathbf{-0.82^{+0.35}_{-0.26}}$	$\mathbf{-2.47^{+0.29}_{-0.61}}$	$\mathbf{89^{+19}_{-15}}$	$\mathbf{4.71^{+0.72}_{-0.66}}$	$\mathbf{44.4/58(0.91)}$
		CPL	$-1.04^{+0.25}_{-0.21}$	$\ldots$	107^{+28}_{-16}	$3.93^{+0.55}_{-0.40}$	$46.8/59(0.88)$

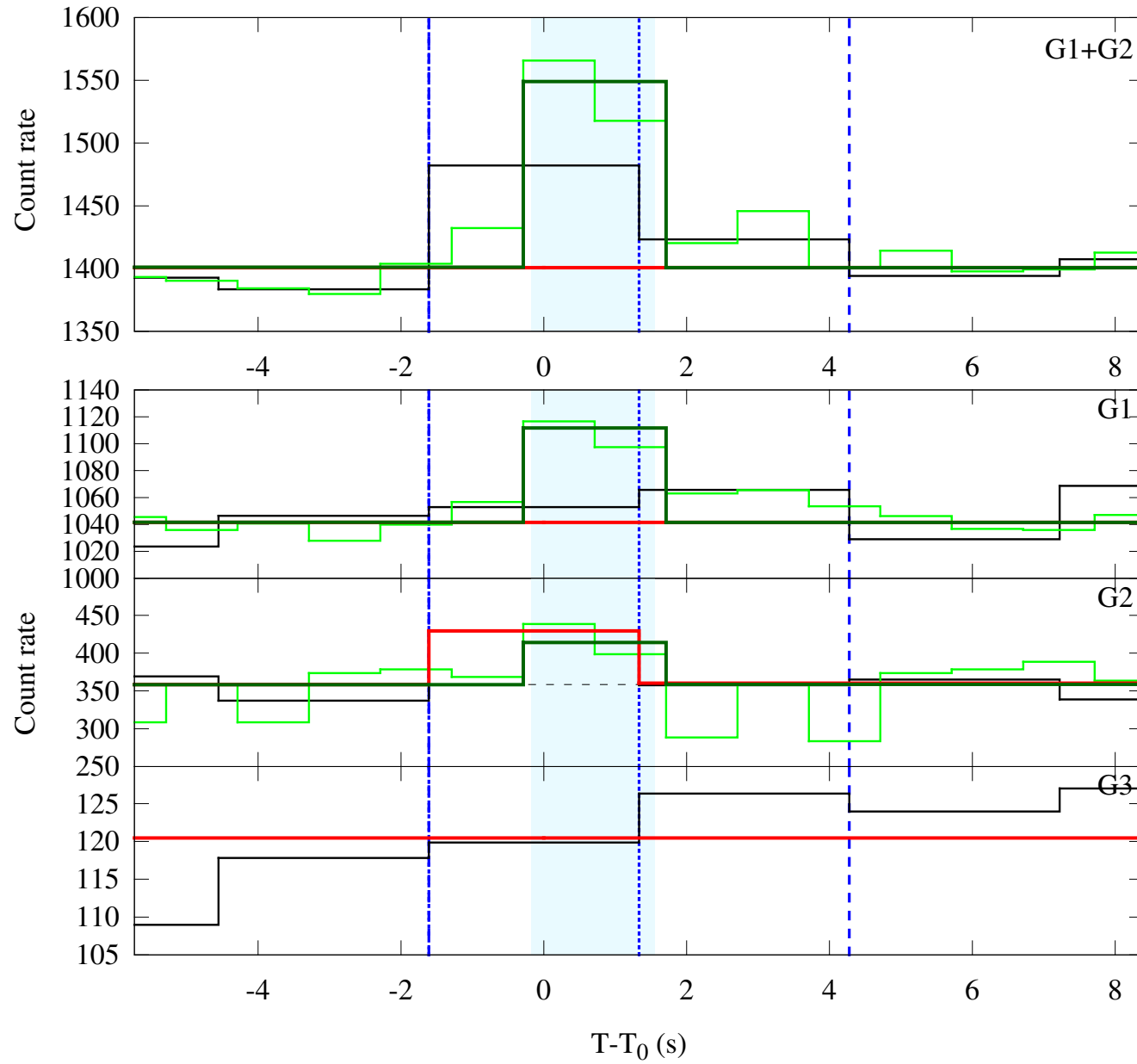GRB 140703A T_0 = 2237.0644 s S2 (z=3.14)

GRB 140703A

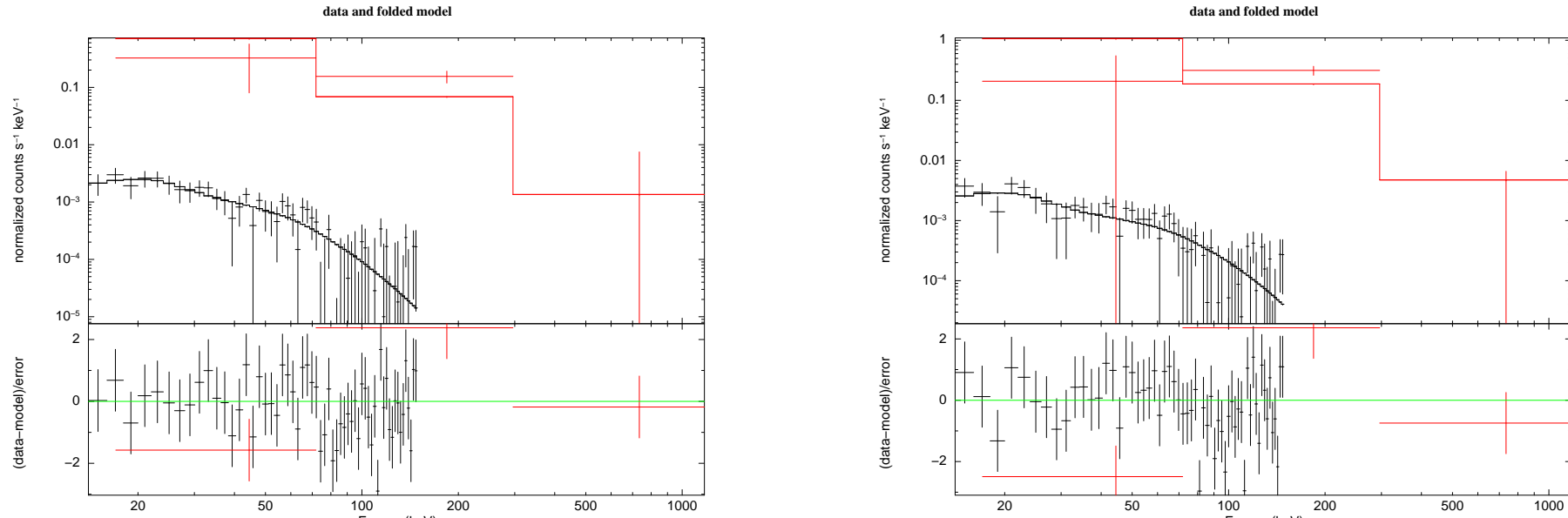Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$-14.262\ldots74.058$	**GRBM**	$\mathbf{-1.30^{+0.22}_{-0.18}}$	$\mathbf{-2.65^{+0.42}_{-1.76}}$	$\mathbf{125^{+47}_{-27}}$	$\mathbf{1.04^{+0.14}_{-0.12}}$	$\mathbf{43.0/58(0.93)}$
		CPL	$-1.38^{+0.15}_{-0.12}$	$\ldots$	146^{+42}_{-28}	$0.99^{+0.12}_{-0.10}$	$43.3/59(0.94)$
Peak	$-2.486\ldots3.402$	**CPL**	$\mathbf{-0.70^{+0.20}_{-0.17}}$	$\ldots$	$\mathbf{167^{+24}_{-20}}$	$\mathbf{4.25^{+0.39}_{-0.36}}$	$\mathbf{47.5/59(0.86)}$

GRB 140710A T_0 = 37000.04142 s S2 (z=0.558)

GRB 140710A

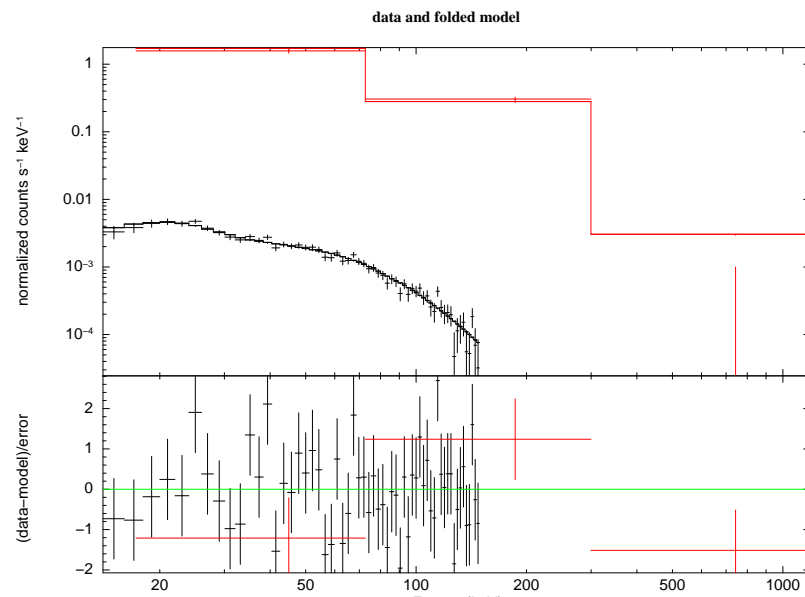Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	$\chi^2/$dof (Prob.)
Time-integrated	$-1.61\ldots4.278$	**GRBM**	$\mathbf{-0.95^{+2.81}_{-0.72}}$	$\mathbf{-2.55^{+0.54}_{-2.30}}$	$\mathbf{45^{+16}_{-19}}$	$\mathbf{0.73^{+0.38}_{-0.21}}$	$\mathbf{59.5/58(0.42)}$
		CPL	$-1.07^{+0.89}_{-0.87}$	$\ldots$	47^{+158}_{-9}	$0.53^{+0.32}_{-0.08}$	$60.5/59(0.42)$
Peak	$-1.61\ldots1.334$	**CPL**	$\mathbf{-1.48^{+0.38}_{-0.25}}$	$\ldots$	$\mathbf{154^{+331}_{-70}}$	$\mathbf{1.62^{+0.69}_{-0.46}}$	$\mathbf{74.5/59(0.084)}$

GRB 140907A $T_0 = 58028.84722$ s S2 (z=1.21)
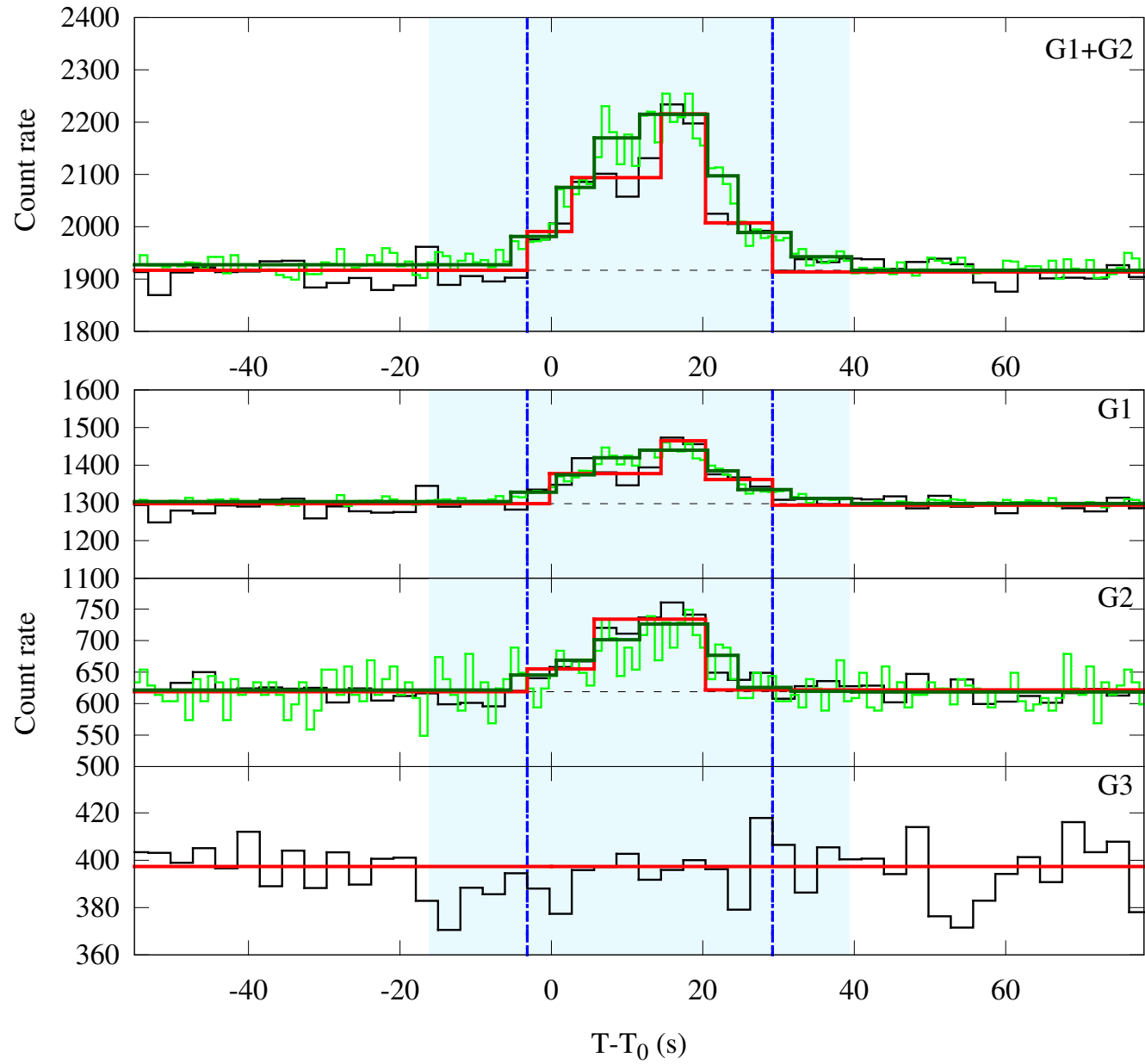
GRB 140907A
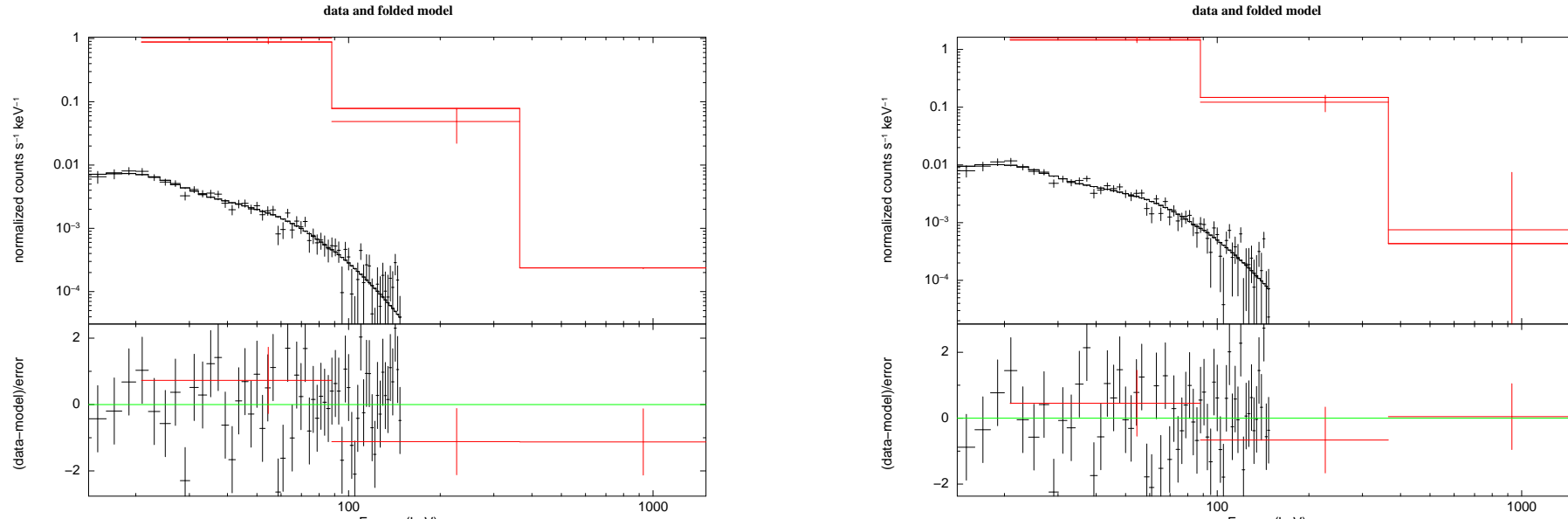

Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_p (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$-3.185\ldots29.199$	**CPL**	$\mathbf{-1.08^{+0.11}_{-0.10}}$	$\ldots$	$\mathbf{116^{+15}_{-11}}$	$\mathbf{1.88^{+0.15}_{-0.12}}$	$\mathbf{61.8/59(0.38)}$

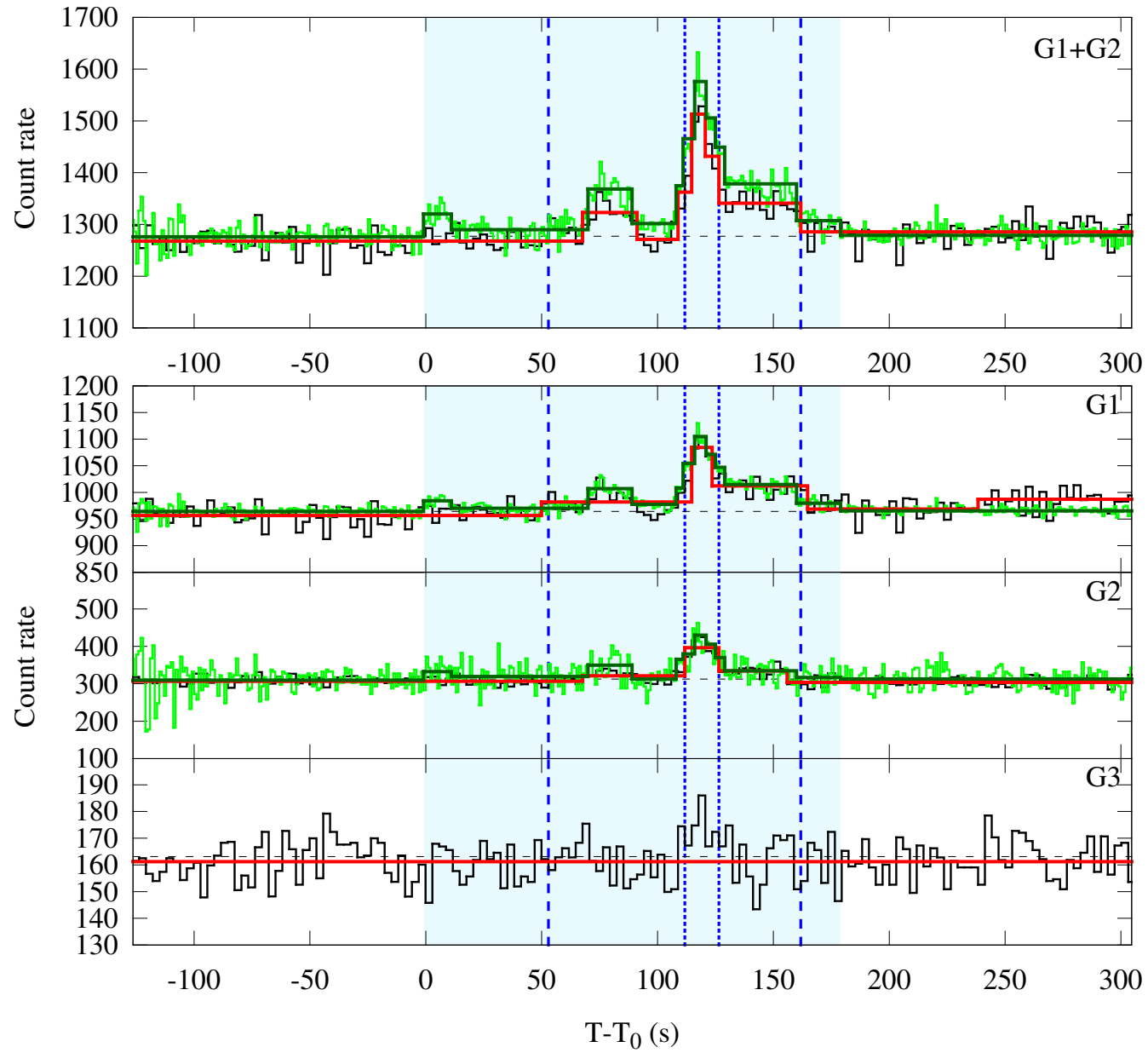GRB 141004A T_0 = 84054.39516 s S1 (z=0.573)
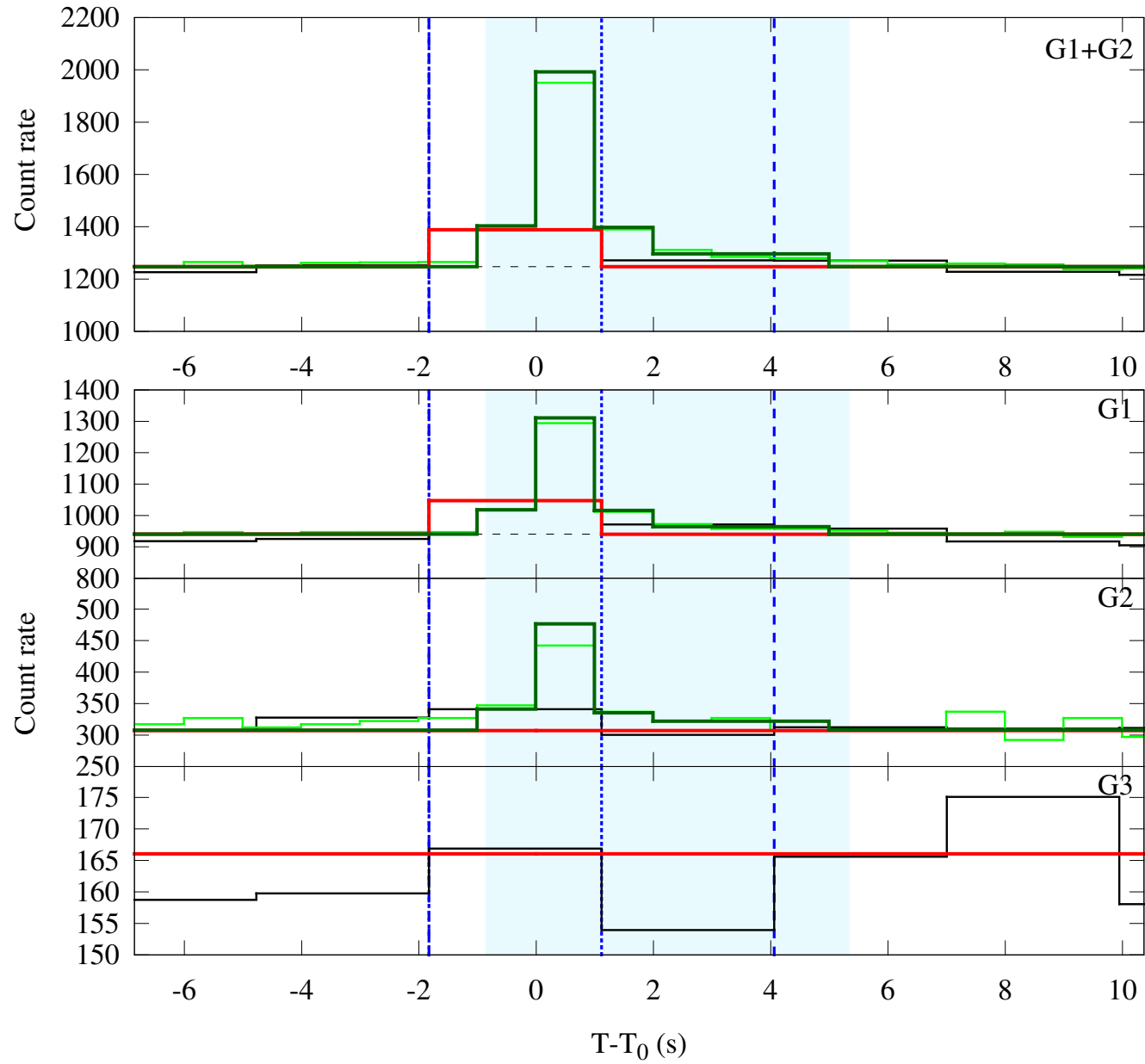
GRB 141004A

