Short Gamma-Ray bursts detected by Konus-*Wind* in 2011–2021
Multi-channel spectra

December 19, 2022

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.42^{+0.13}_{-0.13}$	...	...	$18.20^{+7.52}_{-6.09}$	19.0/8
CPL	$-0.59^{+0.60}_{-0.46}$	...	370^{+277}_{-128}	$5.19^{+1.89}_{-1.44}$	7.1/7
GRBM	$\sim +0.80$	~ -1.93	148^{+221}_{-93}	$9.13^{+6.51}_{-4.14}$	4.8/6

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.018	0.070	0.052 ± 0.027	0.018 ± 0.006	1	$0.000 - 0.064$

KONUS-WIND GRB 110212
T_0 = 47551.101 s UT (13:12:31.101)
S1

data and folded model
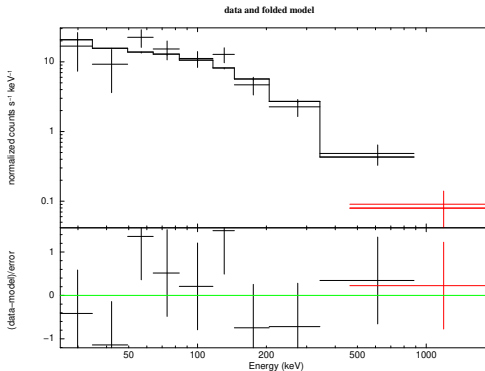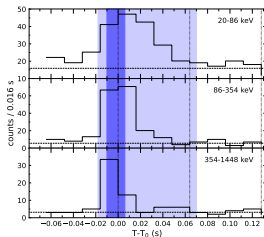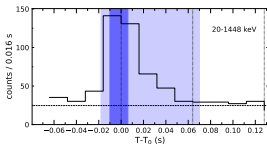
andromeda 13–Dec–2022 16:26

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.06^{+0.17}_{-0.16}$	...	...	$66.72^{+28.38}_{-21.78}$	9.7/9
CPL	$-0.95^{+0.81}_{-0.23}$	...	~ 5147	$41.99^{+19.70}_{-41.99}$	9.7/8
GRBM	~ -1.92	$-1.05^{+0.13}_{-0.07}$	~ 1829	$67.23^{+24.26}_{-17.82}$	9.7/7

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.382	0.044	0.388 ± 0.015	0.056 ± 0.009	1	$0.000 - 0.064$

KONUS-WIND GRB 110221
$T_0 = 18490.017$ s UT (05:08:10.017)
S2

data and folded model
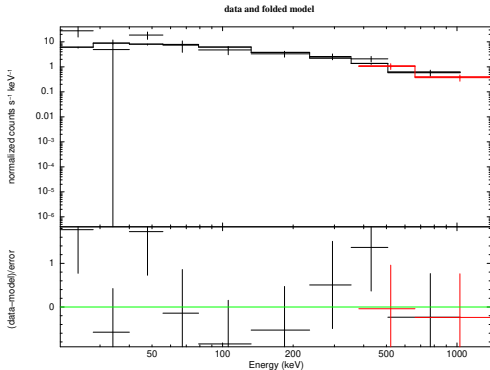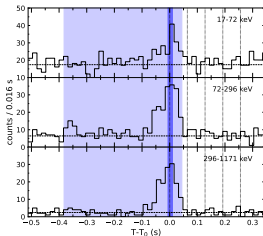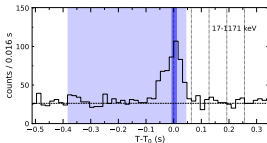
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Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.73^{+0.28}_{-0.37}$	...	...	$5.87^{+5.01}_{-3.15}$	2.7/5
CPL	~ -1.29	...	~ 382	$2.88^{+4.74}_{-1.57}$	1.9/4
GRBM	~ -1.20	~ -2.42	~ 307	$3.39^{+4.41}_{-2.04}$	1.9/3

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.054	0.012	0.064 ± 0.007	0.042 ± 0.010	1	$0.000 - 0.064$

KONUS-WIND GRB 110323
$T_0 = 57460.228$ s UT (15:57:40.228)
S1

data and folded model
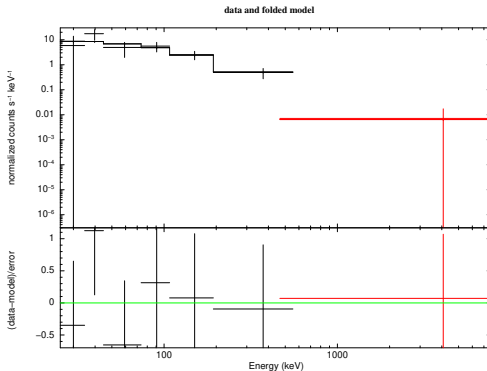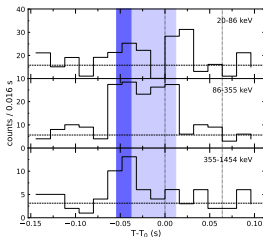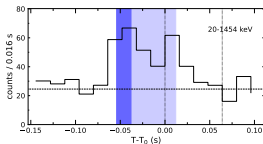
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Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.70^{+0.37}_{-0.74}$	...	...	$0.17^{+0.26}_{-0.13}$	95.4/94
CPL	~ -1.26	...	~ 1097	$0.14^{+0.26}_{-0.14}$	94.4/93
GRBM	~ -1.26	~ -9.37	~ 1121	$0.15^{+0.26}_{-0.10}$	94.4/92

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.214	0.576	0.694 ± 0.039	0.508 ± 0.037	1-5	$0.000 - 8.448$

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.54^{+0.25}_{-0.30}$	...	...	$2.43^{+2.08}_{-1.37}$	24.2/19
CPL	$-1.49^{+0.49}_{-0.34}$	...	~ 4859	$2.09^{+0.96}_{-2.09}$	24.1/18
GRBM	$-1.49^{+0.49}_{-0.27}$	~ -9.12	~ 4877	$2.10^{+0.97}_{-1.47}$	24.1/17

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.214	0.576	0.694 ± 0.039	0.508 ± 0.037	1-4	$0.000 - 0.256$

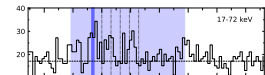KONUS-WIND GRB 110401
T_0 = 79461.937 s UT (22:04:21.937)
S2

data and folded model
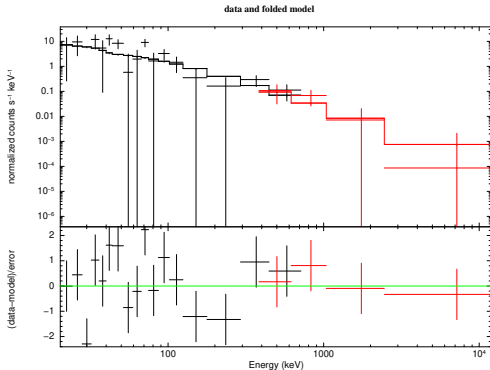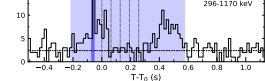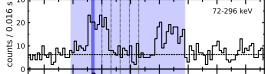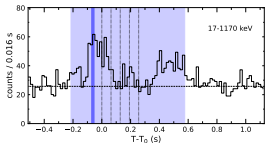
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Model	α	β	$E_{\rm peak}$ keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.90^{+0.31}_{-0.40}$	...	...	$0.24^{+0.23}_{-0.11}$	75.4/98
CPL	~ -1.68	...	~ 251	$0.14^{+0.16}_{-0.07}$	74.9/97
GRBM	~ -1.69	~ -9.37	~ 256	$0.15^{+0.23}_{-0.06}$	74.9/96

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.470	0.480	0.840 ± 0.074	0.364 ± 0.079	1-5	$0.000 - 8.448$

KONUS-WIND GRB 110510
T_0 = 80844.326 s UT (22:27:24.326)
S1

data and folded model
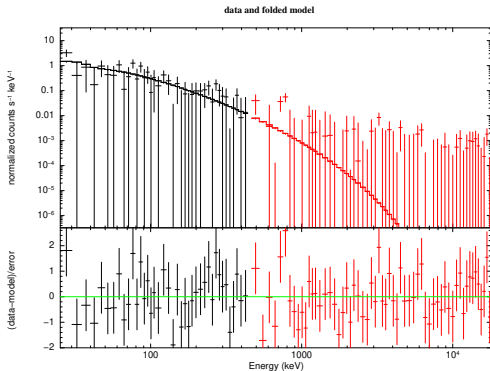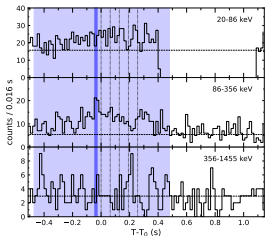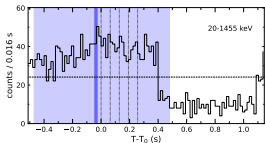
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Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.71^{+0.14}_{-0.16}$	...	...	$3.80^{+1.62}_{-1.26}$	34.6/20
CPL	$+0.33^{+1.29}_{-0.92}$	...	153^{+45}_{-29}	$1.23^{+0.31}_{-0.27}$	15.2/19
GRBM	$+0.31^{+5.08}_{-0.90}$	~ -3.98	153^{+43}_{-63}	$1.30^{+1.04}_{-0.33}$	14.9/18

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.470	0.480	0.840 ± 0.074	0.364 ± 0.079	1-4	$0.000 - 0.256$

KONUS-WIND GRB 110510
T_0 = 80844.326 s UT (22:27:24.326)
S1

data and folded model
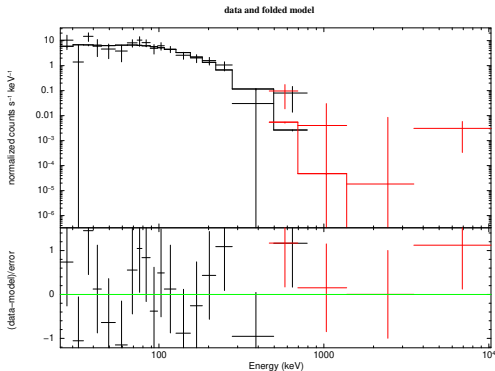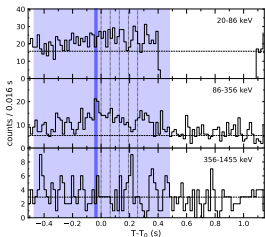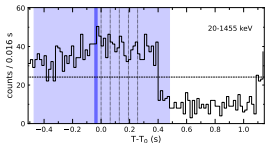
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Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.46^{+0.09}_{-0.10}$	...	...	$1.32^{+0.36}_{-0.32}$	143.5/94
CPL	$-0.19^{+0.80}_{-0.57}$	...	502^{+244}_{-119}	$0.47^{+0.15}_{-0.11}$	113.6/93
GRBM	$-0.22^{+0.82}_{-0.53}$	~ -6.54	503^{+228}_{-124}	$0.47^{+0.34}_{-0.10}$	113.6/92

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.482	1.216	1.408 ± 0.106	0.670 ± 0.069	1-5	$0.000 - 8.448$

KONUS-WIND GRB 110514
T_0 = 79742.740 s UT (22:09:02.740)
S2

data and folded model
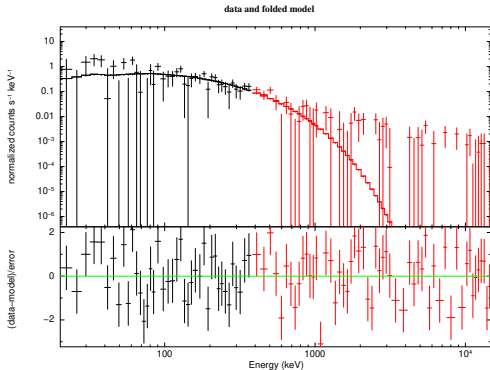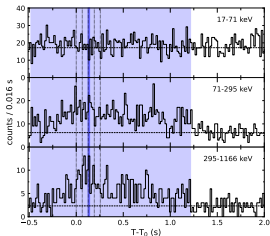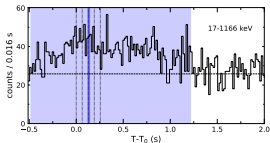
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Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.51^{+0.09}_{-0.10}$	...	...	$7.62^{+2.10}_{-1.93}$	59.0/23
CPL	$-0.57^{+0.45}_{-0.35}$	...	495^{+236}_{-139}	$3.48^{+0.99}_{-0.79}$	22.9/22
GRBM	$-0.55^{+0.43}_{-0.37}$	~ -10.00	495^{+236}_{-139}	$3.48^{+0.47}_{-0.79}$	22.9/21

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.186	0.300	0.426 ± 0.054	0.198 ± 0.025	1-4	$0.000 - 0.256$

KONUS-WIND GRB 110526
T_0 = 61739.032 s UT (17:08:59.032)
S1

data and folded model
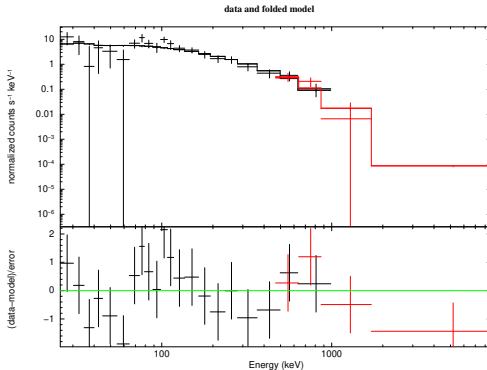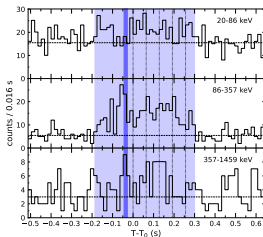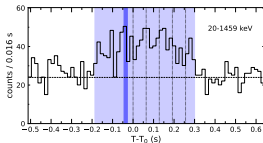
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Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.33^{+0.17}_{-0.17}$	...	...	$6.75^{+3.68}_{-2.77}$	18.7/16
CPL	$-0.18^{+1.43}_{-0.73}$	...	434^{+350}_{-130}	$1.74^{+0.74}_{-0.52}$	8.9/15
GRBM	$-0.19^{+1.64}_{-0.72}$	~ -9.37	434^{+150}_{-181}	$1.72^{+1.90}_{-0.48}$	8.9/14

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.244	0.154	0.364 ± 0.056	0.168 ± 0.029	1-3	$0.000 - 0.192$

KONUS-WIND GRB 110527
T_0 = 74944.795 s UT (20:49:04.795)
S2

data and folded model
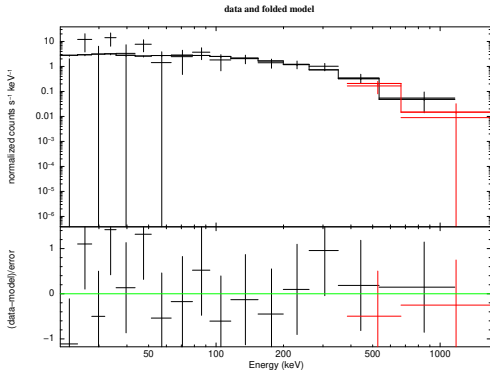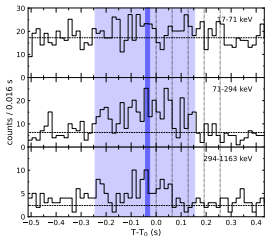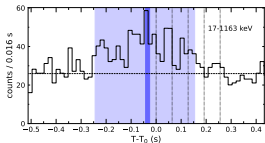
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Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.27^{+0.05}_{-0.05}$	...	...	$27.08^{+4.07}_{-3.87}$	53.3/32
CPL	$-0.88^{+0.24}_{-0.17}$	...	1117^{+903}_{-428}	$10.51^{+4.48}_{-2.74}$	25.9/31
GRBM	$-0.30^{+0.98}_{-0.41}$	$-1.68^{+0.18}_{-0.26}$	372^{+258}_{-178}	$17.31^{+4.91}_{-4.37}$	15.3/30

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.092	0.478	0.426 ± 0.098	0.148 ± 0.034	1-4	$0.000 - 0.256$

KONUS-WIND GRB 110529
T_0 = 02920.249 s UT (00:48:40.249)
S2

data and folded model
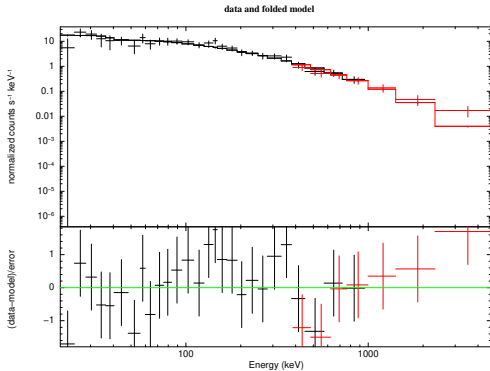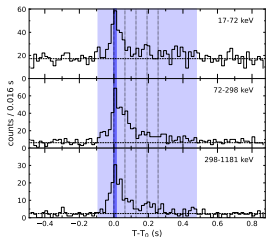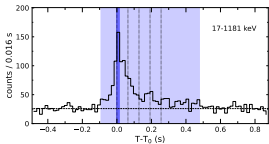
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Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-2.03^{+0.18}_{-0.21}$	...	...	$6.27^{+2.62}_{-1.88}$	16.4/8
CPL	$-0.69^{+1.94}_{-1.08}$	...	75^{+57}_{-20}	$2.90^{+1.25}_{-0.77}$	10.2/7
GRBM	$\sim +15.00$	$-2.48^{+0.34}_{-0.43}$	37^{+15}_{-6}	$3.74^{+1.99}_{-1.20}$	5.2/6

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.006	0.012	0.016 ± 0.006	0.004 ± 0.004	1	$0.000 - 0.064$

KONUS-WIND GRB 110616
T_0 = 36572.045 s UT (10:09:32.045)
S2

data and folded model
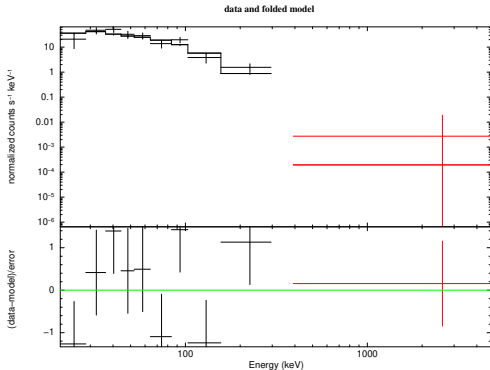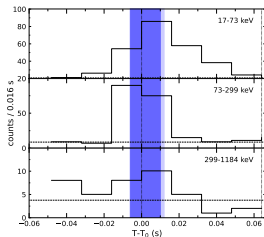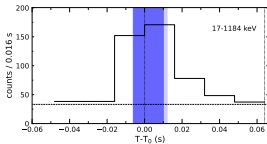
andromeda 13–Dec–2022 16:26

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.30^{+0.04}_{-0.04}$	...	...	$39.12^{+4.49}_{-4.42}$	292.1/37
CPL	$-0.16^{+0.23}_{-0.19}$	...	936^{+176}_{-141}	$25.52^{+3.60}_{-3.16}$	30.0/36
GRBM	$-0.13^{+0.32}_{-0.22}$	~ -3.78	905^{+176}_{-191}	$26.42^{+5.04}_{-3.88}$	29.8/35

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.104	0.204	0.218 ± 0.020	0.128 ± 0.009	1-3	$0.000 - 0.192$

KONUS-WIND GRB 110705
T_0 = 13029.942 s UT (03:37:09.942)
S2

data and folded model
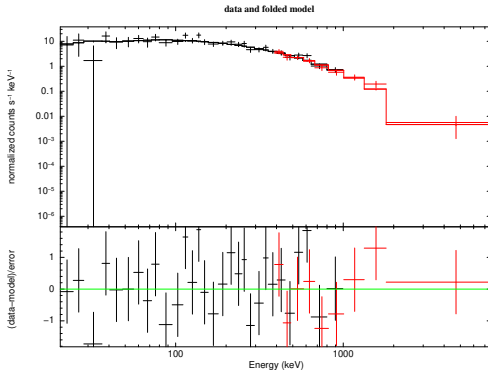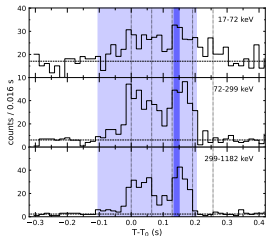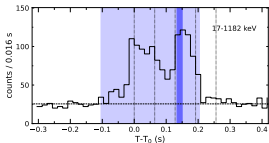
andromeda 13–Dec–2022 16:26

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.28^{+0.16}_{-0.18}$	...	...	$1.12^{+0.49}_{-0.45}$	108.4/99
CPL	$-0.68^{+0.99}_{-0.46}$	...	2057^{+4736}_{-1312}	$0.79^{+0.66}_{-0.45}$	101.4/98
GRBM	$-0.71^{+6.99}_{-0.44}$	~ -10.00	2056^{+4755}_{-1123}	$0.79^{+0.67}_{-0.45}$	101.4/97

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.114	0.504	0.540 ± 0.055	0.326 ± 0.029	1-5	$0.000 - 8.448$

KONUS-WIND GRB 110802
T_0 = 55156.191 s UT (15:19:16.191)
S2

data and folded model
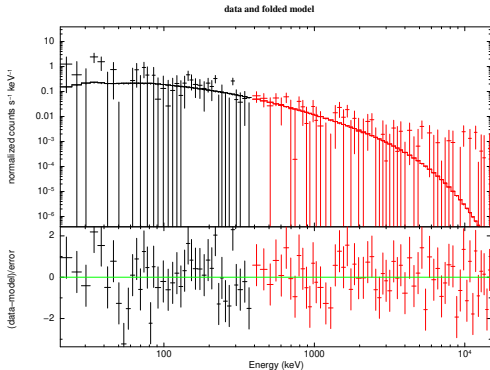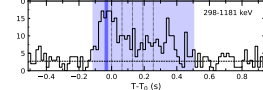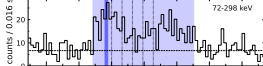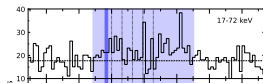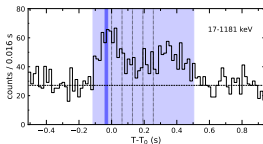
andromeda 13–Dec–2022 16:27

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.17^{+0.07}_{-0.07}$	...	...	$23.28^{+3.97}_{-3.90}$	47.9/30
CPL	$-0.66^{+0.28}_{-0.22}$	...	3557^{+2141}_{-1145}	$21.18^{+5.44}_{-5.37}$	24.4/29
GRBM	$-0.65^{+0.30}_{-0.22}$	~ -2.69	3442^{+2121}_{-1382}	$21.35^{+5.34}_{-5.33}$	24.1/28

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.114	0.504	0.540 ± 0.055	0.326 ± 0.029	1-4	$0.000 - 0.256$

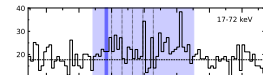KONUS-WIND GRB 110802
T_0 = 55156.191 s UT (15:19:16.191)
S2

data and folded model
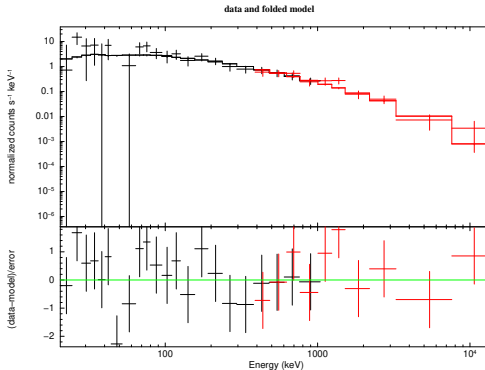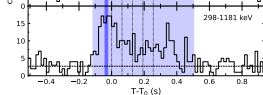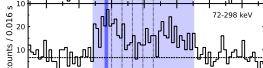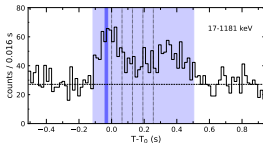
andromeda 13–Dec–2022 16:27

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.52^{+0.09}_{-0.09}$	...	...	$1.57^{+0.40}_{-0.35}$	120.6/99
CPL	$-1.12^{+0.33}_{-0.24}$	...	720^{+931}_{-324}	$0.69^{+0.38}_{-0.21}$	108.2/98
GRBM	$-1.12^{+0.33}_{-0.23}$	~ -9.21	710^{+934}_{-310}	$0.68^{+0.94}_{-0.09}$	108.2/97

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.280	0.432	0.520 ± 0.034	0.146 ± 0.011	1-5	$0.000 - 8.448$

KONUS-WIND GRB 110810
$T_0 = 76626.053$ s UT (21:17:06.053)

data and folded model
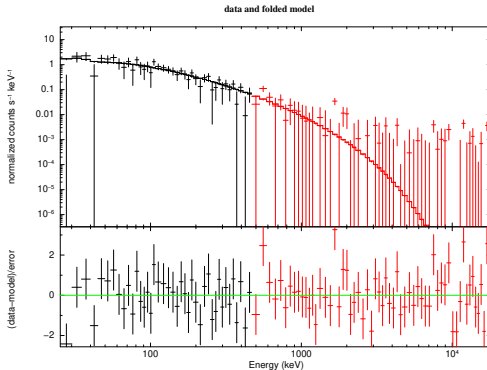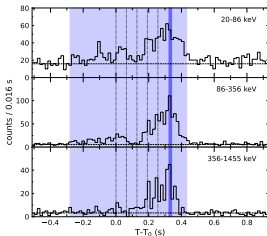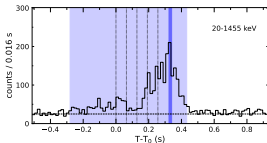
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.50^{+0.05}_{-0.05}$	...	...	$18.35^{+2.78}_{-2.68}$	108.5/35
CPL	$-0.89^{+0.19}_{-0.16}$	...	953^{+323}_{-207}	$11.47^{+2.17}_{-1.79}$	43.0/34
GRBM	$-0.91^{+0.20}_{-0.14}$	~ -10.00	956^{+320}_{-210}	$11.50^{+0.95}_{-1.81}$	43.0/33

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.280	0.432	0.520 ± 0.034	0.146 ± 0.011	1-4	$0.000 - 0.256$

KONUS-WIND GRB 110810
$T_0 = 76626.053$ s UT (21:17:06.053)
S1

data and folded model
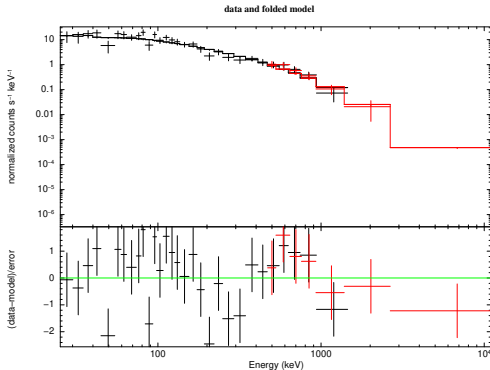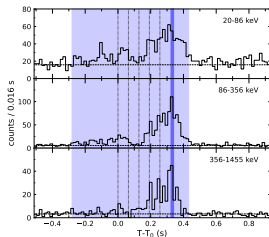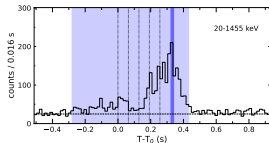
andromeda 13–Dec–2022 16:27

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.28^{+0.10}_{-0.10}$	...	...	$28.43^{+8.09}_{-6.84}$	18.6/18
CPL	$-1.11^{+0.29}_{-0.22}$	...	~ 1701	$12.26^{+13.72}_{-4.84}$	17.1/17
GRBM	~ -0.95	~ -1.46	~ 622	$21.73^{+11.26}_{-11.77}$	16.6/16

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.042	0.110	0.132 ± 0.010	0.064 ± 0.017	1-2	$0.000 - 0.128$

KONUS-WIND GRB 110817
T_0 = 47100.900 s UT (13:05:00.900)
S2

data and folded model

andromeda 13-Dec-2022 16:27

GRB20111011_T08114
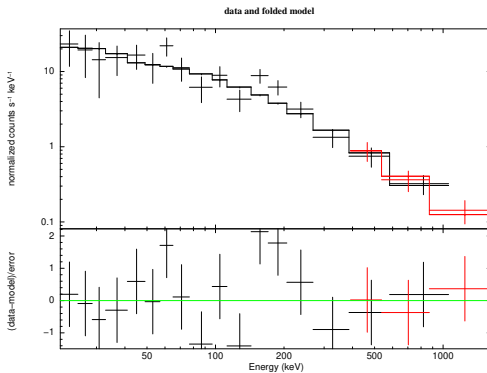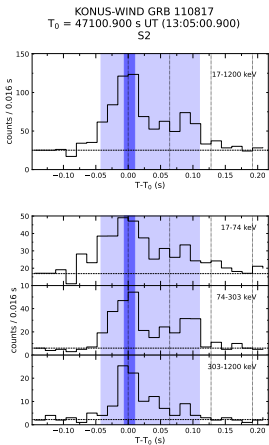
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.71^{+0.21}_{-0.26}$	...	...	$2.92^{+2.09}_{-1.42}$	25.0/10
CPL	$-0.03^{+5.84}_{-1.07}$	...	176^{+157}_{-80}	$1.10^{+0.60}_{-0.49}$	14.5/9
GRBM	$\sim +15.00$	$-2.45^{+0.48}_{-1.44}$	75^{+63}_{-14}	$1.42^{+1.30}_{-0.70}$	11.5/8

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.118	0.074	0.168 ± 0.016	0.092 ± 0.033	1-2	$0.000 - 0.128$

KONUS-WIND GRB 111011
T_0 = 08114.204 s UT (02:15:14.204)
S1

data and folded model
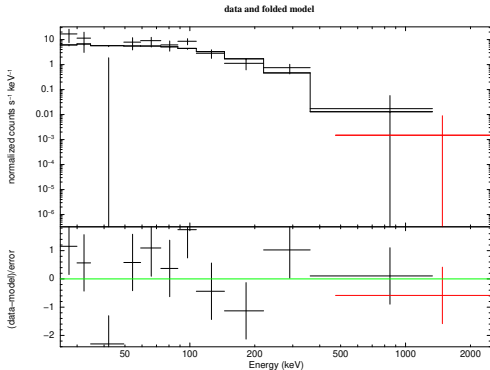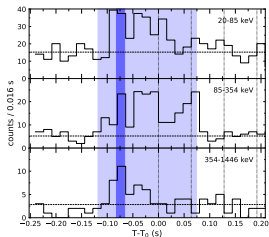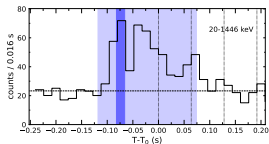
andromeda 13–Dec–2022 16:27

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.37^{+0.08}_{-0.08}$	...	...	$12.37^{+2.99}_{-2.77}$	42.5/21
CPL	$-0.73^{+0.39}_{-0.28}$	...	735^{+576}_{-255}	$5.02^{+2.15}_{-1.30}$	15.7/20
GRBM	$-0.73^{+0.74}_{-0.28}$	~ -9.37	735^{+551}_{-442}	$5.01^{+4.31}_{-0.87}$	15.7/19

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.048	0.148	0.144 ± 0.034	0.076 ± 0.015	1-3	$0.000 - 0.192$

KONUS-WIND GRB 111112
$T_0 = 78464.628$ s UT (21:47:44.628)
S2

data and folded model
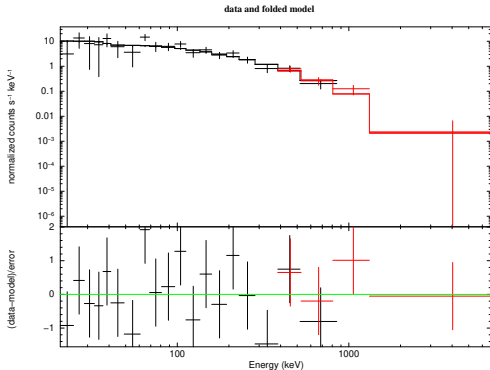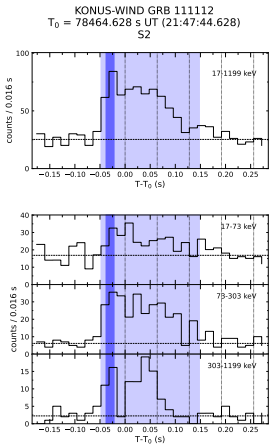
andromeda 13–Dec–2022 16:27

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.38^{+0.04}_{-0.04}$	...	...	$64.72^{+7.19}_{-7.08}$	177.8/35
CPL	$-0.69^{+0.14}_{-0.12}$	...	1524^{+289}_{-243}	$52.38^{+7.00}_{-6.64}$	47.5/34
GRBM	$-0.69^{+0.14}_{-0.11}$	~ -10.00	1526^{+286}_{-227}	$52.46^{+6.95}_{-6.70}$	47.5/33