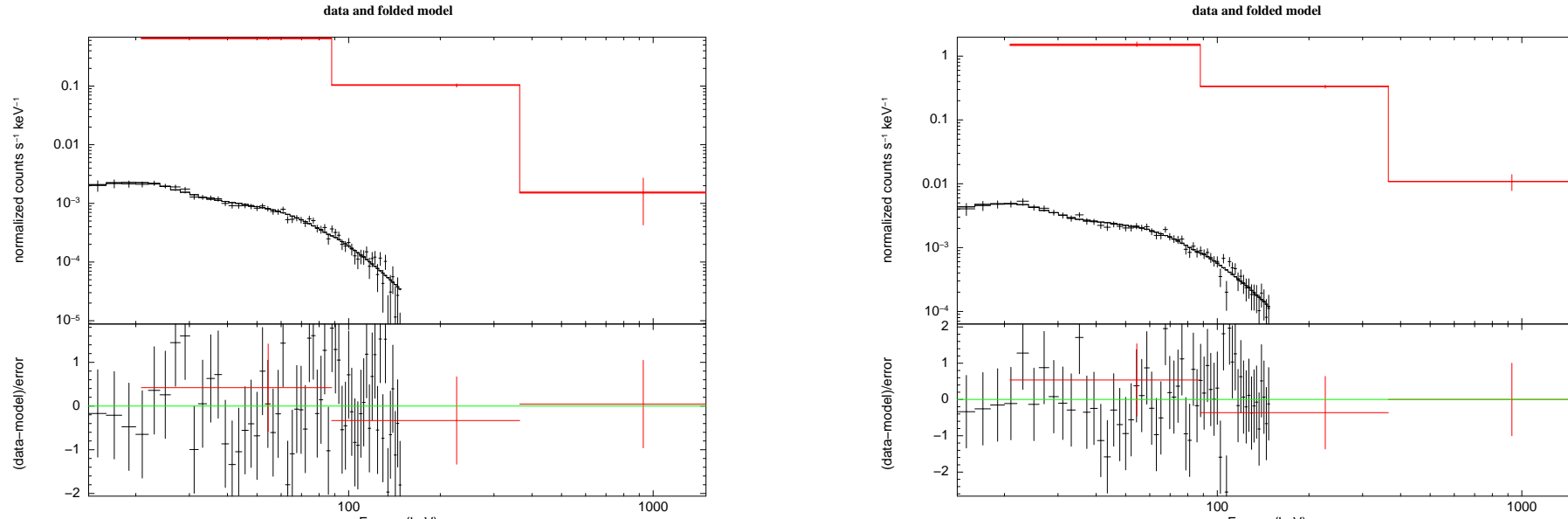Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_p (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$-1.83\ldots4.058$	**CPL**	$\mathbf{-1.42^{+0.19}_{-0.17}}$	...	$\mathbf{64^{+12}_{-7}}$	$\mathbf{1.25^{+0.15}_{-0.10}}$	$\mathbf{68.3/59(0.19)}$
Peak	$-1.83\ldots1.114$	**CPL**	$\mathbf{-1.22^{+0.19}_{-0.17}}$	...	$\mathbf{78^{+15}_{-9}}$	$\mathbf{2.16^{+0.26}_{-0.18}}$	$\mathbf{73.4/59(0.098)}$

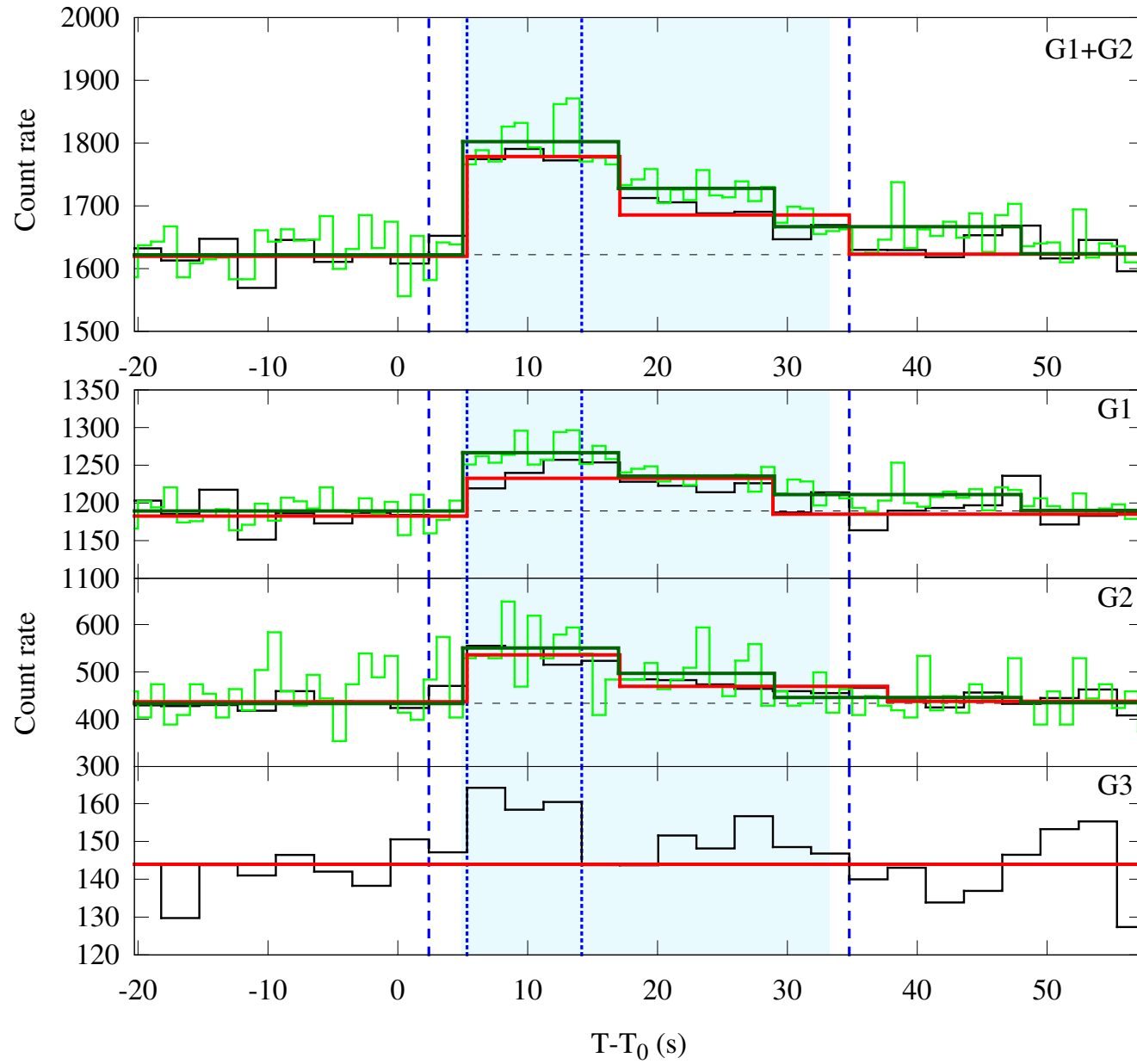GRB 141109A T_0 = 20995.23618 s S1 (z=2.993)

280

GRB 141109A

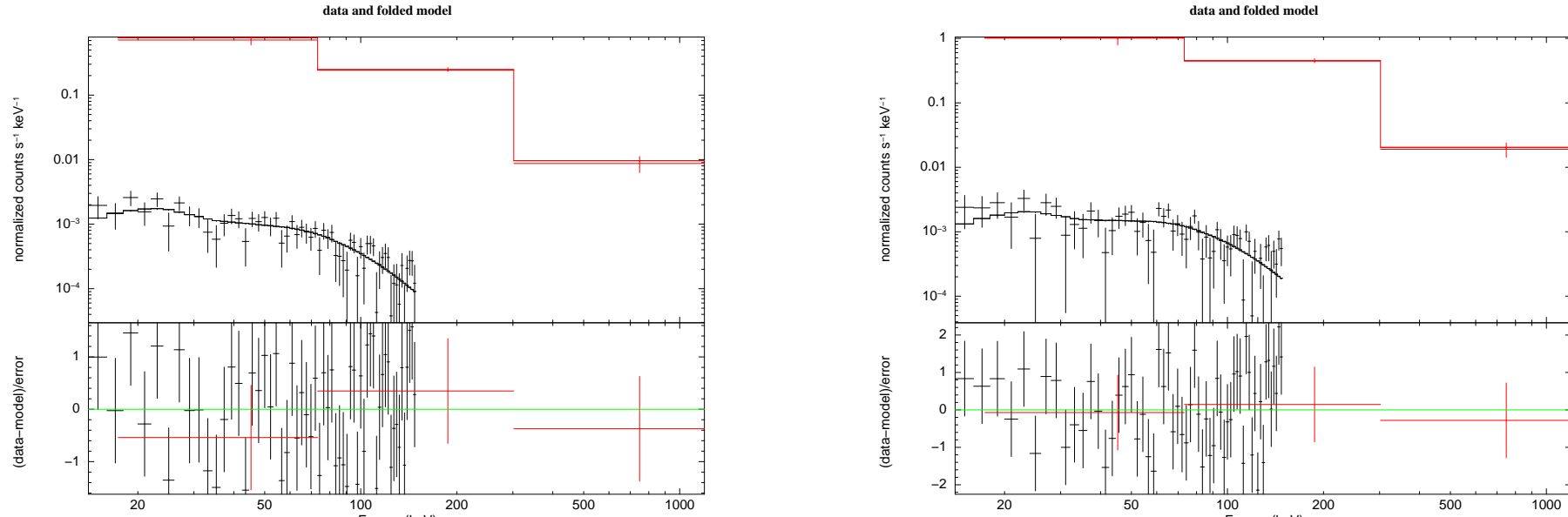Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_p (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$52.898\ldots161.826$	**CPL**	$-1.20^{+0.08}_{-0.08}$	...	163^{+28}_{-21}	$1.31^{+0.12}_{-0.10}$	$54.6/59(0.64)$
Peak	$111.778\ldots126.498$	**CPL**	$-1.09^{+0.06}_{-0.06}$	...	297^{+57}_{-45}	$4.75^{+0.48}_{-0.44}$	$44.3/59(0.92)$

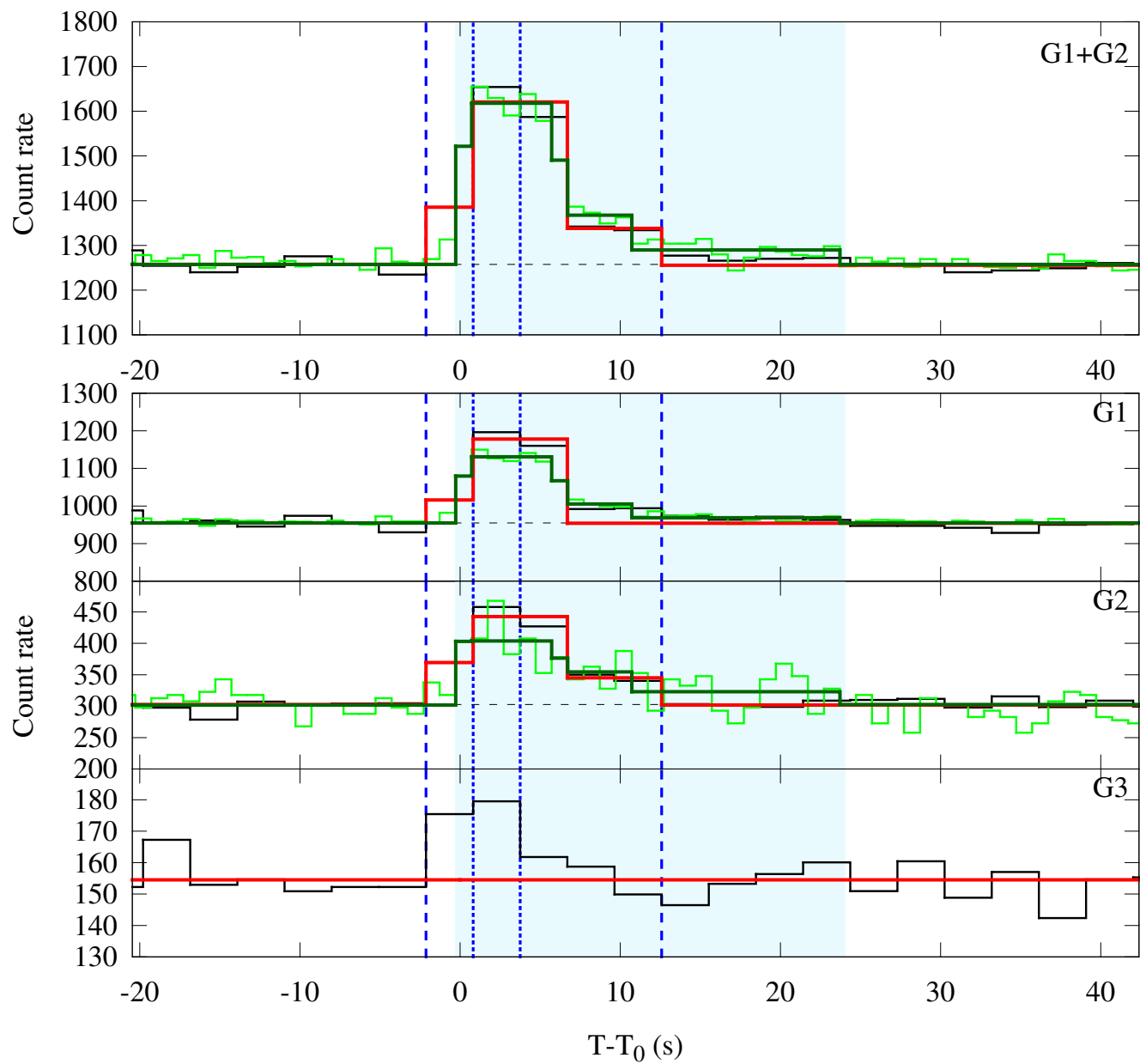GRB 141225A T_0 = 82867.03472 s S2 (z=0.915)

GRB 141225A

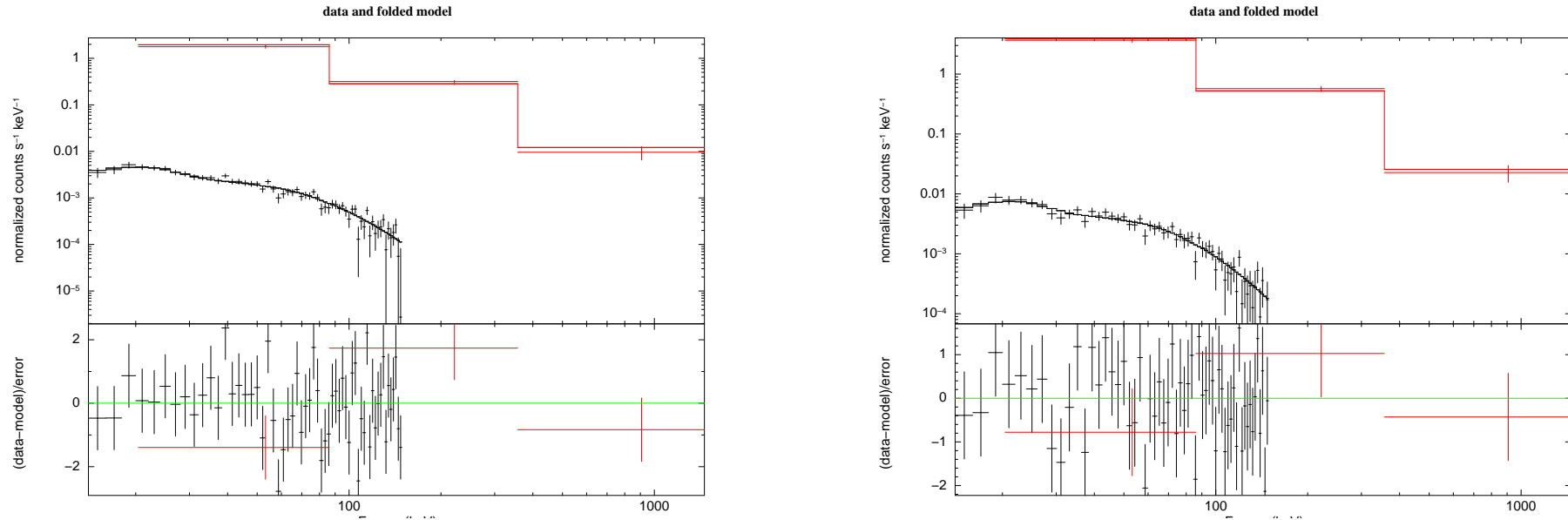Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$2.388\ldots34.772$	**CPL**	$-0.90^{+0.14}_{-0.13}$	$\ldots$	267^{+54}_{-42}	$2.24^{+0.26}_{-0.24}$	$54.1/59(0.66)$
Peak	$5.332\ldots14.164$	**CPL**	$-0.52^{+0.19}_{-0.17}$	$\ldots$	292^{+49}_{-40}	$4.15^{+0.50}_{-0.47}$	$63.7/59(0.31)$

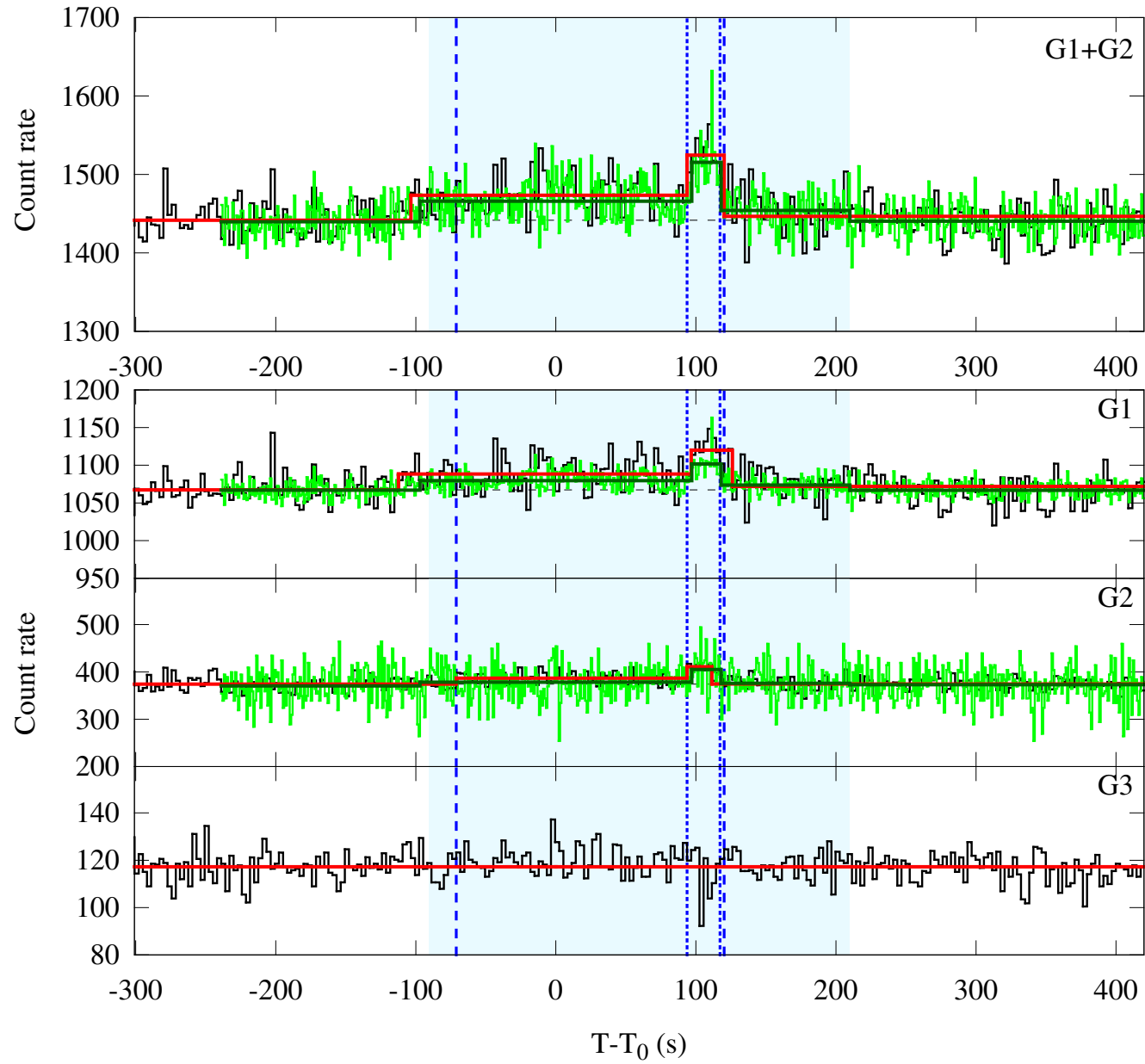GRB 150301B $T_0 = 70684.02758$ s S1 (z=1.5169)

GRB 150301B

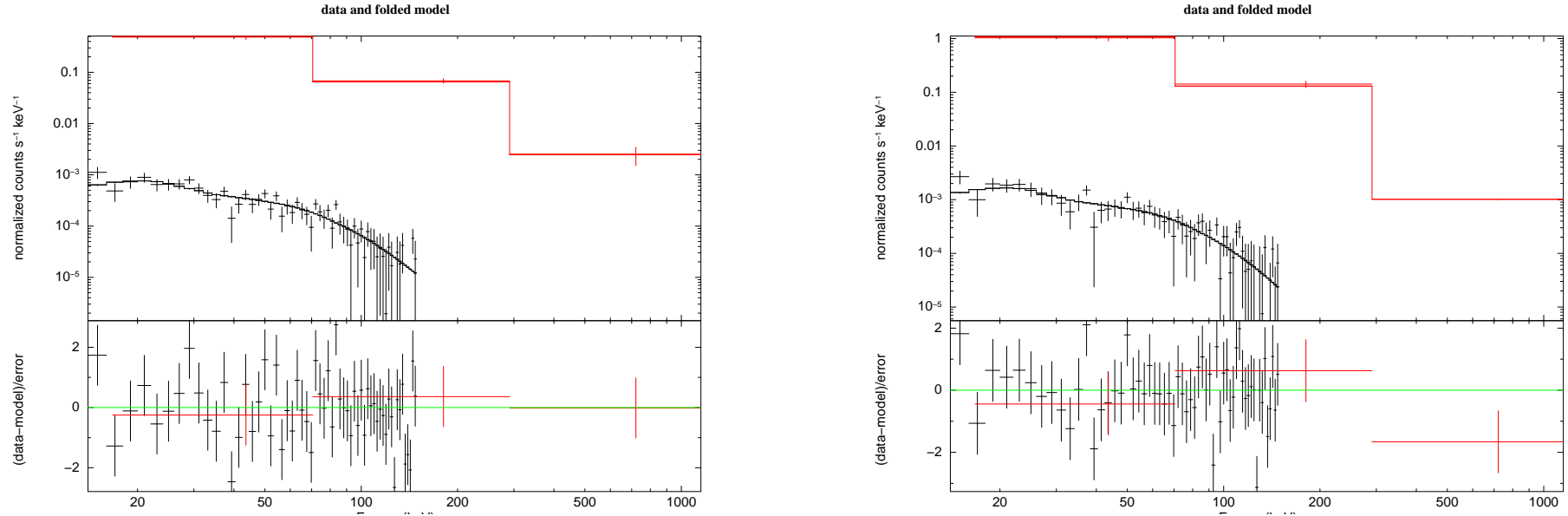Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$-2.134\ldots12.586$	**CPL**	$\mathbf{-1.30^{+0.06}_{-0.06}}$	$\ldots$	$\mathbf{381^{+122}_{-81}}$	$\mathbf{3.52^{+0.39}_{-0.36}}$	$\mathbf{69.2/59(0.17)}$
Peak	$0.81\ldots3.754$	**GRBM**	$\mathbf{-0.88^{+0.26}_{-0.22}}$	$\mathbf{-1.87^{+0.13}_{-0.25}}$	$\mathbf{133^{+65}_{-34}}$	$\mathbf{7.07^{+0.87}_{-0.90}}$	$\mathbf{49.0/58(0.79)}$
		CPL	$-1.20^{+0.10}_{-0.09}$	$\ldots$	302^{+118}_{-77}	$6.28^{+1.01}_{-0.93}$	$51.6/59(0.74)$

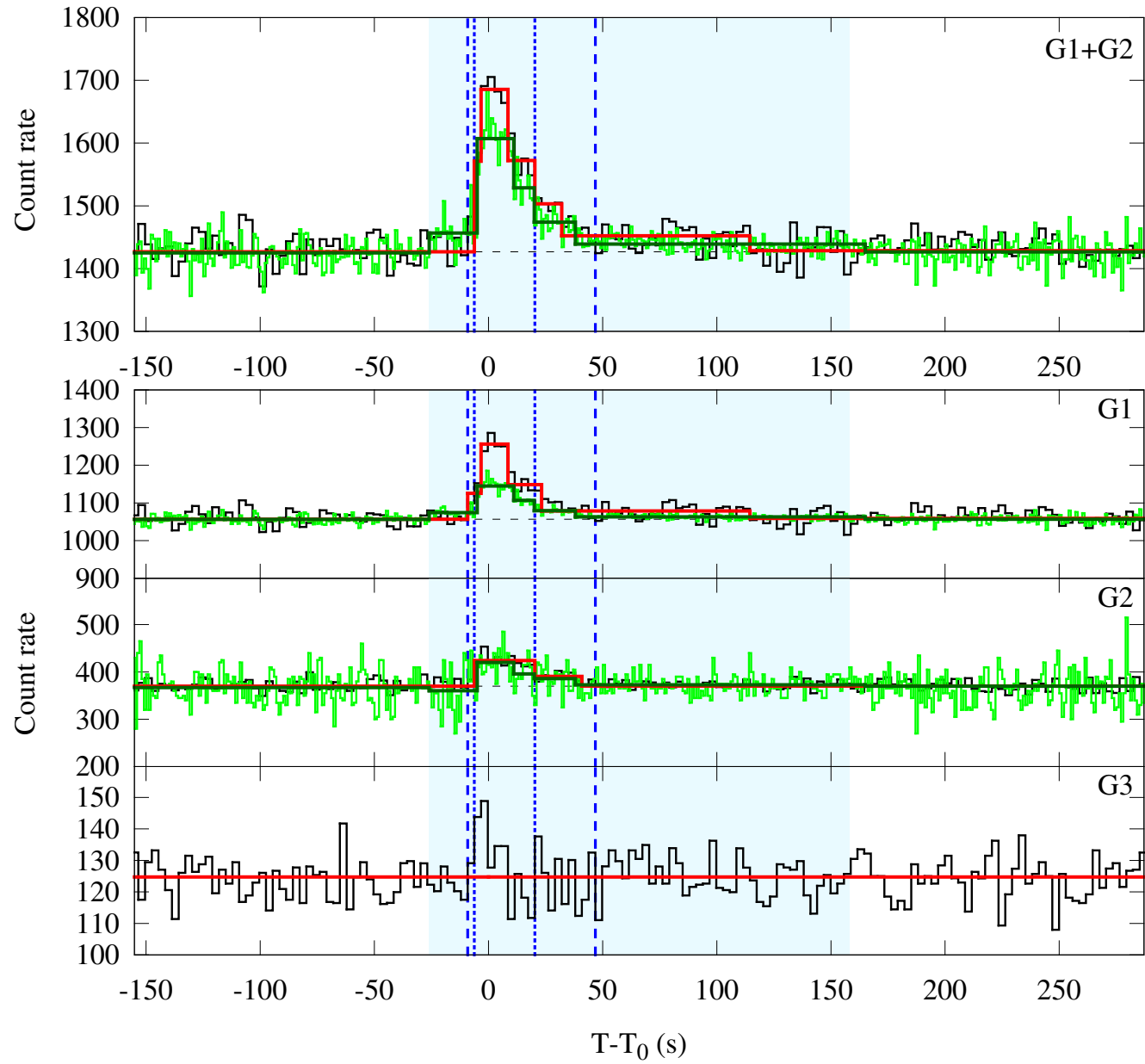GRB 150413A T_0 = 50098.55912 s S2 (z=3.139)

GRB 150413A

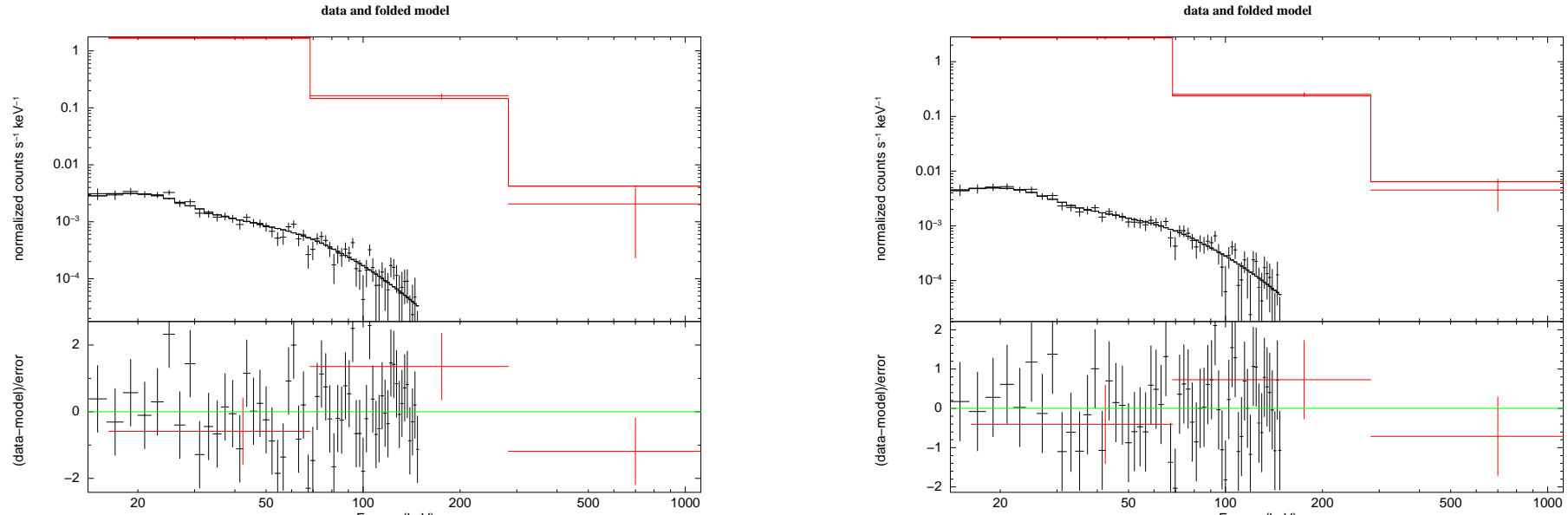Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-71.154\ldots120.206$	**GRBM**	$\mathbf{-1.12^{+0.31}_{-0.28}}$	$\mathbf{-2.11^{+0.20}_{-0.71}}$	$\mathbf{111^{+83}_{-27}}$	$\mathbf{0.51^{+0.08}_{-0.09}}$	$\mathbf{68.0/58(0.17)}$
		CPL	$-1.38^{+0.17}_{-0.13}$	$\ldots$	201^{+116}_{-61}	$0.47^{+0.09}_{-0.08}$	$69.1/59(0.17)$
Peak	$93.71\ldots117.262$	**CPL**	$\mathbf{-1.01^{+0.31}_{-0.25}}$	$\ldots$	$\mathbf{99^{+24}_{-16}}$	$\mathbf{0.70^{+0.10}_{-0.08}}$	$\mathbf{59.4/59(0.46)}$

GRB 150818A T_0 = 41792.92572 s S2 (z=0.282)

GRB 150818A

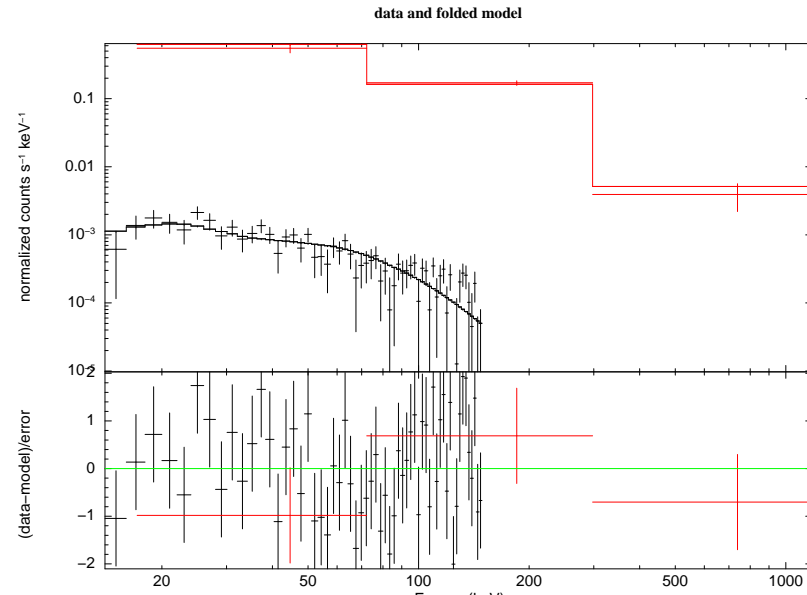Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$-9.14\ldots46.796$	**CPL**	$\mathbf{-1.77^{+0.09}_{-0.08}}$	$\ldots$	$\mathbf{111^{+53}_{-26}}$	$\mathbf{1.05^{+0.13}_{-0.11}}$	$\mathbf{68.2/59(0.19)}$
Peak	$-6.196\ldots20.3$	**CPL**	$\mathbf{-1.73^{+0.10}_{-0.09}}$	$\ldots$	$\mathbf{109^{+41}_{-22}}$	$\mathbf{1.67^{+0.20}_{-0.16}}$	$\mathbf{46.2/59(0.89)}$

GRB 150910A T_0 = 32688.885620 s S2 (z=1.359)
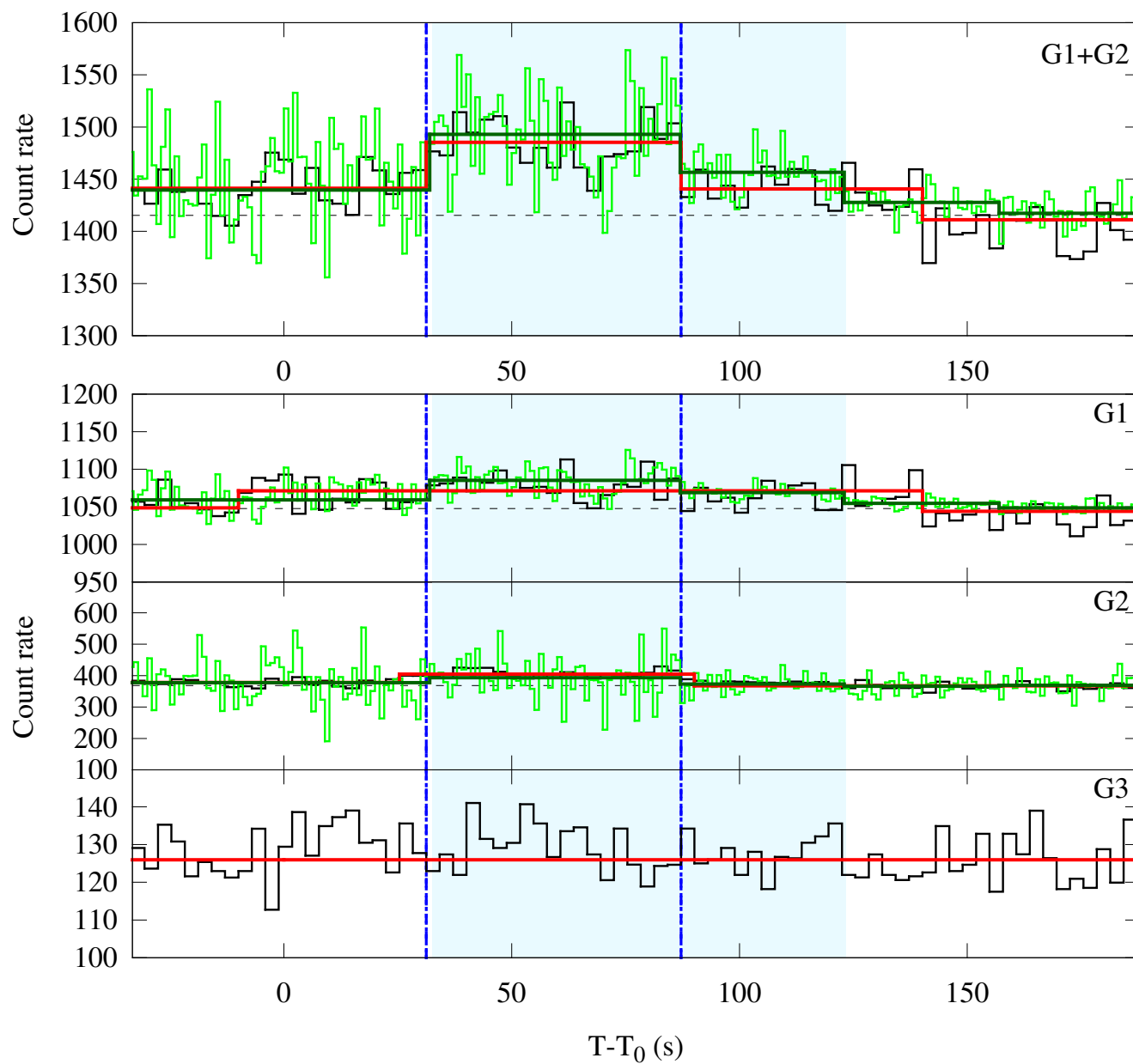
GRB 150910A

Xspec spectral fits of the time-integrated (left).

Fit model parameters
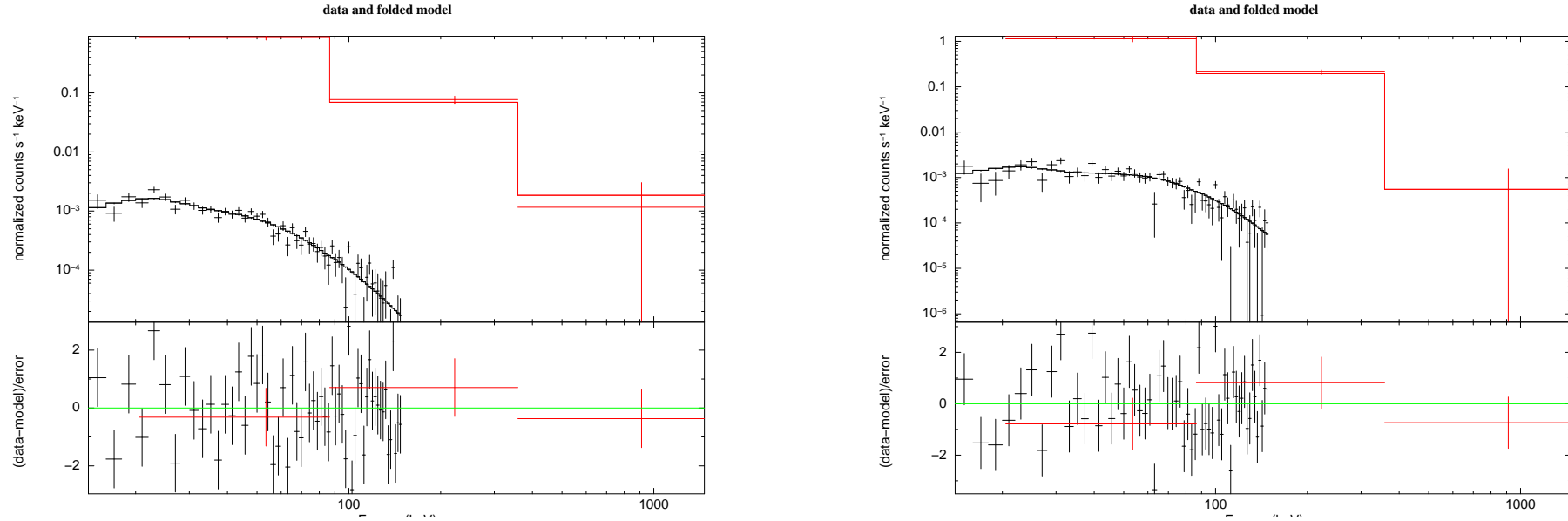
Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$31.242\ldots 87.178$	**CPL**	$\mathbf{-0.94^{+0.15}_{-0.13}}$	...	$\mathbf{227^{+48}_{-37}}$	$\mathbf{1.21^{+0.15}_{-0.13}}$	$\mathbf{62.8/59(0.34)}$

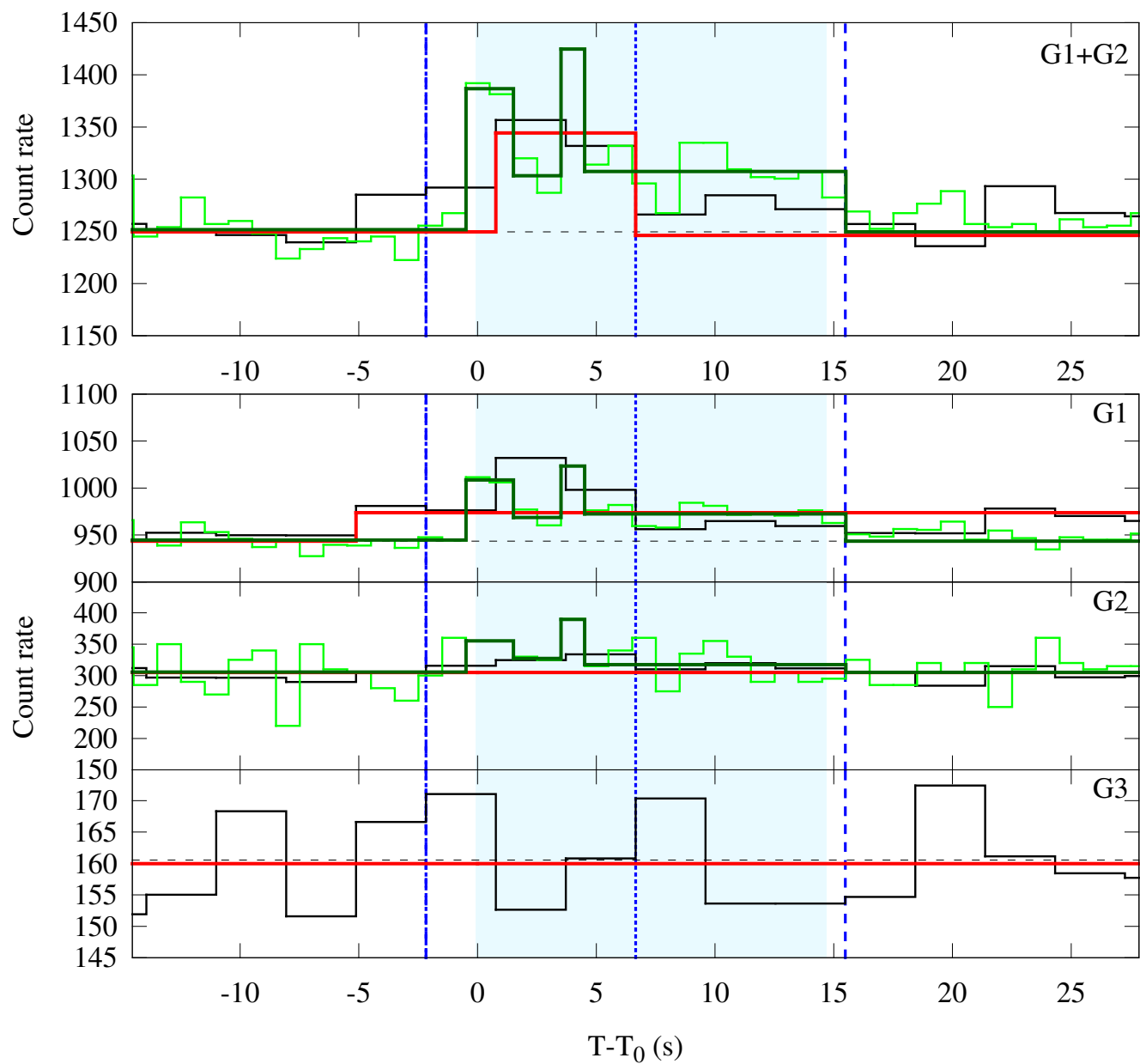GRB 151111A T_0 = 30803.41718 s S1 (z=3.5)

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GRB 151111A

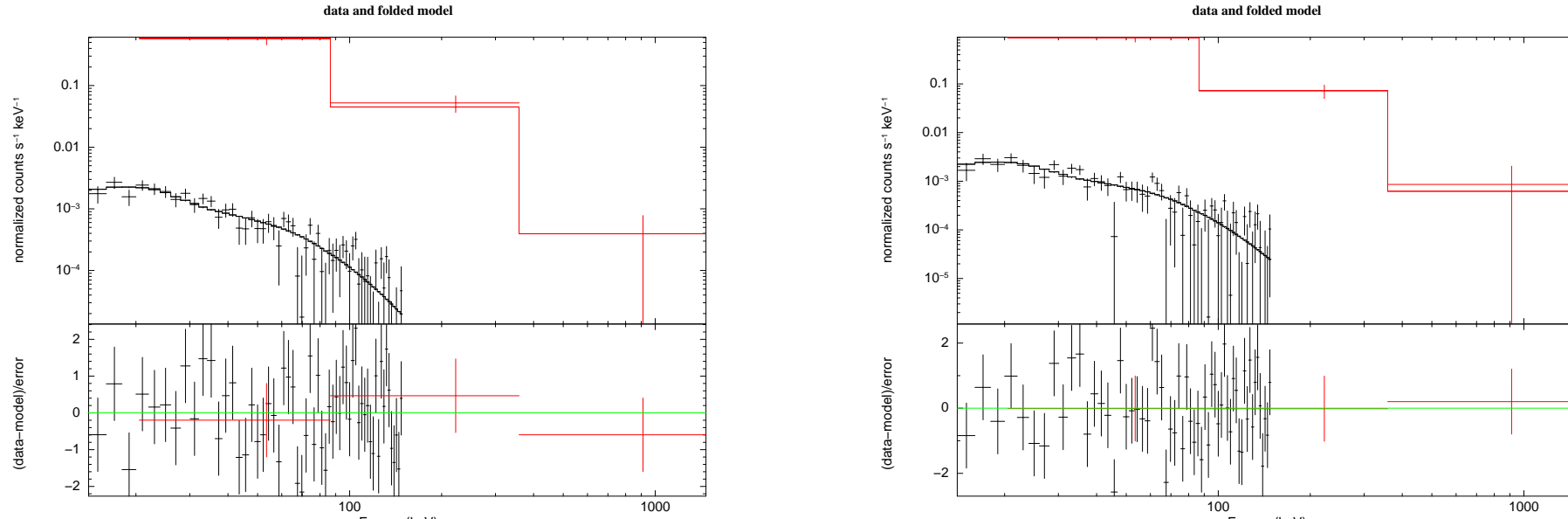Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-4.583\ldots33.689$	**GRBM**	$\mathbf{0.57^{+0.57}_{-0.48}}$	$\mathbf{-2.23^{+0.12}_{-0.14}}$	$\mathbf{50^{+5}_{-4}}$	$\mathbf{0.86^{+0.10}_{-0.09}}$	$\mathbf{91.8/58(0.0031)}$
		CPL	$-0.52^{+0.24}_{-0.23}$	$\ldots$	69^{+6}_{-5}	$0.57^{+0.04}_{-0.03}$	$102.9/59(0.00035)$
Peak	$-4.583\ldots4.249$	**CPL**	$\mathbf{-0.20^{+0.25}_{-0.22}}$	$\ldots$	$\mathbf{125^{+19}_{-14}}$	$\mathbf{1.38^{+0.17}_{-0.14}}$	$\mathbf{99.4/59(0.00078)}$

GRB 151112A T_0 = 49488.08358 s S1 (z=4.1)

GRB 151112A

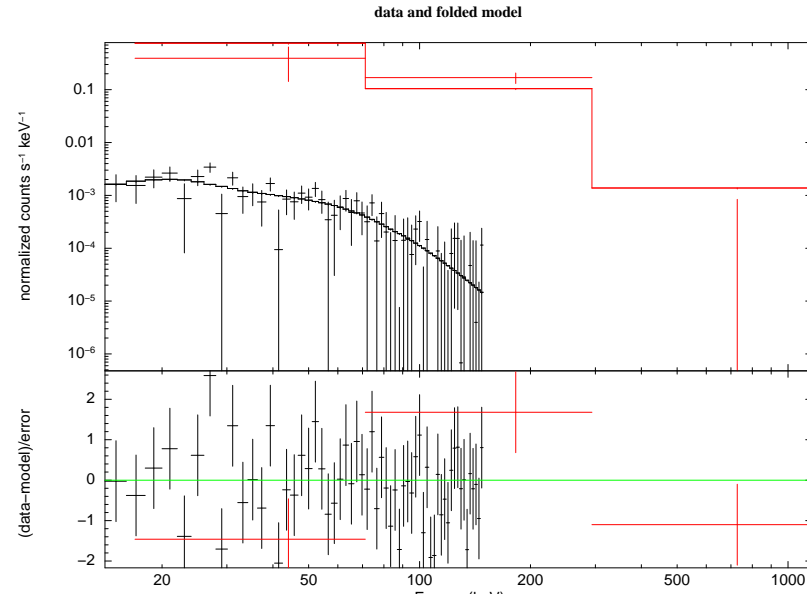Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	$\chi^2/$dof (Prob.)
Time-integrated	$-2.174\ldots15.49$	**CPL**	$-1.60^{+0.25}_{-0.18}$	$\ldots$	82^{+47}_{-22}	$0.47^{+0.11}_{-0.08}$	$61.7/59(0.38)$
Peak	$-2.174\ldots6.658$	**CPL**	$-1.51^{+0.36}_{-0.22}$	$\ldots$	93^{+59}_{-28}	$0.73^{+0.18}_{-0.15}$	$68.1/59(0.2)$