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.204	0.496	0.326 ± 0.184	0.058 ± 0.006	1-2	$0.000 - 0.128$

KONUS-WIND GRB 111113
T_0 = 18613.625 s UT (05:10:13.625)
S2

data and folded model
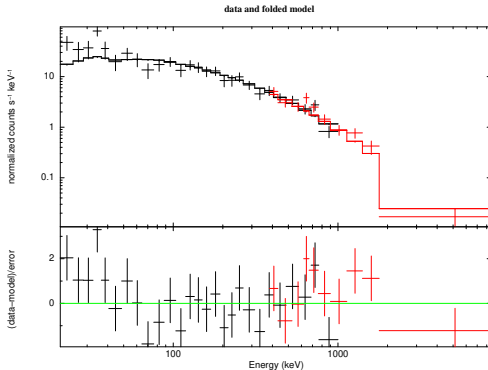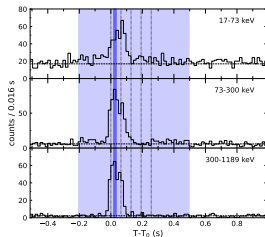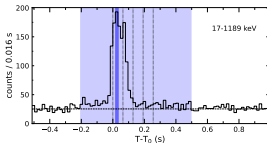
andromeda 13-Dec-2022 16:27

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.27^{+0.02}_{-0.03}$	...	...	$54.68^{+4.46}_{-4.44}$	442.5/56
CPL	$-0.48^{+0.10}_{-0.09}$	...	1875^{+270}_{-235}	$59.98^{+6.62}_{-6.33}$	65.5/55
GRBM	$-0.46^{+0.12}_{-0.10}$	~ -3.02	1761^{+303}_{-282}	$62.21^{+6.58}_{-6.67}$	63.7/54

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.054	10.448	7.134 ± 2.851	0.308 ± 0.012	1-4	$0.000 - 0.256$
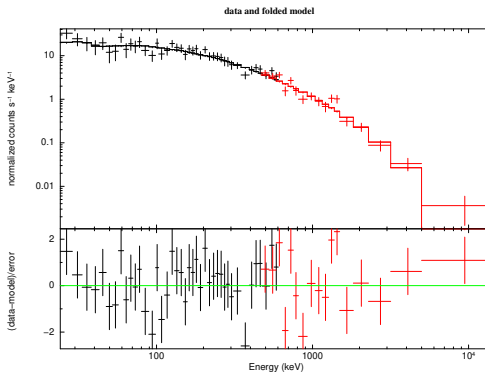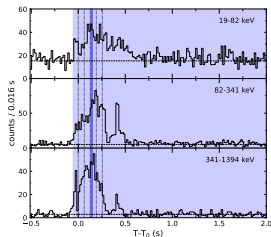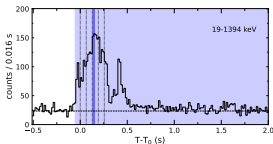
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.98^{+0.07}_{-0.08}$	...	...	$0.76^{+0.12}_{-0.10}$	159.0/97
CPL	$-0.32^{+0.43}_{-0.38}$	...	95^{+9}_{-8}	$0.33^{+0.03}_{-0.03}$	78.5/96
GRBM	$-0.32^{+0.42}_{-0.38}$	~ -9.32	94^{+9}_{-8}	$0.33^{+0.04}_{-0.03}$	78.5/95

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.226	1.408	1.352 ± 0.169	0.490 ± 0.059	1-5	$0.000 - 8.448$

KONUS-WIND GRB 111123
$T_0 = 33275.073$ s UT (09:14:35.073)
S1

data and folded model
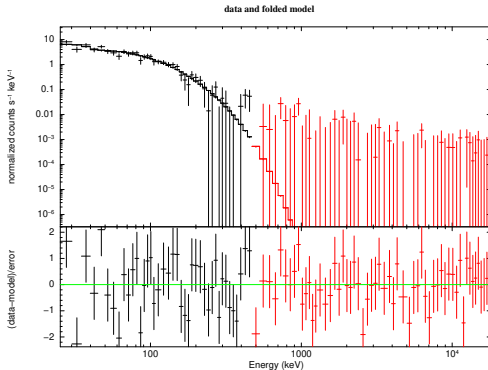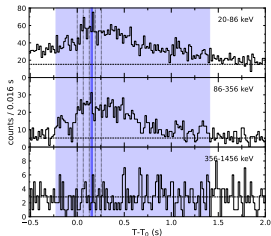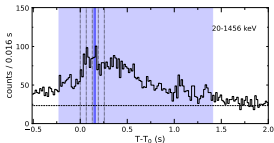
andromeda 13–Dec–2022 16:27

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.22^{+0.03}_{-0.03}$	...	...	$65.67^{+6.45}_{-6.26}$	324.6/50
CPL	$-0.34^{+0.14}_{-0.12}$	...	741^{+99}_{-87}	$24.10^{+2.44}_{-2.30}$	52.2/49
GRBM	$-0.34^{+0.20}_{-0.10}$	~ -4.83	738^{+100}_{-143}	$24.38^{+5.71}_{-1.44}$	52.2/48

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.028	0.296	0.270 ± 0.012	0.148 ± 0.013	1-4	$0.000 - 0.256$

KONUS-WIND GRB 111222
$T_0 = 53515.918$ s UT (14:51:55.918)
S2

data and folded model
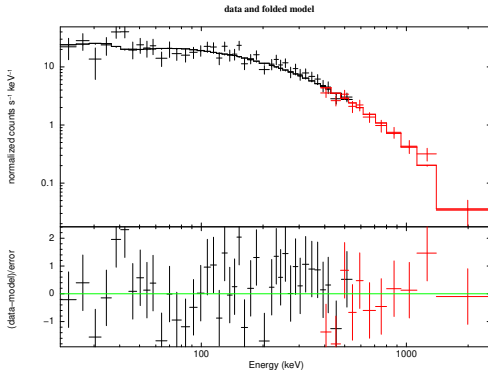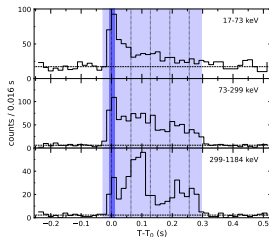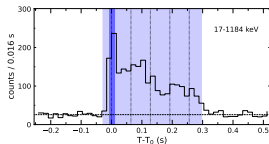
andromeda 13–Dec–2022 16:27

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.57^{+0.10}_{-0.11}$	...	...	$6.67^{+2.10}_{-1.82}$	15.6/22
CPL	$-1.29^{+0.42}_{-0.29}$	...	~ 726	$3.20^{+3.88}_{-1.13}$	12.1/21
GRBM	$-1.17^{+4.29}_{-0.38}$	~ -1.96	453^{+5868}_{-397}	$4.43^{+2.79}_{-2.23}$	11.4/20

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.034	0.592	0.588 ± 0.043	0.184 ± 0.130	1-4	$0.000 - 0.256$

KONUS-WIND GRB 120111
T_0 = 85033.464 s UT (23:37:13.464)
S1

data and folded model
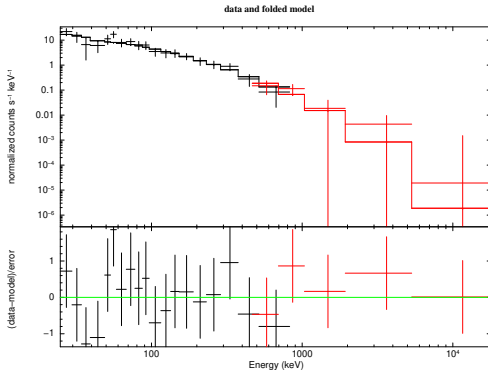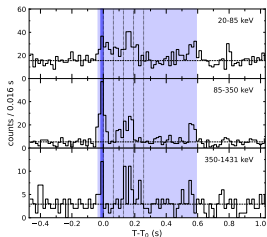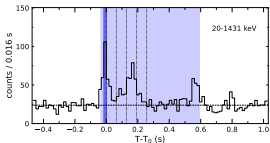
andromeda 13–Dec–2022 16:27

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-2.02^{+0.34}_{-0.44}$	...	...	$0.26^{+0.23}_{-0.10}$	79.6/94
CPL	~ -1.99	...	~ 10000	$0.27^{+0.06}_{-0.13}$	79.6/93
GRBM	~ -1.98	~ -2.00	~ 33	$0.27^{+0.14}_{-0.14}$	79.6/92

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.510	0.880	1.242 ± 0.139	0.564 ± 0.084	1-5	$0.000 - 8.448$

KONUS-WIND GRB 120217
$T_0 = 69834.117$ s UT (19:23:54.117)
S2

data and folded model
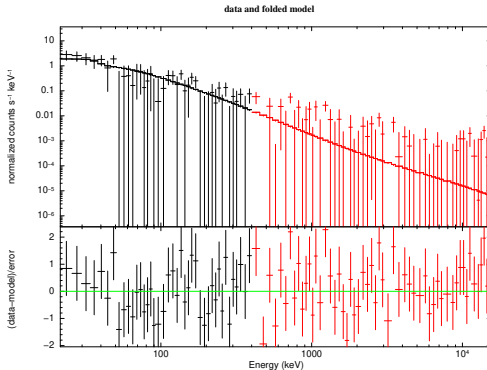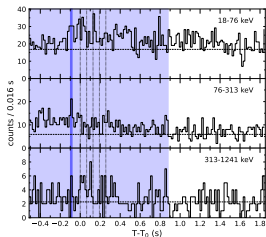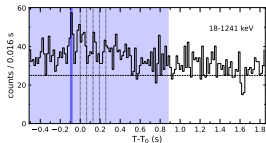
andromeda 13–Dec–2022 16:27

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.66^{+0.06}_{-0.07}$	...	...	$1.17^{+0.22}_{-0.20}$	144.1/90
CPL	$-0.69^{+0.33}_{-0.28}$	...	219^{+47}_{-34}	$0.41^{+0.06}_{-0.05}$	84.8/89
GRBM	$-0.68^{+0.30}_{-0.28}$	~ -9.23	218^{+48}_{-28}	$0.41^{+0.08}_{-0.05}$	84.8/88

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.434	2.000	1.254 ± 0.550	0.300 ± 0.029	1-5	$0.000 - 8.448$

KONUS-WIND GRB 120217
$T_0 = 78115.870$ s UT (21:41:55.870)
S2

data and folded model
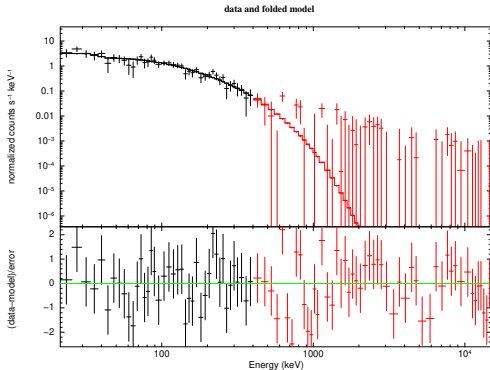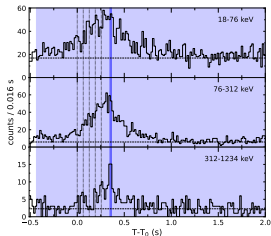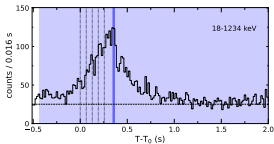
andromeda 13-Dec-2022 16:27

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.85^{+0.12}_{-0.13}$	...	...	$0.47^{+0.16}_{-0.12}$	137.6/89
CPL	$-0.92^{+0.58}_{-0.45}$	...	144^{+58}_{-34}	$0.20^{+0.05}_{-0.04}$	118.5/88
GRBM	$-0.94^{+0.61}_{-0.42}$	~ -10.00	144^{+58}_{-34}	$0.20^{+0.03}_{-0.04}$	118.5/87

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.162	0.832	0.866 ± 0.060	0.432 ± 0.036	1-5	$0.000 - 8.448$

KONUS-WIND GRB 120222
$T_0 = 01774.033$ s UT (00:29:34.033)
S2

data and folded model
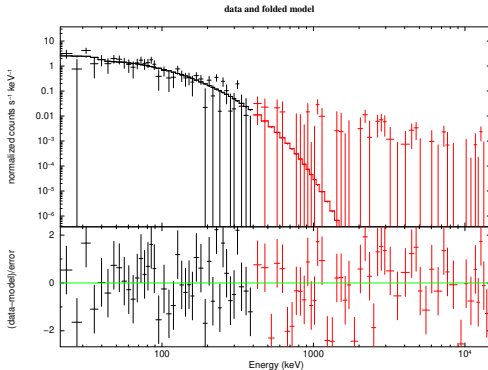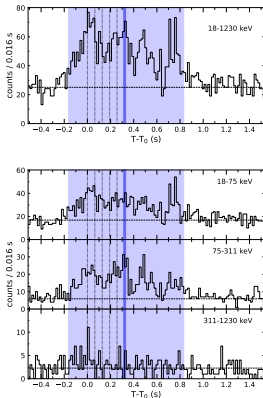
andromeda 13–Dec–2022 16:27

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.90^{+0.02}_{-0.03}$	...	...	$55.09^{+3.03}_{-2.97}$	169.9/48
CPL	$-1.53^{+0.07}_{-0.07}$	...	303^{+46}_{-37}	$38.34^{+2.18}_{-2.05}$	50.4/47
GRBM	$-1.39^{+0.53}_{-0.17}$	$-2.38^{+0.26}_{-1.05}$	214^{+102}_{-106}	$43.45^{+3.97}_{-4.69}$	46.4/46

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.012	0.458	0.284 ± 0.044	0.098 ± 0.007	1-4	$0.000 - 0.256$

KONUS-WIND GRB 120323
T_0 = 43815.970 s UT (12:10:15.970)
S2

data and folded model
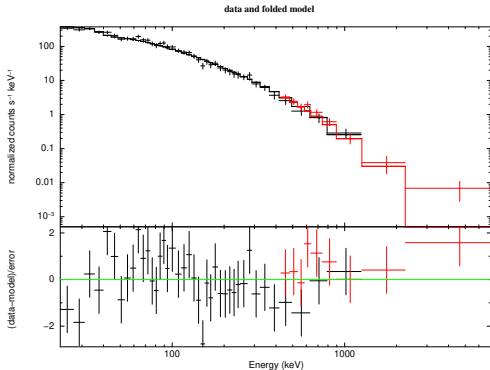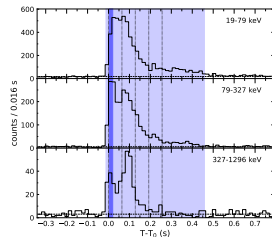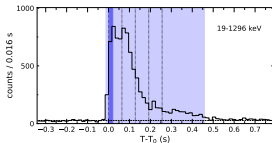
andromeda 13–Dec–2022 16:27

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.61^{+0.19}_{-0.25}$	...	...	$0.53^{+0.34}_{-0.25}$	112.0/99
CPL	$-0.21^{+1.77}_{-1.03}$	...	330^{+501}_{-123}	$0.20^{+0.15}_{-0.07}$	103.0/98
GRBM	$-0.22^{+0.22}_{-1.01}$	~ -9.37	331^{+499}_{-248}	$0.20^{+0.22}_{-0.07}$	103.0/97

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.438	0.768	0.912 ± 0.200	0.392 ± 0.034	1-5	$0.000 - 8.448$

KONUS-WIND GRB 120519
T_0 = 62298.004 s UT (17:18:18.004)
S2
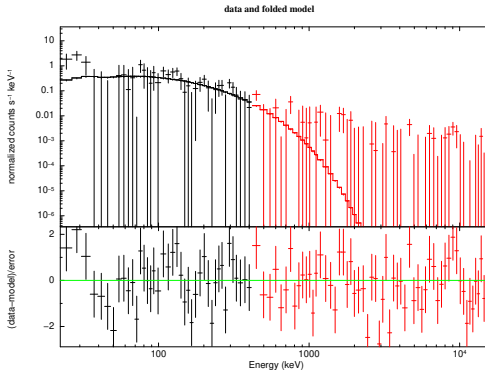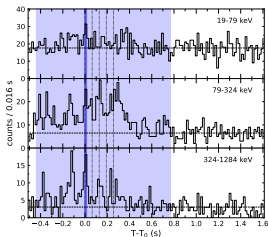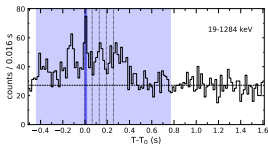
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.46^{+0.06}_{-0.06}$	...	...	$1.71^{+0.30}_{-0.28}$	152.6/90
CPL	$-0.41^{+0.36}_{-0.29}$	...	363^{+94}_{-62}	$0.52^{+0.09}_{-0.07}$	79.8/89
GRBM	$-0.41^{+0.41}_{-0.29}$	~ -4.51	363^{+92}_{-77}	$0.53^{+0.32}_{-0.07}$	79.8/88

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.214	0.510	0.458 ± 0.021	0.228 ± 0.020	1-5	$0.000 - 8.448$

KONUS-WIND GRB 120611
$T_0 = 22313.363$ s UT (06:11:53.363)
S2

data and folded model
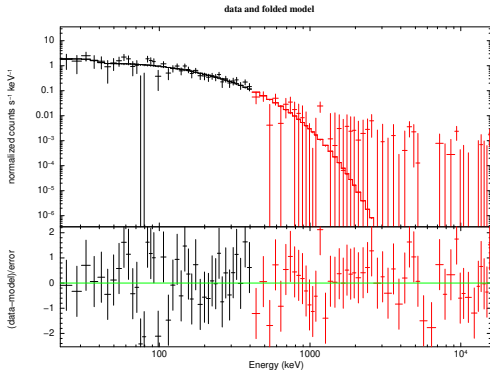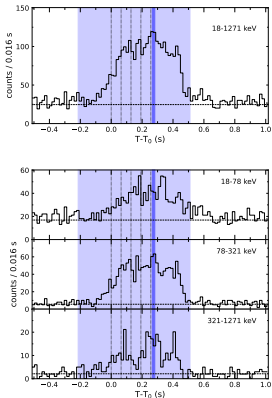
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.36^{+0.10}_{-0.11}$	...	...	$10.88^{+3.42}_{-3.03}$	33.6/18
CPL	$-0.78^{+0.44}_{-0.32}$	...	904^{+792}_{-309}	$4.65^{+2.08}_{-1.29}$	20.0/17
GRBM	$-0.79^{+0.43}_{-0.31}$	~ -9.37	907^{+677}_{-321}	$4.66^{+3.50}_{-1.24}$	20.0/16

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.060	0.192	0.202 ± 0.043	0.098 ± 0.014	1-3	$0.000 - 0.192$

KONUS-WIND GRB 120612
T_0 = 59382.804 s UT (16:29:42.804)
S1

data and folded model
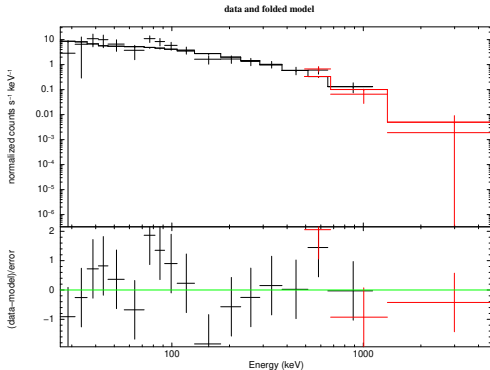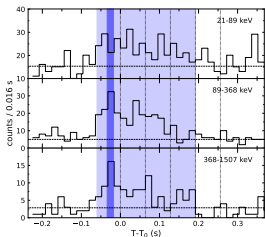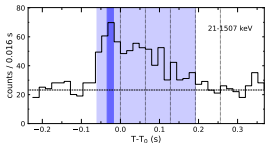
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.71^{+0.13}_{-0.15}$	...	...	$0.57^{+0.22}_{-0.17}$	97.2/91
CPL	$-0.55^{+0.89}_{-0.64}$	...	187^{+107}_{-48}	$0.20^{+0.06}_{-0.04}$	81.9/90
GRBM	$-0.56^{+2.56}_{-0.60}$	~ -10.00	187^{+107}_{-48}	$0.20^{+0.03}_{-0.04}$	81.9/89

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.040	0.416	0.364 ± 0.048	0.092 ± 0.011	1-5	$0.000 - 8.448$

KONUS-WIND GRB 120617
T_0 = 54167.025 s UT (15:02:47.025)
S2
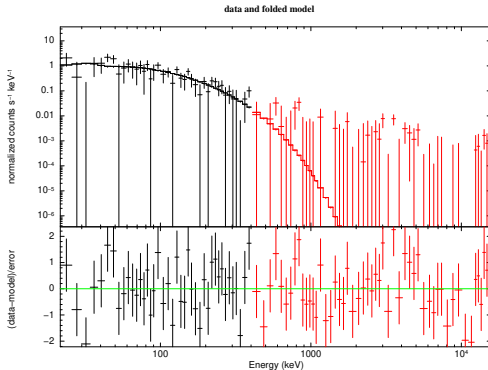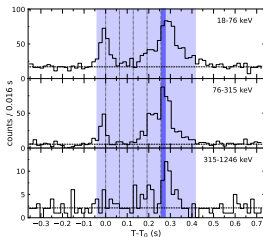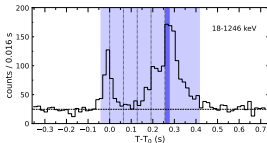
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.24^{+0.02}_{-0.02}$	...	...	$102.41^{+6.64}_{-6.64}$	318.5/62
CPL	$-0.70^{+0.08}_{-0.07}$	...	3454^{+550}_{-477}	$117.19^{+10.60}_{-10.92}$	63.0/61
GRBM	$-0.67^{+0.11}_{-0.09}$	$-2.53^{+0.45}_{-1.83}$	3041^{+696}_{-677}	$114.70^{+10.73}_{-10.31}$	59.9/60

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.086	22.352	20.826 ± 6.973	0.178 ± 0.012	1-4	$0.000 - 0.256$

KONUS-WIND GRB 120624
T_0 = 26662.982 s UT (07:24:22.982)
S2

data and folded model
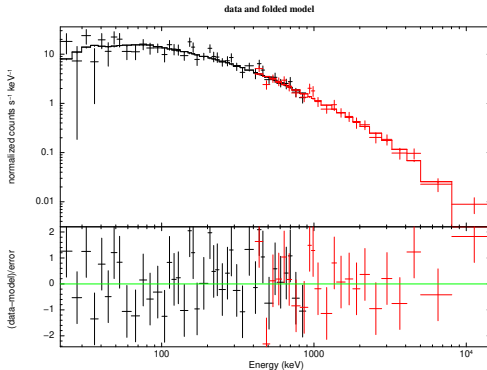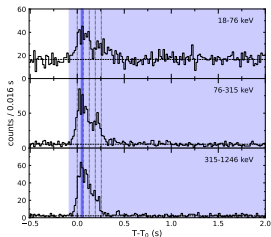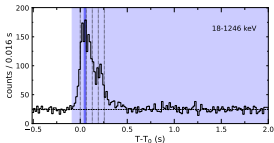
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Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.34^{+0.07}_{-0.08}$	...	...	$16.87^{+3.81}_{-3.59}$	51.7/23
CPL	$-0.55^{+0.46}_{-0.36}$	...	812^{+555}_{-223}	$7.21^{+2.60}_{-1.57}$	25.9/22
GRBM	$-0.49^{+0.48}_{-0.37}$	~ -2.43	748^{+497}_{-228}	$9.21^{+4.45}_{-3.30}$	25.1/21

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.038	0.182	0.206 ± 0.021	0.110 ± 0.019	1-3	$0.000 - 0.192$

KONUS-WIND GRB 120802
$T_0 = 39233.231$ s UT (10:53:53.231)
S1

data and folded model
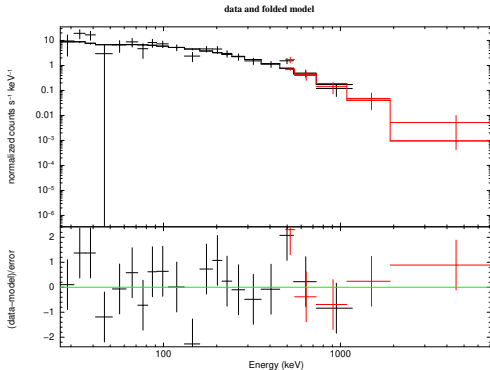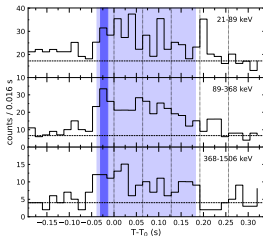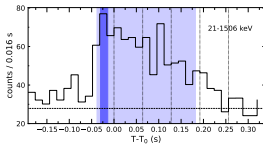
andromeda 13–Dec–2022 16:27

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-2.08^{+0.16}_{-0.18}$	...	...	$3.83^{+1.08}_{-0.88}$	31.8/20
CPL	$-0.65^{+1.35}_{-0.81}$	...	122^{+47}_{-29}	$2.09^{+0.59}_{-0.50}$	17.1/19
GRBM	$-0.64^{+4.92}_{-0.82}$	~ -10.00	121^{+47}_{-29}	$2.09^{+0.34}_{-0.50}$	17.1/18

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.438	0.406	0.768 ± 0.127	0.328 ± 0.059	1-4	$0.000 - 0.256$

KONUS-WIND GRB 120804
T_0 = 03255.749 s UT (00:54:15.749)
S2

data and folded model
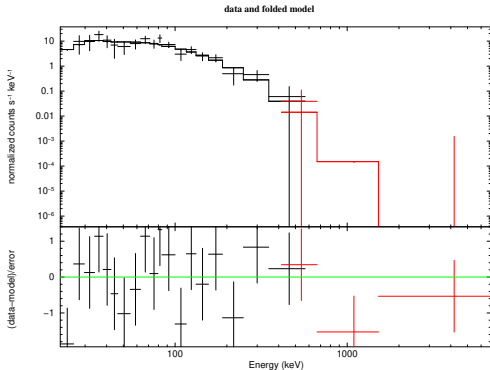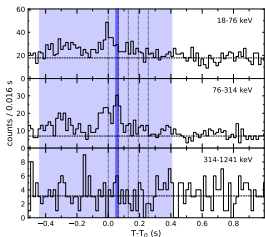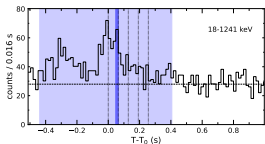
andromeda 13–Dec–2022 16:27

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.20^{+0.05}_{-0.05}$	...	...	$24.41^{+3.69}_{-3.59}$	130.3/30
CPL	$-0.12^{+0.32}_{-0.25}$	...	1153^{+284}_{-208}	$13.69^{+2.61}_{-2.20}$	15.0/29
GRBM	$-0.09^{+0.34}_{-0.27}$	~ -3.62	1123^{+289}_{-229}	$14.37^{+3.83}_{-2.26}$	14.8/28

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.066	0.296	0.306 ± 0.028	0.192 ± 0.024	1-4	$0.000 - 0.256$

KONUS-WIND GRB 120811
$T_0 = 01231.575$ s UT (00:20:31.575)
S1

data and folded model
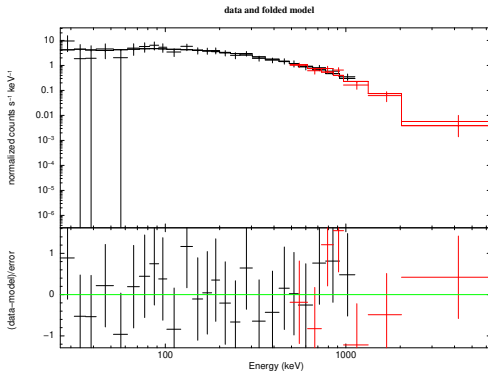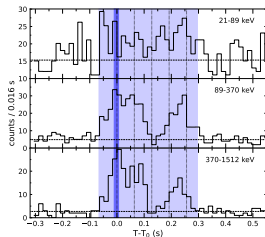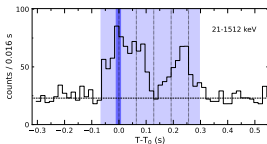
andromeda 13–Dec–2022 16:27

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.31^{+0.01}_{-0.01}$	...	...	$99.36^{+3.86}_{-3.87}$	1448.4/75
CPL	$-0.62^{+0.04}_{-0.04}$	...	2349^{+148}_{-142}	$123.75^{+5.79}_{-5.79}$	99.0/74
GRBM	$-0.62^{+0.04}_{-0.04}$	~ -4.16	2324^{+156}_{-162}	$123.84^{+5.74}_{-5.74}$	98.3/73

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.048	18.192	7.272 ± 3.573	0.392 ± 0.018	1-5	$0.000 - 0.768$

KONUS-WIND GRB 120816
$T_0 = 86298.852$ s UT (23:58:18.852)
S2

data and folded model
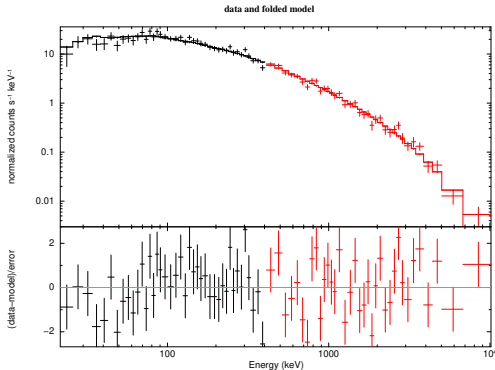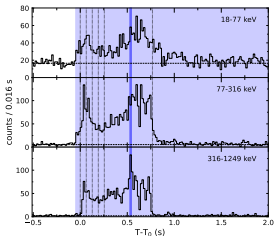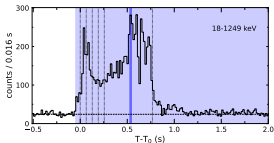
andromeda 13–Dec–2022 16:27

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.67^{+0.20}_{-0.23}$	...	...	$0.42^{+0.23}_{-0.17}$	94.3/99
CPL	$-0.40^{+2.28}_{-1.20}$	...	215^{+1266}_{-74}	$0.13^{+0.19}_{-0.04}$	90.4/98
GRBM	$\sim +0.13$	~ -2.35	175^{+434}_{-109}	$0.19^{+0.27}_{-0.10}$	89.3/97

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.048	18.192	7.272 ± 3.573	0.392 ± 0.018	6-7	$0.768 - 17.152$

KONUS-WIND GRB 120816
T_0 = 86298.852 s UT (23:58:18.852)
S2

data and folded model
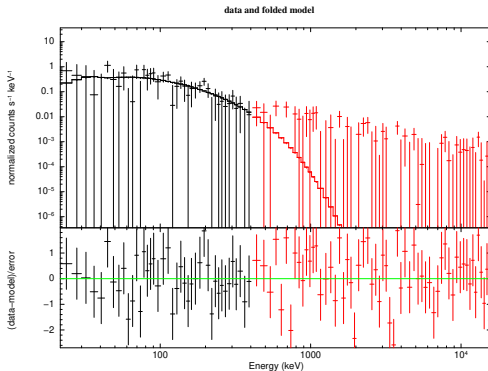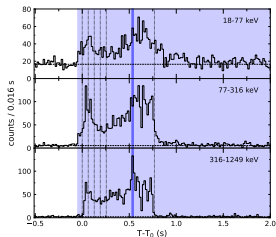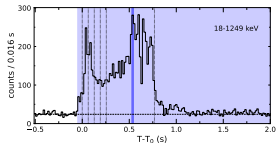
andromeda 13–Dec–2022 16:27

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.29^{+0.06}_{-0.06}$	...	...	$71.53^{+11.95}_{-11.46}$	38.4/16
CPL	$-0.95^{+0.18}_{-0.15}$	...	1897^{+1323}_{-675}	$42.44^{+13.57}_{-10.52}$	19.1/15
GRBM	$-0.23^{+2.42}_{-0.85}$	~ -1.53	327^{+2109}_{-218}	$57.49^{+13.38}_{-23.79}$	18.3/14

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.016	0.042	0.042 ± 0.010	0.016 ± 0.004	1	$0.000 - 0.064$

KONUS-WIND GRB 120817
T_0 = 14553.388 s UT (04:02:33.388)
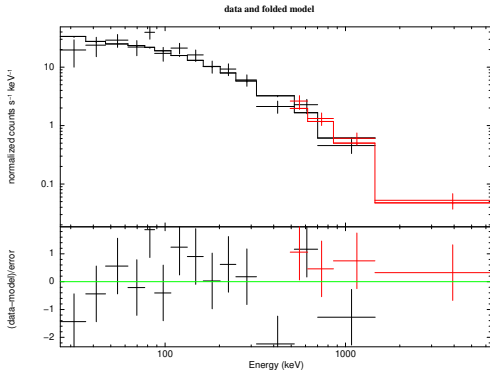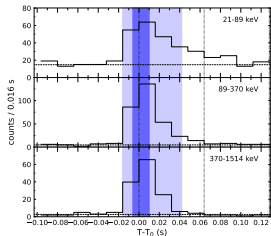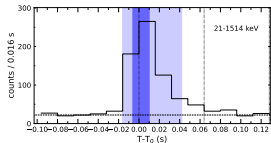
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.36^{+0.09}_{-0.10}$	...	...	$1.19^{+0.34}_{-0.31}$	128.8/95
CPL	$-0.56^{+0.50}_{-0.35}$	...	1006^{+755}_{-381}	$0.61^{+0.31}_{-0.20}$	101.5/94
GRBM	$-0.56^{+0.51}_{-0.35}$	~ -10.00	1007^{+755}_{-381}	$0.61^{+0.09}_{-0.20}$	101.5/93

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.154	0.944	0.836 ± 0.144	0.464 ± 0.045	1-5	$0.000 - 8.448$

KONUS-WIND GRB 120830
T_0 = 25623.562 s UT (07:03.562)
S1

data and folded model
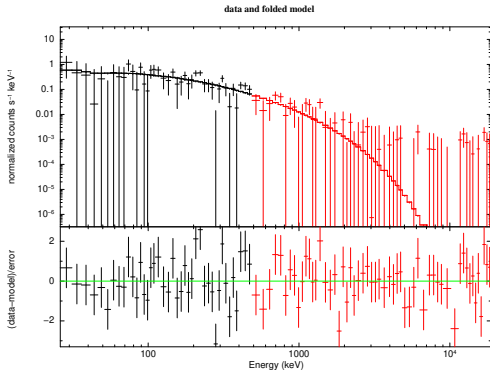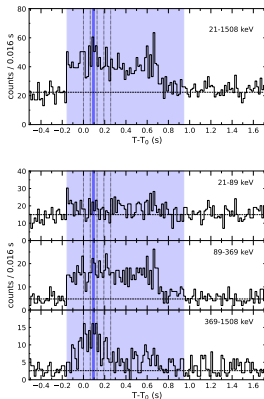
andromeda 13-Dec-2022 16:27

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.91^{+0.11}_{-0.12}$	...	...	$0.57^{+0.16}_{-0.13}$	101.5/96
CPL	$-0.87^{+0.57}_{-0.48}$	...	108^{+31}_{-19}	$0.24^{+0.04}_{-0.04}$	84.2/95
GRBM	$-0.89^{+0.78}_{-0.45}$	~ -4.90	108^{+31}_{-22}	$0.25^{+0.13}_{-0.04}$	84.1/94

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.282	1.744	1.668 ± 0.385	0.630 ± 0.110	1-5	$0.000 - 8.448$

KONUS-WIND GRB 120921
T_0 = 75784.073 s UT (21:03:04.073)
S1

data and folded model
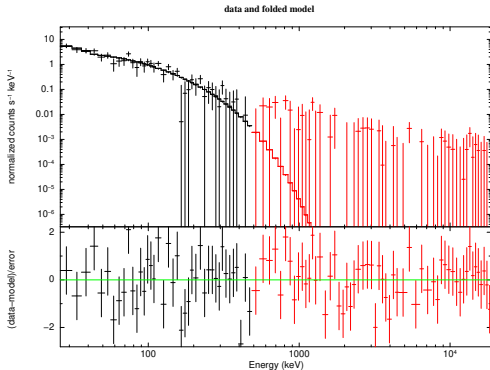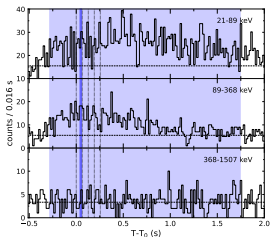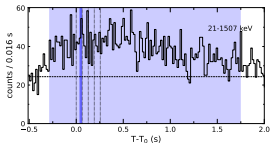
andromeda 13-Dec-2022 16:27

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.27^{+0.08}_{-0.08}$	...	...	$20.95^{+4.91}_{-4.61}$	51.5/16
CPL	$-0.18^{+0.61}_{-0.40}$	...	728^{+331}_{-194}	$8.27^{+2.54}_{-1.87}$	8.4/15
GRBM	$-0.08^{+0.79}_{-0.48}$	~ -2.91	662^{+360}_{-214}	$9.39^{+4.87}_{-2.43}$	8.2/14

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.172	0.124	0.282 ± 0.007	0.156 ± 0.024	1-2	$0.000 - 0.128$

KONUS-WIND GRB 121011
T_0 = 81140.083 s UT (22:32:20.083)
S2
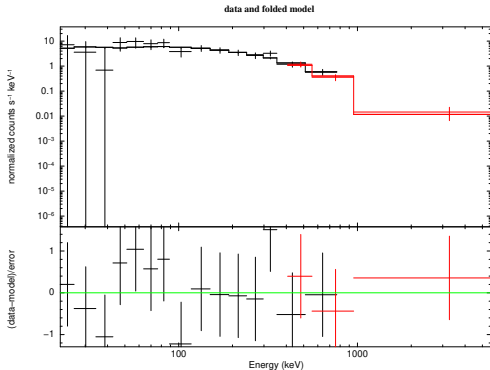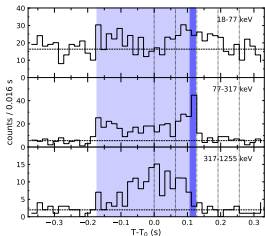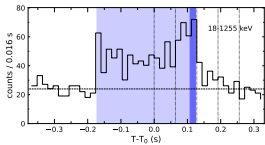
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.41^{+0.15}_{-0.15}$	...	...	$5.73^{+2.44}_{-2.10}$	52.5/17
CPL	$+0.69^{+1.39}_{-0.89}$	...	596^{+238}_{-142}	$3.06^{+0.94}_{-0.81}$	22.9/16
GRBM	$+0.68^{+7.55}_{-0.88}$	~ -10.00	596^{+238}_{-106}	$3.06^{+0.65}_{-0.81}$	22.9/15

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.160	0.208	0.322 ± 0.037	0.154 ± 0.040	1-4	$0.000 - 0.256$

KONUS-WIND GRB 121012
$T_0 = 62541.924$ s UT (17:22:21.924)
S1

data and folded model
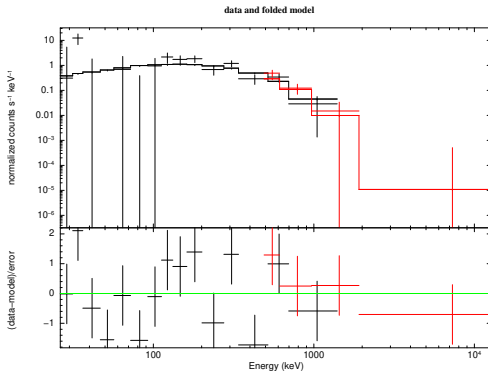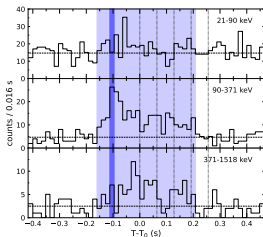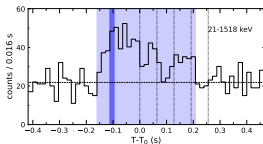
andromeda 13–Dec–2022 16:27

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.31^{+0.05}_{-0.06}$	...	...	$19.37^{+3.19}_{-3.12}$	79.2/24
CPL	$-0.42^{+0.40}_{-0.29}$	...	969^{+511}_{-273}	$10.37^{+3.28}_{-2.20}$	16.0/23
GRBM	$+0.09^{+0.84}_{-0.58}$	$-2.02^{+0.26}_{-0.81}$	576^{+417}_{-172}	$14.91^{+3.88}_{-4.05}$	11.7/22

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.044	0.528	0.520 ± 0.067	0.084 ± 0.013	1-3	$0.000 - 0.192$

KONUS-WIND GRB 121127
$T_0 = 78957.290$ s UT (21:55:57.290)
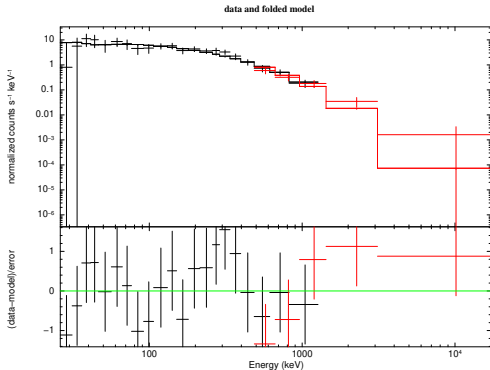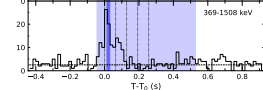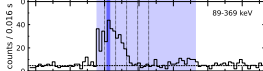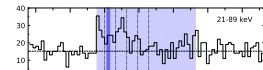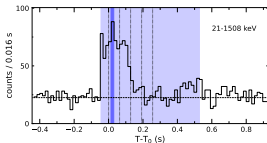
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.67^{+0.25}_{-0.31}$	...	...	$3.01^{+2.23}_{-1.53}$	7.9/14
CPL	$-0.81^{+2.37}_{-1.04}$	...	~ 269	$1.11^{+2.64}_{-0.51}$	6.4/13
GRBM	~ -0.47	~ -2.18	~ 198	$1.71^{+2.60}_{-1.03}$	6.0/12

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.428	0.188	0.556 ± 0.056	0.220 ± 0.050	1-3	$0.000 - 0.192$

KONUS-WIND GRB 130112
T_0 = 30467.647 s UT (08:27:47.647)
S1

data and folded model
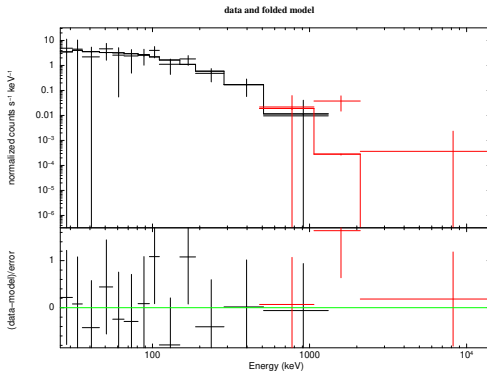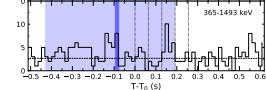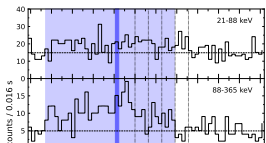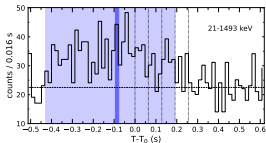
andromeda 13–Dec–2022 16:27

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.19^{+0.24}_{-0.22}$	...	...	$15.31^{+9.85}_{-6.93}$	7.4/10
CPL	$-0.38^{+1.68}_{-0.76}$	...	712^{+4063}_{-365}	$3.60^{+7.22}_{-1.62}$	3.9/9
GRBM	$\sim +0.64$	~ -1.74	330^{+2852}_{-267}	$7.24^{+10.46}_{-4.73}$	3.5/8

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.184	0.092	0.252 ± 0.019	0.150 ± 0.022	1-2	$0.000 - 0.128$

KONUS-WIND GRB 130307
T_0 = 10908.398 s UT (03:01:48.398)
S2

data and folded model
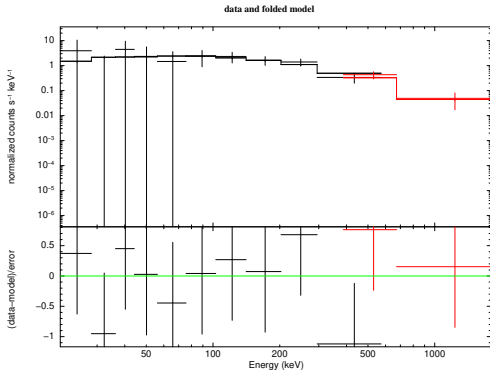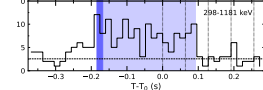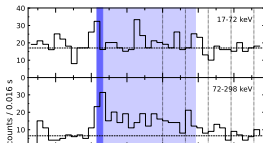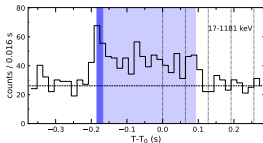
andromeda 13–Dec–2022 16:30

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.41^{+0.03}_{-0.03}$	...	...	$5.04^{+0.45}_{-0.44}$	153.0/98
CPL	$-1.10^{+0.11}_{-0.09}$	...	1627^{+821}_{-505}	$3.06^{+0.75}_{-0.61}$	90.5/97
GRBM	$-0.82^{+0.29}_{-0.23}$	$-1.76^{+0.13}_{-0.31}$	573^{+562}_{-217}	$3.66^{+0.57}_{-0.57}$	82.3/96

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.064	27.024	19.374 ± 4.166	0.590 ± 0.041	1-5	$0.000 - 8.448$

KONUS-WIND GRB 130310
$T_0 = 72588.897$ s UT (20:09:48.897)
S1

data and folded model
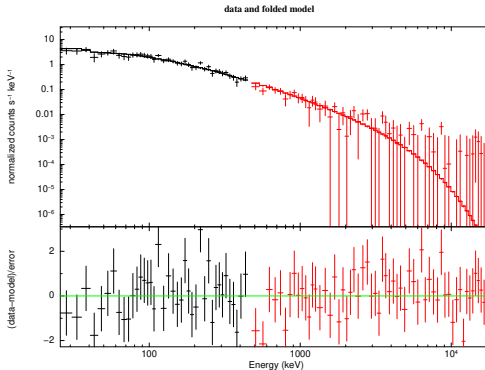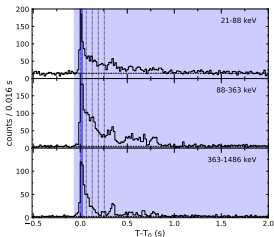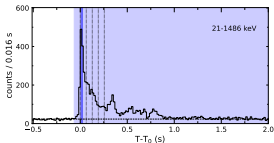
andromeda 13–Dec–2022 16:31

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-0.91^{+0.13}_{-0.12}$	...	...	$103.36^{+32.98}_{-27.21}$	5.9/10
CPL	$-0.54^{+0.52}_{-0.37}$	...	~ 1851	$28.58^{+56.04}_{-11.83}$	3.8/9
GRBM	$-0.54^{+1.99}_{-0.30}$	~ -2.77	1851^{+4740}_{-778}	$31.08^{+0.00}_{-10.87}$	3.8/8

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.040	0.048	0.074 ± 0.008	0.030 ± 0.010	1	$0.000 - 0.064$

KONUS-WIND GRB 130416
T_0 = 66529.430 s UT (18:28:49.430)
S1

data and folded model

andromeda 13–Dec–2022 16:31

GRB20130504_T27119
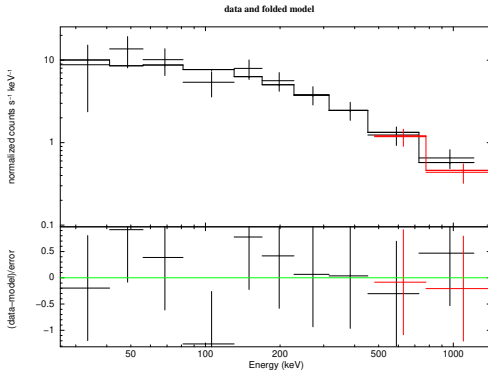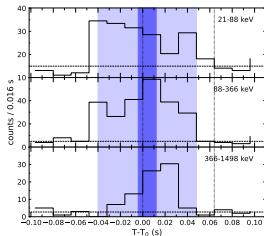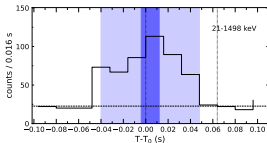
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.47^{+0.04}_{-0.04}$	...	...	$23.99^{+2.97}_{-2.95}$	235.1/37
CPL	$-0.39^{+0.23}_{-0.19}$	...	1009^{+195}_{-160}	$19.95^{+2.84}_{-2.56}$	40.2/36
GRBM	$-0.41^{+0.25}_{-0.17}$	~ -10.00	1010^{+194}_{-161}	$19.98^{+1.95}_{-2.58}$	40.2/35

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.040	0.358	0.358 ± 0.014	0.240 ± 0.016	1-4	$0.000 - 0.256$

KONUS-WIND GRB 130504
$T_0 = 27119.723$ s UT (07:31:59.723)
S2

data and folded model
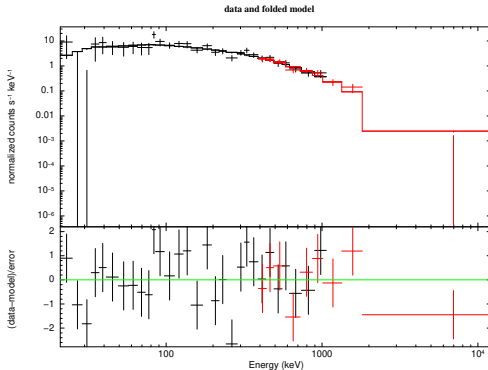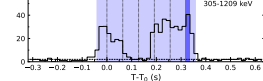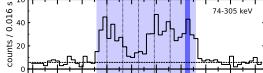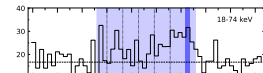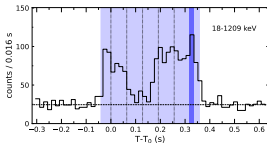
andromeda 13–Dec–2022 16:31

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.31^{+0.16}_{-0.17}$	...	...	$14.47^{+7.59}_{-6.12}$	33.1/20
CPL	$+0.07^{+1.46}_{-0.81}$	...	316^{+284}_{-122}	$2.91^{+1.69}_{-1.12}$	21.5/19
GRBM	$\sim +3.49$	~ -1.82	125^{+341}_{-77}	$6.93^{+6.58}_{-4.67}$	19.6/18

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.026	0.094	0.102 ± 0.013	0.050 ± 0.019	1-2	$0.000 - 0.128$

KONUS-WIND GRB 130515
T_0 = 04880.440 s UT (01:21:20.440)
S1

data and folded model
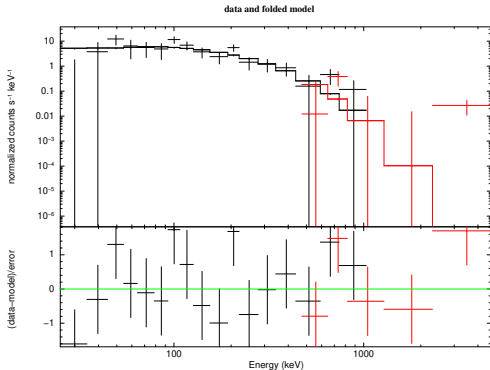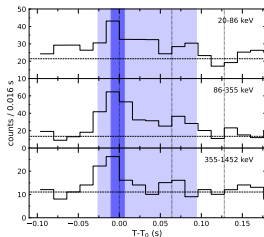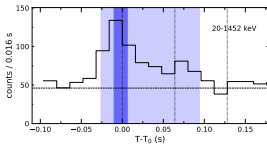
andromeda 13–Dec–2022 16:31

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.32^{+0.04}_{-0.04}$	...	...	$129.77^{+15.23}_{-14.51}$	144.5/33
CPL	$-0.50^{+0.17}_{-0.15}$	...	654^{+97}_{-78}	$46.19^{+4.45}_{-4.13}$	27.0/32
GRBM	$-0.50^{+0.19}_{-0.11}$	~ -9.37	654^{+96}_{-101}	$46.20^{+12.87}_{-2.97}$	27.0/31

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.006	0.120	0.070 ± 0.009	0.034 ± 0.005	1-2	$0.000 - 0.128$

KONUS-WIND GRB 130603
T_0 = 56956.448 s UT (15:49:16.448)
S2

data and folded model

andromeda 13–Dec–2022 16:31

GRB20130628_T74284
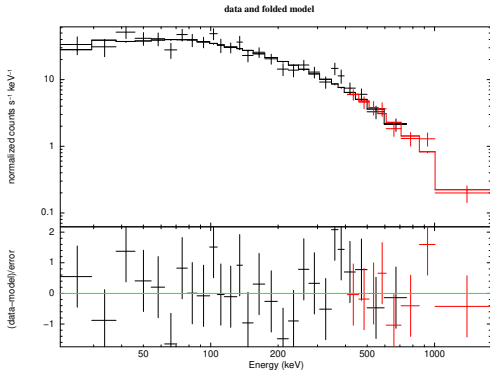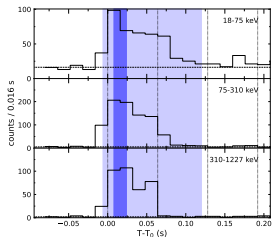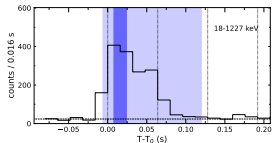
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.32^{+0.23}_{-0.24}$	...	...	$15.16^{+10.33}_{-7.56}$	7.2/5
CPL	$-0.39^{+2.10}_{-0.95}$	...	~ 625	$4.87^{+9.64}_{-2.17}$	4.3/4
GRBM	$-0.39^{+4.40}_{-0.95}$	~ -9.37	~ 625	$4.87^{+0.00}_{-2.09}$	4.3/3

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.024	0.560	0.536 ± 0.091	0.382 ± 0.122	1	$0.000 - 0.064$

KONUS-WIND GRB 130628
$T_0 = 74284.903$ s UT (20:38:04.903)
S2

data and folded model
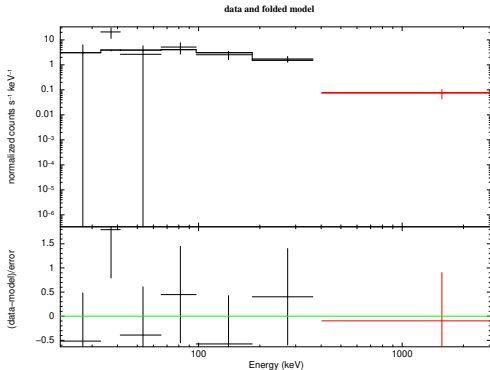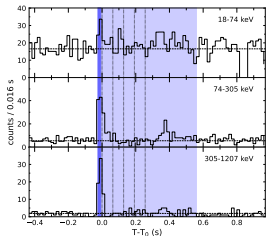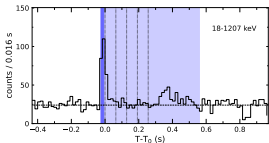
andromeda 13–Dec–2022 16:31

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.32^{+0.07}_{-0.07}$	...	...	$2.25^{+0.42}_{-0.40}$	134.1/96
CPL	$-0.38^{+0.41}_{-0.32}$	...	876^{+383}_{-228}	$0.93^{+0.29}_{-0.21}$	92.3/95
GRBM	$-0.36^{+0.44}_{-0.35}$	~ -2.77	835^{+422}_{-278}	$1.09^{+0.60}_{-0.37}$	92.2/94

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.230	1.376	1.310 ± 0.137	0.640 ± 0.064	1-5	$0.000 - 8.448$

KONUS-WIND GRB 130701
$T_0 = 65732.727$ s UT (18:15:32.727)
S1

data and folded model
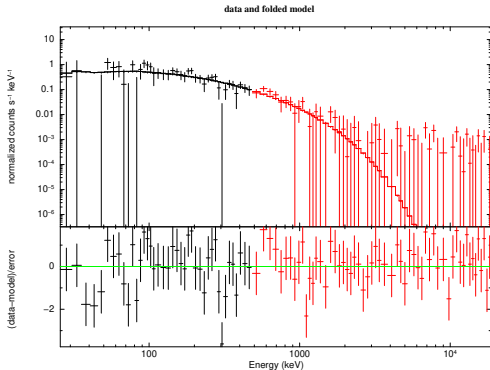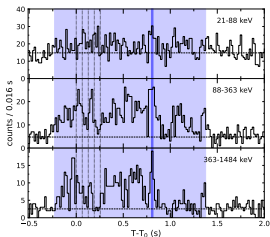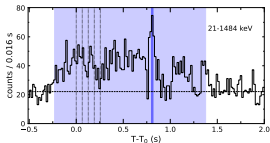
andromeda 13–Dec–2022 16:31

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.21^{+0.09}_{-0.09}$	...	...	$15.14^{+3.94}_{-3.79}$	45.4/13
CPL	$-0.07^{+0.71}_{-0.54}$	...	793^{+734}_{-257}	$5.96^{+3.35}_{-1.70}$	17.5/12
GRBM	$\sim +1.72$	$-1.71^{+0.37}_{-0.44}$	291^{+339}_{-194}	$11.56^{+4.31}_{-4.00}$	11.6/11

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.144	0.110	0.230 ± 0.021	0.112 ± 0.026	1-2	$0.000 - 0.128$

KONUS-WIND GRB 130720
$T_0 = 66216.645$ s UT (18:23:36.645)
S1

data and folded model
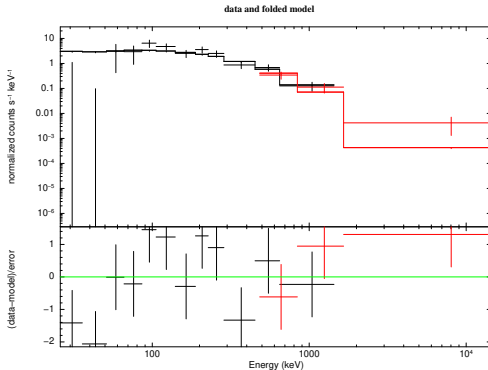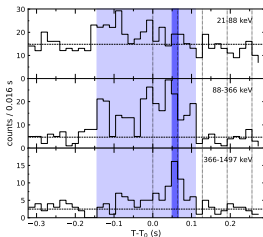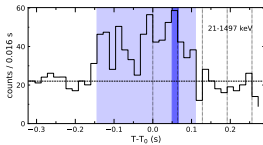
andromeda 13–Dec–2022 16:31

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.64^{+0.07}_{-0.08}$	...	...	$10.81^{+2.54}_{-2.38}$	81.3/17
CPL	$-0.54^{+0.36}_{-0.29}$	...	419^{+121}_{-85}	$6.85^{+1.38}_{-1.22}$	19.0/16
GRBM	$-0.54^{+0.36}_{-0.30}$	~ -10.00	418^{+121}_{-85}	$6.85^{+0.76}_{-1.21}$	19.0/15

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.102	0.800	0.864 ± 0.025	0.056 ± 0.436	1-2	$0.000 - 0.128$

KONUS-WIND GRB 130804
$T_0 = 01997.053$ s UT (00:33:17.053)
S1
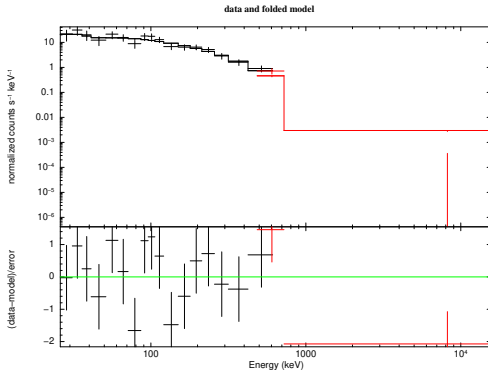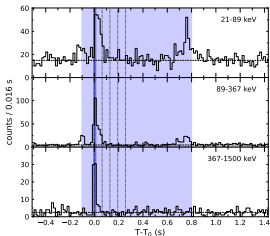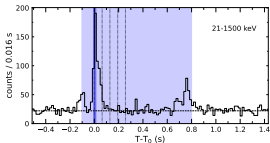
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.61^{+0.12}_{-0.14}$	...	...	$6.69^{+2.15}_{-1.91}$	28.9/20
CPL	$-1.24^{+0.66}_{-0.32}$	...	911^{+3307}_{-546}	$4.07^{+3.38}_{-1.61}$	22.3/19
GRBM	$-0.27^{+2.86}_{-1.27}$	~ -1.94	234^{+2157}_{-108}	$4.92^{+2.34}_{-2.35}$	22.0/18

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.114	0.256	0.314 ± 0.031	0.168 ± 0.039	1-4	$0.000 - 0.256$

KONUS-WIND GRB 130912
T_0 = 30902.290 s UT (08:35:02.290)
S1

data and folded model

andromeda 13–Dec–2022 16:31

GRB20131126_T14048
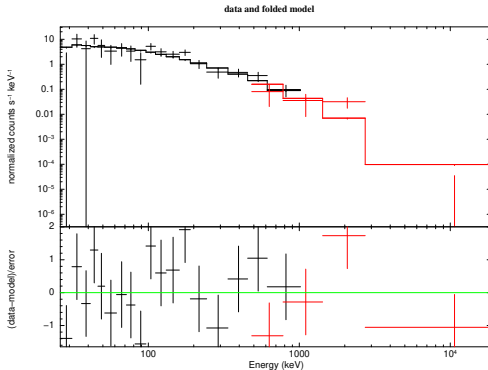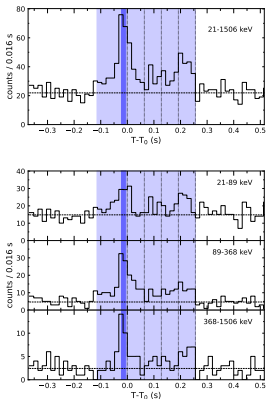
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.22^{+0.05}_{-0.05}$	...	...	$48.53^{+7.77}_{-7.33}$	94.3/26
CPL	$-0.42^{+0.24}_{-0.20}$	...	742^{+187}_{-138}	$16.09^{+2.74}_{-2.36}$	18.5/25
GRBM	$-0.39^{+0.32}_{-0.21}$	~ -3.24	711^{+137}_{-193}	$17.38^{+7.50}_{-2.56}$	18.5/24

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.018	0.126	0.122 ± 0.013	0.062 ± 0.010	1-2	$0.000 - 0.128$

KONUS-WIND GRB 131126
T_0 = 14048.270 s UT (03:54:08.270)
S2

data and folded model
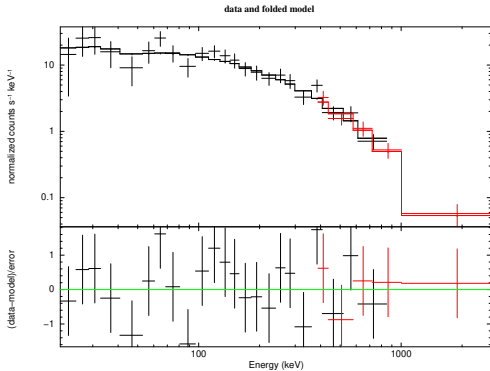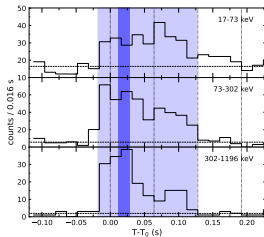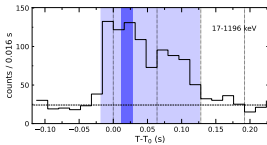
andromeda 13–Dec–2022 16:31

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.88^{+0.05}_{-0.05}$	...	...	$2.02^{+0.20}_{-0.19}$	161.0/84
CPL	$-1.05^{+0.23}_{-0.20}$	...	186^{+30}_{-23}	$0.96^{+0.09}_{-0.08}$	79.4/83
GRBM	$-1.04^{+0.22}_{-0.21}$	~ -10.00	186^{+30}_{-23}	$0.96^{+0.05}_{-0.08}$	79.4/82

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.076	1.312	0.714 ± 0.231	0.226 ± 0.017	1-5	$0.000 - 8.448$

KONUS-WIND GRB 140209
T_0 = 27060.493 s UT (07:31:00.493)
S2

data and folded model
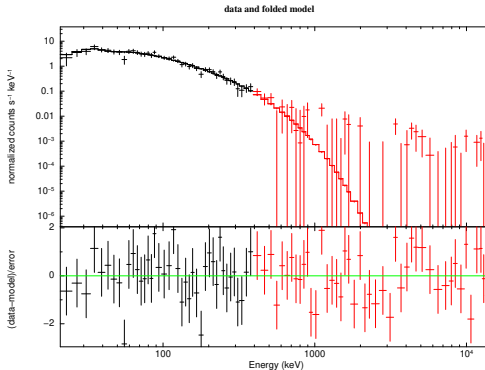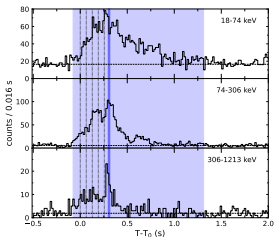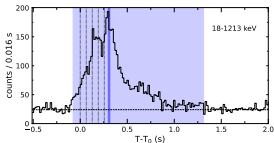
andromeda 13-Dec-2022 16:31