GRB 151215A $T_0 = 10888.95704$ s S2 (z=2.59)
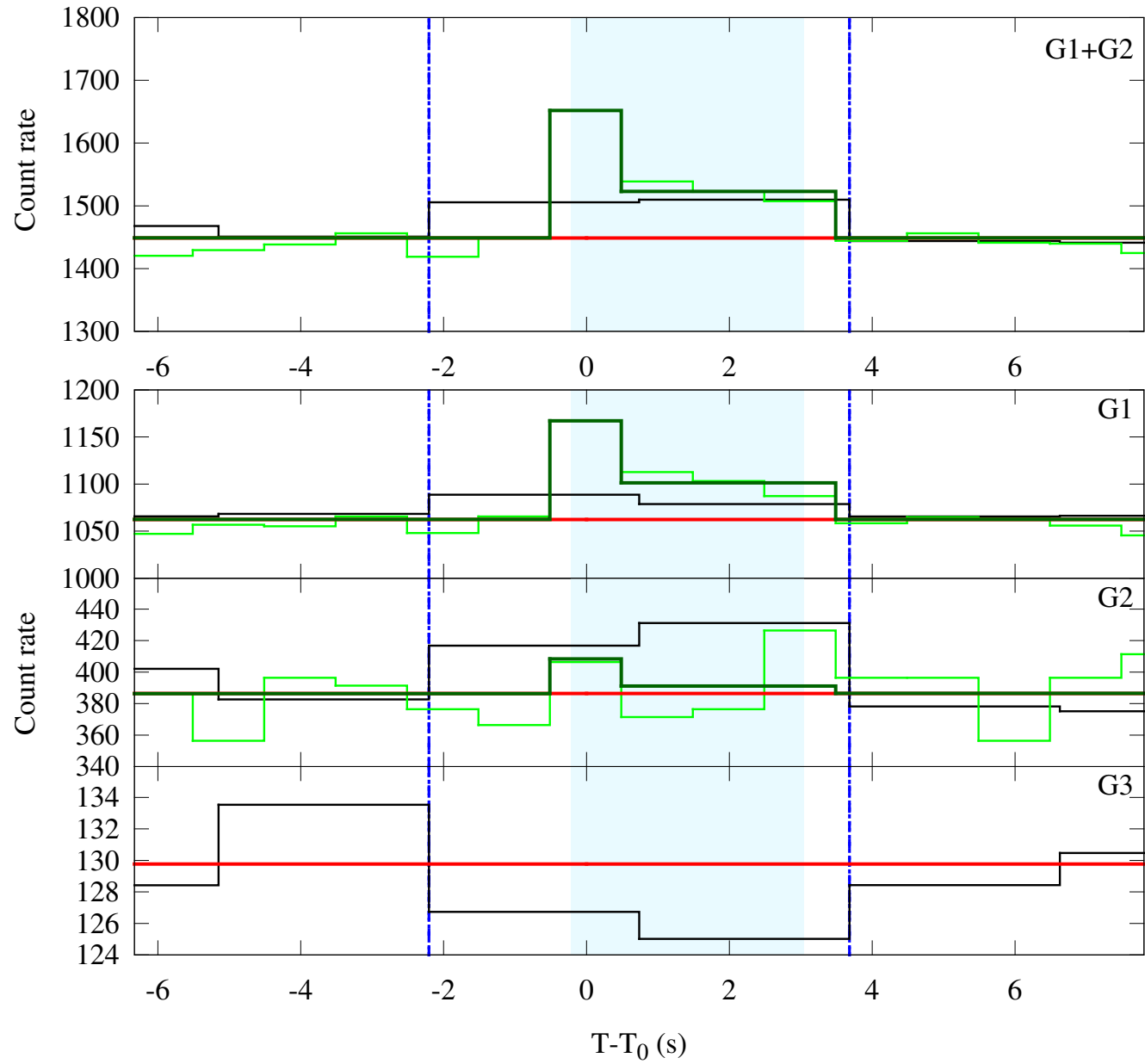
GRB 151215A

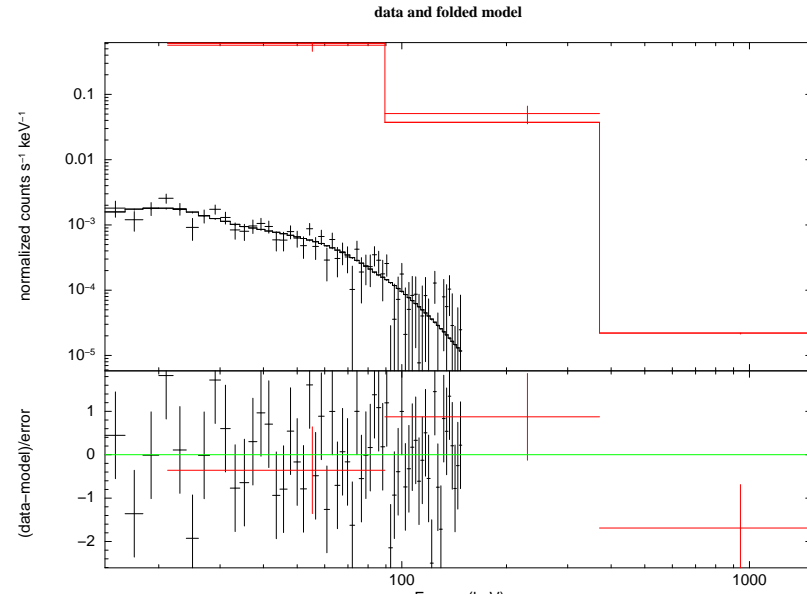Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-2.206\ldots3.682$	**GRBM**	$\mathbf{-0.59^{+0.77}_{-0.71}}$	$\mathbf{-2.90^{+0.67}_{-7.10}}$	$\mathbf{65^{+24}_{-13}}$	$\mathbf{0.96^{+0.36}_{-0.22}}$	$\mathbf{58.4/58(0.46)}$
		CPL	$-0.78^{+0.70}_{-0.54}$	$\ldots$	70^{+31}_{-13}	$0.85^{+0.23}_{-0.13}$	$58.5/59(0.49)$

GRB 160121A T_0 = 49837.7107 s S1 (z=1.960)
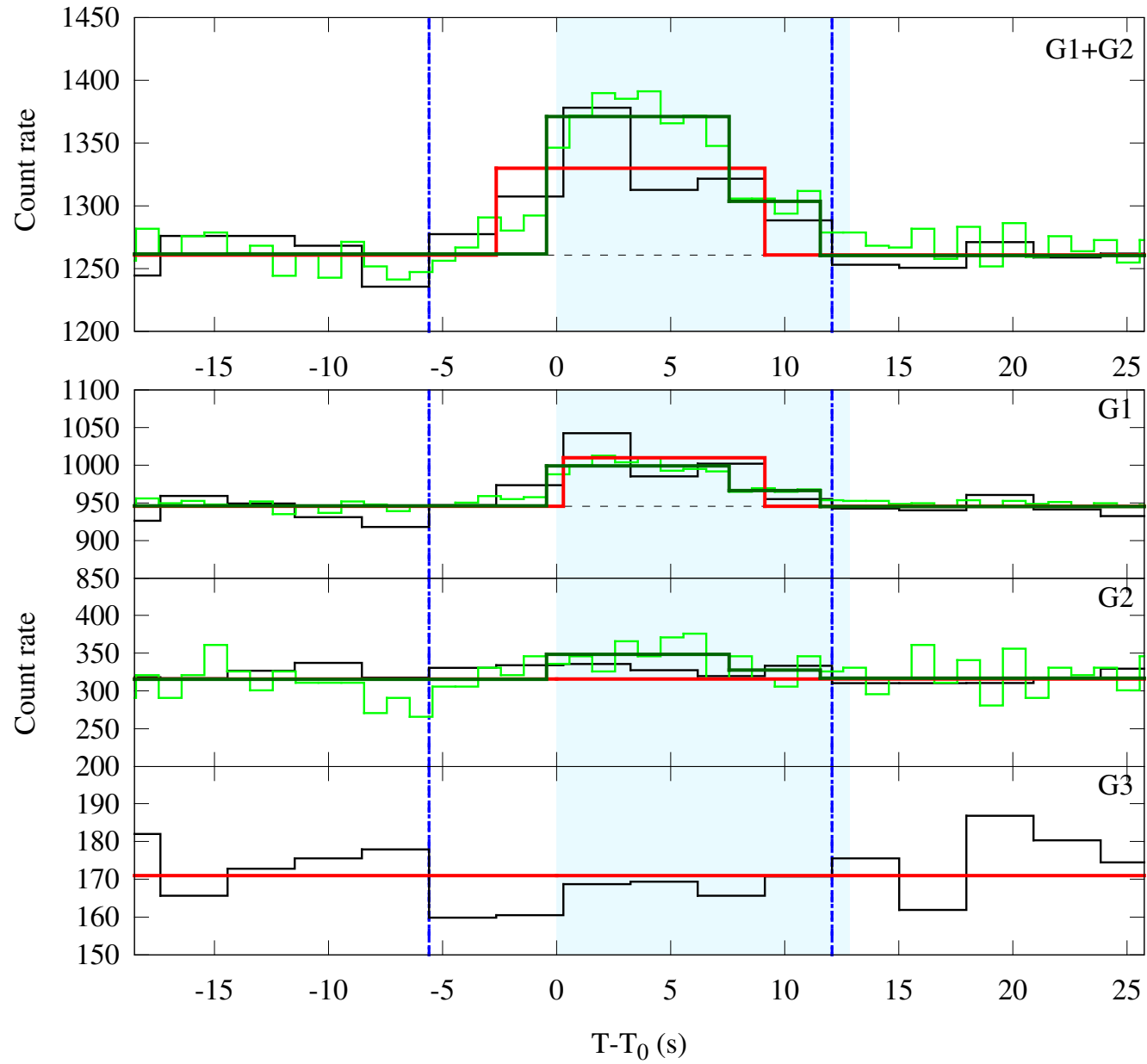
GRB 160121A

data and folded model

Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-5.595\ldots12.069$	**CPL**	$\mathbf{-0.88^{+0.37}_{-0.32}}$	$\ldots$	$\mathbf{68^{+15}_{-9}}$	$\mathbf{0.43^{+0.06}_{-0.05}}$	$\mathbf{60.2/59(0.43)}$

GRB 160227A T_0 = 70328.09604 s S2 (z=2.38)
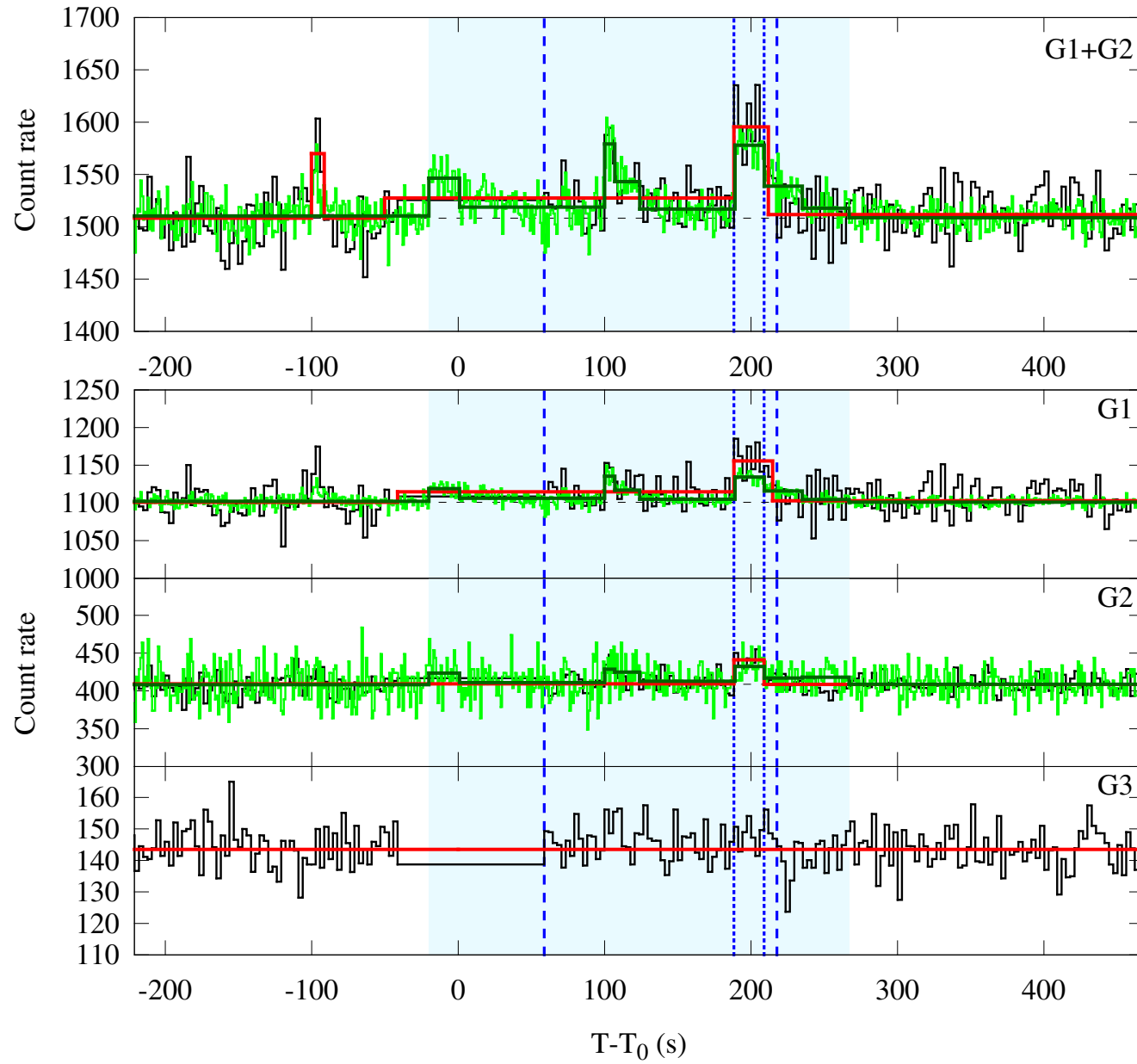
GRB 160227A
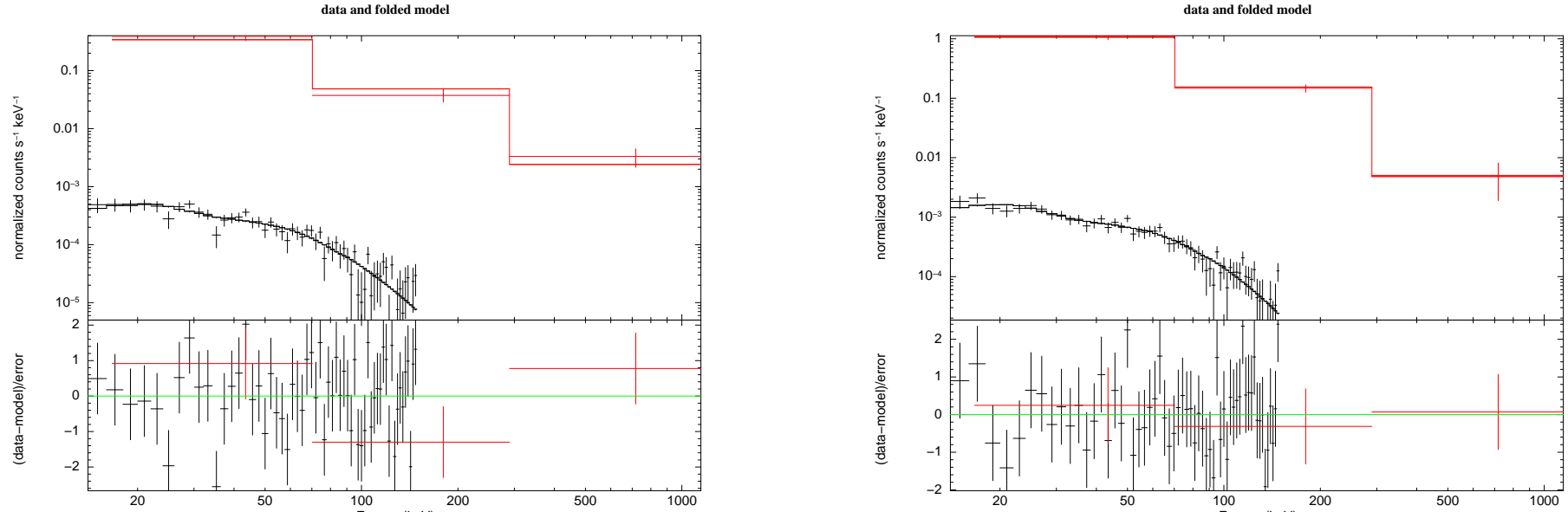
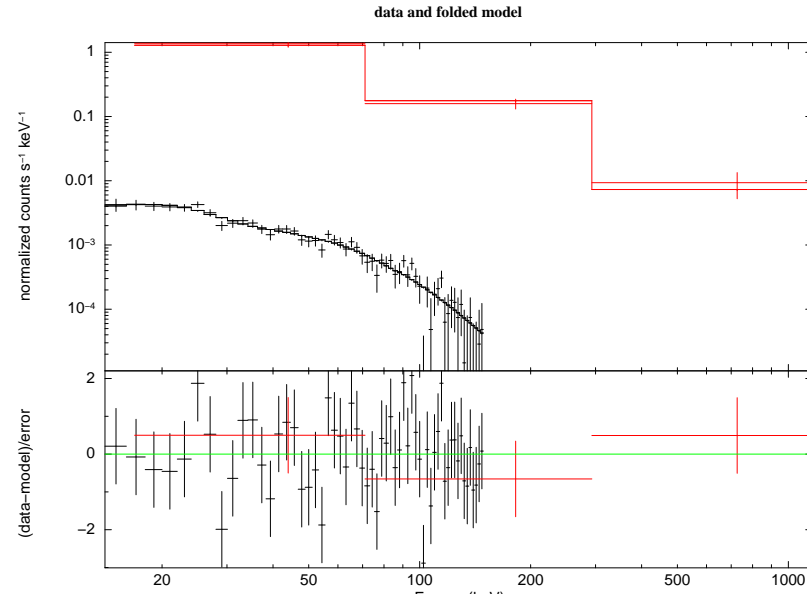Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$58.723\ldots217.699$	**GRBM**	$\mathbf{-0.65^{+0.75}_{-0.35}}$	$\mathbf{-1.91^{+0.19}_{-0.30}}$	$\mathbf{83^{+31}_{-27}}$	$\mathbf{0.43^{+0.10}_{-0.10}}$	$\mathbf{62.5/58(0.32)}$
		CPL	$-0.84^{+0.34}_{-0.39}$	$\ldots$	101^{+81}_{-18}	$0.24^{+0.10}_{-0.03}$	$67.4/59(0.21)$
Peak	$188.259\ldots208.867$	**GRBM**	$\mathbf{-1.03^{+0.29}_{-0.20}}$	$\mathbf{-2.35^{+0.45}_{-7.65}}$	$\mathbf{129^{+64}_{-38}}$	$\mathbf{1.08^{+0.30}_{-0.26}}$	$\mathbf{50.4/58(0.75)}$
		CPL	$-1.13^{+0.20}_{-0.16}$	$\ldots$	155^{+75}_{-39}	$0.92^{+0.23}_{-0.16}$	$50.9/59(0.77)$

GRB 160327A T_0 = 33367.70544 s S2 (z=4.99)
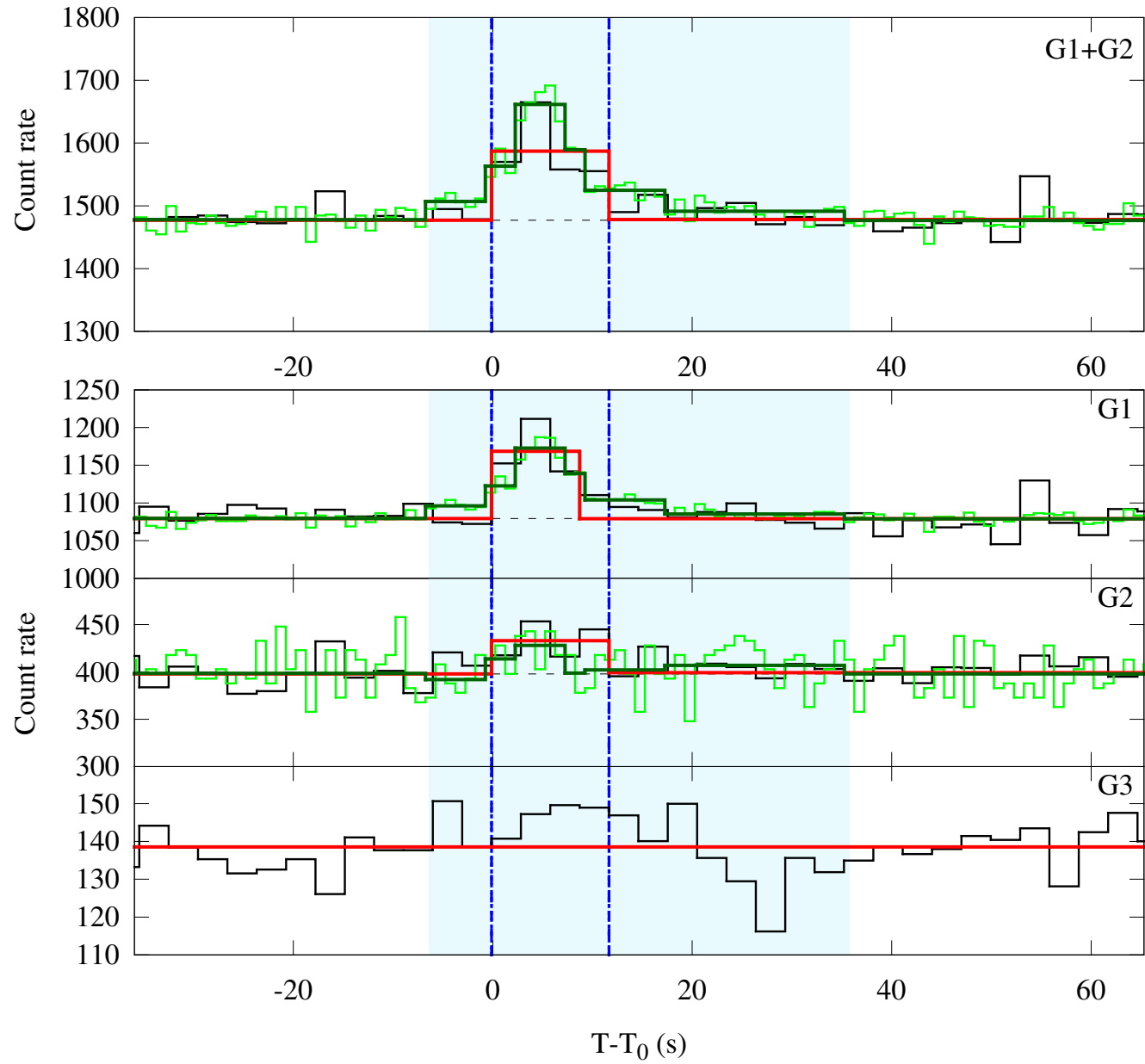
GRB 160327A

data and folded model

Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$-0.114\ldots11.662$	**GRBM**	$\mathbf{-1.40^{+0.30}_{-0.18}}$	$\mathbf{-2.02^{+0.22}_{-0.55}}$	$\mathbf{111^{+90}_{-47}}$	$\mathbf{1.60^{+0.36}_{-0.35}}$	$\mathbf{55.8/58(0.56)}$
		CPL	$-1.54^{+0.19}_{-0.12}$	$\ldots$	185^{+425}_{-80}	$1.38^{+0.52}_{-0.33}$	$57.2/59(0.54)$