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.42^{+0.15}_{-0.19}$	...	...	$0.66^{+0.33}_{-0.28}$	87.8/90
CPL	$-0.29^{+1.59}_{-0.75}$	...	763^{+874}_{-278}	$0.31^{+0.20}_{-0.12}$	77.5/89
GRBM	$-0.23^{+1.52}_{-0.81}$	~ -10.00	765^{+871}_{-281}	$0.31^{+0.07}_{-0.12}$	77.5/88

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.392	0.656	0.968 ± 0.044	0.512 ± 0.051	1-5	$0.000 - 8.448$

KONUS-WIND GRB 140414
T_0 = 80738.336 s UT (22:25:38.336)
S1

data and folded model
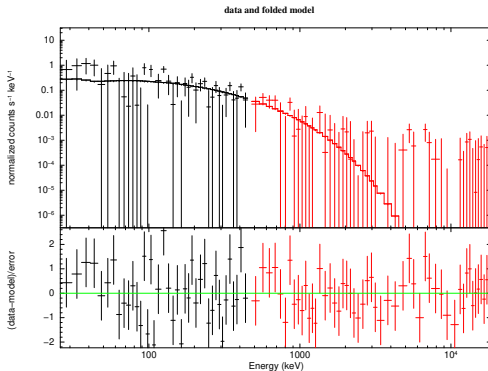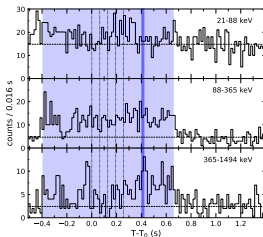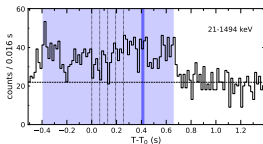
andromeda 13-Dec-2022 16:31

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.30^{+0.11}_{-0.11}$	...	...	$8.83^{+2.86}_{-2.60}$	31.5/16
CPL	$-0.48^{+0.74}_{-0.42}$	...	734^{+720}_{-300}	$3.25^{+1.94}_{-1.10}$	12.2/15
GRBM	$-0.45^{+1.78}_{-0.45}$	~ -3.48	709^{+721}_{-488}	$3.41^{+3.36}_{-0.78}$	12.1/14

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.064	0.168	0.182 ± 0.048	0.058 ± 0.017	1-3	$0.000 - 0.192$

KONUS-WIND GRB 140428
T_0 = 78275.456 s UT (21:44:35.456)
S2

data and folded model
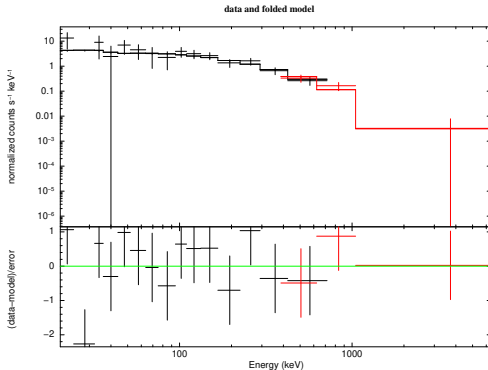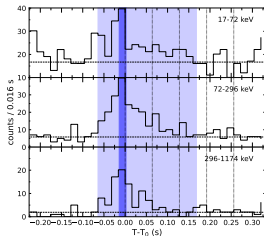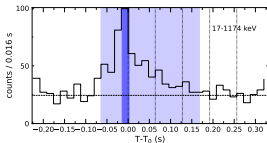
andromeda 13–Dec–2022 16:31

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	~ -1.89	...	...	~ 0.05	$65.6/87$
CPL	$\sim +9.62$	...	194^{+158}_{-140}	$0.03^{+0.03}_{-0.03}$	$62.8/86$
GRBM	$\sim +9.69$	~ -10.00	193^{+76}_{-58}	$0.03^{+0.03}_{-0.02}$	$62.8/85$

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.168	1.408	0.444 ± 0.810	0.102 ± 0.020	1-5	$0.000 - 8.448$

KONUS-WIND GRB 140501
T_0 = 06310.637 s UT (01:45:10.637)
S2

data and folded model
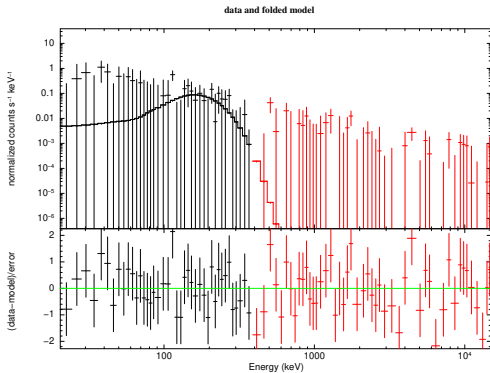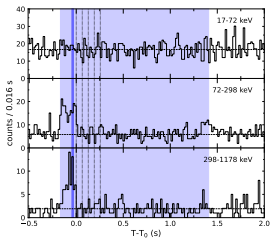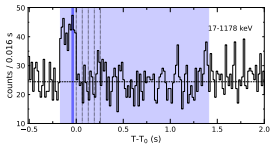
andromeda 13-Dec-2022 16:31

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.35^{+0.07}_{-0.08}$	...	...	$2.12^{+0.41}_{-0.40}$	115.9/93
CPL	$-0.48^{+0.45}_{-0.34}$	...	859^{+455}_{-255}	$0.89^{+0.31}_{-0.22}$	84.0/92
GRBM	$-0.20^{+1.89}_{-0.61}$	~ -2.04	594^{+685}_{-332}	$1.27^{+0.54}_{-0.57}$	83.5/91

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.126	0.800	0.792 ± 0.021	0.610 ± 0.054	1-5	$0.000 - 8.448$

KONUS-WIND GRB 140604
T_0 = 17415.447 s UT (04:50:15.447)
S1

data and folded model

andromeda 13–Dec–2022 16:31

GRB20140605_T32571
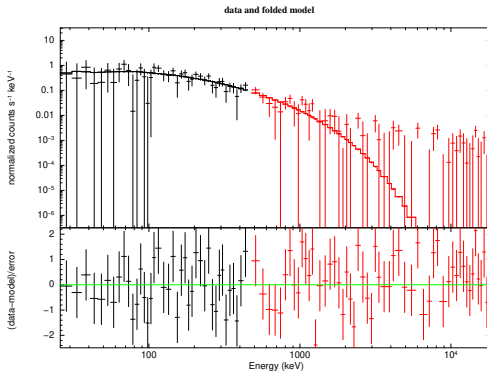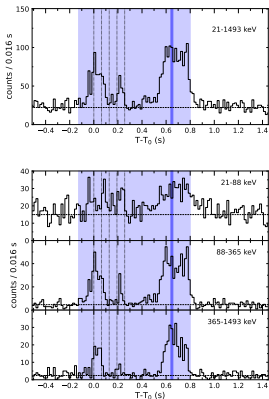
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.51^{+0.27}_{-0.32}$	...	...	$3.61^{+3.54}_{-2.19}$	9.7/8
CPL	$-0.96^{+1.32}_{-0.70}$	...	~ 520	$1.39^{+2.77}_{-0.71}$	7.9/7
GRBM	$-0.98^{+1.26}_{-0.69}$	~ -9.33	~ 525	$1.40^{+160.42}_{-0.68}$	7.9/6

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.098	0.086	0.142 ± 0.026	0.078 ± 0.018	1-2	$0.000 - 0.128$

KONUS-WIND GRB 140605
T_0 = 32571.642 s UT (09:02:51.642)
S1

data and folded model
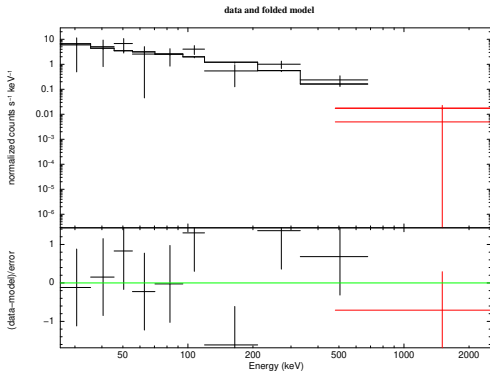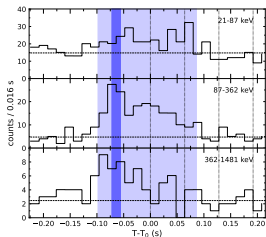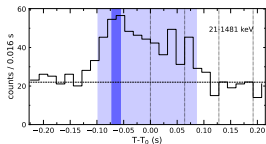
andromeda 13–Dec–2022 16:31

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.33^{+0.05}_{-0.05}$	...	...	$2.90^{+0.39}_{-0.38}$	173.0/94
CPL	$-0.64^{+0.23}_{-0.18}$	...	1460^{+529}_{-368}	$1.82^{+0.45}_{-0.37}$	95.0/93
GRBM	$-0.65^{+0.19}_{-0.17}$	~ -10.00	1460^{+267}_{-368}	$1.82^{+0.45}_{-0.37}$	95.0/92

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.094	2.144	1.898 ± 0.129	0.326 ± 0.236	1-5	$0.000 - 8.448$

KONUS-WIND GRB 140611
T_0 = 13864.927 s UT (03:51:04.927)
S1

data and folded model
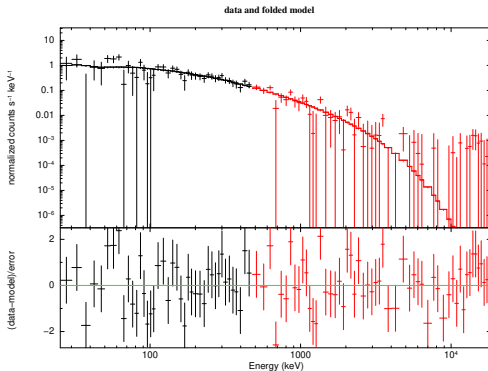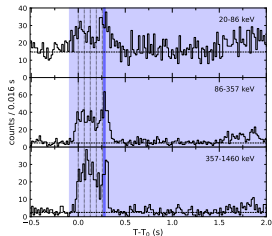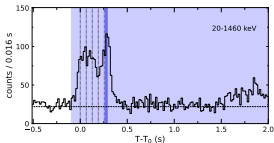
andromeda 13–Dec–2022 16:31

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.12^{+0.03}_{-0.03}$	...	...	$63.59^{+5.88}_{-5.80}$	267.1/46
CPL	$-0.28^{+0.14}_{-0.12}$	...	1686^{+226}_{-201}	$40.01^{+4.48}_{-4.26}$	37.1/45
GRBM	$-0.27^{+0.13}_{-0.13}$	~ -10.00	1685^{+226}_{-136}	$40.02^{+4.49}_{-4.26}$	37.1/44

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.094	2.144	1.898 ± 0.129	0.326 ± 0.236	1-4	$0.000 - 0.256$

KONUS-WIND GRB 140611
T_0 = 13864.927 s UT (03:51:04.927)
S1

data and folded model
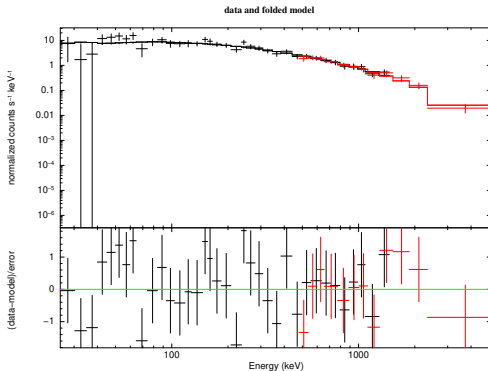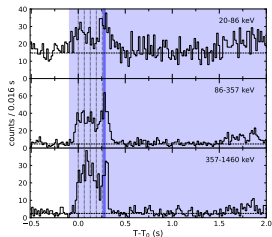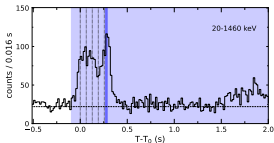
andromeda 13–Dec–2022 16:31

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^2s)	χ^2/dof
PL	$-1.34^{+0.06}_{-0.06}$	...	...	$20.66^{+3.65}_{-3.37}$	69.0/29
CPL	$-0.74^{+0.23}_{-0.19}$	...	735^{+240}_{-153}	$7.38^{+1.41}_{-1.14}$	28.5/28
GRBM	$-0.74^{+0.23}_{-0.18}$	~ -9.37	736^{+151}_{-171}	$7.39^{+3.64}_{-0.78}$	28.5/27

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.152	0.656	0.566 ± 0.151	0.170 ± 0.024	1-4	$0.000 - 0.256$

KONUS-WIND GRB 140807
T_0 = 43169.976 s UT (11:59:29.976)
S2

data and folded model
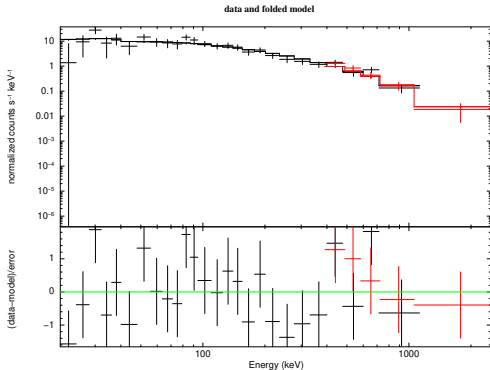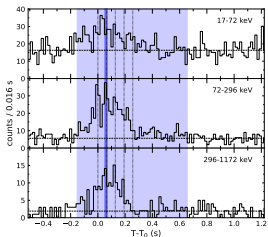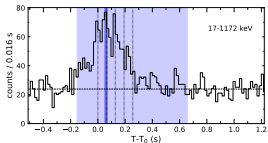
andromeda 13–Dec–2022 16:31

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.70^{+0.10}_{-0.12}$	...	...	$12.70^{+3.70}_{-3.09}$	24.0/32
CPL	$-1.64^{+0.19}_{-0.15}$	...	~ 2127	$10.66^{+3.63}_{-4.18}$	23.1/31
GRBM	$-1.64^{+1.64}_{-0.09}$	~ -9.37	~ 2130	$10.37^{+3.94}_{-3.88}$	23.1/30

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.022	0.142	0.132 ± 0.021	0.080 ± 0.008	1-3	$0.000 - 0.192$

KONUS-WIND GRB 140906
$T_0 = 85872.815$ s UT (23:51:12.815)
S2

data and folded model
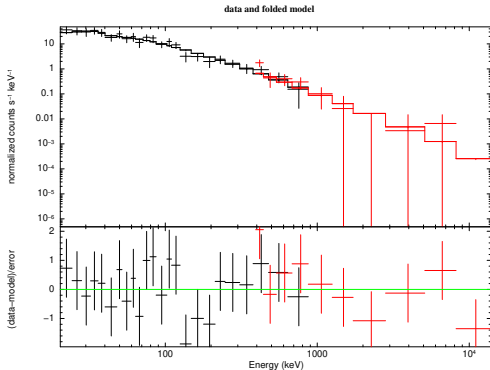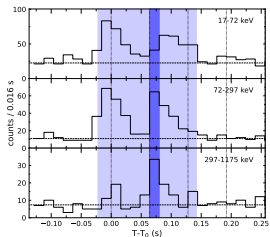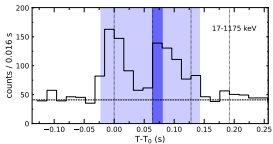
andromeda 13-Dec-2022 16:31

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.34^{+0.09}_{-0.10}$	...	...	$1.59^{+0.41}_{-0.39}$	117.9/93
CPL	$-0.38^{+0.70}_{-0.46}$	...	1148^{+709}_{-341}	$0.85^{+0.34}_{-0.23}$	97.3/92
GRBM	$-0.41^{+0.71}_{-0.45}$	~ -4.66	1162^{+665}_{-334}	$0.87^{+0.53}_{-0.25}$	97.2/91

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.102	0.864	0.774 ± 0.089	0.430 ± 0.042	1-5	$0.000 - 8.448$

KONUS-WIND GRB 140930
T_0 = 70907.149 s UT (19:41:47.149)
S2

data and folded model
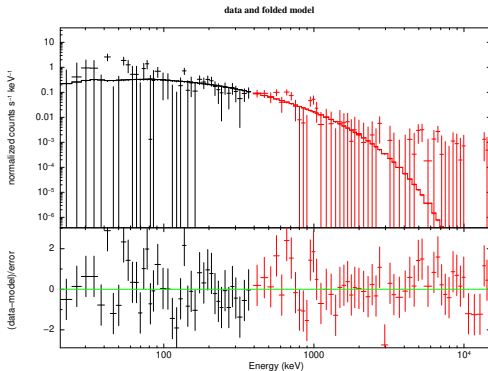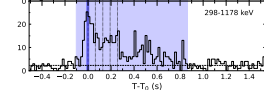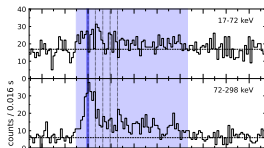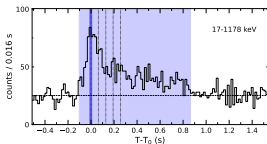
andromeda 13-Dec-2022 16:32

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.37^{+0.10}_{-0.10}$	...	...	$33.30^{+9.37}_{-8.36}$	15.3/10
CPL	$-0.77^{+0.50}_{-0.36}$	...	784^{+801}_{-292}	$13.05^{+5.88}_{-3.49}$	4.5/9
GRBM	$-0.54^{+1.75}_{-0.55}$	~ -2.06	528^{+541}_{-354}	$18.30^{+11.77}_{-7.01}$	4.1/8

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.014	0.048	0.056 ± 0.005	0.036 ± 0.010	1	$0.000 - 0.064$

KONUS-WIND GRB 141011
T_0 = 24377.666 s UT (06:46:17.666)
S2

data and folded model
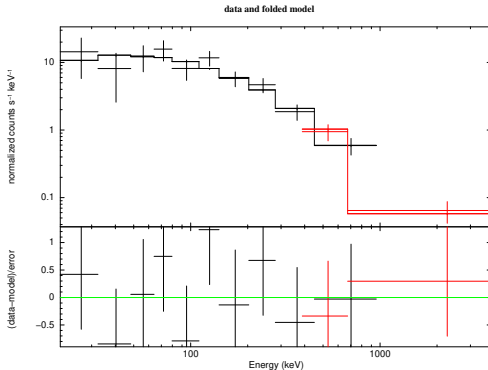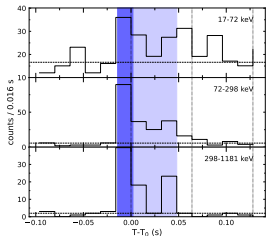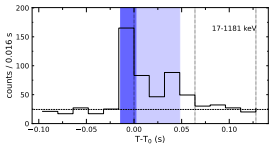
andromeda 13–Dec–2022 16:32

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.31^{+0.05}_{-0.05}$	...	...	$18.53^{+2.71}_{-2.68}$	135.8/32
CPL	$-0.51^{+0.26}_{-0.20}$	...	1383^{+533}_{-355}	$13.50^{+3.50}_{-2.72}$	35.3/31
GRBM	$-0.51^{+0.41}_{-0.20}$	~ -9.37	1382^{+534}_{-533}	$13.47^{+4.16}_{-2.57}$	35.3/30

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.074	0.368	0.396 ± 0.022	0.234 ± 0.022	1-4	$0.000 - 0.256$

KONUS-WIND GRB 141125
T_0 = 12782.568 s UT (03:33:02.568)
S1

data and folded model
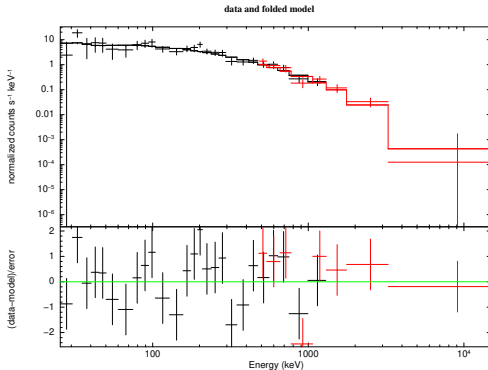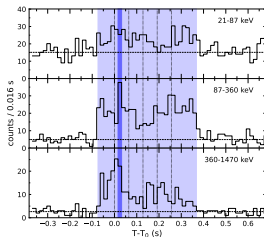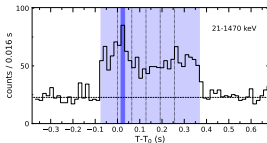
andromeda 13–Dec–2022 16:32

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.43^{+0.07}_{-0.07}$	...	...	$1.46^{+0.30}_{-0.28}$	144.3/86
CPL	$-0.34^{+0.50}_{-0.36}$	...	580^{+241}_{-144}	$0.57^{+0.17}_{-0.12}$	83.7/85
GRBM	$-0.35^{+0.50}_{-0.36}$	~ -10.00	580^{+241}_{-144}	$0.57^{+0.06}_{-0.12}$	83.7/84

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.174	1.216	1.114 ± 0.122	0.566 ± 0.053	1-5	$0.000 - 8.448$

KONUS-WIND GRB 141202
$T_0 = 40626.305$ s UT (11:17:06.305)

data and folded model
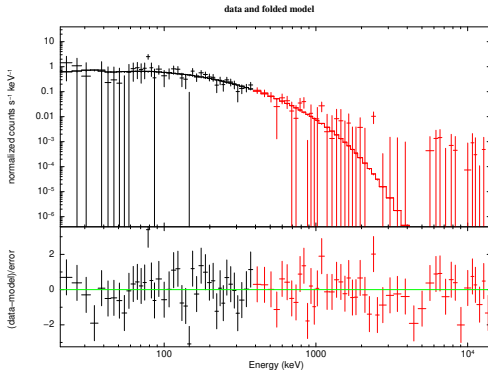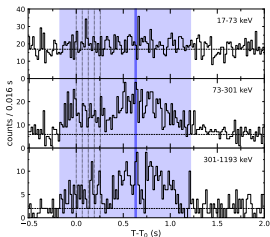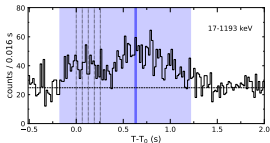
andromeda 13–Dec–2022 16:32

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-2.06^{+0.17}_{-0.21}$	...	...	$1.59^{+0.61}_{-0.46}$	32.9/20
CPL	$-1.11^{+0.85}_{-0.62}$	...	117^{+55}_{-39}	$1.00^{+0.26}_{-0.22}$	24.4/19
GRBM	$-1.11^{+0.84}_{-0.62}$	~ -10.00	117^{+55}_{-39}	$1.00^{+0.17}_{-0.22}$	24.4/18

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.178	0.162	0.298 ± 0.035	0.130 ± 0.032	1-4	$0.000 - 0.256$

KONUS-WIND GRB 141213
$T_0 = 25932.487$ s UT (07:12:12.487)
S2

data and folded model
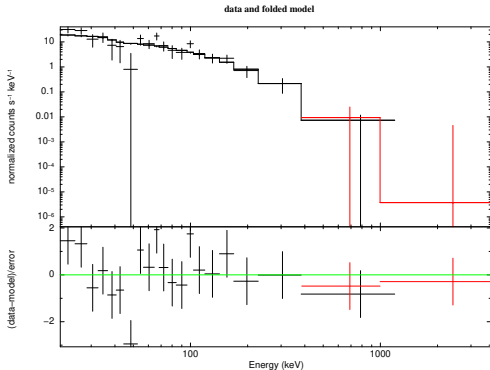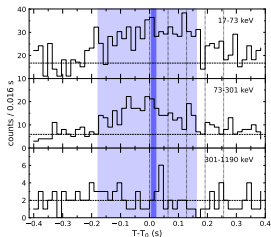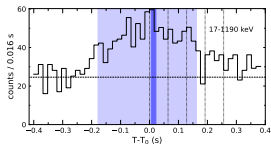
andromeda 13–Dec–2022 16:32

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.67^{+0.11}_{-0.13}$	...	...	$13.10^{+4.41}_{-3.81}$	12.7/8
CPL	$-1.02^{+0.52}_{-0.40}$	...	394^{+423}_{-146}	$6.61^{+2.68}_{-1.77}$	2.3/7
GRBM	$-1.02^{+0.58}_{-0.40}$	~ -10.00	394^{+423}_{-75}	$6.61^{+1.02}_{-1.78}$	2.3/6

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.030	0.044	0.064 ± 0.007	0.034 ± 0.009	1	$0.000 - 0.064$

KONUS-WIND GRB 150118
T_0 = 80075.206 s UT (22:14:35.206)
S1
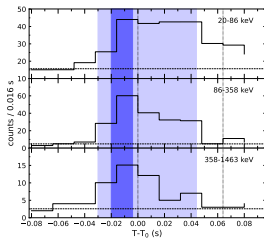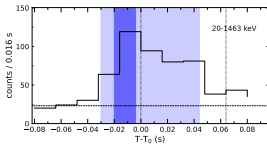
data and folded model
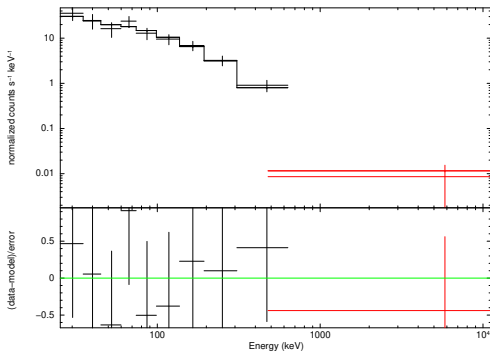
andromeda 13–Dec–2022 16:32

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.87^{+0.21}_{-0.31}$	...	...	$0.21^{+0.14}_{-0.09}$	113.3/90
CPL	$-0.21^{+2.08}_{-1.06}$	...	133^{+85}_{-41}	$0.09^{+0.04}_{-0.03}$	102.6/89
GRBM	$-0.04^{+12.99}_{-1.25}$	~ -10.00	133^{+85}_{-41}	$0.09^{+0.03}_{-0.03}$	102.6/88

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.494	0.800	1.128 ± 0.100	0.602 ± 0.130	1-5	$0.000 - 8.448$

KONUS-WIND GRB 150412
$T_0 = 26160.548$ s UT (07:16:00.548)
S1

data and folded model
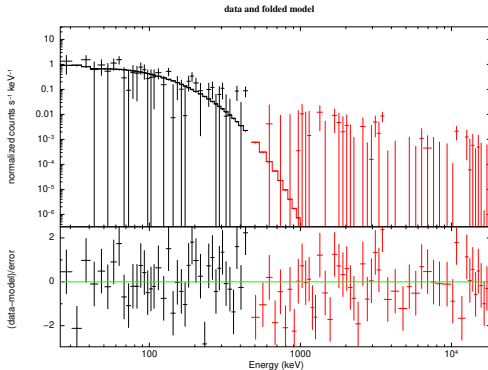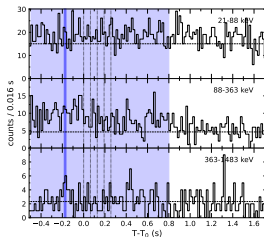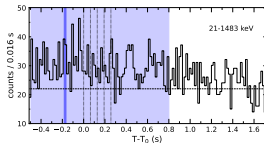
andromeda 13-Dec-2022 16:32

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.47^{+0.02}_{-0.02}$	...	...	$49.41^{+3.93}_{-3.91}$	848.4/53
CPL	$-0.31^{+0.10}_{-0.09}$	...	954^{+85}_{-78}	$63.69^{+4.62}_{-4.51}$	60.4/52
GRBM	$-0.32^{+0.11}_{-0.08}$	~ -10.00	953^{+86}_{-66}	$63.71^{+2.57}_{-4.51}$	60.4/51

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.038	0.376	0.276 ± 0.015	0.168 ± 0.006	1-4	$0.000 - 0.256$

KONUS-WIND GRB 150424
T_0 = 27781.073 s UT (07:43:01.073)
S1

data and folded model
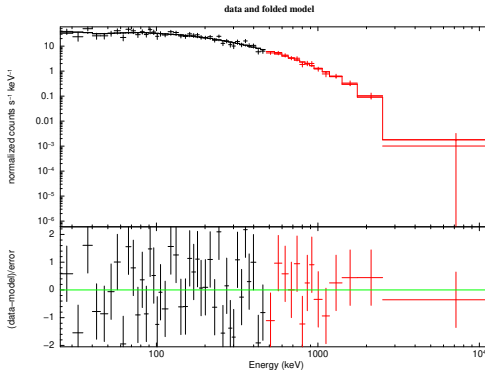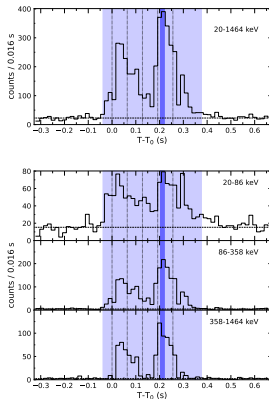
andromeda 13–Dec–2022 16:32

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.91^{+0.15}_{-0.17}$	...	...	$0.32^{+0.13}_{-0.10}$	87.9/86
CPL	$-1.02^{+0.80}_{-0.61}$	...	114^{+80}_{-31}	$0.14^{+0.05}_{-0.03}$	79.6/85
GRBM	$-1.01^{+2.14}_{-0.61}$	~ -3.65	113^{+77}_{-57}	$0.15^{+0.11}_{-0.04}$	79.5/84

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.282	1.216	1.162 ± 0.242	0.488 ± 0.103	1-5	$0.000 - 8.448$

KONUS-WIND GRB 150503
T_0 = 78542.210 s UT (21:49:02.210)
S2

data and folded model
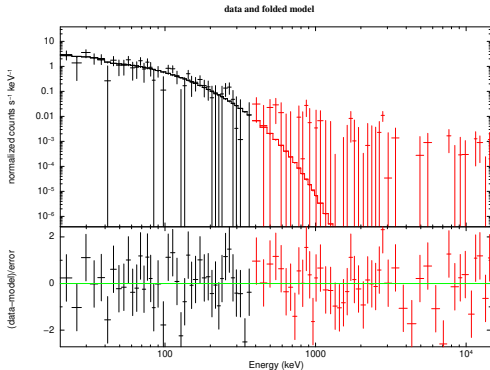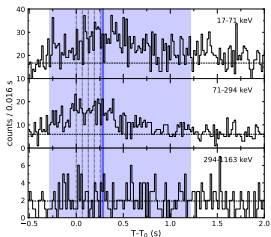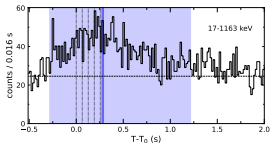
andromeda 13–Dec–2022 16:32

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.36^{+0.13}_{-0.14}$	...	...	$6.14^{+2.37}_{-2.08}$	26.7/20
CPL	$-0.74^{+1.15}_{-0.48}$	...	811^{+2311}_{-431}	$2.40^{+2.71}_{-1.00}$	19.2/19
GRBM	$-0.34^{+0.34}_{-0.83}$	~ -2.05	491^{+1634}_{-360}	$3.33^{+2.81}_{-1.65}$	18.6/18

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.156	0.480	0.560 ± 0.095	0.270 ± 0.068	1-4	$0.000 - 0.256$

KONUS-WIND GRB 150506
T_0 = 54423.605 s UT (15:07:03.605)
S2

data and folded model
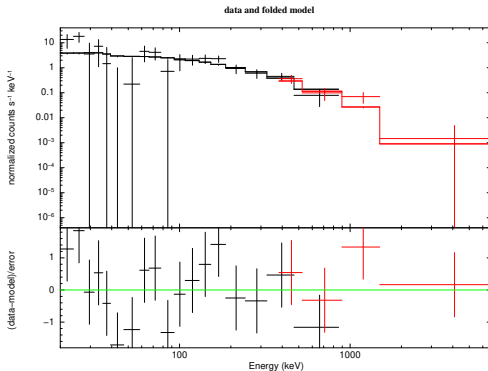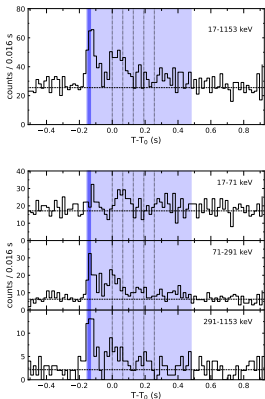
andromeda 13–Dec–2022 16:32

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-2.07^{+0.10}_{-0.10}$	...	...	$0.52^{+0.10}_{-0.08}$	124.1/99
CPL	$-1.22^{+0.47}_{-0.38}$	...	82^{+19}_{-16}	$0.29^{+0.04}_{-0.04}$	104.1/98
GRBM	$-1.21^{+0.65}_{-0.40}$	~ -10.00	82^{+19}_{-16}	$0.29^{+0.03}_{-0.04}$	104.1/97

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.292	1.104	1.134 ± 0.124	0.510 ± 0.060	1-5	$0.000 - 8.448$

KONUS-WIND GRB 150512
T_0 = 46609.794 s UT (12:56:49.794)
S2

GRB20150604_T37480
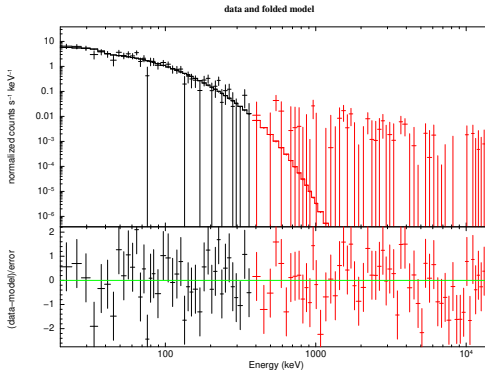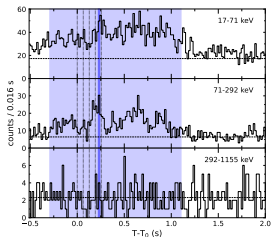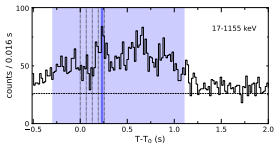
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.65^{+0.23}_{-0.27}$	...	...	$2.88^{+2.11}_{-1.40}$	19.5/13
CPL	$-0.54^{+1.77}_{-0.94}$	...	255^{+397}_{-96}	$1.04^{+0.58}_{-0.37}$	15.5/12
GRBM	$-0.56^{+1.78}_{-0.95}$	~ -5.42	256^{+231}_{-186}	$1.05^{+0.80}_{-0.37}$	15.5/11

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.122	0.162	0.230 ± 0.054	0.084 ± 0.024	1-3	$0.000 - 0.192$

KONUS-WIND GRB 150604
T0 = 37480.801 s UT (10:24:40.801)
S1

data and folded model
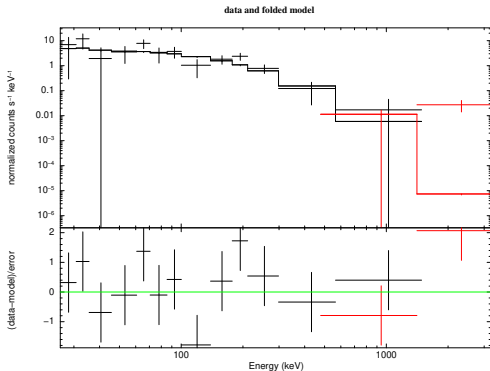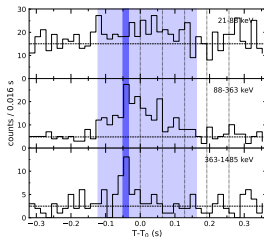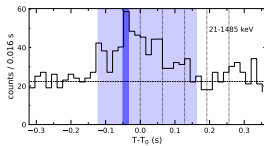
andromeda 13–Dec–2022 16:32

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.64^{+0.10}_{-0.12}$	...	...	$5.71^{+1.78}_{-1.57}$	69.9/24
CPL	$+0.29^{+0.78}_{-0.58}$	...	282^{+54}_{-45}	$2.76^{+0.52}_{-0.49}$	16.5/23
GRBM	$+0.28^{+0.80}_{-0.58}$	~ -10.00	282^{+54}_{-45}	$2.76^{+0.38}_{-0.49}$	16.5/22

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.104	0.198	0.256 ± 0.038	0.136 ± 0.019	1-4	$0.000 - 0.256$

KONUS-WIND GRB 150624
$T_0 = 39692.242$ s UT (11:01:32.242)
S1

data and folded model
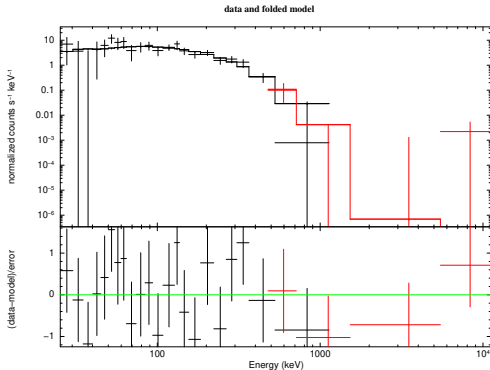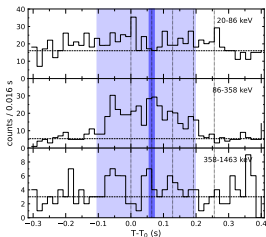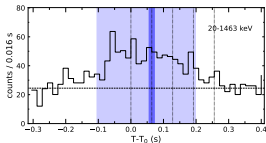
andromeda 13-Dec-2022 16:32

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.35^{+0.05}_{-0.05}$	...	...	$2.61^{+0.37}_{-0.36}$	134.8/98
CPL	$-1.04^{+0.15}_{-0.13}$	...	1970^{+1486}_{-770}	$1.66^{+0.59}_{-0.46}$	103.5/97
GRBM	$-1.02^{+0.90}_{-0.14}$	~ -2.36	1699^{+1626}_{-1271}	$1.73^{+0.51}_{-0.50}$	103.2/96

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.510	102.144	70.286 ± 18.059	16.816 ± 1.723	1-5	$0.000 - 8.448$

KONUS-WIND GRB 150702
$T_0 = 86198.645$ s UT (23:56:38.645)
S1

data and folded model
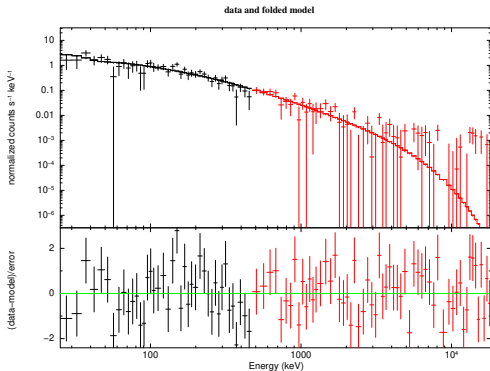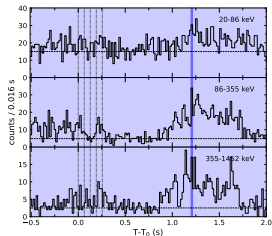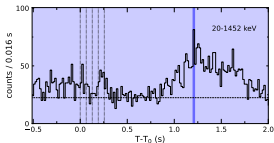
andromeda 13-Dec-2022 16:32

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.46^{+0.04}_{-0.05}$	...	...	$1.01^{+0.14}_{-0.13}$	125.0/99
CPL	$-1.21^{+0.12}_{-0.10}$	...	1399^{+1029}_{-529}	$0.57^{+0.19}_{-0.14}$	94.7/98
GRBM	$-1.21^{+0.12}_{-0.10}$	~ -9.37	1406^{+1020}_{-623}	$0.57^{+0.18}_{-0.14}$	94.7/97

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.510	102.144	70.286 ± 18.059	16.816 ± 1.723	6-12	$8.448 - 65.792$

KONUS-WIND GRB 150702
$T_0 = 86198.645$ s UT (23:56:38.645)
S1

data and folded model
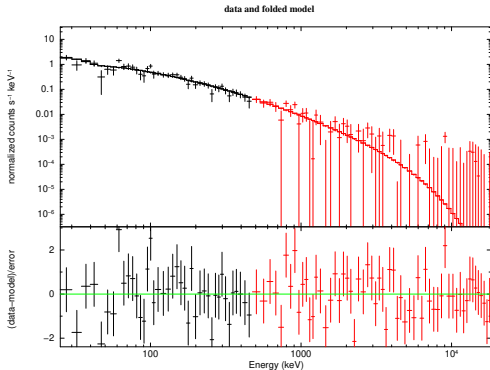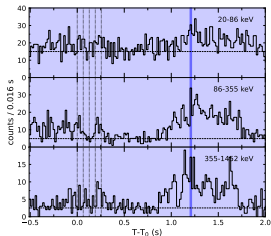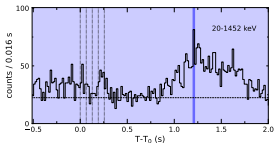
andromeda 13–Dec–2022 16:32

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.17^{+0.07}_{-0.07}$	...	...	$20.91^{+3.98}_{-3.73}$	54.0/28
CPL	$-0.74^{+0.23}_{-0.19}$	...	1738^{+1034}_{-565}	$9.73^{+3.47}_{-2.52}$	32.3/27
GRBM	$-0.74^{+0.43}_{-0.18}$	~ -9.37	1749^{+318}_{-1328}	$9.78^{+2.79}_{-1.99}$	32.3/26

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.040	0.354	0.352 ± 0.025	0.232 ± 0.024	1-4	$0.000 - 0.256$
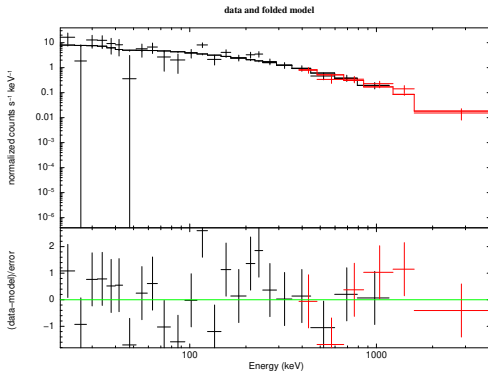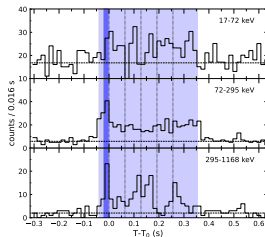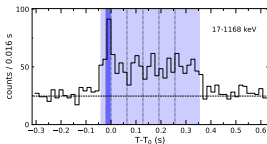
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.38^{+0.04}_{-0.04}$	...	...	$24.77^{+3.17}_{-3.13}$	183.3/34
CPL	$-0.19^{+0.31}_{-0.25}$	...	1128^{+245}_{-177}	$19.26^{+2.85}_{-2.46}$	31.1/33
GRBM	$-0.14^{+0.35}_{-0.28}$	~ -3.39	1084^{+265}_{-193}	$20.50^{+4.19}_{-3.04}$	30.9/32

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.284	0.376	0.550 ± 0.052	0.264 ± 0.033	1-4	$0.000 - 0.256$

KONUS-WIND GRB 150811
T_0 = 73329.515 s UT (20:22:09.515)
S1

data and folded model
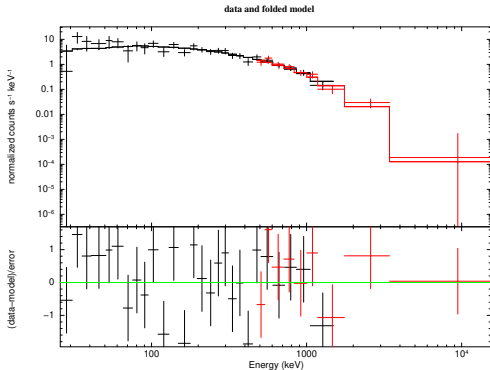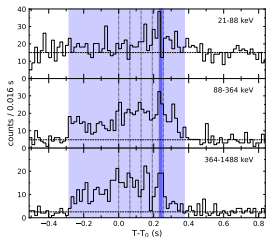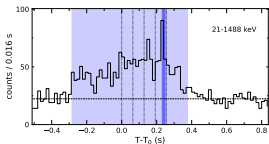
andromeda 13-Dec-2022 16:33

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.65^{+0.06}_{-0.06}$	...	...	$1.95^{+0.29}_{-0.27}$	111.5/90
CPL	$-1.05^{+0.25}_{-0.21}$	...	381^{+144}_{-81}	$0.82^{+0.15}_{-0.11}$	74.9/89
GRBM	$-1.05^{+0.27}_{-0.21}$	~ -3.37	379^{+144}_{-99}	$0.86^{+0.39}_{-0.15}$	74.8/88

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.008	1.200	0.706 ± 0.104	0.590 ± 0.016	1-5	$0.000 - 8.448$
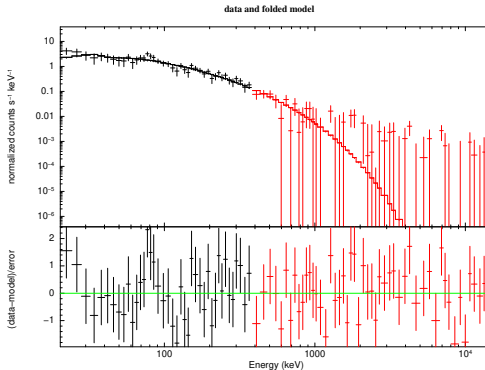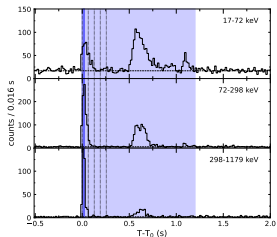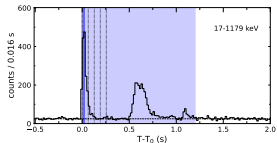
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.38^{+0.14}_{-0.15}$	...	...	$7.97^{+2.95}_{-2.63}$	15.5/19
CPL	$-1.07^{+1.20}_{-0.35}$	...	~ 1690	$4.53^{+4.91}_{-2.55}$	13.1/18
GRBM	$-0.42^{+0.42}_{-0.87}$	~ -1.77	480^{+1862}_{-421}	$5.58^{+3.54}_{-3.07}$	11.2/17

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.108	0.912	0.908 ± 0.137	0.454 ± 0.083	1-4	$0.000 - 0.256$

KONUS-WIND GRB 150831
$T_0 = 38049.519$ s UT (10:34:09.519)
S1

data and folded model

andromeda 13–Dec–2022 16:33

GRB20150919_T74595
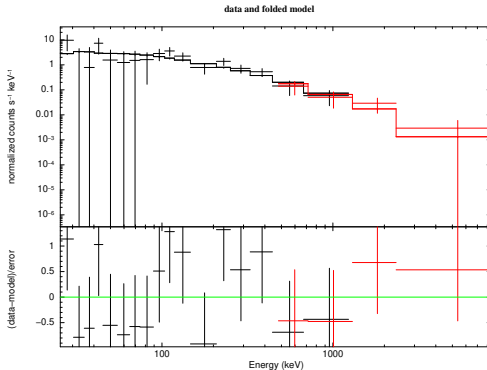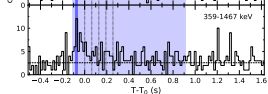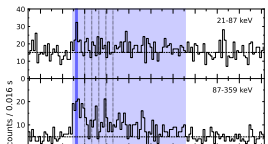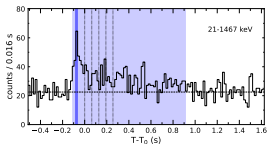
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.36^{+0.09}_{-0.09}$	...	...	$25.79^{+6.87}_{-5.91}$	40.7/16
CPL	$-0.50^{+0.38}_{-0.32}$	...	426^{+141}_{-85}	$6.93^{+1.32}_{-1.12}$	15.7/15
GRBM	$+1.17^{+4.23}_{-1.78}$	~ -1.85	161^{+249}_{-59}	$13.27^{+5.43}_{-4.05}$	13.8/14

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.098	1.120	1.098 ± 0.133	0.096 ± 0.200	1-2	$0.000 - 0.128$

KONUS-WIND GRB 150919
T_0 = 74595.399 s UT (20:43:15.399)
S2

data and folded model
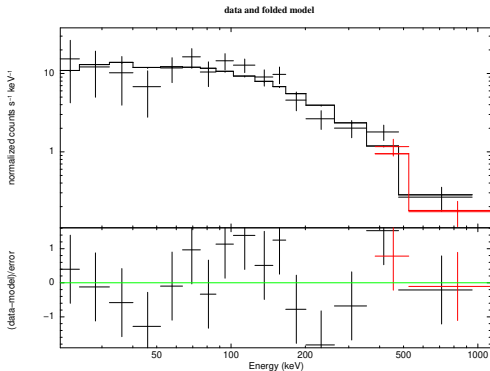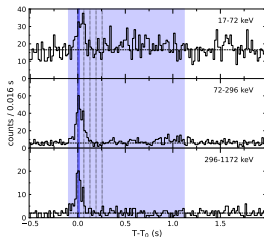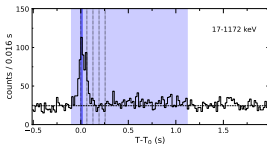
andromeda 13-Dec-2022 16:33

Model	α	β	$E_{\rm peak}$ keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.28^{+0.15}_{-0.15}$	...	...	$18.86^{+8.33}_{-6.56}$	13.1/12
CPL	$-0.42^{+1.02}_{-0.60}$	...	605^{+799}_{-226}	$4.93^{+3.11}_{-1.53}$	6.3/11
GRBM	$-0.20^{+2.65}_{-0.81}$	~ -2.28	486^{+809}_{-290}	$6.88^{+9.01}_{-3.80}$	6.1/10

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.086	0.070	0.144 ± 0.009	0.050 ± 0.010	1-2	$0.000 - 0.128$

KONUS-WIND GRB 150922
T_0 = 20250.916 s UT (05:37:30.916)
S2

data and folded model
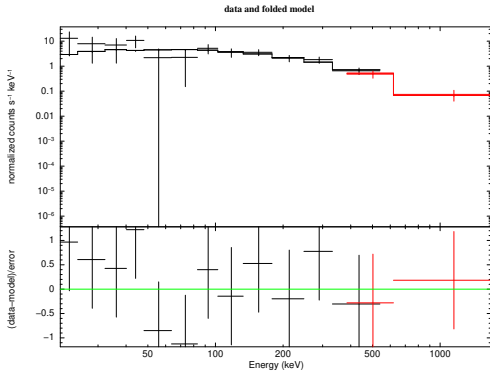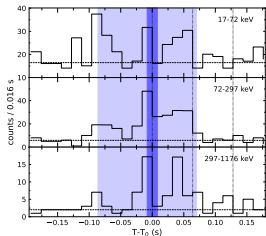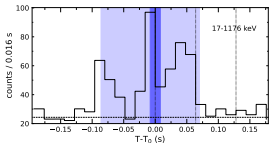
andromeda 13–Dec–2022 16:33

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.64^{+0.27}_{-0.30}$	...	...	$2.20^{+2.24}_{-1.31}$	25.4/9
CPL	$\sim +5.91$	...	89^{+29}_{-12}	$0.54^{+0.20}_{-0.17}$	9.7/8
GRBM	$\sim +6.05$	~ -3.82	87^{+22}_{-28}	$0.65^{+0.55}_{-0.26}$	8.7/7

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.194	0.090	0.260 ± 0.039	0.102 ± 0.032	1-2	$0.000 - 0.128$

KONUS-WIND GRB 151022
T_0 = 49862.372 s UT (13:51:02.372)
S2

data and folded model
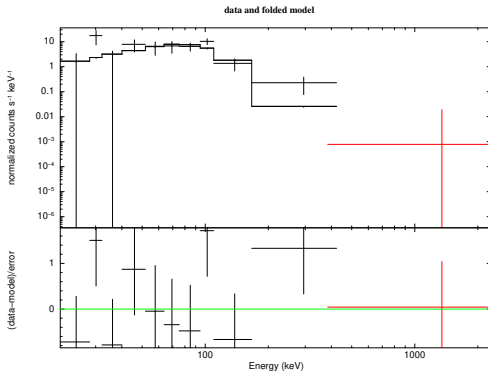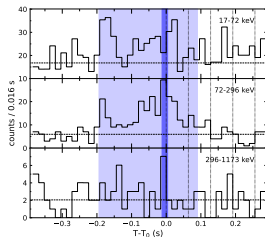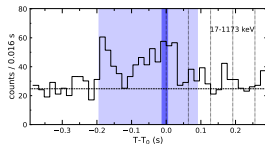
andromeda 13–Dec–2022 16:33

Model	α	β	$E_{\rm peak}$ keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-2.25^{+0.21}_{-0.25}$	...	...	$2.43^{+0.65}_{-0.51}$	20.6/17
CPL	$-0.96^{+1.37}_{-0.94}$	...	87^{+33}_{-60}	$1.42^{+0.47}_{-0.36}$	14.2/16
GRBM	$-1.03^{+1.44}_{-0.87}$	~ -9.99	87^{+33}_{-60}	$1.42^{+0.61}_{-0.36}$	14.2/15

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.346	0.406	0.676 ± 0.110	0.328 ± 0.091	1-4	$0.000 - 0.256$

KONUS-WIND GRB 151121
T_0 = 24987.061 s UT (06:56:27.061)
S1

data and folded model
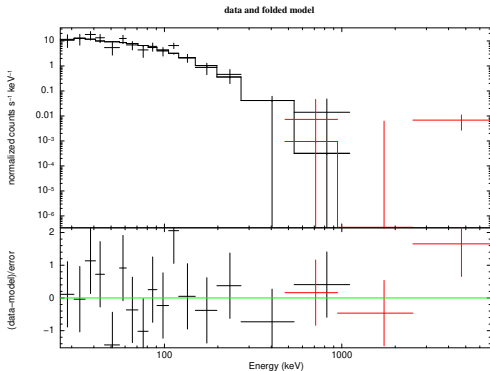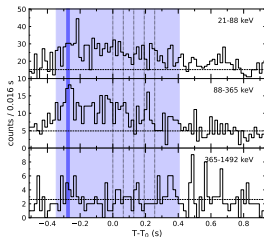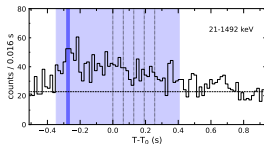
Model	α	β	$E_{\rm peak}$ keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.39^{+0.04}_{-0.04}$	...	...	$30.87^{+3.99}_{-3.91}$	312.9/36
CPL	$+0.42^{+0.37}_{-0.30}$	...	856^{+113}_{-93}	$26.42^{+2.99}_{-2.75}$	21.2/35
GRBM	$+0.41^{+0.40}_{-0.27}$	~ -10.00	856^{+113}_{-48}	$26.43^{+1.81}_{-2.75}$	21.2/34

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.046	0.178	0.196 ± 0.012	0.094 ± 0.010	1-3	$0.000 - 0.192$
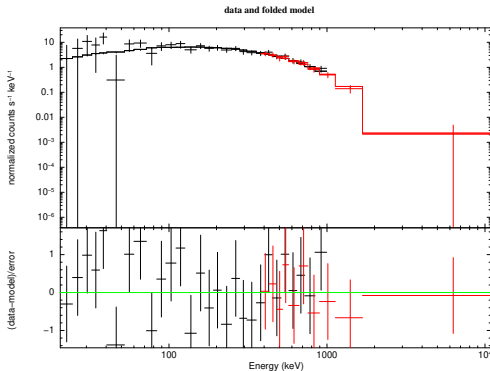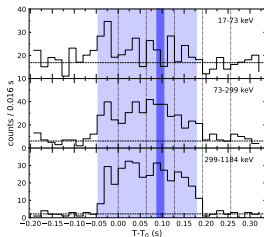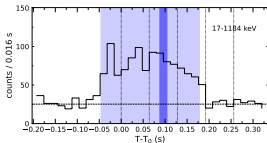
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.34^{+0.34}_{-0.39}$	...	...	$3.66^{+3.57}_{-2.63}$	12.9/8
CPL	$\sim +2.04$	...	233^{+702}_{-105}	$0.73^{+1.10}_{-0.42}$	7.3/7
GRBM	$\sim +14.99$	$-2.05^{+0.57}_{-0.44}$	113^{+214}_{-25}	$1.73^{+2.90}_{-1.25}$	4.7/6

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.514	0.088	0.532 ± 0.045	0.386 ± 0.051	1-2	$0.000 - 0.128$
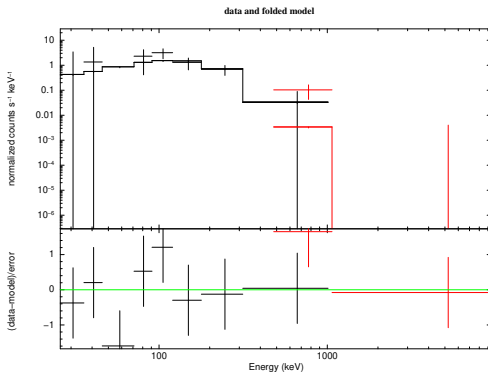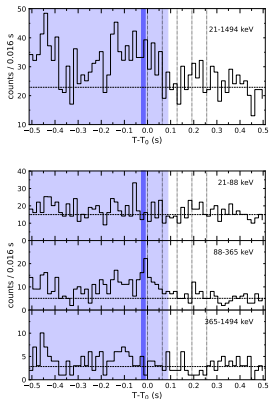
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.31^{+0.16}_{-0.16}$	...	...	$15.17^{+8.34}_{-5.77}$	23.8/11
CPL	$+0.33^{+1.69}_{-0.88}$	...	214^{+108}_{-59}	$2.20^{+0.67}_{-0.57}$	10.2/10
GRBM	$\sim +2.86$	$-2.21^{+0.47}_{-0.93}$	131^{+65}_{-52}	$3.95^{+3.86}_{-1.76}$	4.6/9

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.434	0.094	0.492 ± 0.020	0.312 ± 0.034	1-2	$0.000 - 0.128$

KONUS-WIND GRB 151222
T_0 = 29415.138 s UT (08:10:15.138)
S2

data and folded model
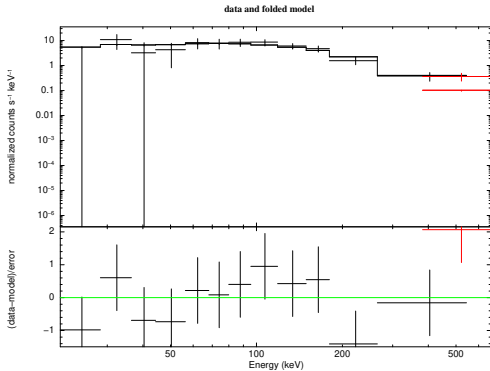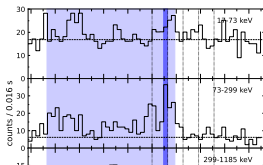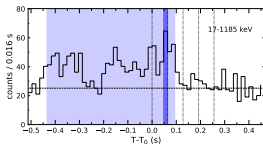
andromeda 13–Dec–2022 16:33

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.70^{+0.15}_{-0.17}$	...	...	$0.82^{+0.33}_{-0.26}$	90.8/95
CPL	$-0.98^{+0.74}_{-0.48}$	...	381^{+387}_{-147}	$0.37^{+0.16}_{-0.11}$	82.2/94
GRBM	$-0.99^{+0.73}_{-0.48}$	~ -9.37	384^{+388}_{-197}	$0.37^{+0.25}_{-0.10}$	82.2/93

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.046	1.072	0.854 ± 0.209	0.280 ± 0.067	1-5	$0.000 - 8.448$

KONUS-WIND GRB 151225
T_0 = 68946.508 s UT (19:09:06.508)
S2

data and folded model
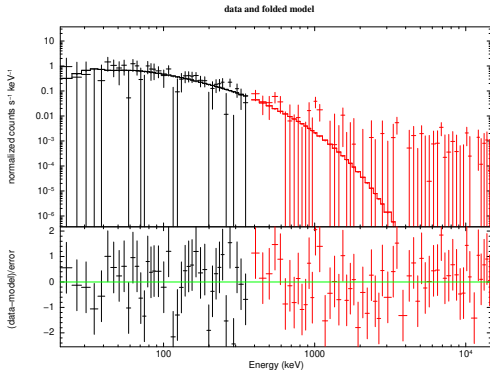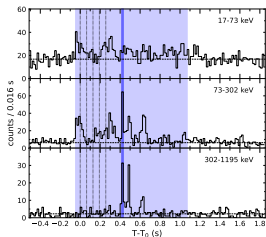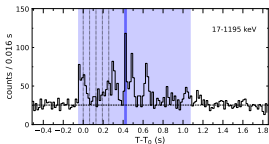
andromeda 13–Dec–2022 16:33

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.87^{+0.16}_{-0.18}$	...	...	$3.52^{+1.30}_{-1.06}$	47.5/19
CPL	$-0.45^{+0.97}_{-0.66}$	...	211^{+75}_{-56}	$1.88^{+0.48}_{-0.46}$	29.1/18
GRBM	$-0.46^{+4.39}_{-0.67}$	~ -10.00	211^{+75}_{-56}	$1.89^{+0.36}_{-0.46}$	29.1/17

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.046	1.072	0.854 ± 0.209	0.280 ± 0.067	1-4	$0.000 - 0.256$

KONUS-WIND GRB 151225
$T_0 = 68946.508$ s UT (19:09:06.508)
S2

data and folded model
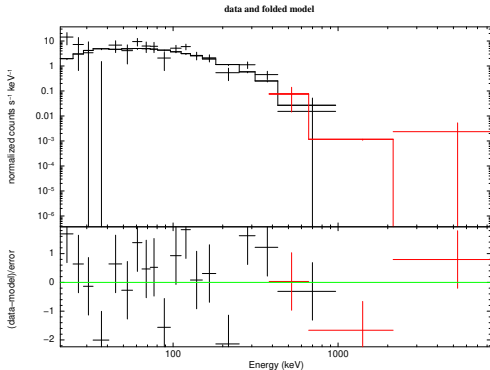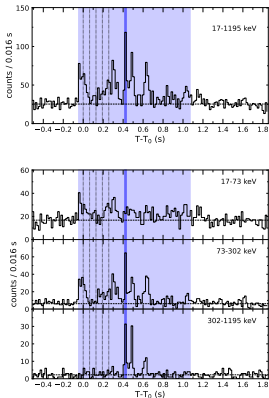
andromeda 13–Dec–2022 16:33

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.73^{+0.68}_{-1.23}$	...	...	$1.66^{+5.30}_{-1.41}$	3.9/4
CPL	~ -1.80	...	~ 9995	$1.53^{+1.43}_{-1.53}$	3.9/3
GRBM	$\sim +15.00$	~ -10.00	46^{+13}_{-15}	$0.25^{+0.16}_{-0.16}$	3.6/2

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.080	0.030	0.088 ± 0.016	0.036 ± 0.011	1	$0.000 - 0.064$

KONUS-WIND GRB 151227
T_0 = 72717.744 s UT (20:11:57.744)
S2

data and folded model

andromeda 13–Dec–2022 16:33

GRB20151231_T49091
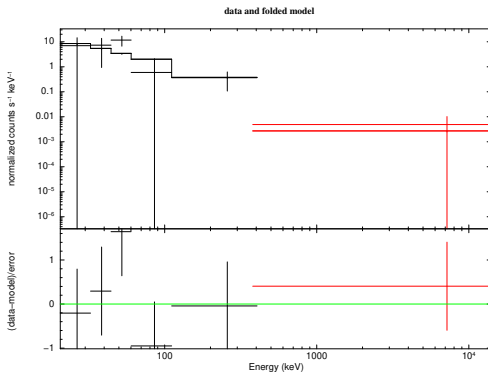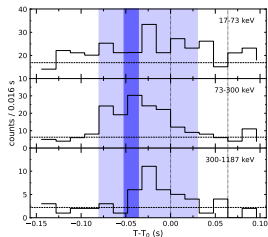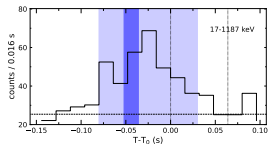
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.37^{+0.08}_{-0.09}$	...	...	$11.03^{+2.60}_{-2.45}$	57.6/23
CPL	$-0.58^{+0.47}_{-0.34}$	...	831^{+595}_{-270}	$4.89^{+2.06}_{-1.26}$	27.6/22
GRBM	$-0.58^{+0.71}_{-0.33}$	~ -9.36	831^{+404}_{-399}	$4.89^{+3.83}_{-0.69}$	27.6/21

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.124	0.210	0.274 ± 0.032	0.116 ± 0.032	1-4	$0.000 - 0.256$

KONUS-WIND GRB 151231
T_0 = 49091.420 s UT (13:38:11.420)
S2
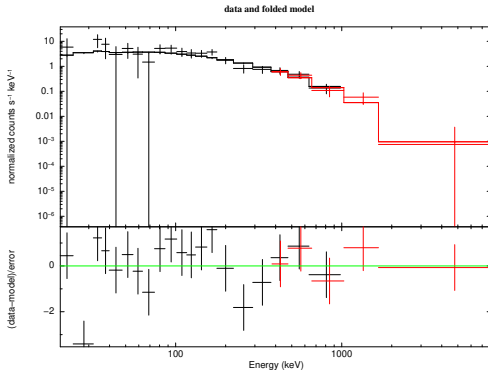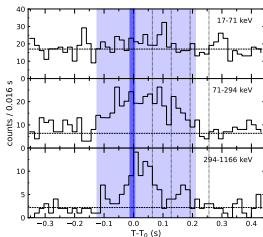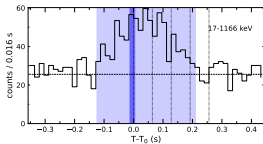
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.30^{+0.11}_{-0.11}$	...	...	$15.25^{+4.56}_{-4.24}$	38.0/13
CPL	$-0.06^{+0.80}_{-0.51}$	...	781^{+400}_{-228}	$6.78^{+2.53}_{-1.85}$	6.8/12
GRBM	$-0.06^{+0.82}_{-0.52}$	~ -9.37	778^{+218}_{-257}	$6.71^{+4.01}_{-1.10}$	6.8/11