GRB 161017A $T_0 = 64311.16998$ s S2 (z=2.013)
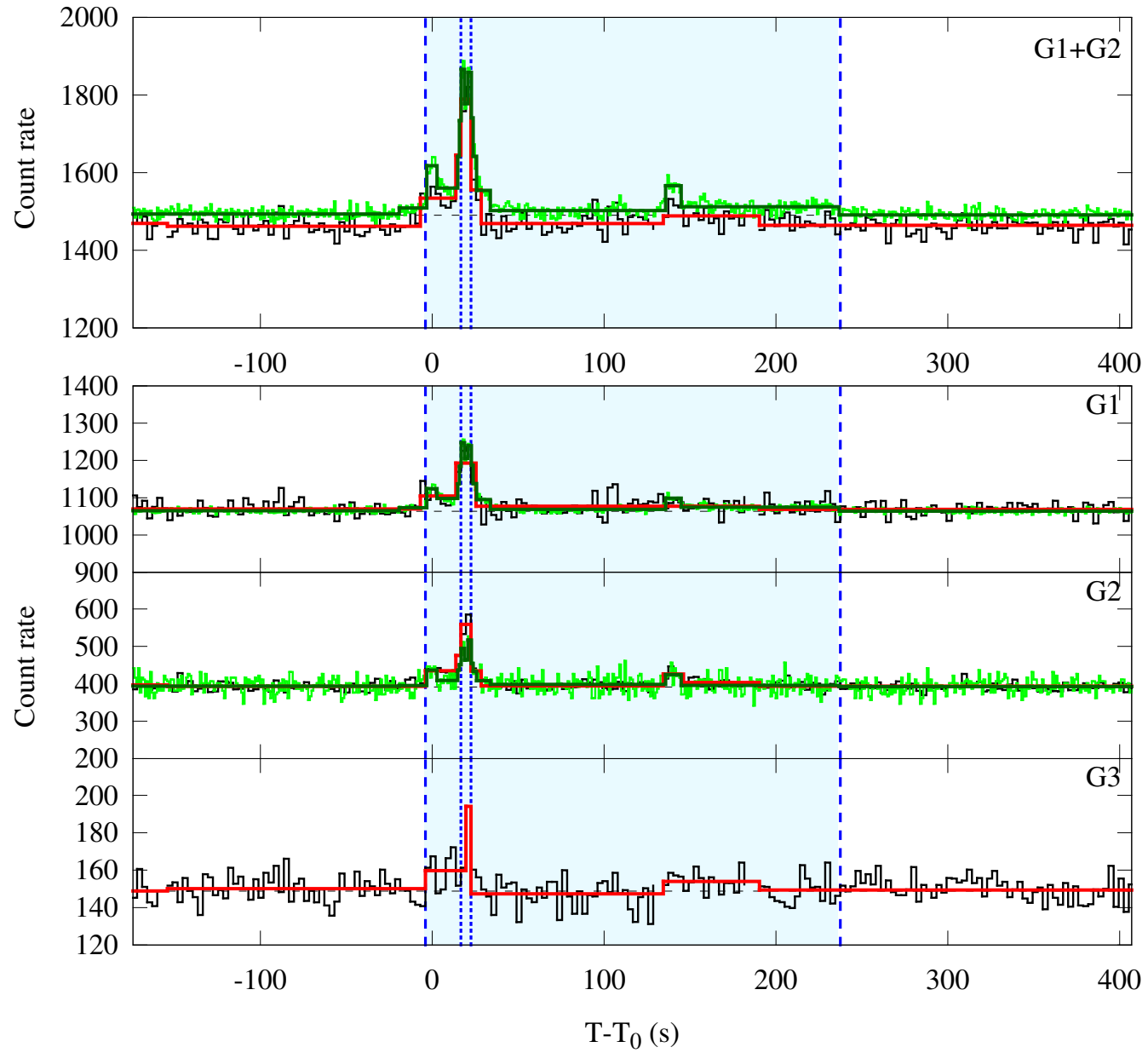
GRB 161017A
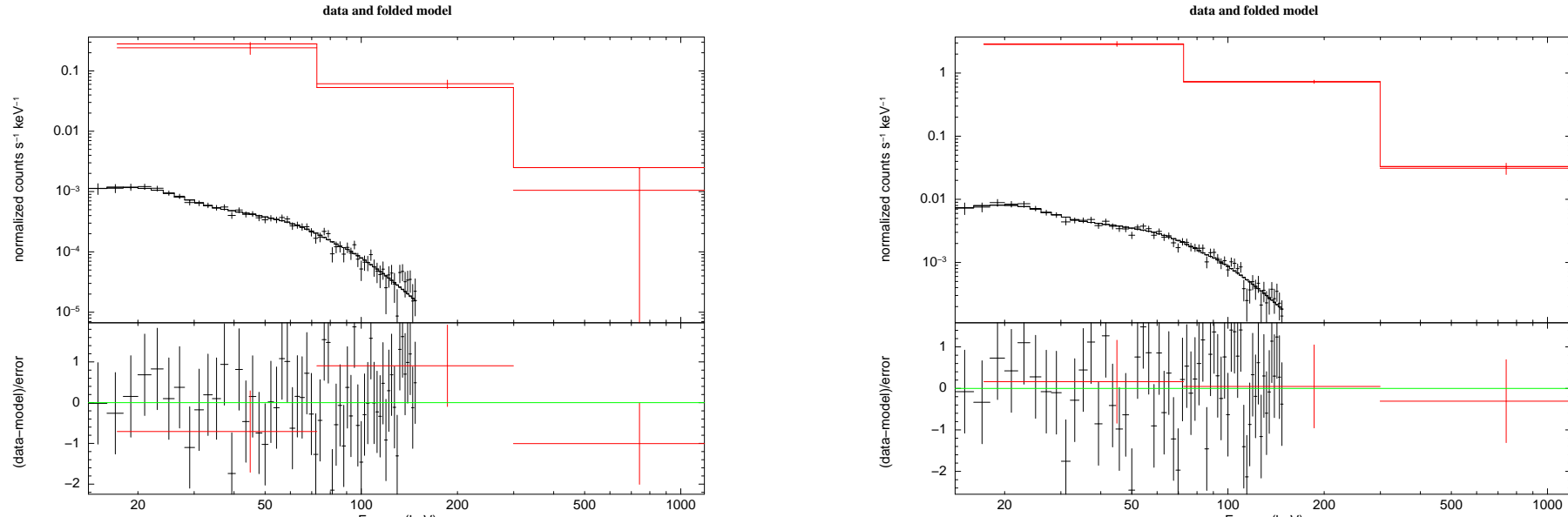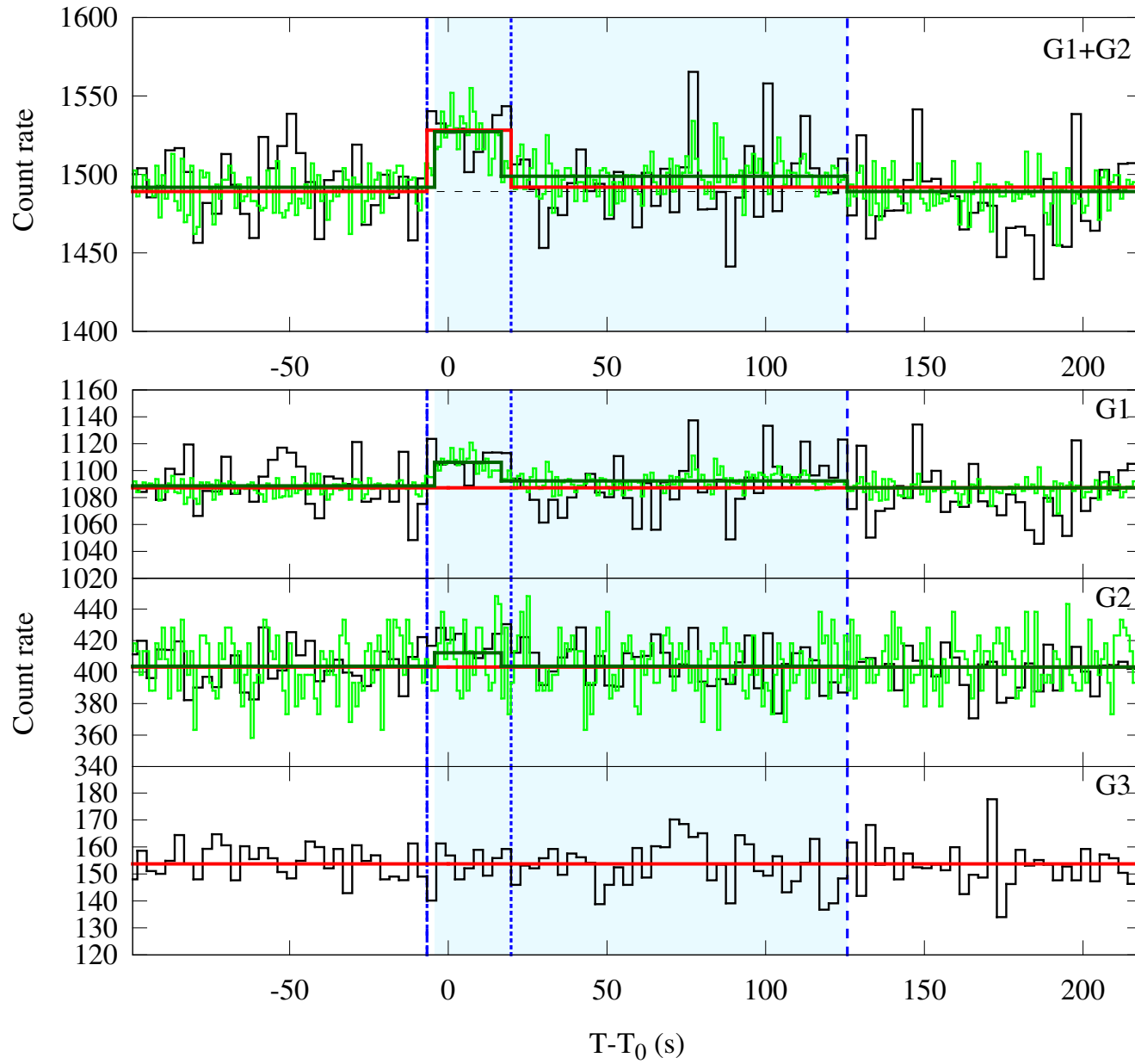

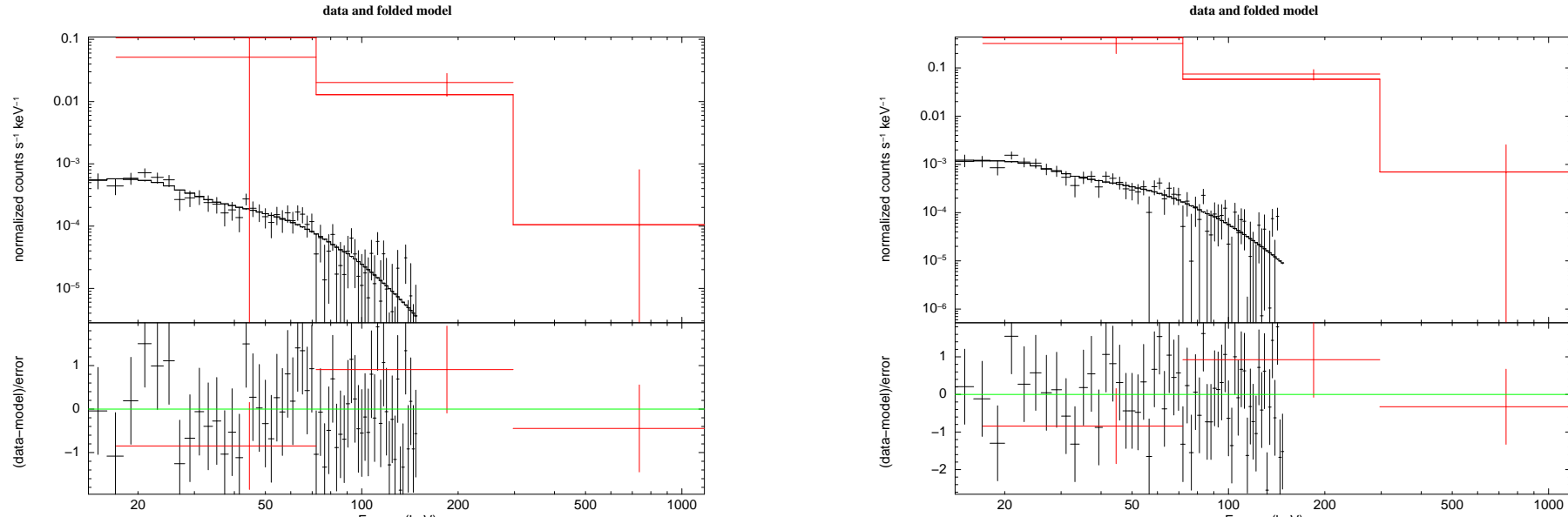Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$-3.926\ldots237.482$	**CPL**	$-1.48^{+0.08}_{-0.07}$	...	359^{+533}_{-145}	$0.53^{+0.13}_{-0.10}$	$46.8/59(0.87)$
Peak	$16.682\ldots22.57$	**CPL**	$-1.12^{+0.06}_{-0.06}$	...	314^{+62}_{-48}	$6.62^{+0.66}_{-0.61}$	$54.7/59(0.63)$

GRB 161108A T_0 = 12753.17714 s S2 (z=1.159)

GRB 161108A

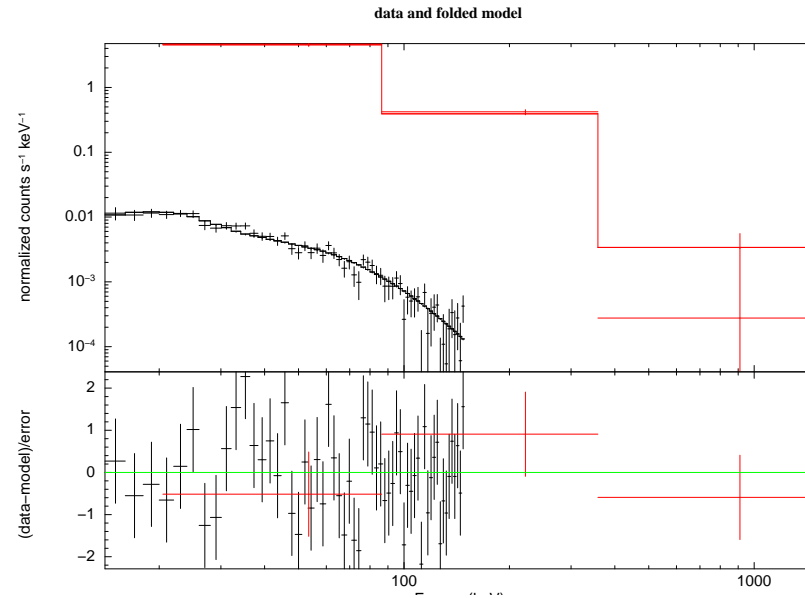Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_p (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$-6.721\ldots125.759$	**CPL**	$\mathbf{-1.42^{+0.36}_{-0.30}}$	...	$\mathbf{76^{+119}_{-19}}$	$\mathbf{0.10^{+0.05}_{-0.02}}$	$\mathbf{46.3/59(0.89)}$
Peak	$-6.721\ldots19.775$	**CPL**	$\mathbf{-1.42^{+0.35}_{-0.26}}$	...	$\mathbf{93^{+117}_{-28}}$	$\mathbf{0.45^{+0.19}_{-0.09}}$	$\mathbf{55.8/59(0.59)}$

GRB 161219B $T_0 = 67719.30826$ s S1 (z=0.1475)
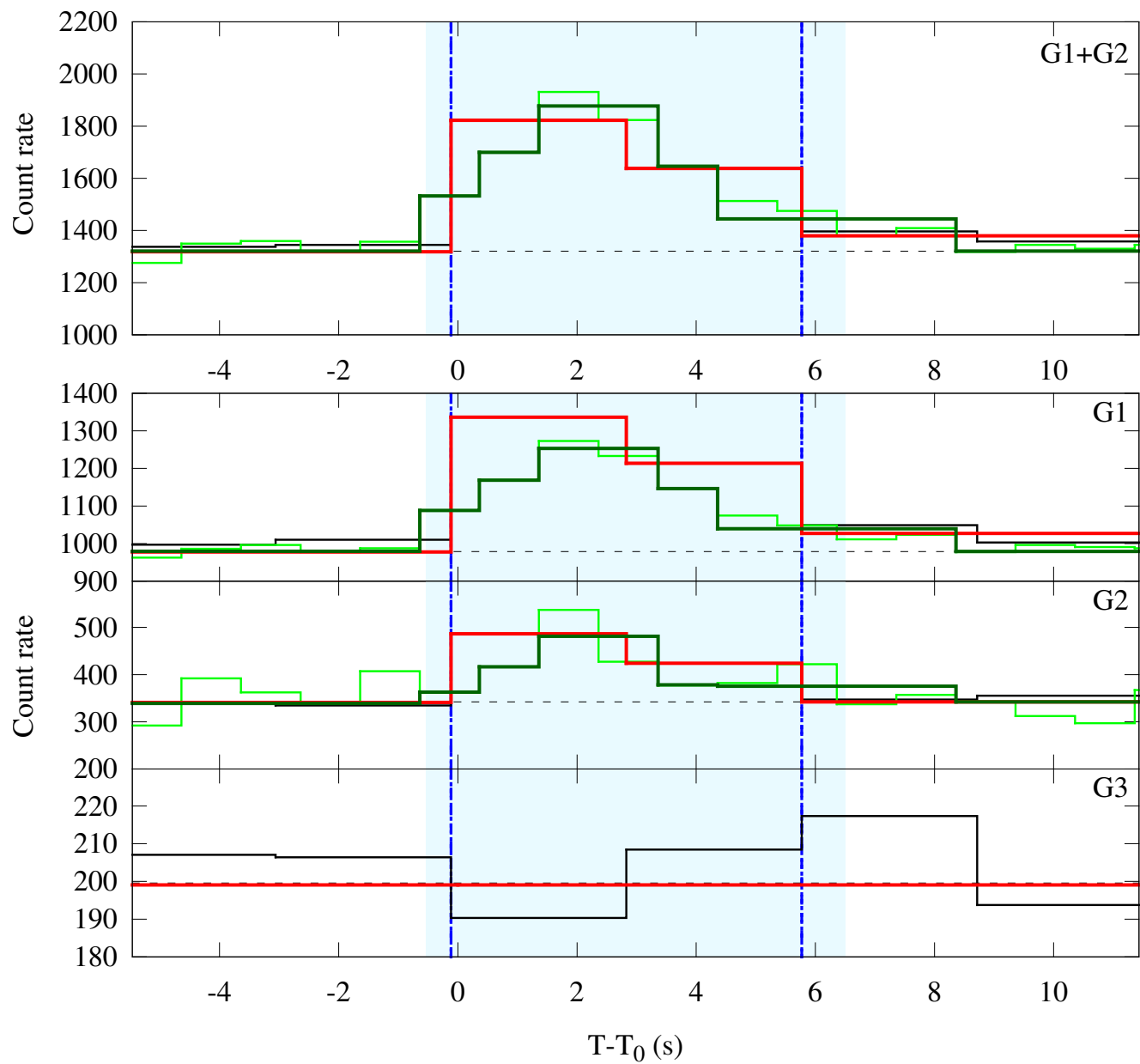
GRB 161219B

Xspec spectral fits of the time-integrated (left).

Fit model parameters
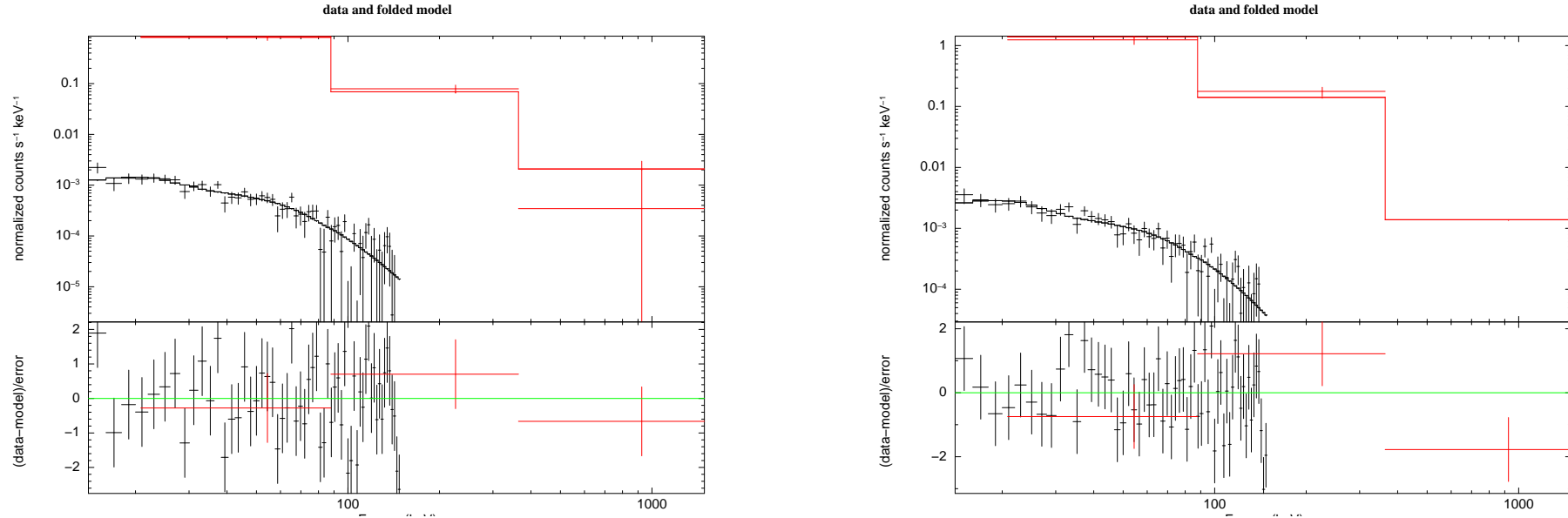
Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$-0.116\ldots5.772$	**CPL**	$\mathbf{-1.51^{+0.13}_{-0.12}}$	$\ldots$	$\mathbf{94^{+19}_{-12}}$	$\mathbf{3.93^{+0.40}_{-0.30}}$	$\mathbf{58.2/59(0.51)}$

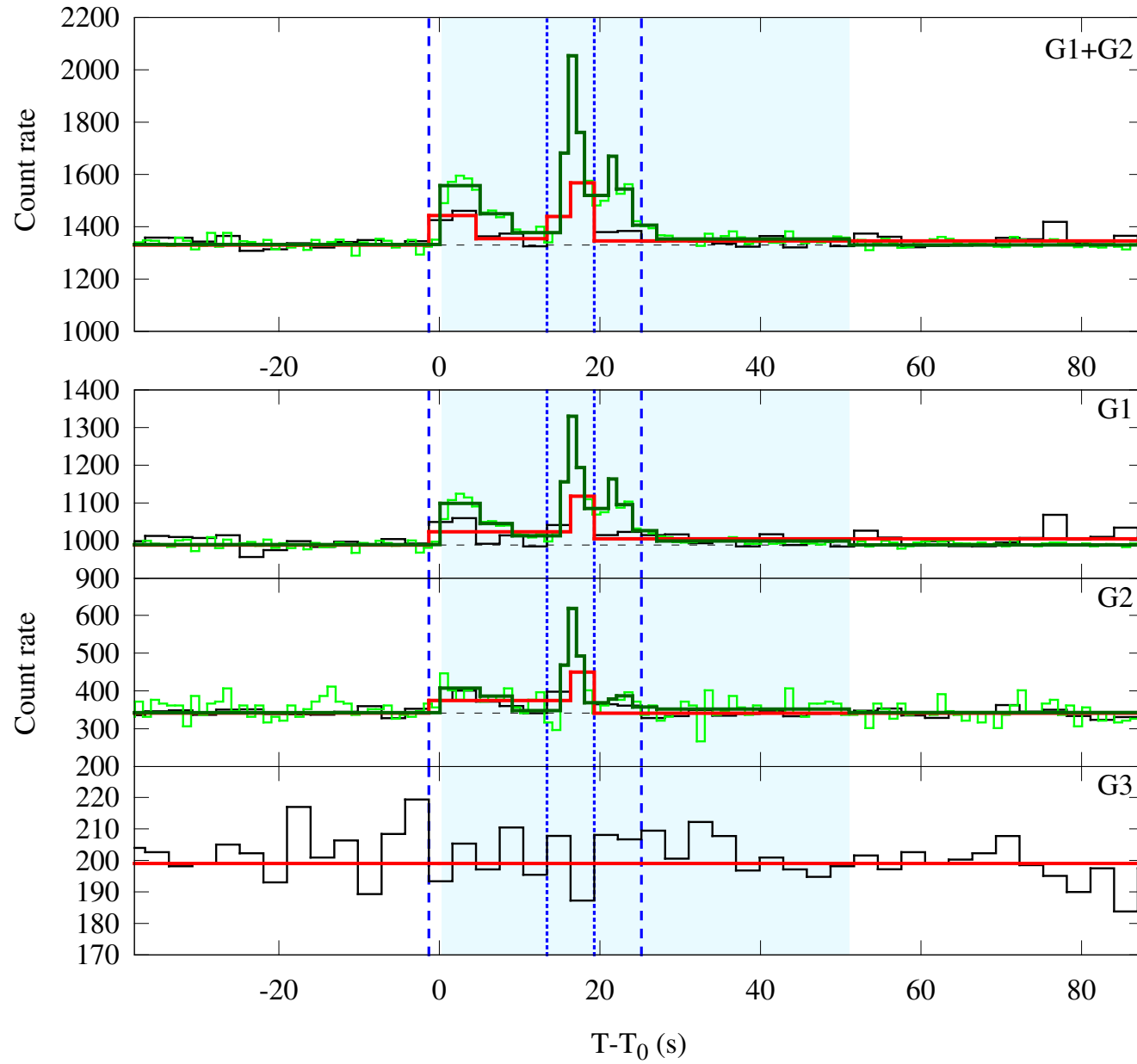GRB 170113A $T_0 = 36245.4822$ s S1 (z=1.968)

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GRB 170113A

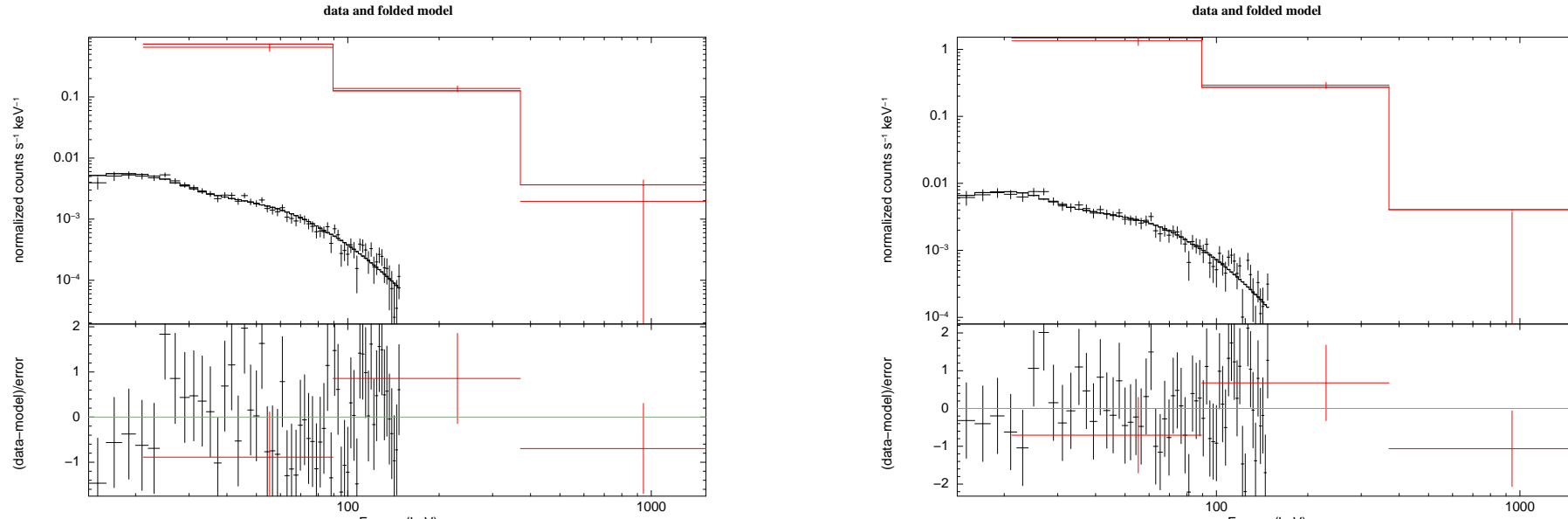Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$-0.162\ldots23.39$	**GRBM**	$\mathbf{-0.77^{+0.69}_{-0.42}}$	$\mathbf{-2.18^{+0.26}_{-7.82}}$	$\mathbf{73^{+35}_{-20}}$	$\mathbf{0.90^{+0.23}_{-0.29}}$	$\mathbf{71.1/58(0.12)}$
		CPL	$-1.06^{+0.29}_{-0.25}$	$\ldots$	94^{+33}_{-17}	$0.66^{+0.13}_{-0.08}$	$71.8/59(0.12)$
Peak	$-0.162\ldots5.726$	**CPL**	$\mathbf{-1.16^{+0.23}_{-0.18}}$	$\ldots$	$\mathbf{134^{+59}_{-32}}$	$\mathbf{1.35^{+0.31}_{-0.21}}$	$\mathbf{65.9/59(0.25)}$