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.154	0.112	0.214 ± 0.025	0.100 ± 0.014	1-2	$0.000 - 0.128$

KONUS-WIND GRB 160111
$T_0 = 26526.639$ s UT (07:22:06.639)
S2

data and folded model
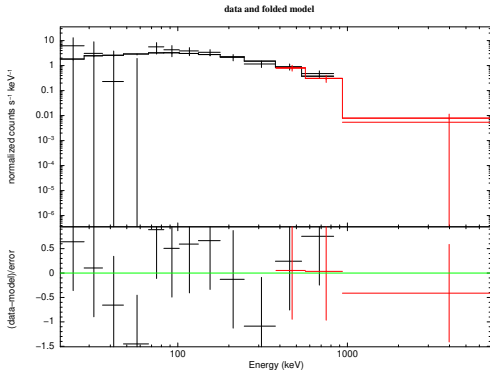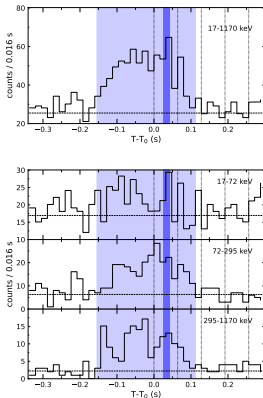
andromeda 13–Dec–2022 16:33

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.62^{+0.10}_{-0.12}$	...	...	$1.15^{+0.34}_{-0.29}$	124.4/98
CPL	$-1.05^{+0.52}_{-0.33}$	...	583^{+661}_{-258}	$0.57^{+0.28}_{-0.18}$	109.0/97
GRBM	$-1.04^{+0.51}_{-0.31}$	~ -9.36	564^{+680}_{-190}	$0.56^{+0.30}_{-0.15}$	109.0/96

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.346	1.360	1.214 ± 0.253	0.494 ± 0.062	1-5	$0.000 - 8.448$

KONUS-WIND GRB 160303
$T_0 = 73318.359$ s UT (20:21:58.359)
S1

data and folded model
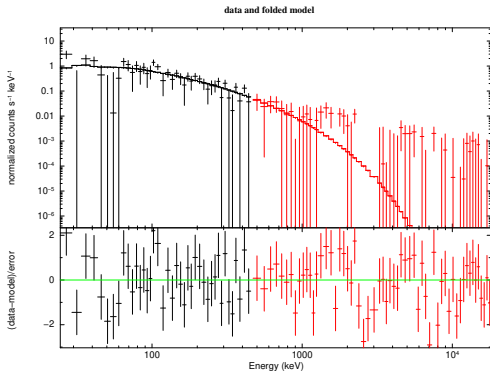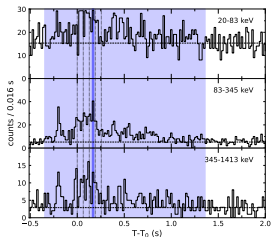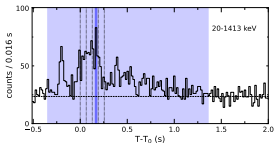
andromeda 13–Dec–2022 16:33

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.40^{+0.07}_{-0.08}$	...	...	$9.09^{+2.16}_{-2.02}$	53.7/26
CPL	$-0.48^{+0.58}_{-0.43}$	...	510^{+429}_{-155}	$3.24^{+1.41}_{-0.75}$	22.3/25
GRBM	$+0.31^{+1.91}_{-0.95}$	$-2.01^{+0.28}_{-1.77}$	284^{+303}_{-103}	$5.42^{+2.32}_{-2.23}$	19.4/24

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.152	0.252	0.344 ± 0.024	0.198 ± 0.028	1-4	$0.000 - 0.256$

KONUS-WIND GRB 160408
T_0 = 23144.202 s UT (06:25:44.202)
S2

data and folded model
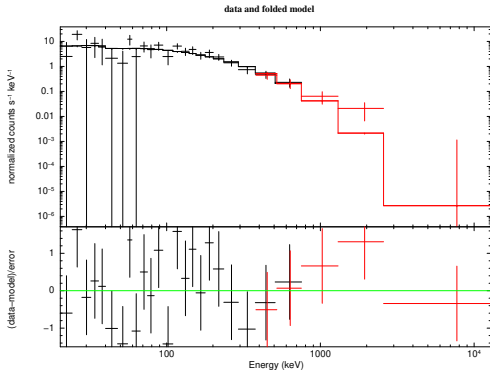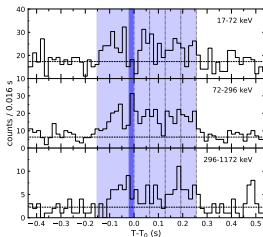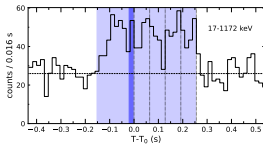
andromeda 13–Dec–2022 16:33

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.78^{+0.46}_{-0.74}$	...	...	$1.12^{+1.86}_{-0.92}$	12.4/7
CPL	$\sim +3.17$	...	201^{+167}_{-62}	$0.60^{+0.48}_{-0.33}$	5.3/6
GRBM	$\sim +2.23$	~ -10.00	203^{+165}_{-64}	$0.61^{+0.29}_{-0.34}$	5.3/5

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.196	0.106	0.232 ± 0.063	0.074 ± 0.016	1-2	$0.000 - 0.128$

KONUS-WIND GRB 160520
T_0 = 77416.866 s UT (21:30:16.866)

data and folded model
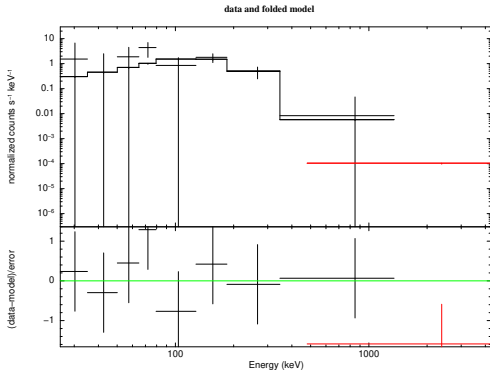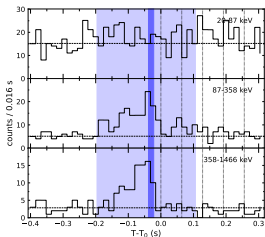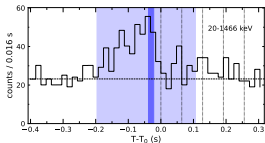
andromeda 13–Dec–2022 16:33

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.22^{+0.26}_{-0.27}$	...	...	$16.02^{+12.71}_{-8.99}$	6.7/4
CPL	$-0.34^{+2.34}_{-0.94}$	...	~ 747	$4.76^{+11.47}_{-3.01}$	4.1/3
GRBM	$-0.34^{+6.09}_{-0.95}$	~ -3.96	~ 744	$4.88^{+20.44}_{-2.62}$	4.1/2

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.116	0.048	0.142 ± 0.017	0.060 ± 0.015	1	$0.000 - 0.064$

KONUS-WIND GRB 160612
$T_0 = 72767.893$ s UT (20:12:47.893)

data and folded model
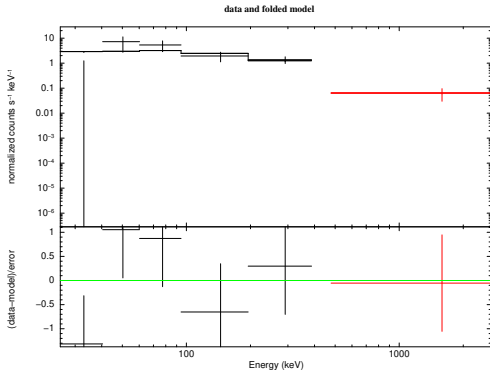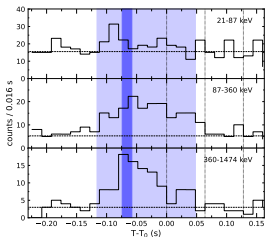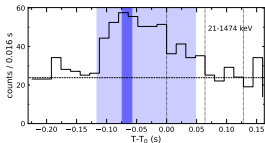
andromeda 13–Dec–2022 16:33

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.37^{+0.03}_{-0.03}$	...	...	$61.95^{+4.99}_{-4.94}$	716.2/57
CPL	$-0.34^{+0.11}_{-0.10}$	...	1289^{+132}_{-123}	$62.80^{+5.40}_{-5.29}$	195.6/56
GRBM	$-0.34^{+0.12}_{-0.10}$	~ -10.00	1289^{+132}_{-53}	$62.82^{+2.85}_{-5.29}$	195.6/55

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.056	0.332	0.278 ± 0.010	0.166 ± 0.010	1-4	$0.000 - 0.256$

KONUS-WIND GRB 160618
$T_0 = 59629.659$ s UT (16:33:49.659)
S2

data and folded model
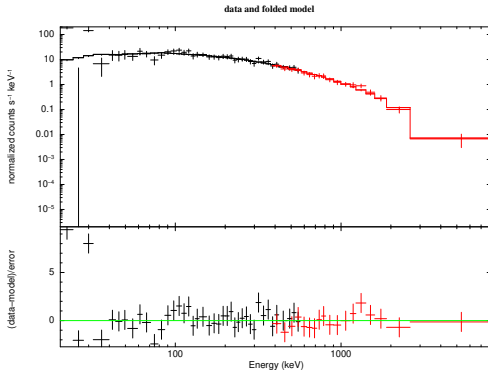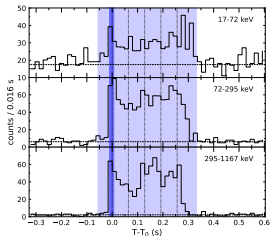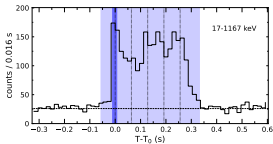
andromeda 13–Dec–2022 16:34

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.71^{+0.05}_{-0.05}$	...	...	$1.50^{+0.20}_{-0.18}$	209.2/94
CPL	$-0.68^{+0.26}_{-0.23}$	...	165^{+25}_{-19}	$0.52^{+0.05}_{-0.04}$	102.7/93
GRBM	$-0.64^{+0.44}_{-0.23}$	~ -3.32	160^{+25}_{-33}	$0.56^{+0.17}_{-0.08}$	101.8/92

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.140	5.120	3.808 ± 1.182	0.444 ± 0.031	1-5	$0.000 - 8.448$

KONUS-WIND GRB 160620
$T_0 = 18380.236$ s UT (05:06:20.236)
S2

data and folded model
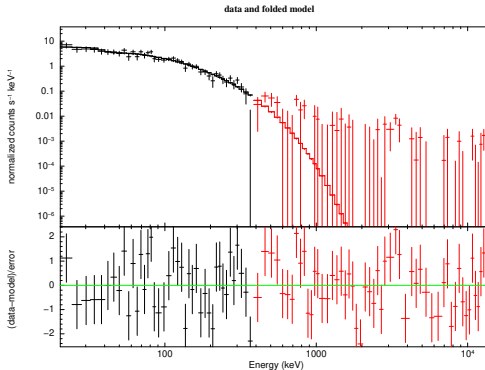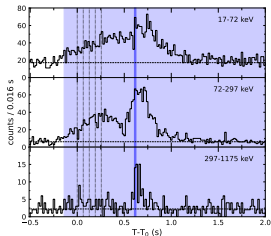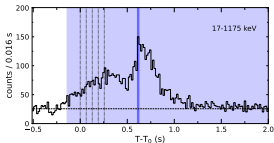
andromeda 13–Dec–2022 16:34

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.37^{+0.06}_{-0.07}$	...	...	$18.60^{+3.46}_{-3.31}$	69.1/24
CPL	$-0.56^{+0.39}_{-0.29}$	...	888^{+435}_{-227}	$9.22^{+2.63}_{-1.81}$	23.1/23
GRBM	$-0.55^{+0.42}_{-0.30}$	~ -3.27	864^{+306}_{-252}	$9.87^{+4.22}_{-1.96}$	23.1/22

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.078	0.120	0.142 ± 0.018	0.072 ± 0.010	1-3	$0.000 - 0.192$

KONUS-WIND GRB 160702
T0 = 44544.054 s UT (12:22:24.054)
S2

data and folded model
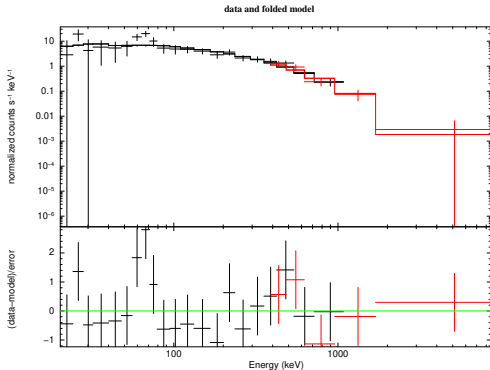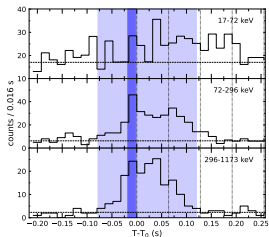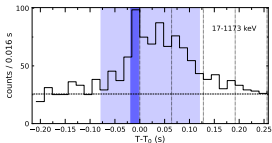
andromeda 13–Dec–2022 16:34

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.63^{+0.58}_{-0.80}$	...	...	$0.12^{+0.27}_{-0.10}$	78.9/99
CPL	$+0.88^{+12.94}_{-2.76}$	...	137^{+2685}_{-44}	$0.03^{+0.14}_{-0.02}$	76.6/98
GRBM	$\sim +15.00$	~ -2.52	73^{+275}_{-73}	$0.04^{+0.17}_{-0.03}$	76.3/97

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.078	0.120	0.142 ± 0.018	0.072 ± 0.010	5-6	$0.256 - 16.640$

KONUS-WIND GRB 160702
T_0 = 44544.054 s UT (12:22:24.054)
S2
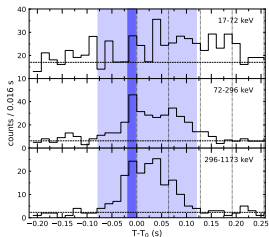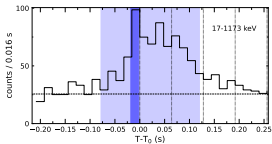
data and folded model
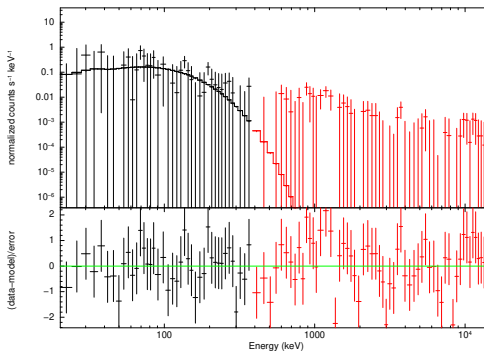
andromeda 13–Dec–2022 16:34

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.17^{+0.04}_{-0.04}$	...	...	$44.07^{+5.04}_{-4.99}$	127.3/36
CPL	$-0.50^{+0.17}_{-0.15}$	...	2605^{+604}_{-497}	$37.99^{+6.25}_{-6.08}$	29.6/35
GRBM	$-0.51^{+0.20}_{-0.10}$	~ -10.00	2605^{+604}_{-497}	$38.05^{+6.33}_{-2.93}$	29.6/34

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.164	0.306	0.388 ± 0.041	0.200 ± 0.019	1-4	$0.000 - 0.256$

KONUS-WIND GRB 160709
T_0 = 71345.896 s UT (19:49:05.896)
S1

data and folded model
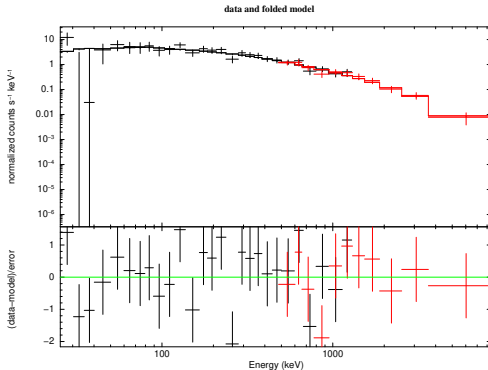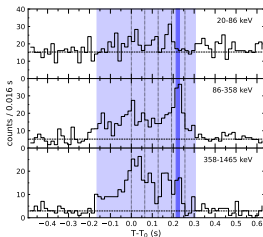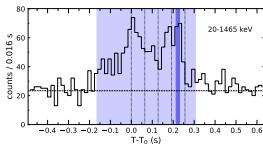
andromeda 13–Dec–2022 16:34

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.64^{+0.12}_{-0.13}$	...	...	$6.83^{+2.55}_{-2.17}$	35.3/13
CPL	$-0.55^{+0.65}_{-0.48}$	...	379^{+215}_{-110}	$3.52^{+1.16}_{-0.89}$	11.0/12
GRBM	$-0.56^{+0.66}_{-0.47}$	~ -10.00	379^{+215}_{-110}	$3.52^{+0.59}_{-0.90}$	11.0/11

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.102	0.092	0.166 ± 0.021	0.064 ± 0.017	1-2	$0.000 - 0.128$

KONUS-WIND GRB 160726
T_0 = 05645.315 s UT (01:34:05.315)
S1

data and folded model
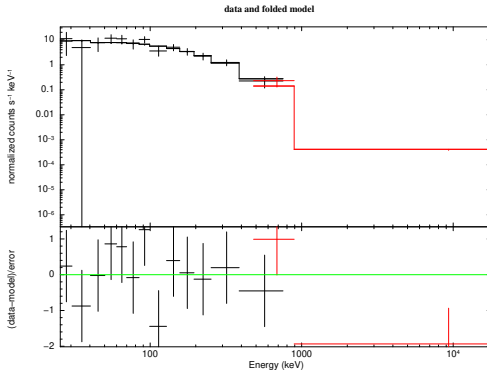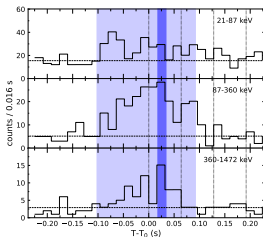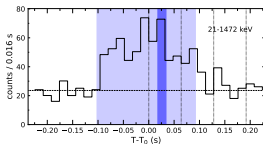
andromeda 13–Dec–2022 16:34

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.66^{+0.10}_{-0.10}$	...	...	$5.95^{+1.67}_{-1.44}$	39.1/25
CPL	$-1.18^{+0.59}_{-0.45}$	...	305^{+1926}_{-122}	$2.42^{+2.57}_{-0.61}$	34.0/24
GRBM	$-0.68^{+1.04}_{-0.63}$	$-2.08^{+0.29}_{-0.70}$	168^{+177}_{-65}	$3.70^{+1.78}_{-1.32}$	29.5/23

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.498	0.544	0.822 ± 0.089	0.306 ± 0.049	1-4	$0.000 - 0.256$

KONUS-WIND GRB 160806
$T_0 = 50460.639$ s UT (14:01:00.639)
S2

data and folded model
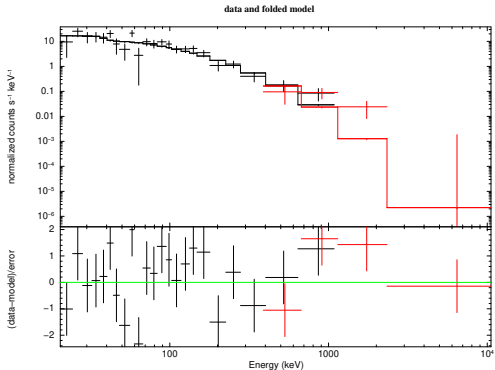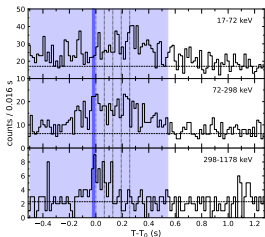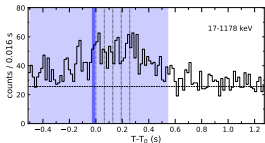
andromeda 13–Dec–2022 16:34

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.40^{+0.19}_{-0.21}$	...	...	$6.52^{+3.71}_{-3.09}$	20.3/10
CPL	$+0.78^{+2.85}_{-1.46}$	...	361^{+369}_{-105}	$1.94^{+1.12}_{-0.67}$	9.8/9
GRBM	$\sim +0.84$	~ -3.46	350^{+310}_{-202}	$2.17^{+2.42}_{-0.88}$	9.8/8

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.158	0.074	0.196 ± 0.027	0.096 ± 0.020	1-2	$0.000 - 0.128$

KONUS-WIND GRB 160820
T_0 = 42855.115 s UT (11:54:15.115)
S2

data and folded model

andromeda 13-Dec-2022 16:34

GRB20160822_T58061
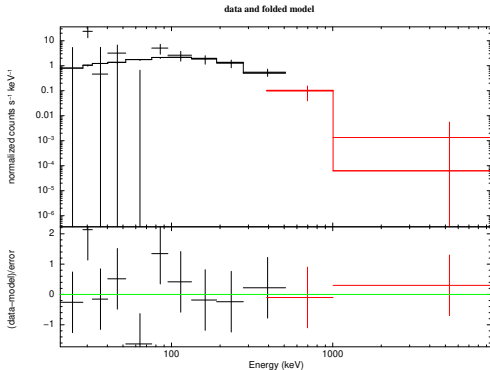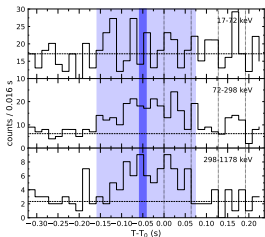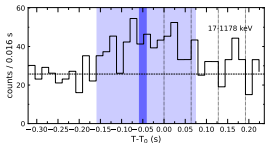
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.16^{+0.20}_{-0.20}$	...	...	$37.95^{+26.22}_{-17.27}$	4.8/7
CPL	$-0.94^{+1.01}_{-0.40}$	...	~ 1423	$11.56^{+23.45}_{-6.73}$	4.4/6
GRBM	$-0.92^{+3.48}_{-0.41}$	~ -9.37	~ 1391	$11.53^{+64.63}_{-6.09}$	4.4/5

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.016	0.014	0.020 ± 0.004	0.006 ± 0.003	1	$0.000 - 0.064$

KONUS-WIND GRB 160822
$T_0 = 58061.153$ s UT (16:07:41.153)
S2
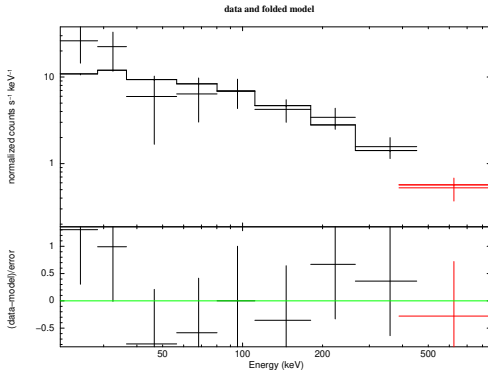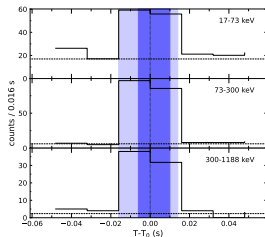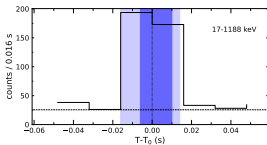
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.18^{+0.06}_{-0.06}$	...	...	$29.80^{+5.40}_{-5.28}$	70.1/19
CPL	$-0.27^{+0.38}_{-0.30}$	...	1214^{+604}_{-316}	$15.37^{+5.31}_{-3.54}$	17.6/18
GRBM	$-0.20^{+0.48}_{-0.32}$	~ -2.22	1073^{+548}_{-389}	$20.61^{+6.84}_{-7.07}$	15.5/17

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.068	0.130	0.168 ± 0.019	0.066 ± 0.012	1-2	$0.000 - 0.128$

KONUS-WIND GRB 161011
T_0 = 18824.426 s UT (05:13:44.426)
S1

data and folded model
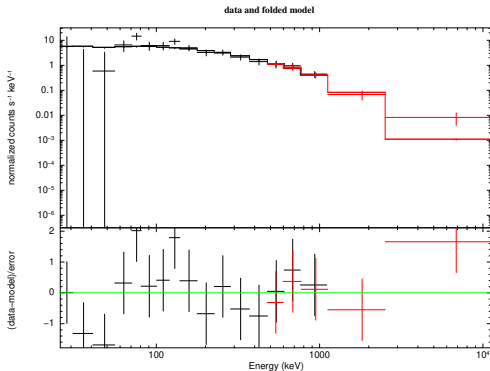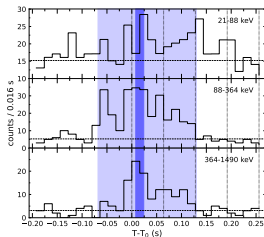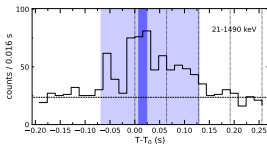
andromeda 13–Dec–2022 16:34

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.07^{+0.09}_{-0.09}$	...	...	$46.75^{+11.09}_{-10.06}$	30.7/17
CPL	$-0.36^{+0.41}_{-0.32}$	...	1222^{+663}_{-340}	$14.82^{+5.32}_{-3.54}$	11.7/16
GRBM	$-0.36^{+0.33}_{-0.31}$	~ -3.86	1219^{+518}_{-492}	$15.34^{+12.87}_{-2.79}$	11.7/15

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.056	0.134	0.154 ± 0.025	0.072 ± 0.011	1-2	$0.000 - 0.128$
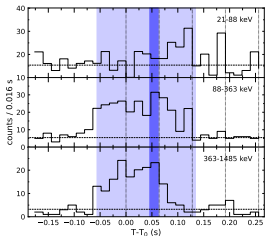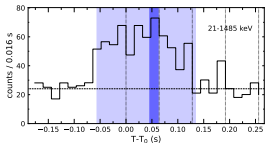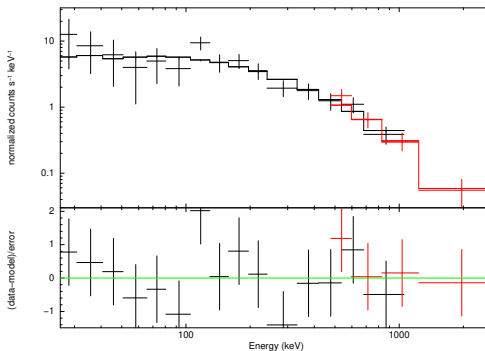
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.90^{+0.02}_{-0.02}$	...	...	$14.21^{+0.71}_{-0.69}$	311.4/58
CPL	$-1.32^{+0.09}_{-0.08}$	...	160^{+16}_{-13}	$7.56^{+0.36}_{-0.34}$	79.1/57
GRBM	$-1.07^{+0.17}_{-0.15}$	$-2.46^{+0.13}_{-0.20}$	121^{+18}_{-14}	$9.13^{+0.74}_{-0.72}$	56.8/56

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.228	3.664	2.088 ± 0.433	0.564 ± 0.049	1-5	$0.000 - 1.280$

KONUS-WIND GRB 170101
T_0 = 08757.802 s UT (02:25:57.802)
S2

data and folded model
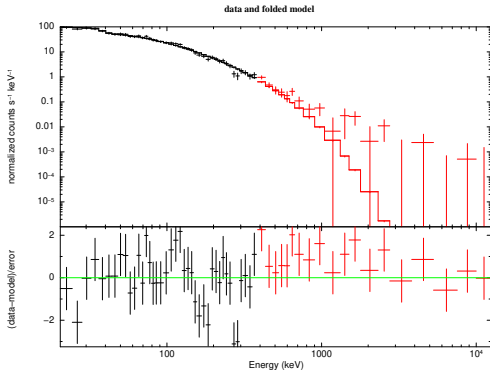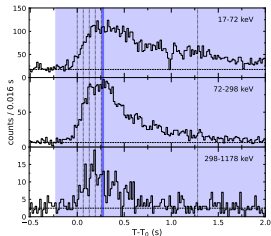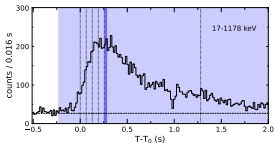
andromeda 13–Dec–2022 16:34

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.32^{+0.04}_{-0.04}$	...	...	$22.31^{+2.92}_{-2.85}$	178.1/37
CPL	$-0.37^{+0.27}_{-0.22}$	...	901^{+289}_{-189}	$12.58^{+2.56}_{-1.97}$	38.1/36
GRBM	$+0.19^{+0.57}_{-0.51}$	$-2.08^{+0.21}_{-0.55}$	528^{+280}_{-121}	$17.46^{+3.43}_{-3.58}$	32.3/35

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.212	0.528	0.544 ± 0.065	0.216 ± 0.021	1-4	$0.000 - 0.256$

KONUS-WIND GRB 170109
T_0 = 47357.909 s UT (13:09:17.909)
S1

data and folded model
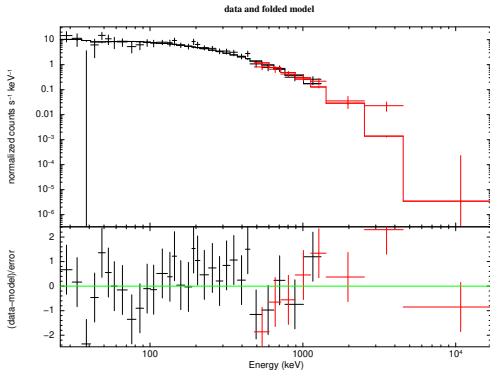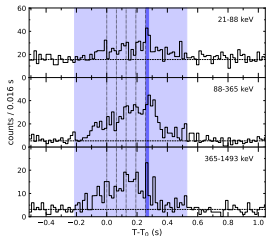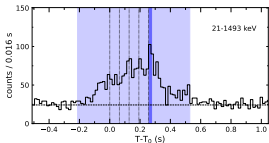
andromeda 13-Dec-2022 16:34

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.36^{+0.13}_{-0.15}$	...	...	$0.92^{+0.39}_{-0.34}$	95.6/98
CPL	$-0.91^{+0.53}_{-0.34}$	...	1268^{+3310}_{-768}	$0.47^{+0.48}_{-0.24}$	88.3/97
GRBM	$-0.90^{+11.92}_{-0.36}$	~ -9.37	1238^{+3341}_{-695}	$0.46^{+0.49}_{-0.23}$	88.3/96

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.438	1.024	1.210 ± 0.079	0.622 ± 0.101	1-5	$0.000 - 8.448$

KONUS-WIND GRB 170121
T_0 = 05812.788 s UT (01:36:52.788)
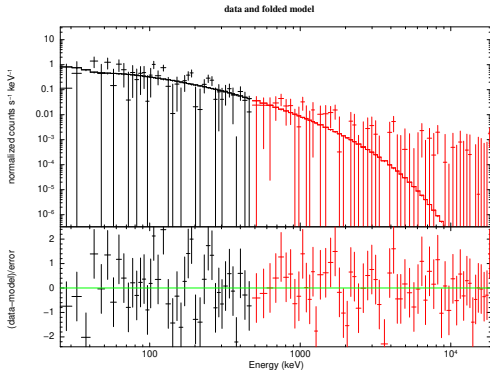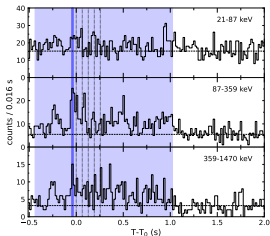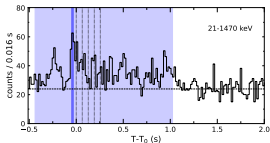
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.34^{+0.03}_{-0.03}$	...	...	$51.53^{+4.77}_{-4.74}$	603.1/50
CPL	$+0.01^{+0.16}_{-0.14}$	...	887^{+87}_{-79}	$47.40^{+3.93}_{-3.77}$	42.9/49
GRBM	$+0.03^{+0.17}_{-0.15}$	~ -4.13	873^{+96}_{-92}	$48.84^{+5.78}_{-4.59}$	42.5/48

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.010	109.824	92.154 ± 14.836	40.426 ± 11.405	1-3	$0.000 - 0.192$