GRB 170202A T_0 = 66482.37338 s S1 (z=3.645)

GRB 170202A

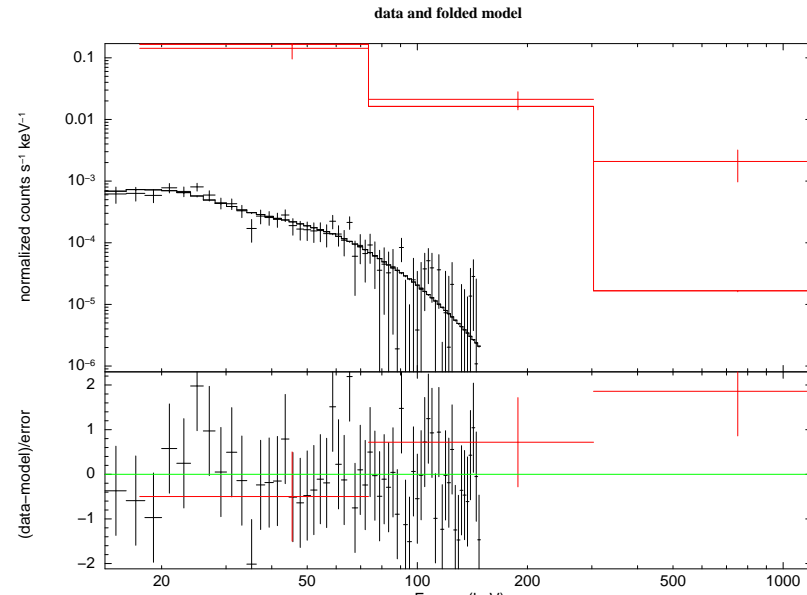Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-1.32\ldots25.176$	**CPL**	$-1.49^{+0.08}_{-0.07}$	$\ldots$	232^{+125}_{-64}	$2.19^{+0.35}_{-0.29}$	$57.5/59(0.53)$
Peak	$13.4\ldots19.288$	**CPL**	$-1.13^{+0.12}_{-0.11}$	$\ldots$	170^{+44}_{-29}	$3.88^{+0.55}_{-0.44}$	$56.3/59(0.58)$

GRB 170531B T_0 = 79329.20566 s S2 (z=2.366)
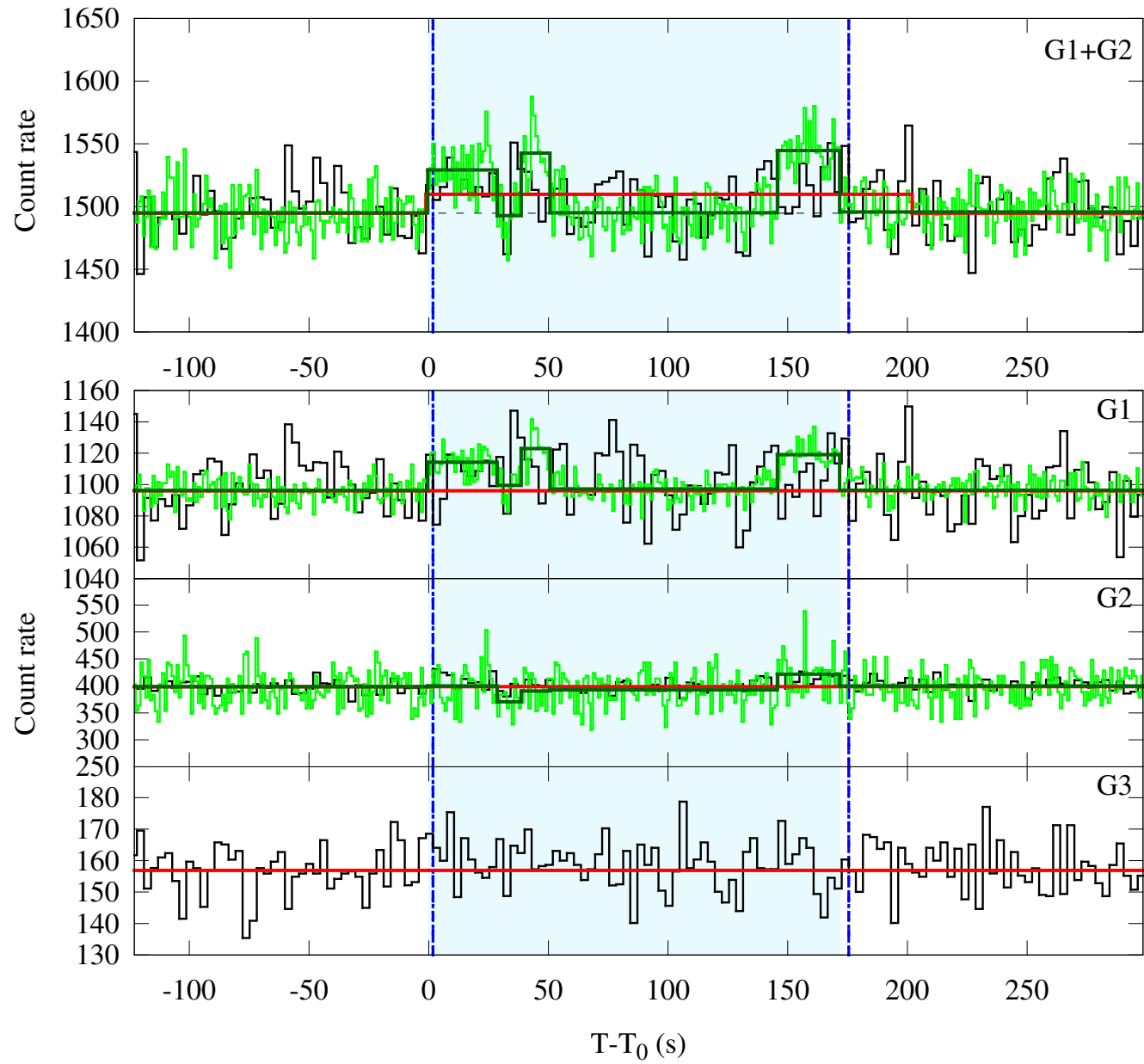
GRB 170531B

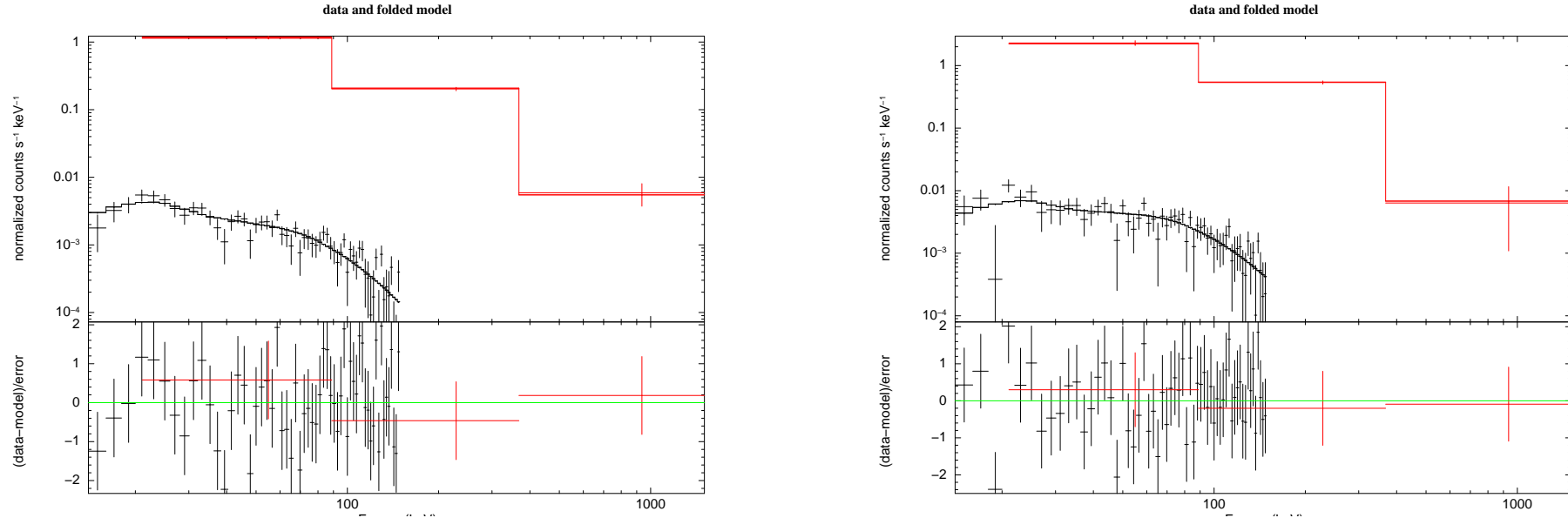Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	$\chi^2/$dof (Prob.)
Time-integrated	$1.795\ldots175.491$	**CPL**	$-1.18^{+0.41}_{-0.38}$	$\ldots$	47^{+9}_{-6}	$0.20^{+0.03}_{-0.02}$	$46.8/59(0.88)$

GRB 170604A T_0 = 68930.40204 s S1 (z=1.329)
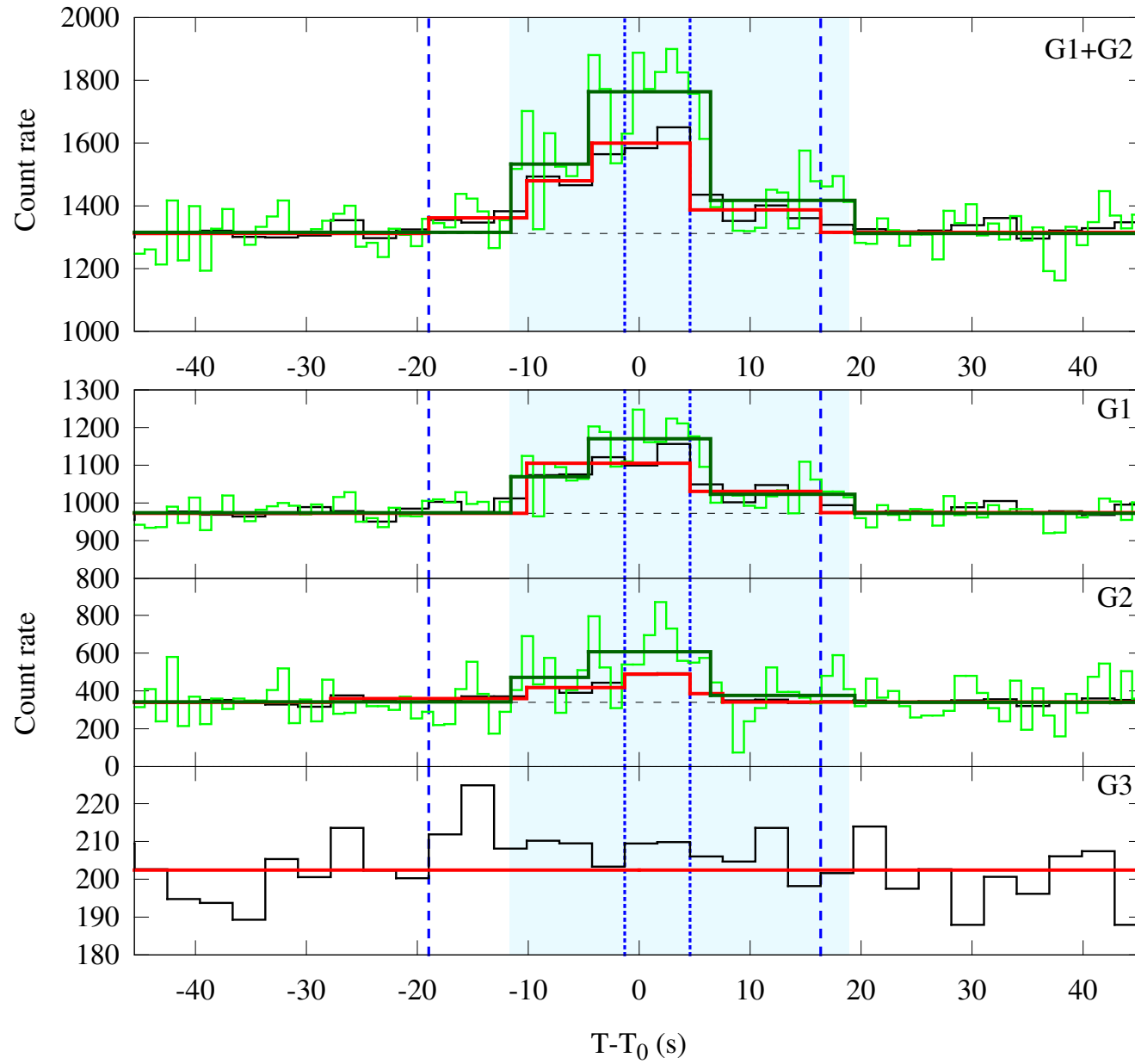
GRB 170604A

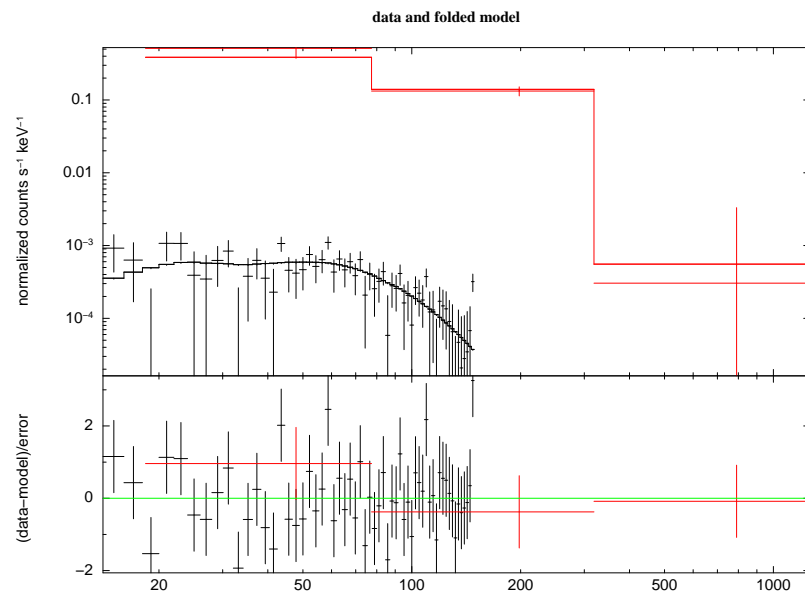Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_p (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$-18.973\ldots16.355$	**GRBM**	$\mathbf{-1.03^{+0.21}_{-0.18}}$	$\mathbf{-2.44^{+0.29}_{-0.76}}$	$\mathbf{150^{+39}_{-26}}$	$\mathbf{3.31^{+0.36}_{-0.36}}$	$\mathbf{60.9/58(0.37)}$
		CPL	$-1.17^{+0.16}_{-0.13}$	$\ldots$	188^{+50}_{-33}	$3.04^{+0.37}_{-0.30}$	$62.4/59(0.36)$
Peak	$-1.309\ldots4.579$	**CPL**	$\mathbf{-0.64^{+0.23}_{-0.19}}$	$\ldots$	$\mathbf{183^{+32}_{-24}}$	$\mathbf{6.65^{+0.71}_{-0.61}}$	$\mathbf{48.5/59(0.83)}$

GRB 171020A T_0 = 83230.75176 s S2 (z=1.87)
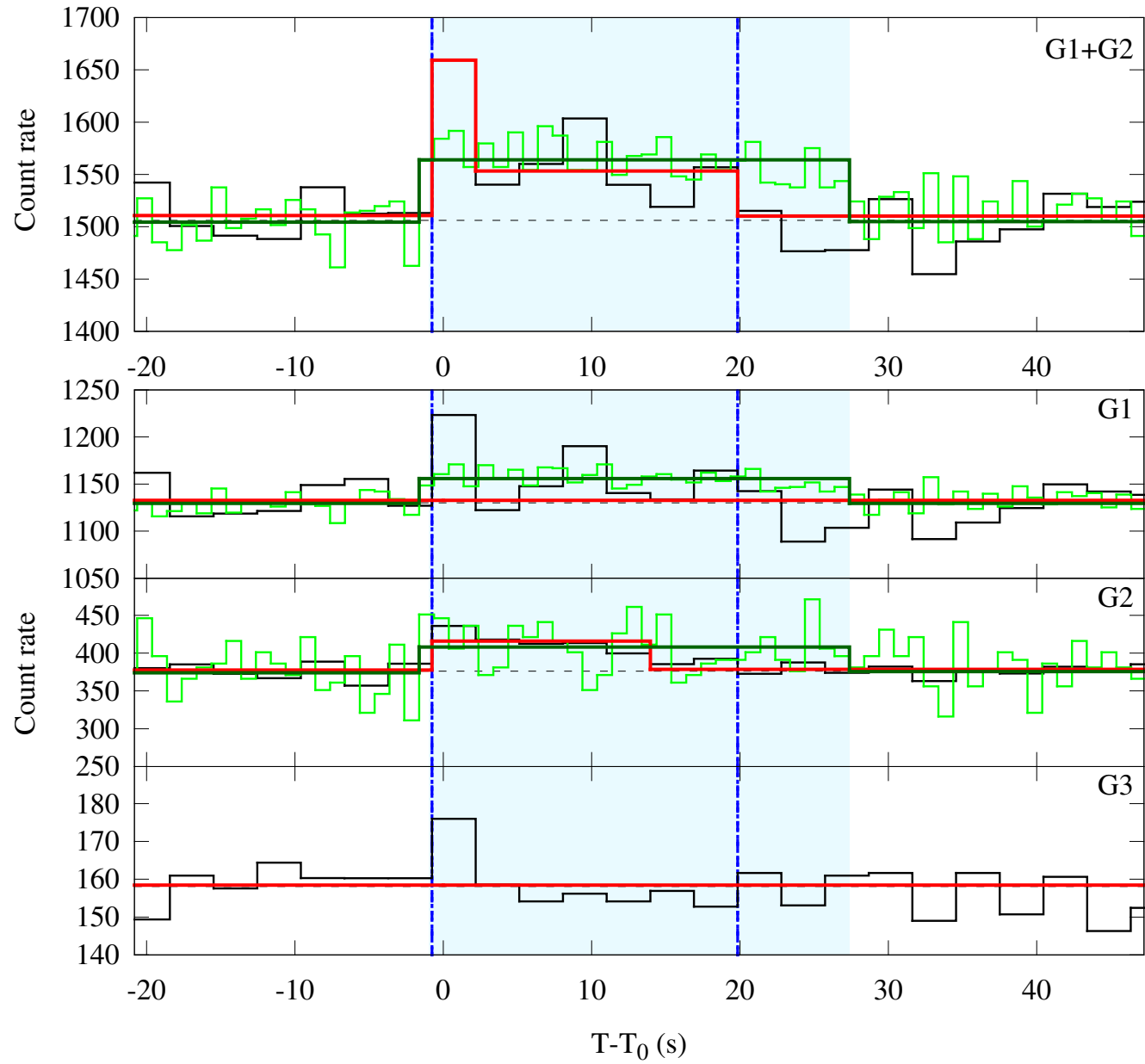
GRB 171020A

Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$-0.762\ldots 19.846$	**CPL**	$0.50^{+0.61}_{-0.48}$	$\ldots$	132^{+26}_{-18}	$1.14^{+0.21}_{-0.16}$	$58.9/59(0.48)$

GRB 171205A $T_0 = 26443.893380$ s S1 (z=0.0368)
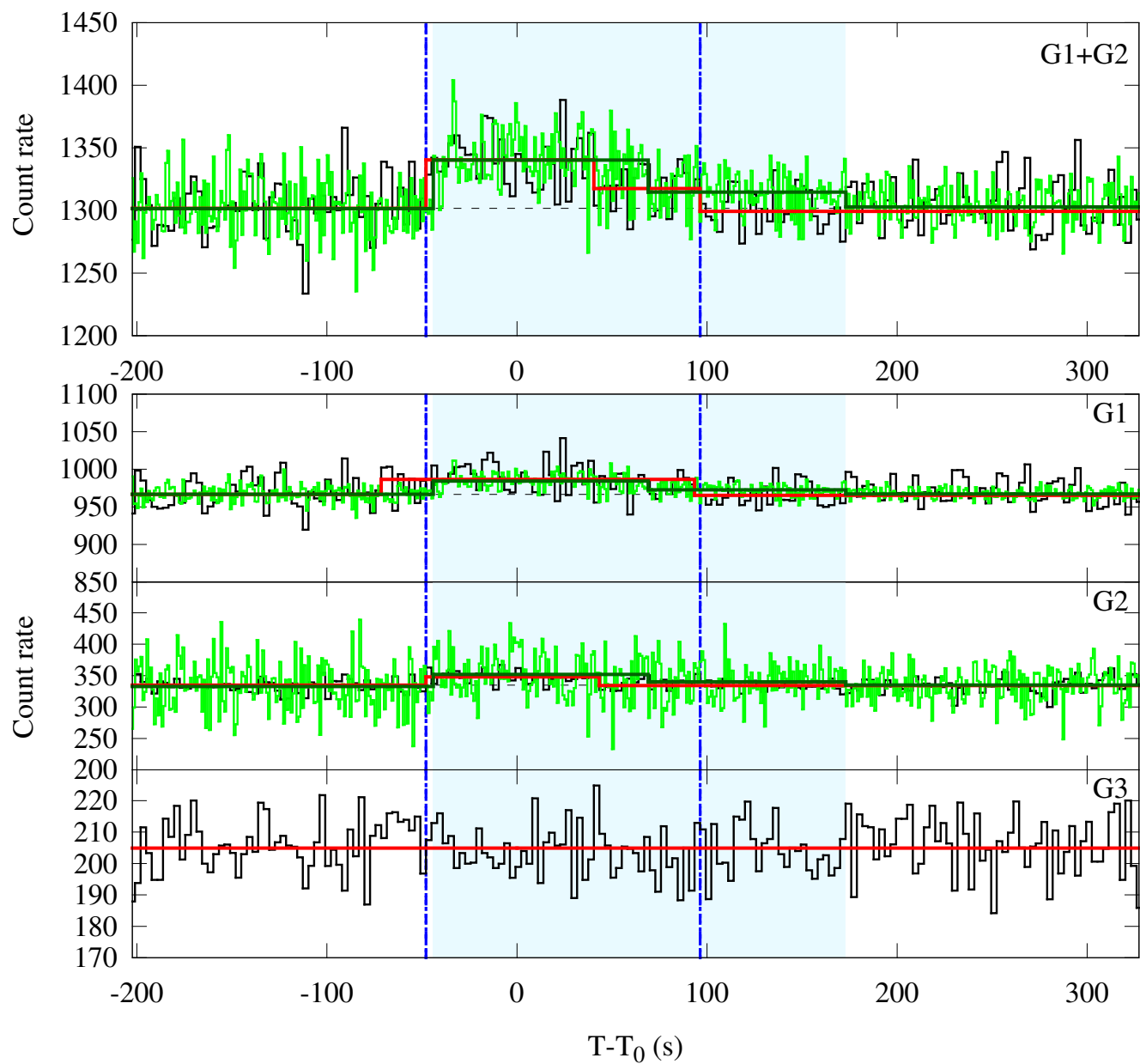
GRB 171205A
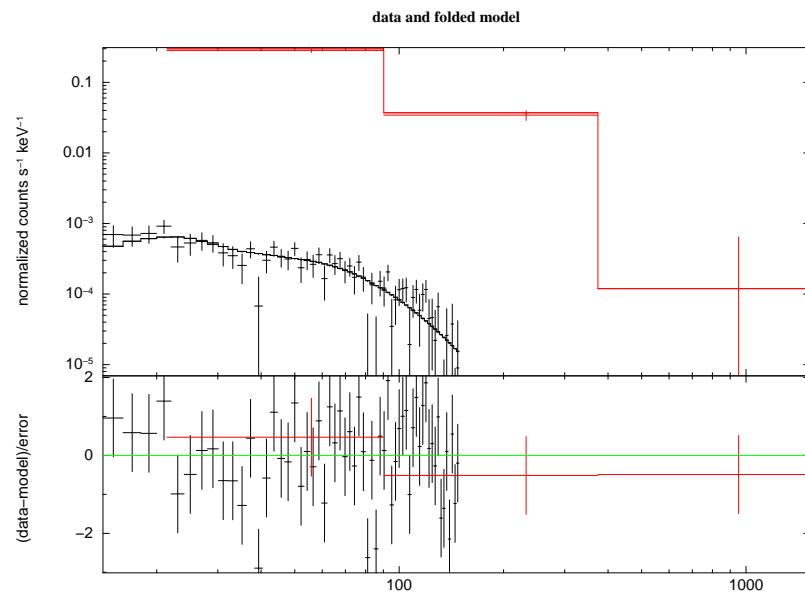
Xspec spectral fits of the time-integrated (left).

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$-47.889\ldots96.367$	**CPL**	$\mathbf{-0.78^{+0.30}_{-0.26}}$	$\ldots$	$\mathbf{111^{+23}_{-15}}$	$\mathbf{0.43^{+0.06}_{-0.04}}$	$\mathbf{70.7/59(0.14)}$

GRB 171222A T_0 = 59099.803500 s S2 (z=2.409)
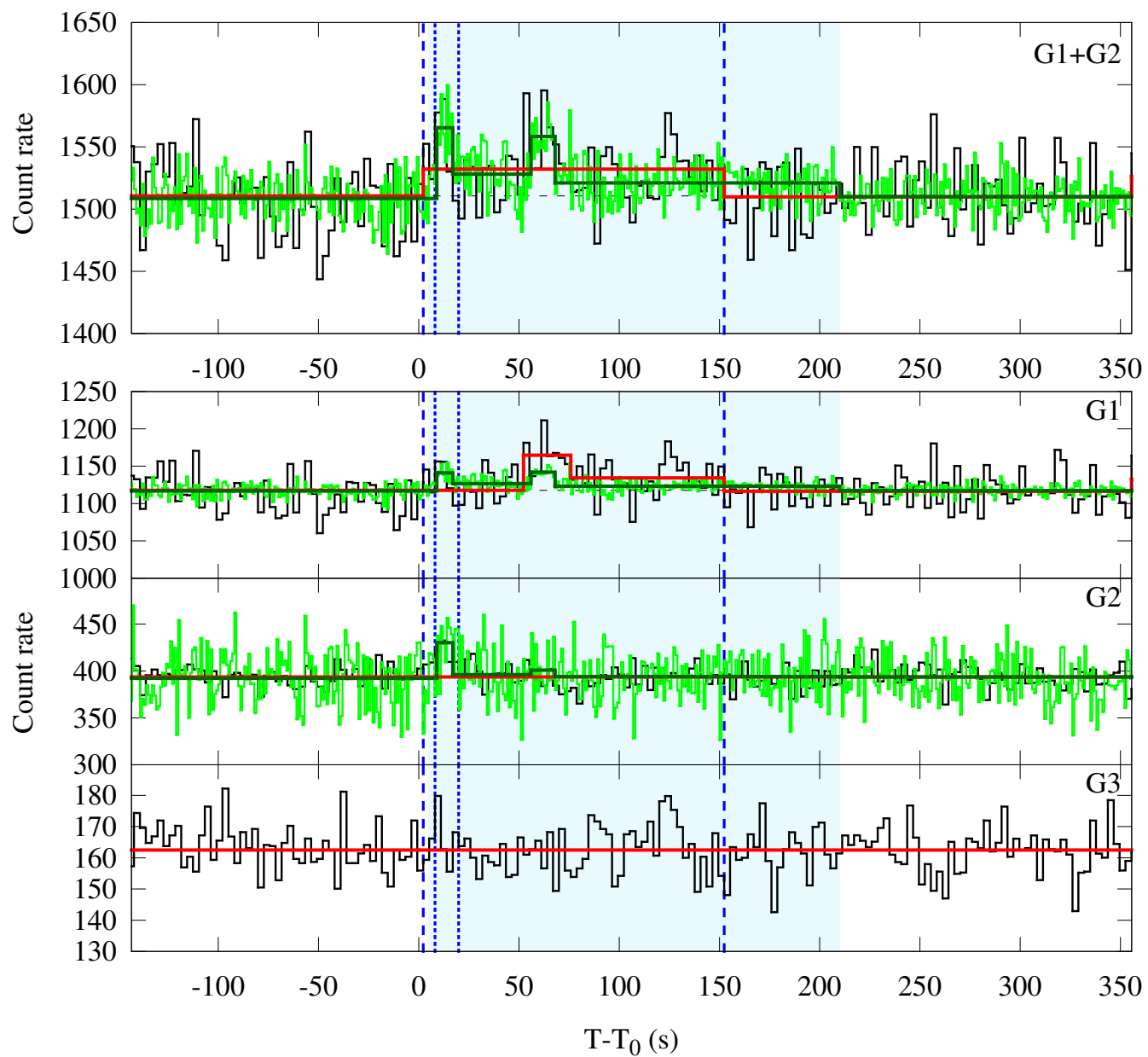
GRB 171222A
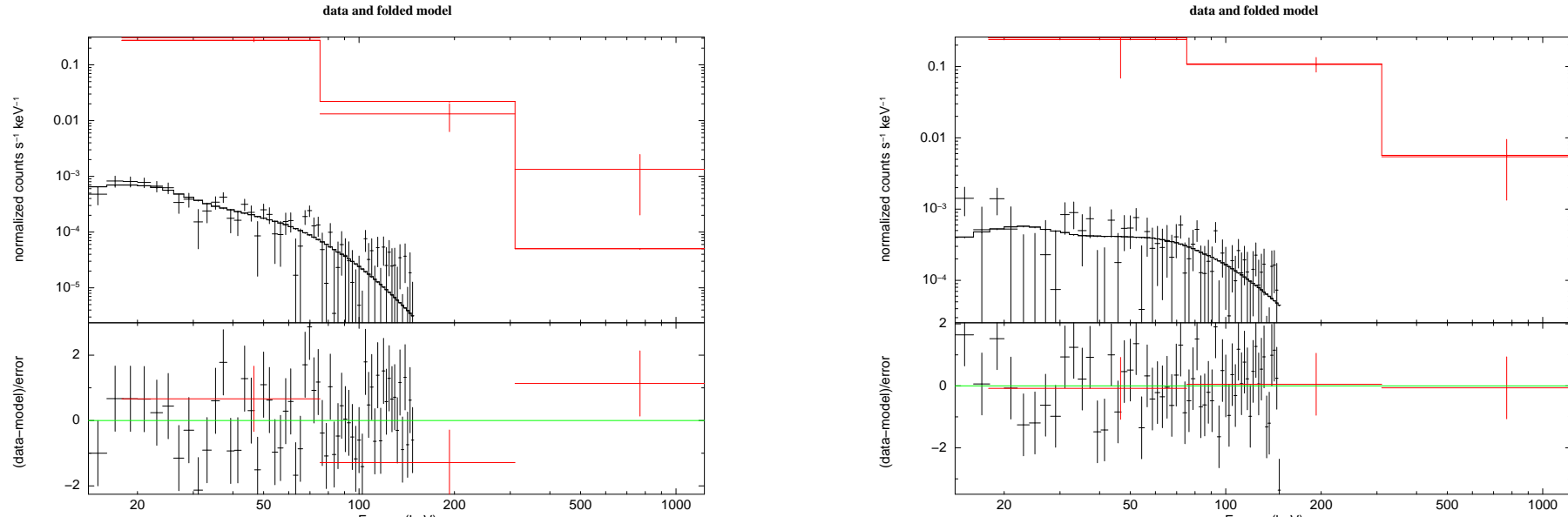
Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$2.223\ldots152.367$	**CPL**	$-1.44^{+0.39}_{-0.36}$	$\ldots$	47^{+11}_{-12}	$0.22^{+0.04}_{-0.02}$	$68.2/59(0.19)$
Peak	$8.111\ldots19.887$	**CPL**	$-0.56^{+0.43}_{-0.31}$	$\ldots$	342^{+257}_{-131}	$1.10^{+0.49}_{-0.38}$	$60.5/59(0.42)$

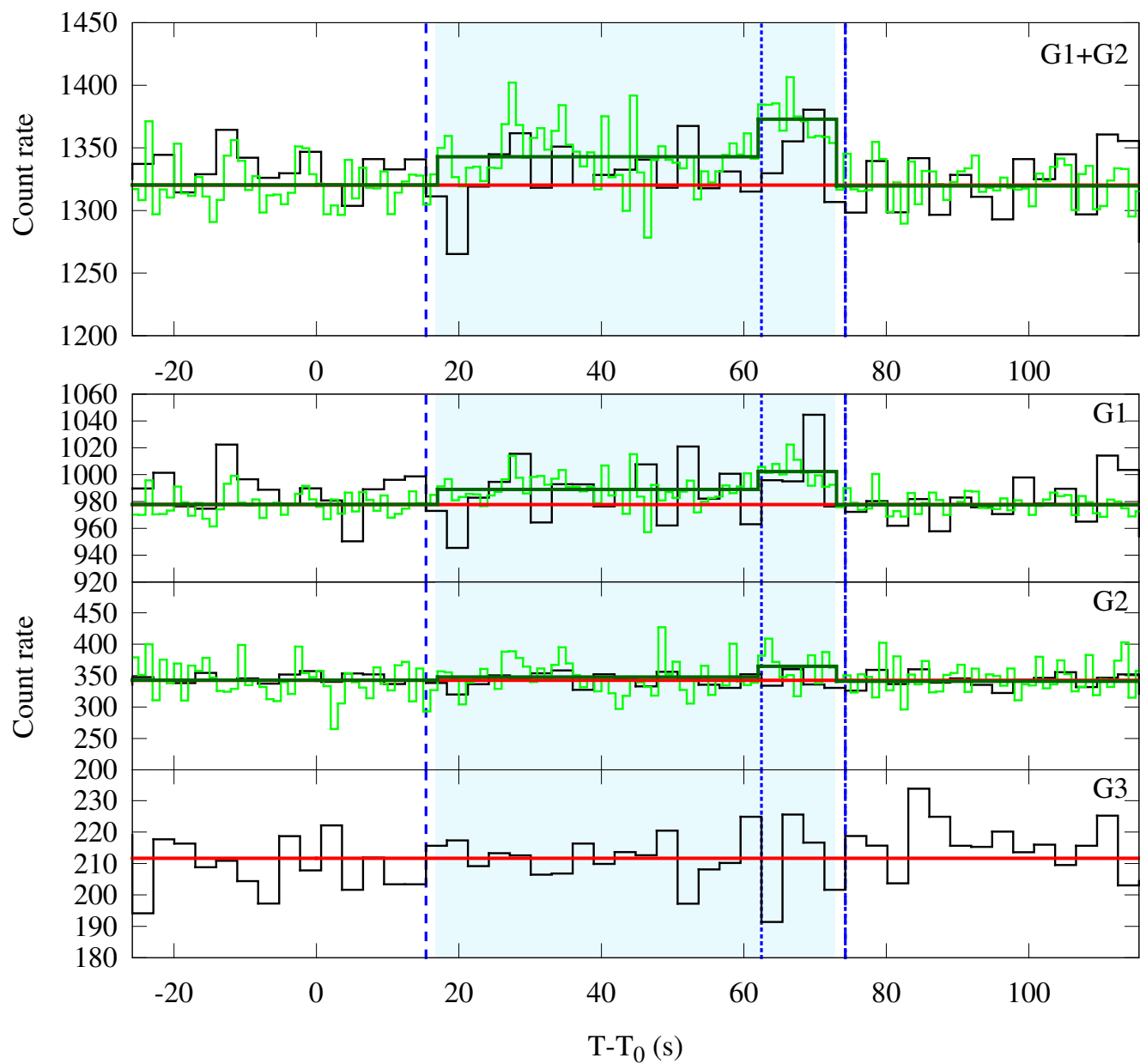GRB 180115A T_0 = 15363.681260 s S1 (z=2.487)

GRB 180115A

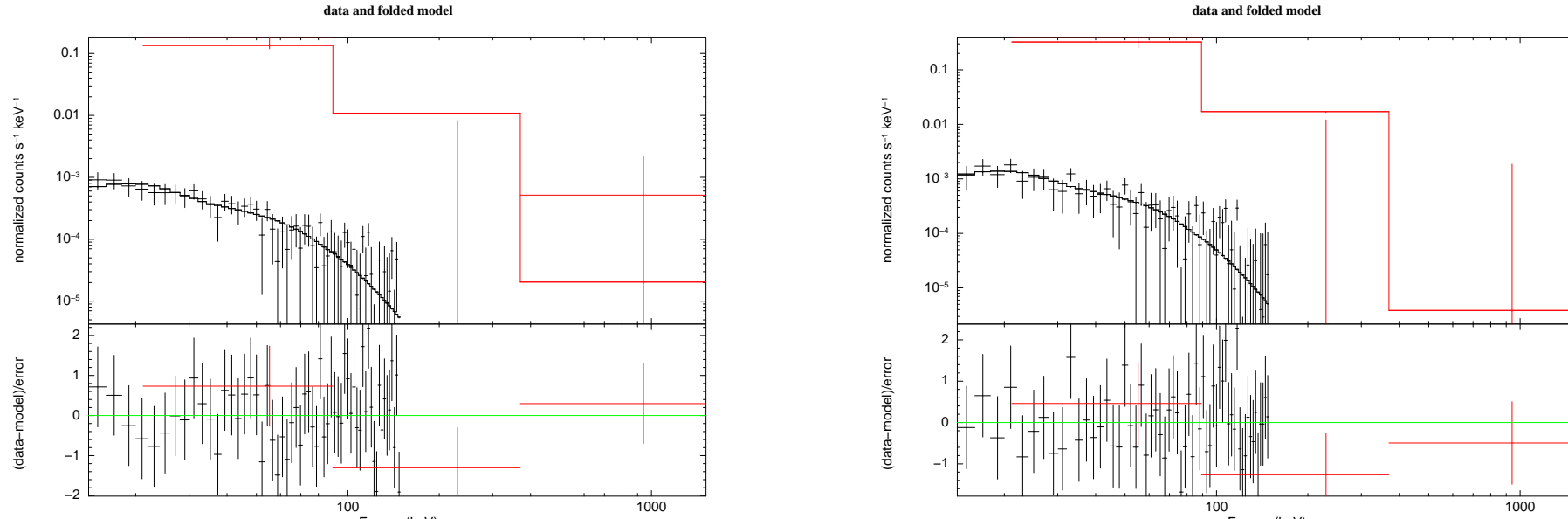Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}\ \mathrm{erg\ cm^{-2}\ s^{-1}})$	χ^2/dof (Prob.)
Time-integrated	$15.371\ldots74.251$	**CPL**	$\mathbf{-1.20^{+0.49}_{-0.40}}$	...	$\mathbf{71^{+54}_{-16}}$	$\mathbf{0.15^{+0.06}_{-0.03}}$	$\mathbf{44.2/59(0.92)}$
Peak	$62.475\ldots74.251$	**CPL**	$\mathbf{-0.96^{+0.72}_{-0.56}}$	...	$\mathbf{53^{+18}_{-10}}$	$\mathbf{0.30^{+0.07}_{-0.05}}$	$\mathbf{40.0/59(0.97)}$

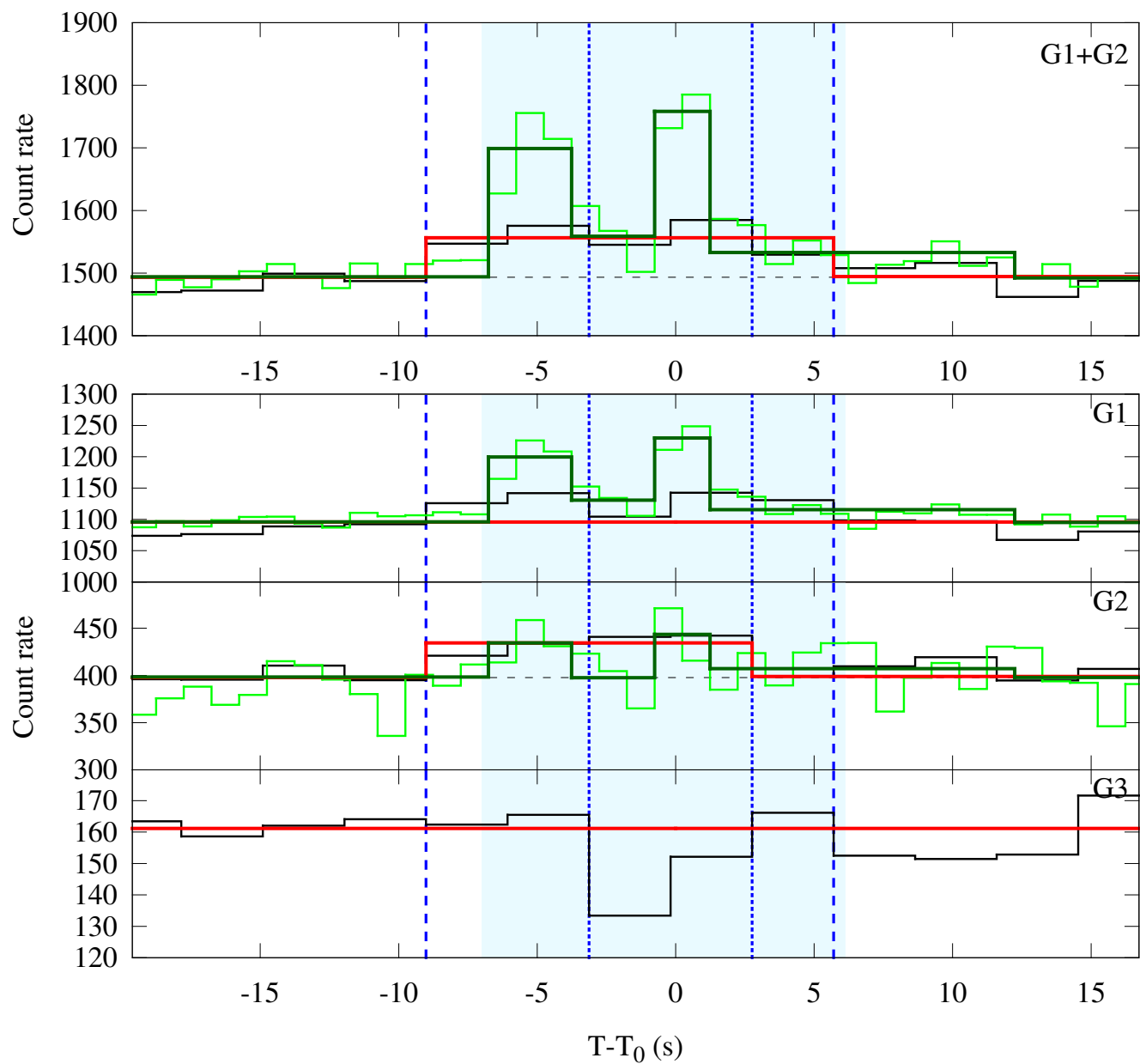GRB 180205A T_0 = 15929.331960 s S2 (z=1.409)

GRB 180205A

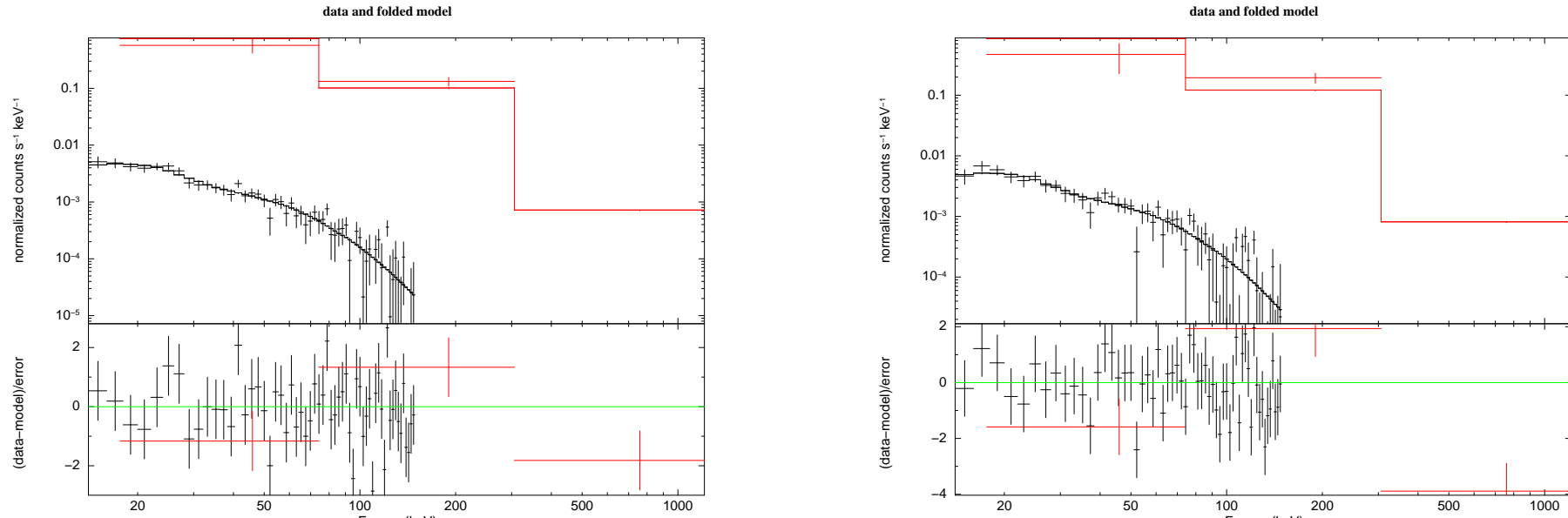Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-9.017\ldots5.703$	**CPL**	$-1.63^{+0.23}_{-0.19}$	$\ldots$	50^{+12}_{-11}	$1.32^{+0.19}_{-0.13}$	$70.9/59(0.14)$
Peak	$-3.129\ldots2.759$	**CPL**	$-1.53^{+0.27}_{-0.22}$	$\ldots$	58^{+16}_{-12}	$1.52^{+0.23}_{-0.17}$	$81.5/59(0.028)$

GRB 180329B $T_0 = 50903.970940$ s S1 (z=1.998)
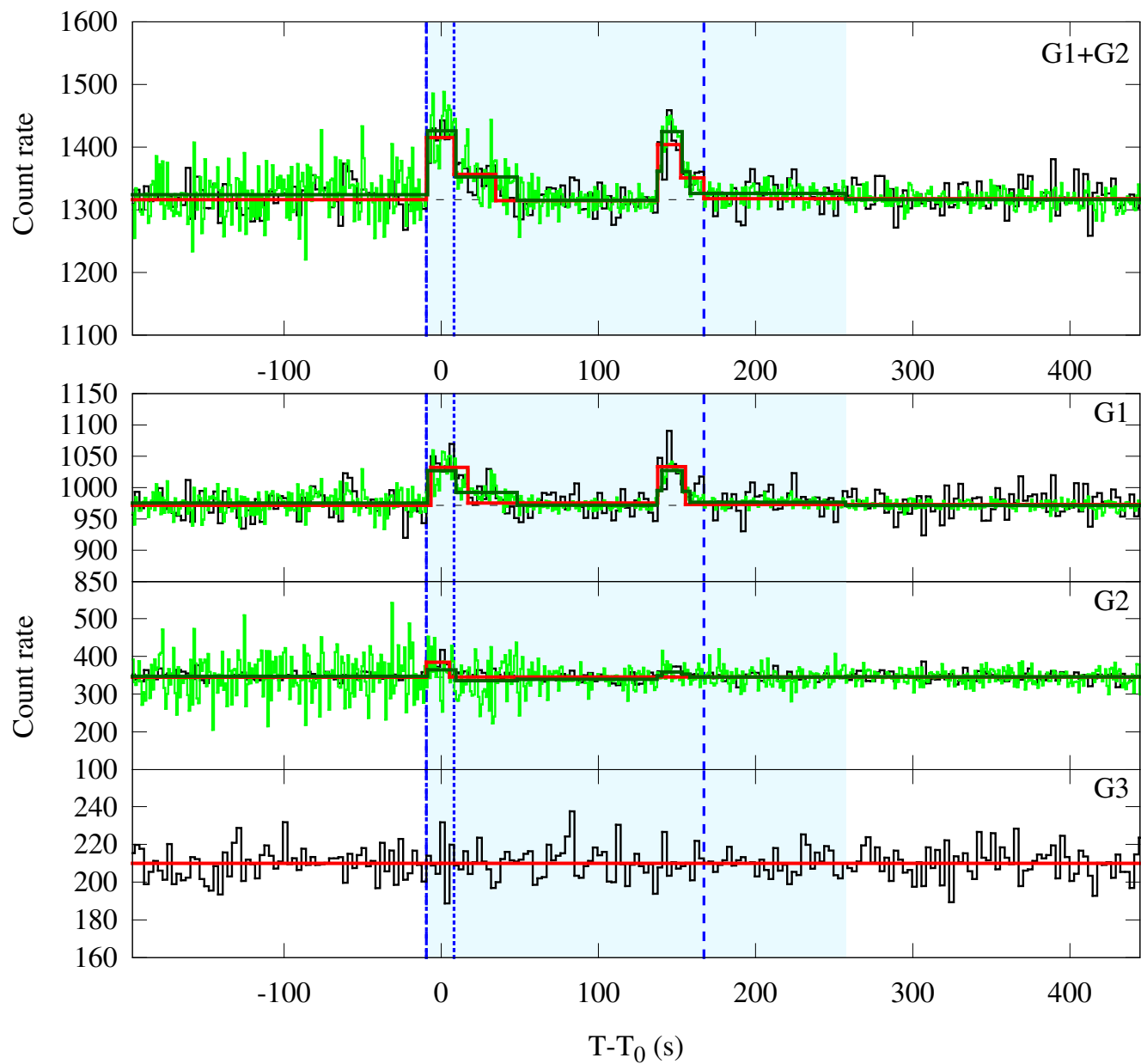
GRB 180329B