KONUS-WIND GRB 170127
T_0 = 05744.660 s UT (01:35:44.660)
S1

data and folded model
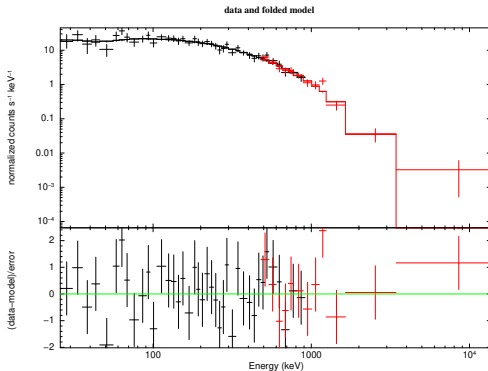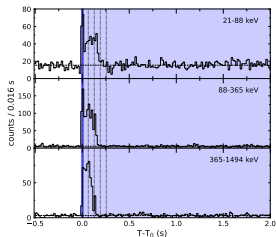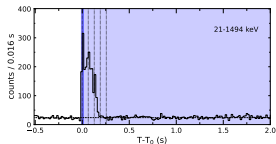
andromeda 13–Dec–2022 16:34

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.84^{+0.13}_{-0.14}$	...	...	$0.20^{+0.07}_{-0.05}$	76.3/98
CPL	$-1.58^{+0.43}_{-0.33}$	...	~ 226	$0.10^{+0.12}_{-0.03}$	74.5/97
GRBM	$-1.58^{+2.32}_{-0.33}$	~ -2.65	224^{+568}_{-140}	$0.12^{+0.12}_{-0.04}$	74.4/96

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.010	109.824	92.154 ± 14.836	40.426 ± 11.405	5-15	$0.256 - 90.368$

KONUS-WIND GRB 170127
$T_0 = 05744.660$ s UT (01:35:44.660)
S1

data and folded model
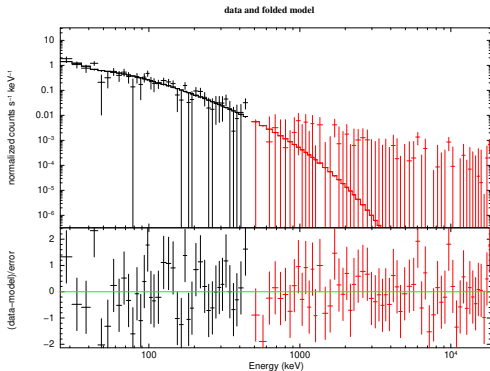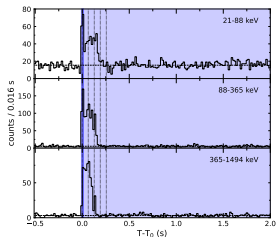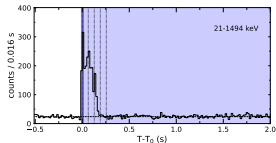
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Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.52^{+0.02}_{-0.02}$	...	...	$19.43^{+1.22}_{-1.20}$	616.5/63
CPL	$-0.40^{+0.14}_{-0.13}$	...	356^{+35}_{-30}	$7.69^{+0.52}_{-0.48}$	98.2/62
GRBM	$+0.01^{+0.24}_{-0.21}$	$-2.27^{+0.13}_{-0.17}$	259^{+33}_{-29}	$11.22^{+1.26}_{-1.19}$	58.5/61

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.228	1.296	1.072 ± 0.048	0.542 ± 0.041	1-5	$0.000 - 1.280$

KONUS-WIND GRB 170206
T_0 = 39121.226 s UT (10:52:01.226)
S2

data and folded model
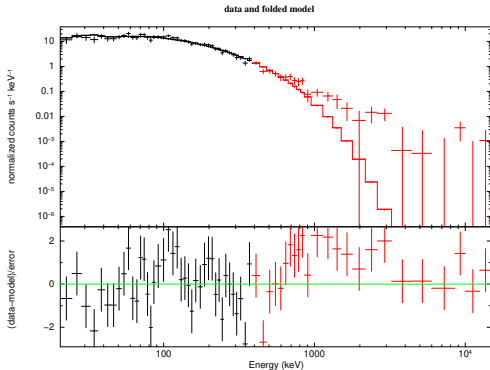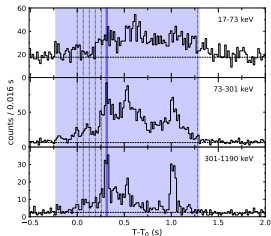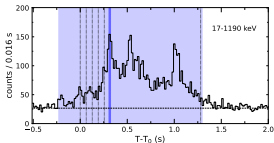
andromeda 13-Dec-2022 16:34

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.35^{+0.17}_{-0.17}$	...	...	$24.75^{+13.86}_{-9.79}$	8.6/8
CPL	$-1.29^{+0.44}_{-0.22}$	...	~ 9917	$20.86^{+4.82}_{-6.70}$	8.7/7
GRBM	~ -1.99	$-1.35^{+0.10}_{-0.15}$	~ 9990	$24.17^{+12.00}_{-5.86}$	8.6/6

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.056	0.070	0.090 ± 0.024	0.028 ± 0.009	1	$0.000 - 0.064$

KONUS-WIND GRB 170219
T_0 = 00186.125 s UT (00:03:06.125)
S2

data and folded model
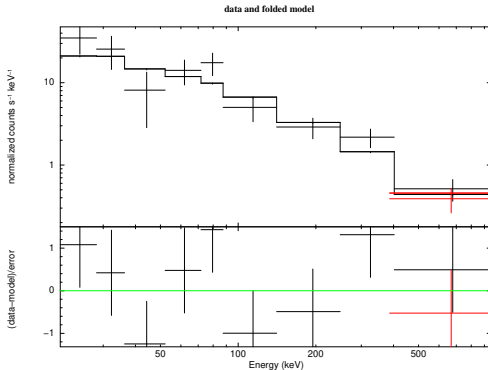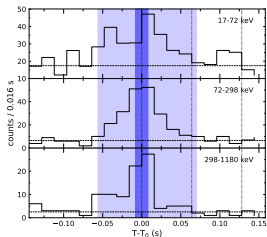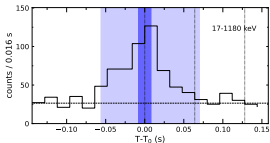
andromeda 13–Dec–2022 16:34

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.27^{+0.14}_{-0.14}$	...	...	$17.39^{+7.71}_{-6.05}$	20.3/12
CPL	$-0.46^{+1.14}_{-0.69}$	...	441^{+1597}_{-188}	$3.52^{+4.98}_{-1.23}$	15.3/11
GRBM	$\sim +0.45$	$-1.83^{+0.52}_{-0.83}$	236^{+240}_{-167}	$7.75^{+7.52}_{-4.21}$	10.9/10

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.078	0.100	0.144 ± 0.023	0.062 ± 0.017	1-2	$0.000 - 0.128$

KONUS-WIND GRB 170220
T_0 = 67678.467 s UT (18:47:58.467)
S1

data and folded model
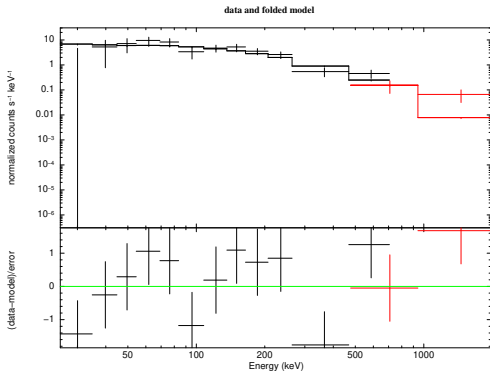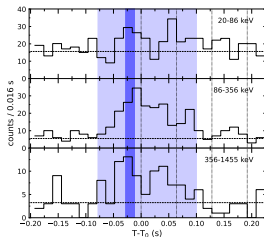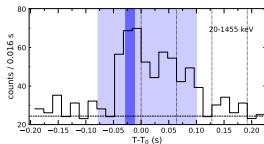
andromeda 13–Dec–2022 16:34

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.30^{+0.01}_{-0.01}$	...	...	$112.77^{+4.66}_{-4.65}$	1681.6/74
CPL	$-0.65^{+0.03}_{-0.03}$	...	2849^{+183}_{-176}	$188.06^{+9.03}_{-9.09}$	84.7/73
GRBM	$-0.66^{+0.04}_{-0.03}$	~ -10.00	2848^{+183}_{-176}	$188.53^{+9.15}_{-9.20}$	84.7/72

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.082	58.496	38.320 ± 1.350	10.528 ± 0.220	1-5	$0.000 - 0.512$

KONUS-WIND GRB 170304
T_0 = 20449.144 s UT (05:40:49.144)
S1

data and folded model
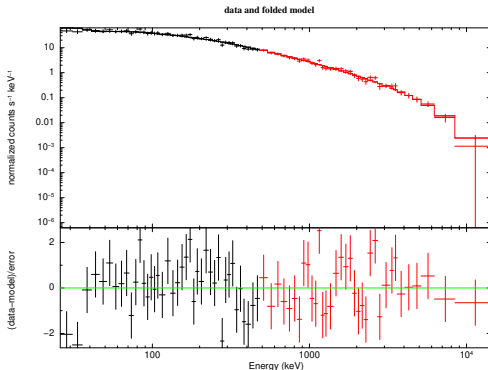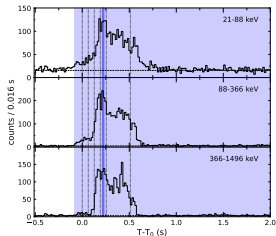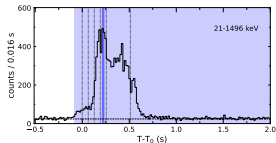
andromeda 13–Dec–2022 16:34

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.46^{+0.01}_{-0.01}$	...	...	$5.99^{+0.17}_{-0.17}$	970.0/99
CPL	$-1.10^{+0.03}_{-0.03}$	...	952^{+98}_{-84}	$2.83^{+0.16}_{-0.15}$	144.6/98
GRBM	$-1.05^{+0.04}_{-0.04}$	$-2.25^{+0.17}_{-0.29}$	787^{+111}_{-100}	$3.37^{+0.26}_{-0.26}$	130.7/97

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.082	58.496	38.320 ± 1.350	10.528 ± 0.220	7-17	$8.704 - 66.304$

KONUS-WIND GRB 170304
T_0 = 20449.144 s UT (05:40:49.144)
S1

data and folded model
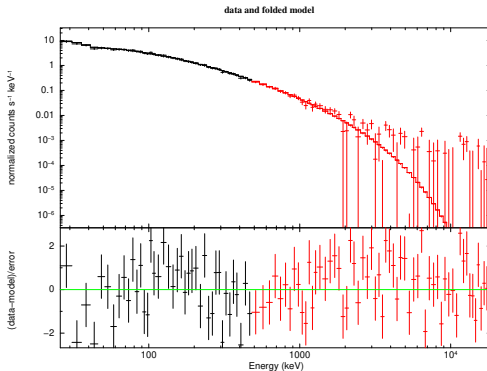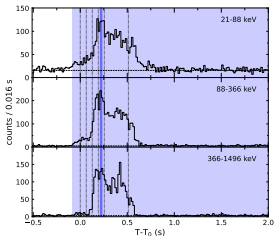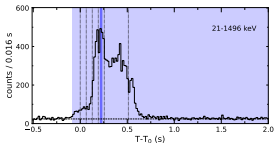
andromeda 13−Dec−2022 16:34

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.82^{+0.12}_{-0.13}$	...	...	$5.44^{+1.66}_{-1.39}$	59.4/24
CPL	$-0.41^{+0.69}_{-0.53}$	...	240^{+61}_{-48}	$2.79^{+0.57}_{-0.53}$	31.9/23
GRBM	$-0.41^{+0.69}_{-0.54}$	~ -10.00	239^{+61}_{-48}	$2.79^{+0.41}_{-0.53}$	31.9/22

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.066	0.298	0.292 ± 0.091	0.084 ± 0.020	1-4	$0.000 - 0.256$

KONUS-WIND GRB 170305
T_0 = 22143.260 s UT (06:09:03.260)
S1

data and folded model

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GRB20170403_T50358
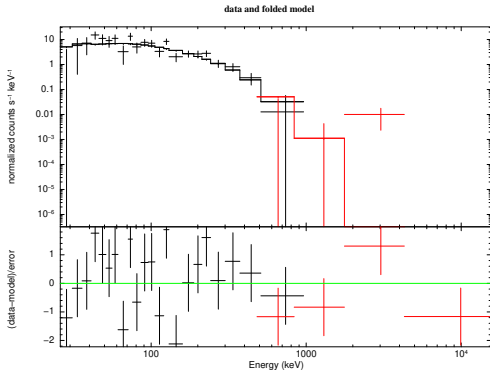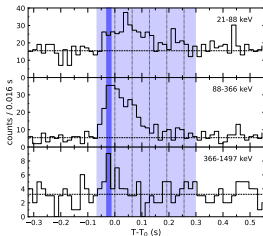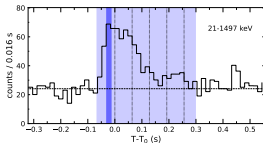
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.58^{+0.38}_{-0.42}$	...	...	$3.40^{+4.96}_{-2.40}$	19.5/5
CPL	$\sim +5.15$	...	77^{+16}_{-15}	$0.75^{+0.28}_{-0.27}$	6.8/4
GRBM	$\sim +5.10$	~ -10.00	77^{+16}_{-13}	$0.75^{+0.25}_{-0.27}$	6.8/3

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.064	0.050	0.104 ± 0.017	0.048 ± 0.014	1	$0.000 - 0.064$

KONUS-WIND GRB 170403
T_0 = 50358.544 s UT (13:59:18.544)
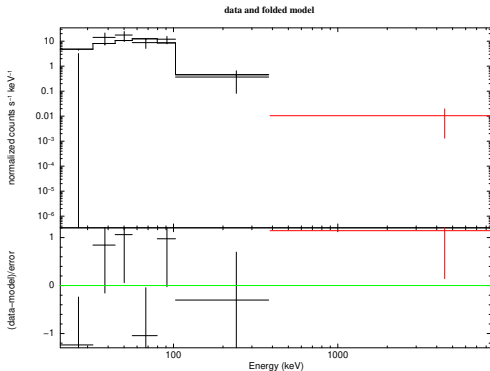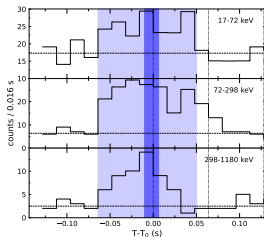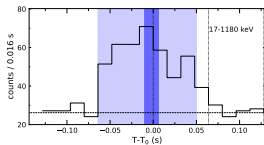
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.10^{+0.05}_{-0.05}$	...	...	$78.00^{+11.47}_{-10.81}$	77.8/27
CPL	$-0.51^{+0.20}_{-0.17}$	...	1135^{+339}_{-231}	$24.71^{+5.14}_{-4.09}$	25.1/26
GRBM	$-0.51^{+0.26}_{-0.17}$	~ -9.37	1134^{+336}_{-403}	$24.65^{+14.31}_{-2.51}$	25.1/25

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.016	0.128	0.130 ± 0.008	0.060 ± 0.012	1-2	$0.000 - 0.128$

KONUS-WIND GRB 170428
T_0 = 33218.719 s UT (09:13:38.719)
S2

data and folded model
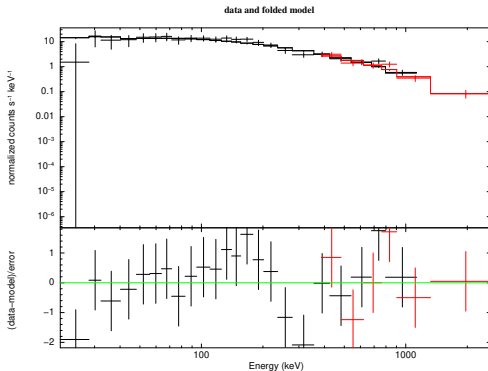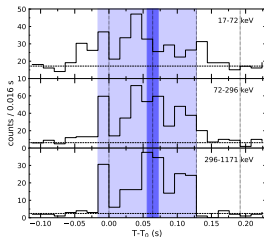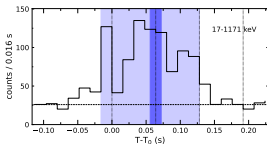
andromeda 13–Dec–2022 16:34

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.28^{+0.10}_{-0.10}$	...	...	$13.50^{+3.83}_{-3.40}$	31.2/24
CPL	$-0.83^{+0.42}_{-0.28}$	...	1176^{+1383}_{-505}	$5.47^{+3.16}_{-1.77}$	21.0/23
GRBM	$-0.83^{+0.64}_{-0.25}$	~ -4.95	1181^{+710}_{-694}	$5.49^{+5.54}_{-1.14}$	21.0/22

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.108	0.216	0.276 ± 0.047	0.104 ± 0.019	1-4	$0.000 - 0.256$

KONUS-WIND GRB 170604
T_0 = 52083.736 s UT (14:28:03.736)
S2

data and folded model
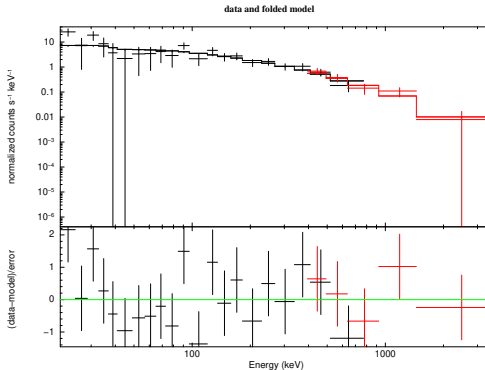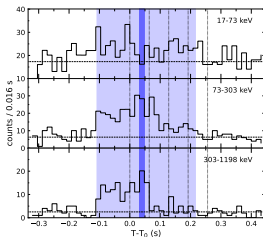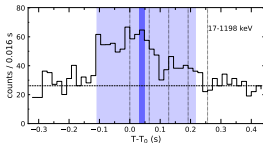
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Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.19^{+0.09}_{-0.10}$	...	...	$37.94^{+9.40}_{-9.09}$	17.1/10
CPL	$-0.71^{+0.37}_{-0.27}$	...	2667^{+2771}_{-1177}	$28.91^{+12.02}_{-10.43}$	5.4/9
GRBM	$-0.72^{+0.61}_{-0.26}$	~ -10.00	2667^{+2770}_{-921}	$28.97^{+12.32}_{-4.65}$	5.4/8

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.016	0.026	0.034 ± 0.004	0.018 ± 0.006	1	$0.000 - 0.064$
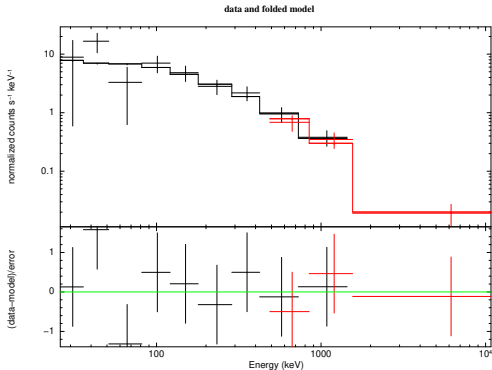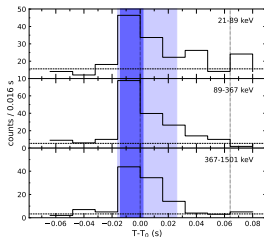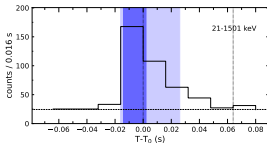
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.30^{+0.57}_{-0.50}$	...	...	$8.70^{+13.48}_{-6.40}$	4.7/4
CPL	$-1.27^{+1.58}_{-0.53}$	...	~ 10000	$7.37^{+9.77}_{-7.38}$	4.7/3
GRBM	$\sim +0.04$	~ -1.55	255^{+1412}_{-255}	$6.01^{+14.21}_{-5.06}$	4.5/2

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.644	0.036	0.656 ± 0.116	0.380 ± 0.049	1	$0.000 - 0.064$

KONUS-WIND GRB 170702
$T_0 = 70030.044$ s UT (19:27:10.044)
S1

data and folded model
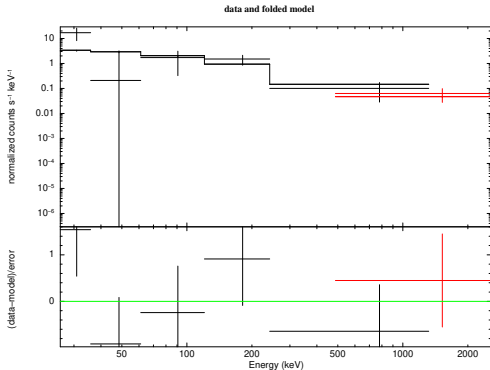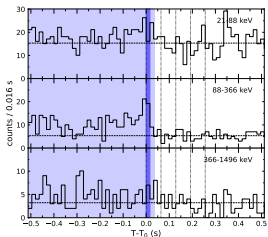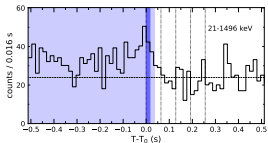
andromeda 13–Dec–2022 16:34

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.38^{+0.05}_{-0.05}$	...	...	$19.79^{+2.93}_{-2.83}$	82.7/33
CPL	$-0.66^{+0.22}_{-0.20}$	...	655^{+204}_{-129}	$7.89^{+1.42}_{-1.17}$	29.5/32
GRBM	$+0.17^{+1.62}_{-0.83}$	$-1.77^{+0.15}_{-1.02}$	244^{+454}_{-104}	$13.93^{+3.22}_{-4.95}$	25.0/31

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.244	0.226	0.380 ± 0.035	0.148 ± 0.011	1-4	$0.000 - 0.256$

KONUS-WIND GRB 170802
$T_0 = 55108.100$ s UT (15:18:28.100)
S1

data and folded model
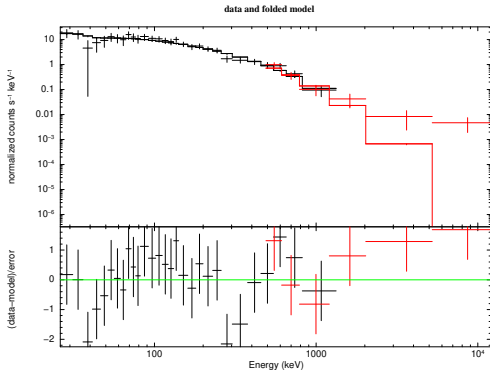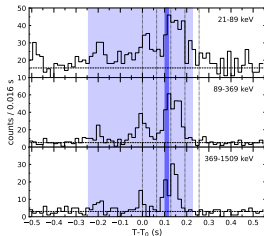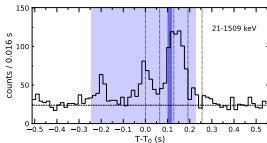
andromeda 13–Dec–2022 16:59

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.34^{+0.38}_{-0.34}$	...	...	$7.53^{+8.49}_{-4.58}$	8.9/8
CPL	$+0.60^{+3.96}_{-1.75}$	...	341^{+934}_{-131}	$1.61^{+1.67}_{-0.71}$	5.0/7
GRBM	$\sim +15.00$	~ -2.17	152^{+559}_{-48}	$2.69^{+4.67}_{-1.70}$	4.0/6

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.212	0.102	0.292 ± 0.038	0.146 ± 0.028	1-2	$0.000 - 0.128$

KONUS-WIND GRB 170803
T_0 = 79235.981 s UT (22:00:35.981)
S2

data and folded model
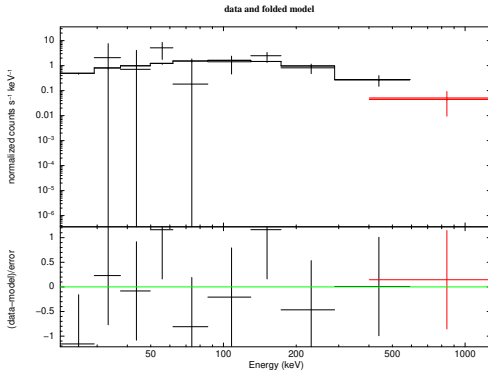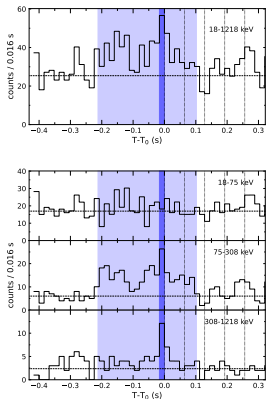
andromeda 13–Dec–2022 16:59

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.67^{+0.11}_{-0.12}$	...	...	$5.65^{+1.88}_{-1.57}$	21.2/19
CPL	$-1.35^{+0.51}_{-0.29}$	...	401^{+1739}_{-213}	$2.62^{+2.16}_{-0.82}$	16.4/18
GRBM	$-0.64^{+1.32}_{-0.73}$	$-2.07^{+0.31}_{-0.47}$	146^{+215}_{-64}	$3.49^{+1.96}_{-1.34}$	13.6/17

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.032	0.146	0.150 ± 0.038	0.054 ± 0.018	1-3	$0.000 - 0.192$

KONUS-WIND GRB 170805
T_0 = 51527.165 s UT (14:18:47.165)
S2

data and folded model
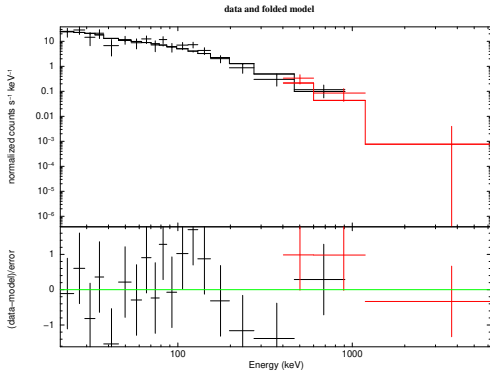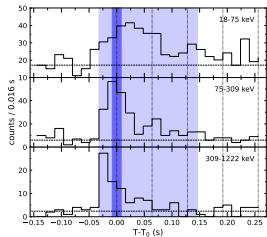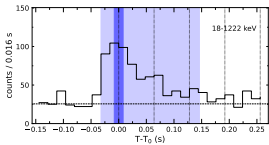
andromeda 13–Dec–2022 16:59

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.28^{+0.05}_{-0.05}$	...	...	$28.31^{+3.78}_{-3.70}$	154.0/35
CPL	$-0.30^{+0.25}_{-0.20}$	...	1377^{+310}_{-248}	$19.79^{+3.47}_{-3.08}$	22.5/34
GRBM	$-0.31^{+0.30}_{-0.21}$	~ -10.00	1377^{+309}_{-164}	$19.80^{+1.57}_{-3.08}$	22.5/33

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.062	1.488	1.486 ± 0.072	0.146 ± 0.017	1-4	$0.000 - 0.256$

KONUS-WIND GRB 170816
T_0 = 51789.108 s UT (14:23:09.108)
S2

data and folded model
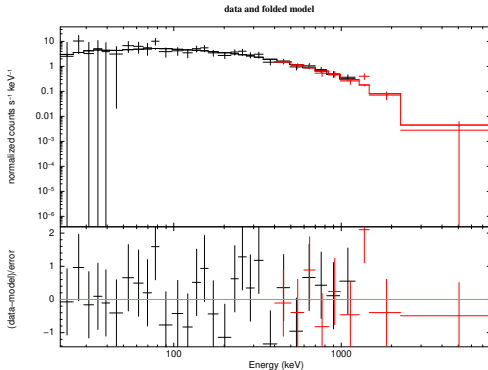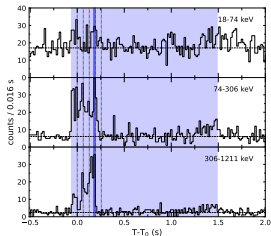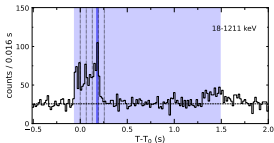
andromeda 13–Dec–2022 16:59

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.24^{+0.66}_{-0.53}$	...	...	$13.30^{+29.21}_{-9.81}$	2.8/4
CPL	$-1.22^{+1.47}_{-0.55}$	...	~ 9876	$10.63^{+22.77}_{-10.68}$	2.9/3
GRBM	~ -1.83	$-1.25^{+0.66}_{-0.58}$	~ 1517	$13.11^{+18.03}_{-7.42}$	2.5/2

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.102	0.016	0.114 ± 0.008	0.074 ± 0.017	1	$0.000 - 0.064$

KONUS-WIND GRB 170826
T_0 = 31868.408 s UT (08:51:08.408)
S2

data and folded model
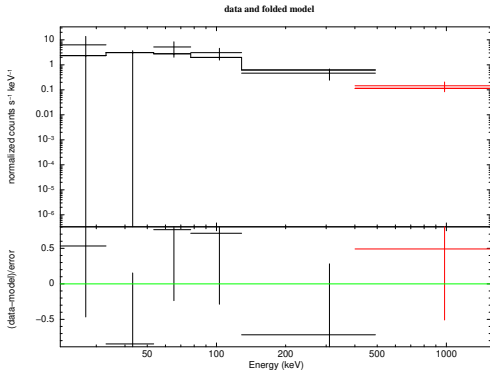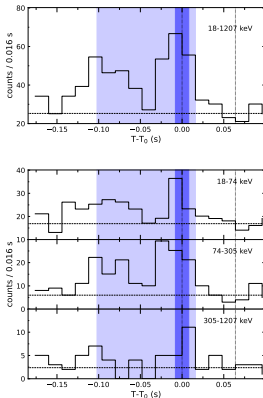
andromeda 13–Dec–2022 16:59

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.48^{+0.42}_{-0.61}$	...	...	$3.84^{+5.71}_{-3.03}$	0.5/4
CPL	~ -1.35	...	~ 2129	$2.54^{+2.30}_{-2.54}$	0.4/3
GRBM	$-1.34^{+8.46}_{-0.52}$	~ -9.37	~ 2136	$2.54^{+3.48}_{-2.10}$	0.4/2

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.148	0.032	0.178 ± 0.024	0.082 ± 0.037	1	$0.000 - 0.064$

KONUS-WIND GRB 170827
T_0 = 70686.844 s UT (19:38:06.844)
S1

data and folded model
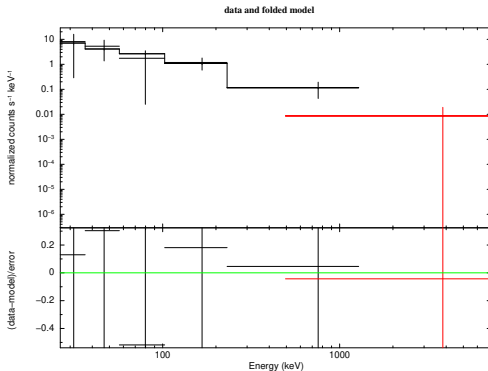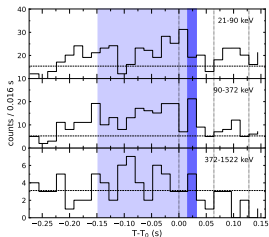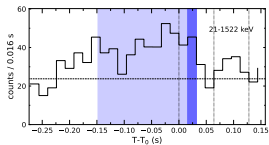
andromeda 13–Dec–2022 16:59

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.29^{+0.05}_{-0.05}$	...	...	$28.58^{+3.83}_{-3.77}$	91.7/35
CPL	$-0.81^{+0.17}_{-0.15}$	...	2652^{+1126}_{-756}	$24.37^{+5.48}_{-5.16}$	42.7/34
GRBM	$-0.81^{+0.19}_{-0.15}$	~ -3.58	2609^{+1076}_{-881}	$24.34^{+5.58}_{-4.34}$	42.7/33

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.044	0.244	0.214 ± 0.045	0.116 ± 0.015	1-4	$0.000 - 0.256$

KONUS-WIND GRB 171103
T_0 = 83429.176 s UT (23:10:29.176)
S2

data and folded model

andromeda 13–Dec–2022 16:59

GRB20171108_T51656
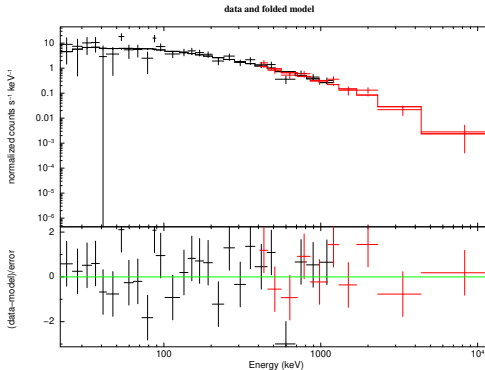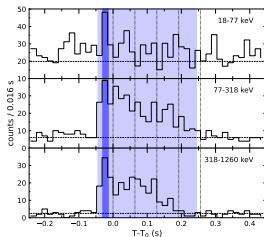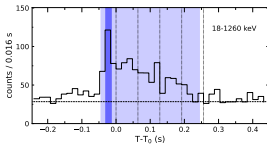
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-2.29^{+0.14}_{-0.15}$	...	...	$3.10^{+0.53}_{-0.47}$	37.5/21
CPL	$-1.19^{+0.67}_{-0.51}$	...	81^{+22}_{-28}	$2.11^{+0.36}_{-0.34}$	19.0/20
GRBM	$-1.23^{+0.65}_{-0.47}$	~ -10.00	81^{+22}_{-28}	$2.11^{+0.29}_{-0.34}$	19.0/19