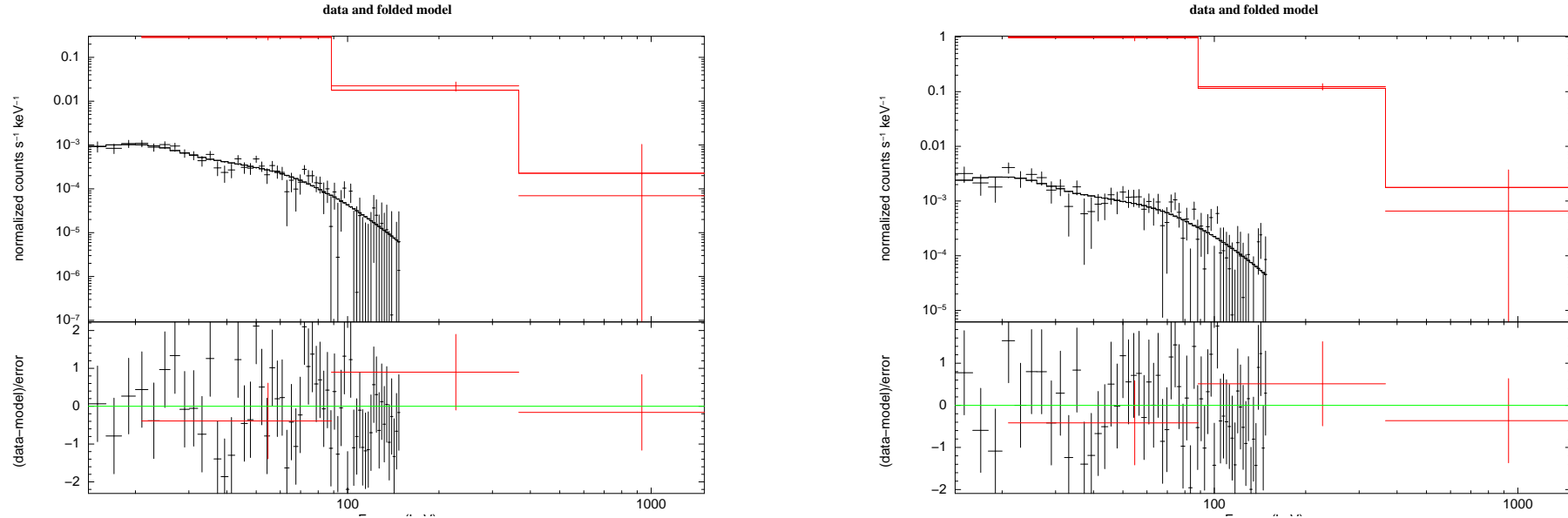Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-9.500\ldots167.140$	**GRBM**	$\mathbf{-1.19^{+0.34}_{-0.30}}$	$\mathbf{-2.71^{+0.44}_{-7.29}}$	$\mathbf{57^{+11}_{-8}}$	$\mathbf{0.24^{+0.06}_{-0.05}}$	$\mathbf{56.4/58(0.54)}$
		CPL	$-1.25^{+0.32}_{-0.29}$	$\ldots$	59^{+12}_{-8}	$0.20^{+0.03}_{-0.02}$	$56.9/59(0.55)$
Peak	$-9.500\ldots8.164$	**CPL**	$\mathbf{-1.39^{+0.28}_{-0.21}}$	$\ldots$	$\mathbf{160^{+148}_{-49}}$	$\mathbf{1.19^{+0.34}_{-0.21}}$	$\mathbf{51.2/59(0.75)}$

GRB 180404A T_0 = 02735.686520 s S1 (z=1.000)
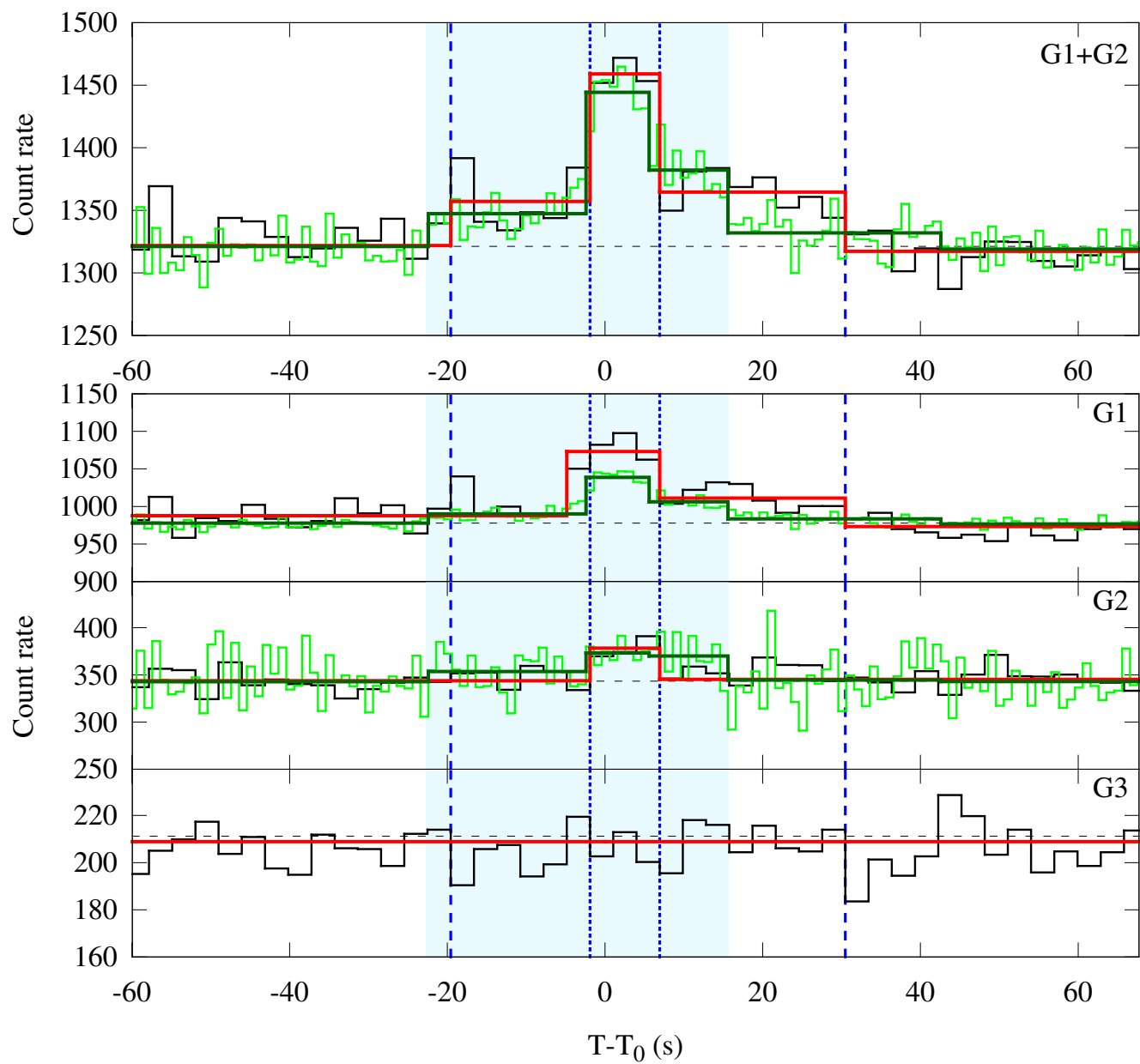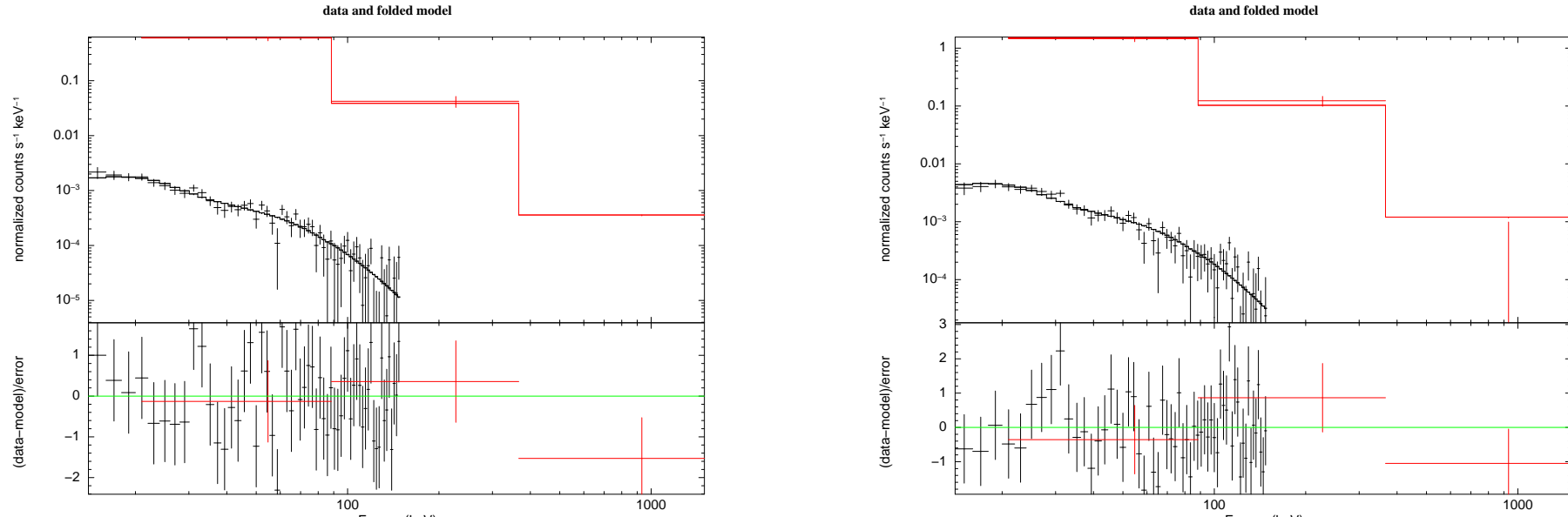
GRB 180404A

Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F (10^{-7} erg cm^{-2} s^{-1})	χ^2/dof (Prob.)
Time-integrated	$-19.568\ldots30.480$	**CPL**	$\mathbf{-1.76^{+0.20}_{-0.16}}$	$\ldots$	$\mathbf{59^{+30}_{-20}}$	$\mathbf{0.46^{+0.10}_{-0.06}}$	$\mathbf{52.4/59(0.72)}$
Peak	$-1.904\ldots6.928$	**CPL**	$\mathbf{-1.77^{+0.19}_{-0.15}}$	$\ldots$	$\mathbf{68^{+58}_{-20}}$	$\mathbf{1.21^{+0.32}_{-0.18}}$	$\mathbf{54.5/59(0.64)}$

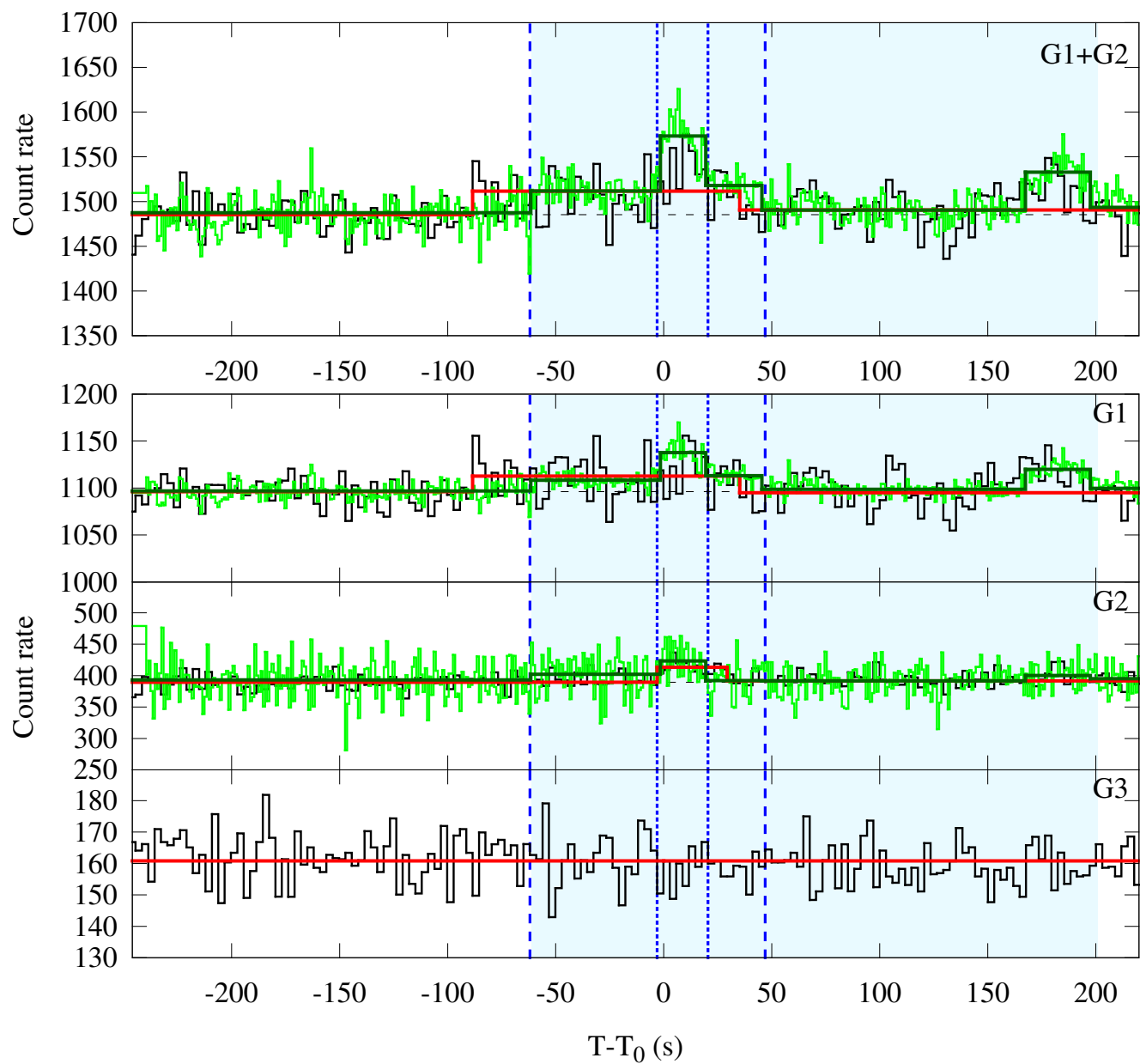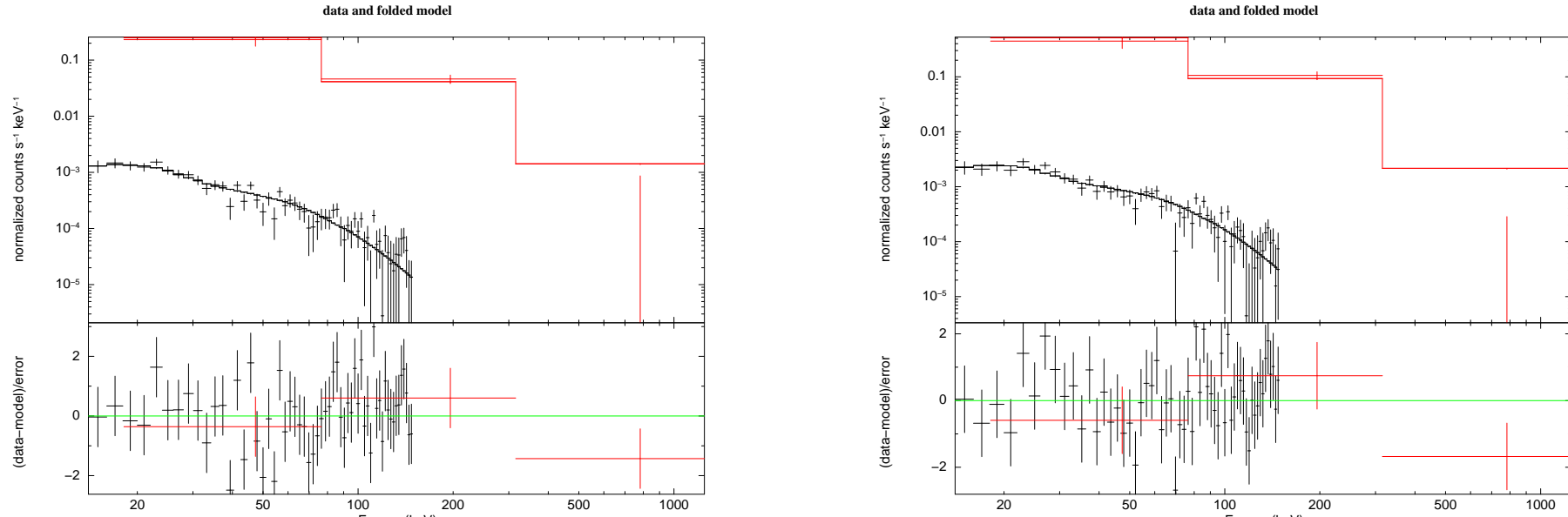GRB 180624A T_0 = 49780.378860 s S2 (z=2.855)

GRB 180624A

Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	E_{p} (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	$\chi^2/$dof (Prob.)
Time-integrated	$-61.933\ldots46.995$	**CPL**	$\mathbf{-1.69^{+0.12}_{-0.11}}$	$\ldots$	$\mathbf{198^{+440}_{-81}}$	$\mathbf{0.51^{+0.12}_{-0.09}}$	$\mathbf{69.3/59(0.17)}$
Peak	$-3.053\ldots20.499$	**CPL**	$\mathbf{-1.44^{+0.15}_{-0.13}}$	$\ldots$	$\mathbf{157^{+93}_{-43}}$	$\mathbf{0.96^{+0.21}_{-0.15}}$	$\mathbf{60.9/59(0.41)}$

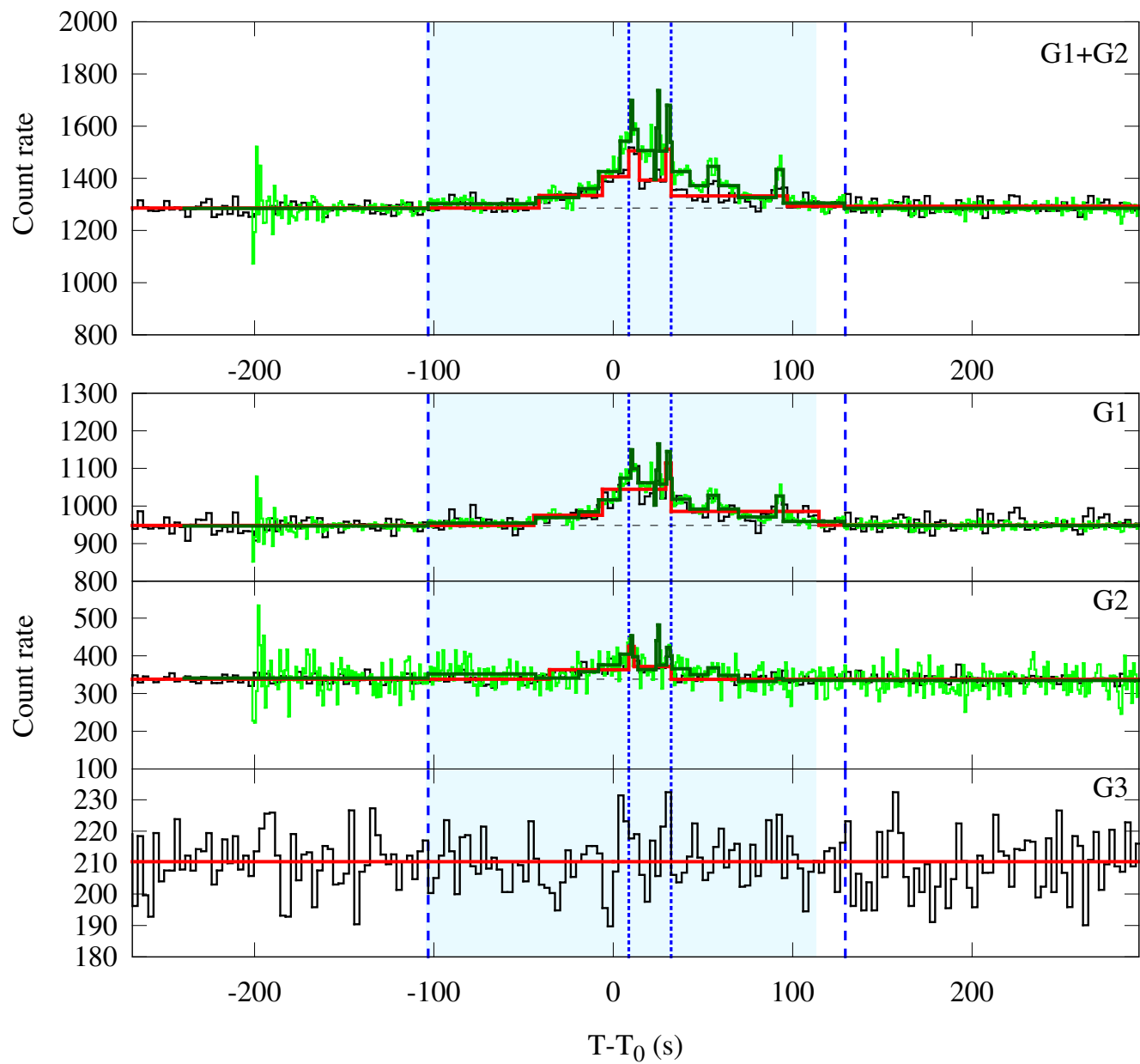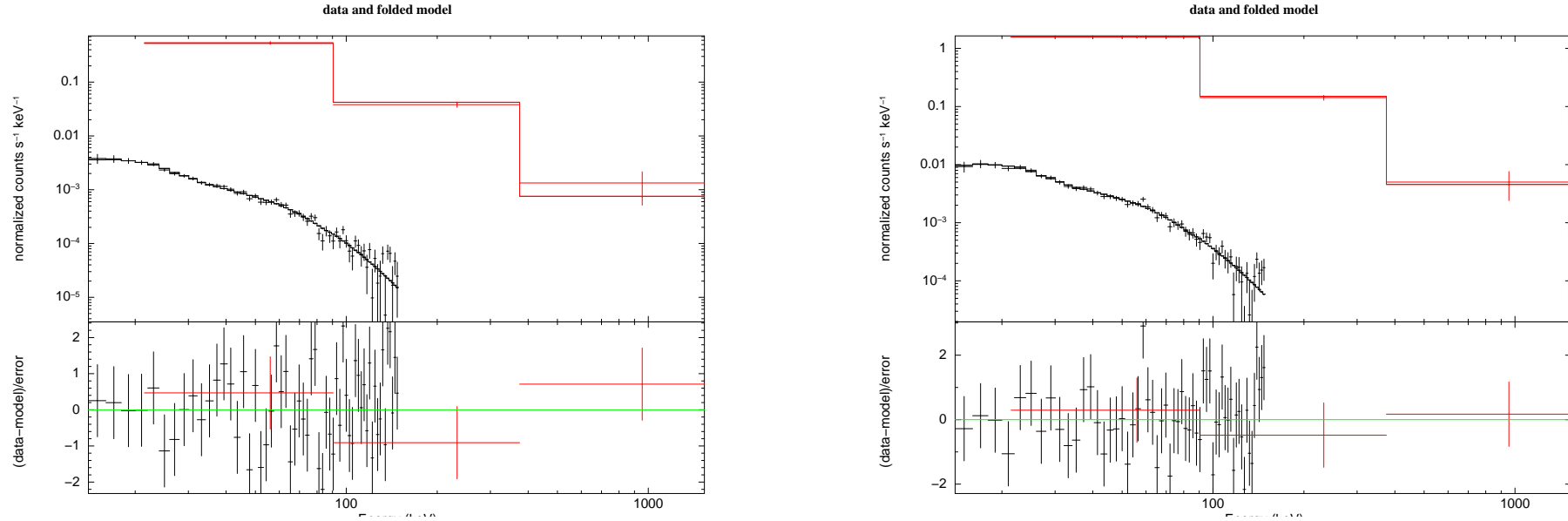GRB 181110A $T_0 = 31411.319640$ s S1 (z=1.505)

GRB 181110A

Xspec spectral fits of the time-integrated (left) and the peak (right) joint KW+BAT spectra.

Fit model parameters

Spectrum	Accumulation interval (s)	Model	α	β	$E_{\rm p}$ (keV)	F $(10^{-7}$ erg cm^{-2} s$^{-1})$	χ^2/dof (Prob.)
Time-integrated	$-103.188\ldots129.388$	**GRBM**	$\mathbf{-1.82^{+0.32}_{-0.10}}$	$\mathbf{-2.56^{+0.39}_{-7.44}}$	$\mathbf{41^{+8}_{-13}}$	$\mathbf{0.77^{+0.14}_{-0.10}}$	$\mathbf{68.8/58(0.16)}$
		CPL	$-1.84^{+0.11}_{-0.10}$	$\ldots$	40^{+8}_{-15}	$0.71^{+0.07}_{-0.05}$	$69.4/59(0.17)$
Peak	$8.684\ldots32.236$	**GRBM**	$\mathbf{-1.43^{+0.27}_{-0.22}}$	$\mathbf{-2.17^{+0.10}_{-0.29}}$	$\mathbf{56^{+14}_{-9}}$	$\mathbf{2.80^{+0.23}_{-0.35}}$	$\mathbf{58.0/58(0.48)}$
		CPL	$-1.63^{+0.11}_{-0.11}$	$\ldots$	70^{+11}_{-7}	$2.19^{+0.21}_{-0.15}$	$60.9/59(0.41)$