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.380	0.408	0.668 ± 0.137	0.176 ± 0.053	1-4	$0.000 - 0.256$
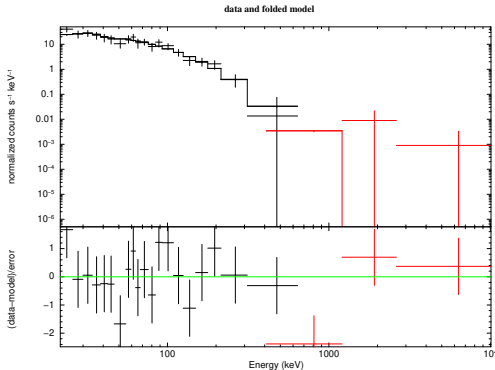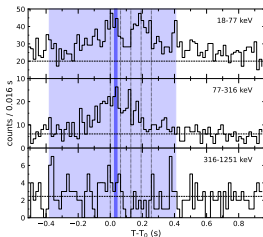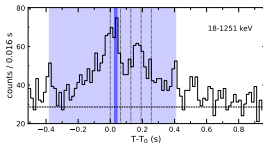
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-2.00^{+0.29}_{-0.37}$	...	...	$4.06^{+2.90}_{-1.70}$	3.8/6
CPL	~ -0.17	...	93^{+545}_{-93}	$1.70^{+2.44}_{-0.62}$	1.1/5
GRBM	$\sim +0.96$	~ -2.74	76^{+340}_{-55}	$2.07^{+2.80}_{-0.95}$	0.8/4

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.022	0.008	0.024 ± 0.005	0.010 ± 0.005	1	$0.000 - 0.064$

KONUS-WIND GRB 171108
T_0 = 56686.930 s UT (15:44:46.930)
S2

data and folded model
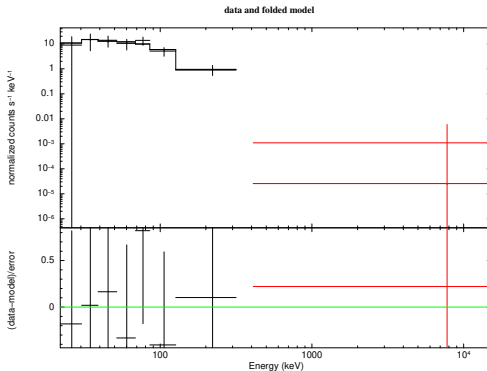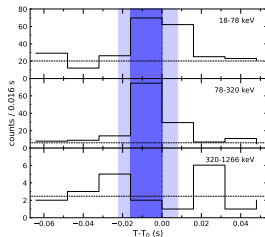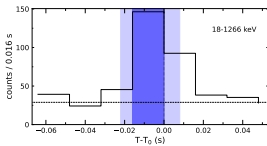
andromeda 13–Dec–2022 16:59

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.98^{+0.09}_{-0.10}$	...	...	$0.54^{+0.12}_{-0.10}$	93.4/99
CPL	$-1.08^{+0.49}_{-0.40}$	...	86^{+22}_{-14}	$0.26^{+0.04}_{-0.03}$	72.7/98
GRBM	$+0.33^{+2.05}_{-1.55}$	~ -2.49	58^{+32}_{-11}	$0.32^{+0.09}_{-0.07}$	70.0/97

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.164	1.520	1.302 ± 0.209	0.406 ± 0.057	1-5	$0.000 - 8.448$

KONUS-WIND GRB 171126
T_0 = 20322.007 s UT (05:38:42.007)
S2

data and folded model
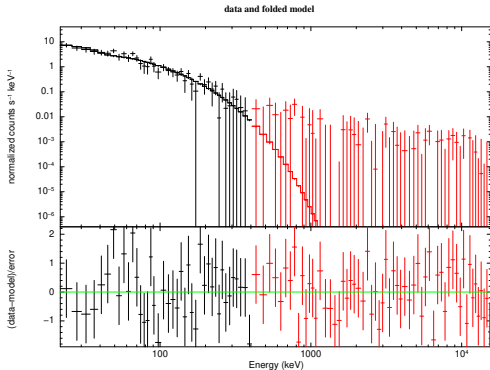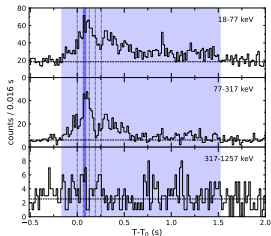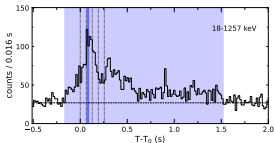
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.63^{+0.06}_{-0.07}$	...	...	$16.54^{+2.71}_{-2.56}$	68.1/31
CPL	$-0.77^{+0.30}_{-0.27}$	...	459^{+128}_{-83}	$8.59^{+1.28}_{-1.14}$	19.9/30
GRBM	$-0.70^{+0.36}_{-0.31}$	~ -2.96	426^{+149}_{-105}	$9.52^{+2.65}_{-1.74}$	19.5/29

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.086	0.306	0.242 ± 0.074	0.106 ± 0.014	1-4	$0.000 - 0.256$

KONUS-WIND GRB 171202
$T_0 = 66819.849$ s UT (18:33:39.849)
S1

data and folded model
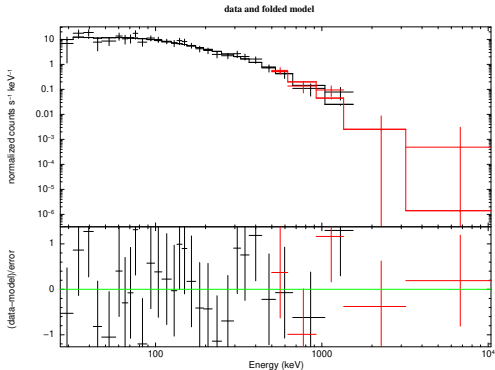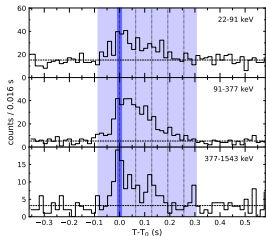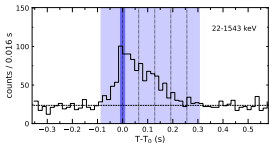
andromeda 13–Dec–2022 16:59

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.39^{+0.05}_{-0.06}$	...	...	$19.14^{+3.27}_{-3.17}$	84.7/27
CPL	$-0.63^{+0.30}_{-0.25}$	...	822^{+372}_{-189}	$9.54^{+2.36}_{-1.67}$	32.5/26
GRBM	$-0.57^{+0.30}_{-0.27}$	~ -2.50	750^{+353}_{-177}	$11.64^{+3.96}_{-3.43}$	31.6/25

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.142	0.166	0.222 ± 0.041	0.082 ± 0.018	1-3	$0.000 - 0.192$

KONUS-WIND GRB 171223
T_0 = 70697.291 s UT (19:38:17.291)
S1

data and folded model
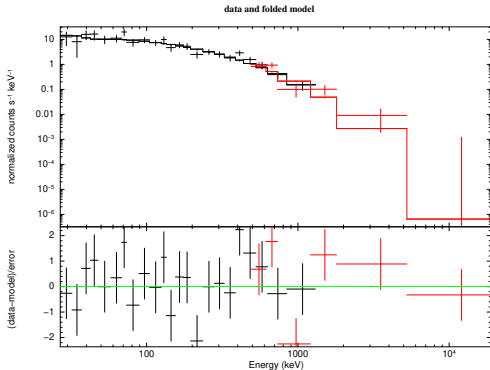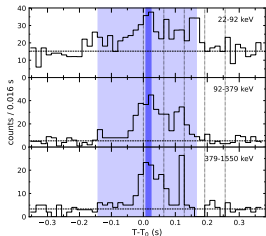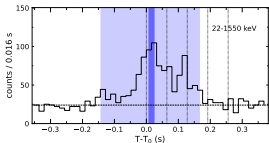
andromeda 13–Dec–2022 16:59

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.35^{+0.05}_{-0.05}$	...	...	$22.44^{+3.50}_{-3.42}$	119.4/30
CPL	$-0.34^{+0.31}_{-0.25}$	...	877^{+232}_{-161}	$12.86^{+2.38}_{-2.00}$	20.9/29
GRBM	$-0.36^{+0.35}_{-0.22}$	~ -10.00	877^{+231}_{-174}	$12.86^{+3.45}_{-2.00}$	20.9/28

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.028	1.008	0.994 ± 0.114	0.648 ± 0.289	1-3	$0.000 - 0.192$

KONUS-WIND GRB 180204
T_0 = 09372.902 s UT (02:36:12.902)
S2

data and folded model
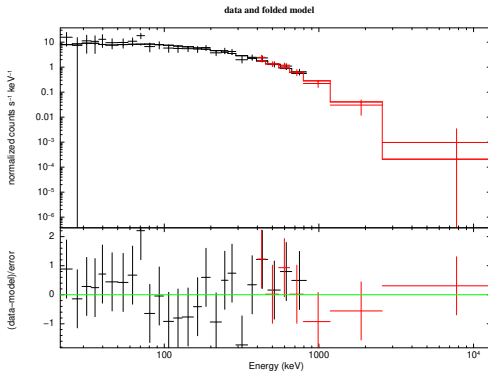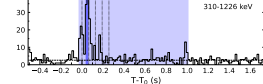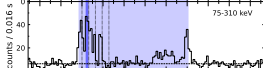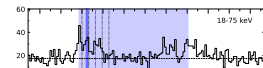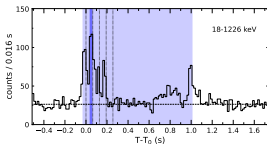
andromeda 13–Dec–2022 16:59

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.49^{+0.65}_{-0.80}$	...	...	$6.13^{+13.70}_{-4.98}$	4.1/4
CPL	$\sim +15.00$	...	91^{+37}_{-9}	$0.69^{+5.42}_{-0.36}$	2.7/3
GRBM	$\sim +4.10$	~ -10.00	91^{+6328}_{-16}	$0.68^{+4.80}_{-0.35}$	2.7/2

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.034	0.040	0.060 ± 0.017	0.020 ± 0.009	1	$0.000 - 0.064$

KONUS-WIND GRB 180317
$T_0 = 61287.097$ s UT (17:01:27.097)
S2

data and folded model
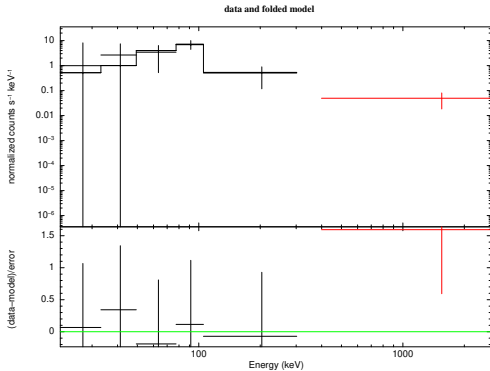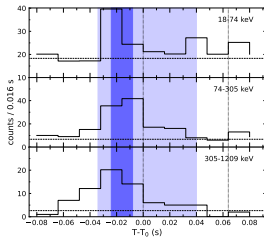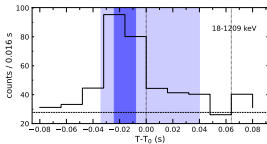
andromeda 13–Dec–2022 16:59

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.89^{+0.15}_{-0.17}$	...	...	$2.42^{+1.00}_{-0.77}$	40.3/21
CPL	$-0.46^{+1.19}_{-0.71}$	...	145^{+54}_{-33}	$1.19^{+0.30}_{-0.27}$	23.3/20
GRBM	$-0.50^{+0.94}_{-0.67}$	~ -10.00	145^{+54}_{-33}	$1.19^{+0.21}_{-0.27}$	23.3/19

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.346	0.400	0.664 ± 0.093	0.260 ± 0.064	1-4	$0.000 - 0.256$

KONUS-WIND GRB 180324
T_0 = 16629.939 s UT (04:37:09.939)
S2

data and folded model

andromeda 13–Dec–2022 16:59

GRB20180402_T35100
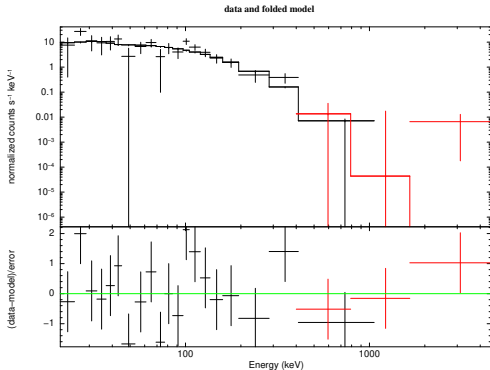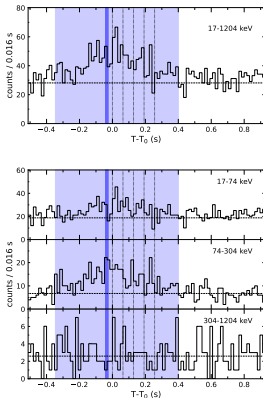
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.50^{+0.09}_{-0.11}$	...	...	$12.36^{+3.55}_{-3.41}$	57.7/15
CPL	$-0.23^{+0.69}_{-0.47}$	...	562^{+277}_{-156}	$6.60^{+2.12}_{-1.57}$	17.1/14
GRBM	$-0.23^{+0.69}_{-0.47}$	~ -10.00	561^{+277}_{-156}	$6.60^{+1.04}_{-1.57}$	17.1/13

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.338	0.116	0.412 ± 0.016	0.122 ± 0.025	1-2	$0.000 - 0.128$

KONUS-WIND GRB 180402
$T_0 = 35100.353$ s UT (09:45:00.353)
S2

data and folded model
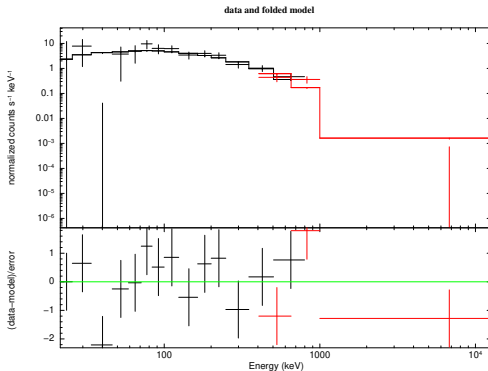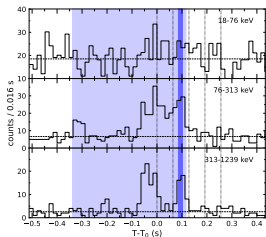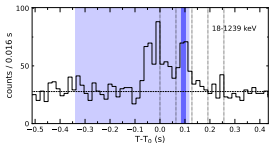
andromeda 13–Dec–2022 16:59

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.39^{+0.08}_{-0.09}$	...	...	$10.80^{+2.73}_{-2.55}$	37.4/25
CPL	$-0.72^{+0.53}_{-0.41}$	...	655^{+1009}_{-247}	$3.92^{+2.61}_{-1.10}$	25.1/24
GRBM	$-0.04^{+1.32}_{-0.78}$	$-1.82^{+0.26}_{-0.56}$	311^{+353}_{-117}	$7.02^{+3.13}_{-2.69}$	20.6/23

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.180	0.342	0.454 ± 0.073	0.174 ± 0.026	1-4	$0.000 - 0.256$

KONUS-WIND GRB 180603
$T_0 = 20386.848$ s UT (05:39:46.848)
S1

data and folded model
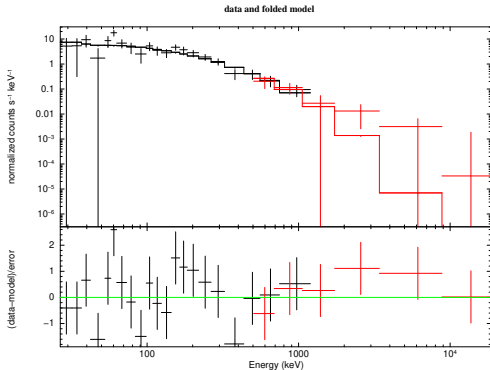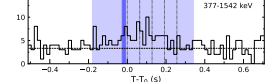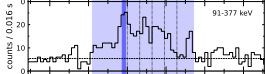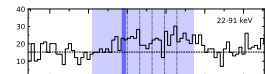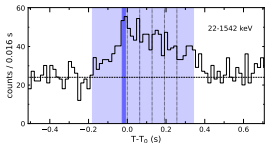
andromeda 13–Dec–2022 16:59

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.15^{+0.05}_{-0.05}$	...	...	$21.66^{+3.31}_{-3.27}$	121.1/32
CPL	$-0.35^{+0.27}_{-0.21}$	...	2374^{+740}_{-555}	$19.48^{+4.73}_{-4.26}$	37.5/31
GRBM	$-0.36^{+0.29}_{-0.18}$	~ -10.00	2374^{+739}_{-304}	$19.50^{+4.77}_{-1.91}$	37.5/30

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.062	1.168	1.078 ± 0.154	0.320 ± 0.172	1-4	$0.000 - 0.256$

KONUS-WIND GRB 180618
T_0 = 02591.201 s UT (00:43:11.201)
S2

data and folded model
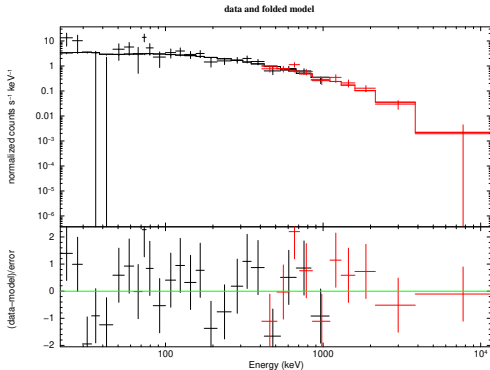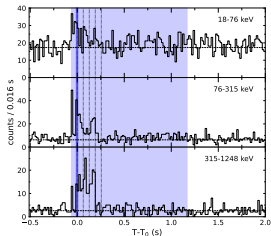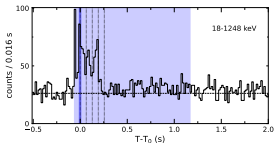
andromeda 13–Dec–2022 16:59

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.64^{+0.10}_{-0.11}$	...	...	$7.37^{+2.27}_{-1.97}$	44.2/19
CPL	$-0.40^{+0.62}_{-0.48}$	...	240^{+81}_{-53}	$2.82^{+0.63}_{-0.55}$	14.9/18
GRBM	$-0.40^{+0.55}_{-0.43}$	~ -10.00	240^{+81}_{-53}	$2.82^{+0.40}_{-0.55}$	14.9/17

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.120	0.192	0.256 ± 0.052	0.086 ± 0.022	1-3	$0.000 - 0.192$

KONUS-WIND GRB 180626
$T_0 = 06442.786$ s UT (01:47:22.786)
S2

data and folded model
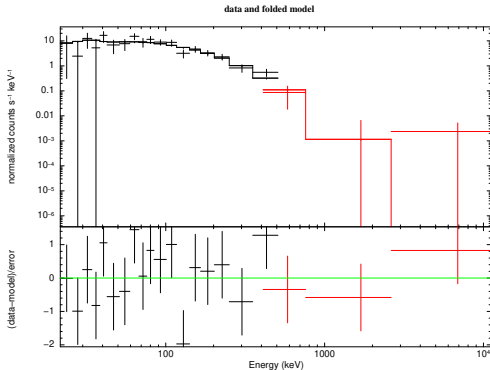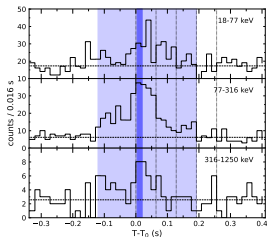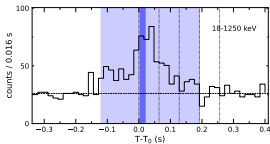
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	~ -9.95	...	...	$0.67^{+999999.33}_{-0.66}$	82.5/98
CPL	$\sim +14.99$	...	~ 2211	$0.32^{+0.33}_{-0.32}$	82.1/97
GRBM	~ -1.96	~ -1.06	~ 9675	$0.27^{+0.57}_{-0.29}$	82.2/96

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.040	0.336	0.350 ± 0.022	0.296 ± 0.021	1-5	$0.000 - 8.448$

KONUS-WIND GRB 180626
T_0 = 33832.424 s UT (09:23:52.424)
S2

data and folded model
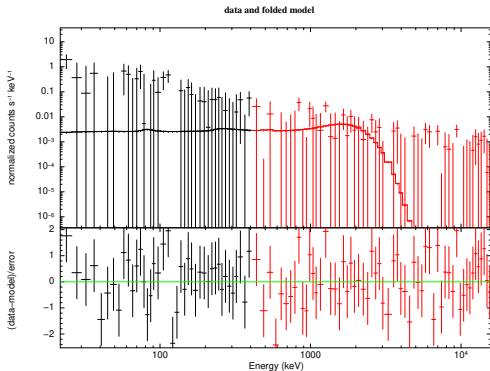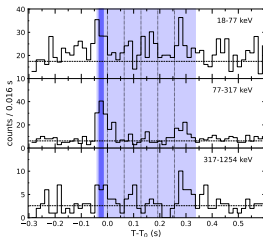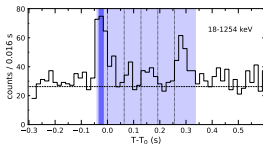
andromeda 13-Dec-2022 16:59

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.86^{+0.04}_{-0.04}$	...	...	$2.08^{+0.19}_{-0.17}$	257.0/99
CPL	$-0.88^{+0.18}_{-0.17}$	...	135^{+13}_{-11}	$0.85^{+0.06}_{-0.05}$	113.0/98
GRBM	$-0.87^{+0.18}_{-0.17}$	~ -4.54	135^{+12}_{-10}	$0.86^{+0.09}_{-0.05}$	112.9/97

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.234	1.744	1.418 ± 0.073	0.288 ± 0.030	1-5	$0.000 - 8.448$

KONUS-WIND GRB 180703
T_0 = 82008.633 s UT (22:46:48.633)
S1

data and folded model
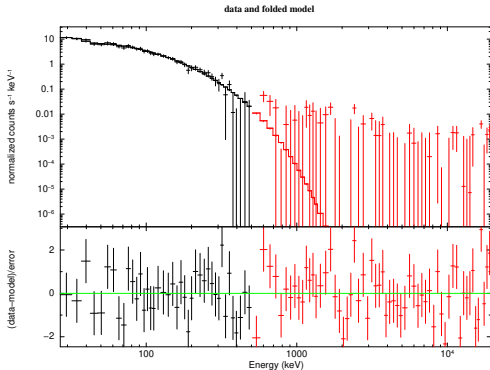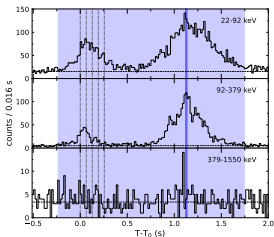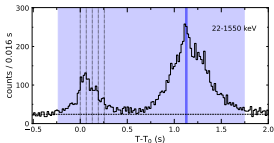
andromeda 13-Dec-2022 16:59

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-2.07^{+0.07}_{-0.07}$	...	...	$8.17^{+0.97}_{-0.88}$	78.1/27
CPL	$-0.63^{+0.45}_{-0.40}$	...	95^{+11}_{-9}	$4.33^{+0.44}_{-0.40}$	15.9/26
GRBM	$-0.35^{+0.67}_{-0.49}$	$-3.10^{+0.42}_{-1.05}$	89^{+11}_{-11}	$4.77^{+0.71}_{-0.57}$	11.8/25

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.234	1.744	1.418 ± 0.073	0.288 ± 0.030	1-4	$0.000 - 0.256$

KONUS-WIND GRB 180703
T0 = 82008.633 s UT (22:46:48.633)
S1

data and folded model
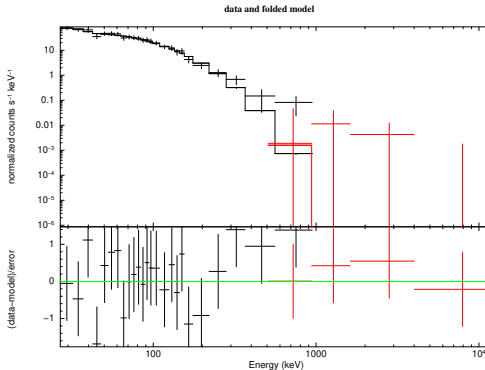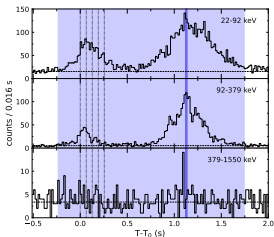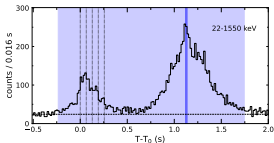
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.40^{+0.08}_{-0.09}$	...	...	$12.02^{+3.06}_{-2.86}$	60.3/20
CPL	$+0.25^{+0.85}_{-0.60}$	...	402^{+109}_{-64}	$4.17^{+0.82}_{-0.71}$	15.0/19
GRBM	$+0.25^{+0.88}_{-0.59}$	~ -3.74	398^{+109}_{-75}	$4.47^{+2.60}_{-0.97}$	14.9/18

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.234	0.160	0.352 ± 0.027	0.102 ± 0.021	1-3	$0.000 - 0.192$

KONUS-WIND GRB 180728
T_0 = 76197.290 s UT (21:09:57.290)
S2

data and folded model
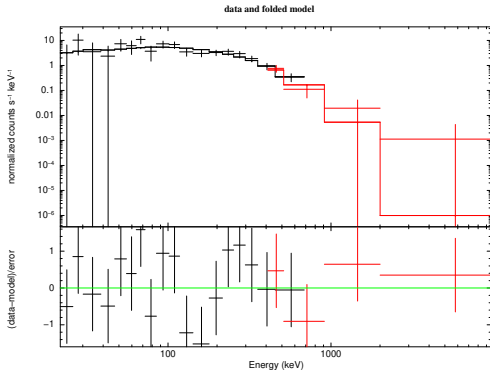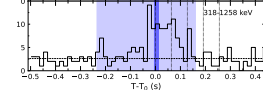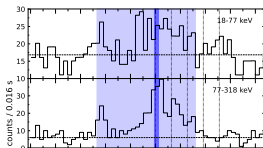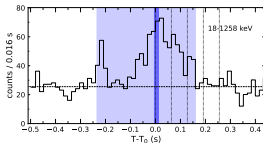
andromeda 13–Dec–2022 16:59

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.72^{+0.04}_{-0.04}$	...	...	$3.55^{+0.33}_{-0.31}$	233.1/98
CPL	$-0.95^{+0.18}_{-0.17}$	...	256^{+45}_{-33}	$1.45^{+0.14}_{-0.12}$	108.1/97
GRBM	$-0.86^{+0.24}_{-0.21}$	~ -2.87	234^{+55}_{-39}	$1.61^{+0.32}_{-0.26}$	107.0/96

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.074	1.376	0.740 ± 0.306	0.262 ± 0.014	1-5	$0.000 - 8.448$

KONUS-WIND GRB 181121
T0 = 74619.153 s UT (20:43:39.153)
S1

GRB20181121_T74619
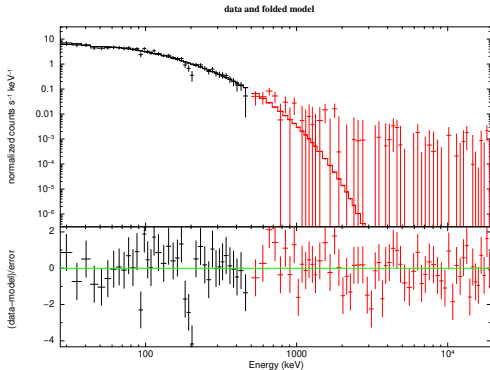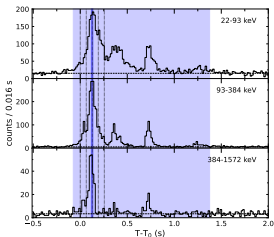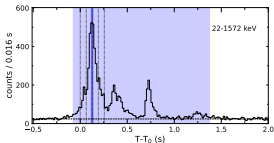
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.76^{+0.03}_{-0.03}$	...	...	$48.39^{+3.29}_{-3.24}$	465.8/46
CPL	$-0.68^{+0.13}_{-0.12}$	...	329^{+28}_{-25}	$32.45^{+1.80}_{-1.77}$	65.8/45
GRBM	$-0.46^{+0.22}_{-0.20}$	$-2.84^{+0.25}_{-0.61}$	273^{+44}_{-35}	$35.95^{+2.90}_{-2.78}$	60.3/44

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.074	1.376	0.740 ± 0.306	0.262 ± 0.014	1-4	$0.000 - 0.256$

KONUS-WIND GRB 181121
$T_0 = 74619.153$ s UT (20:43:39.153)
S1

data and folded model

andromeda 13–Dec–2022 16:59

GRB20181123_T19981
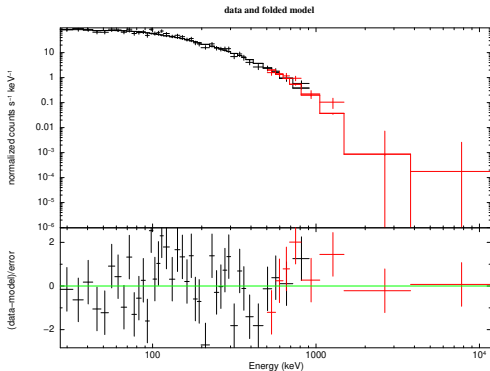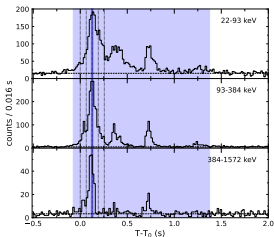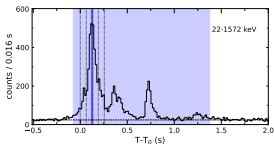
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.19^{+0.23}_{-0.22}$	...	...	$15.25^{+9.63}_{-6.84}$	21.8/11
CPL	$-0.58^{+2.57}_{-0.69}$	...	~ 867	$4.02^{+10.87}_{-1.93}$	19.6/10
GRBM	~ -0.12	~ -1.81	510^{+922}_{-510}	$7.10^{+17.21}_{-4.41}$	19.2/9

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.142	0.144	0.254 ± 0.028	0.136 ± 0.030	1-2	$0.000 - 0.128$

KONUS-WIND GRB 181123
T_0 = 19981.096 s UT (05:33:01.096)
S2

data and folded model
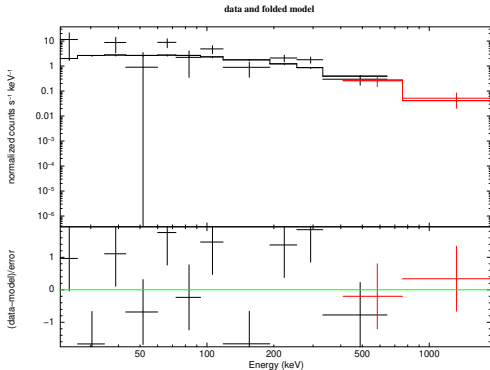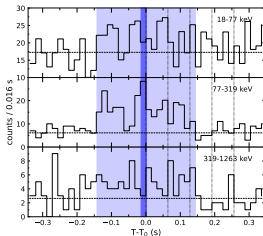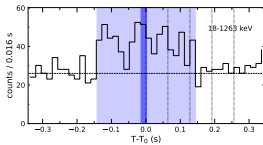
andromeda 13–Dec–2022 17:00

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.57^{+0.02}_{-0.02}$	...	...	$8.53^{+0.43}_{-0.42}$	742.4/99
CPL	$-0.78^{+0.07}_{-0.07}$	...	398^{+29}_{-26}	$3.93^{+0.18}_{-0.17}$	84.4/98
GRBM	$-0.77^{+0.08}_{-0.07}$	~ -3.47	392^{+31}_{-34}	$4.16^{+0.48}_{-0.34}$	83.2/97

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.018	2.128	0.340 ± 0.046	0.078 ± 0.003	1-6	$0.000 - 8.704$

KONUS-WIND GRB 181222
$T_0 = 72694.563$ s UT (20:11:34.563)
S2

data and folded model
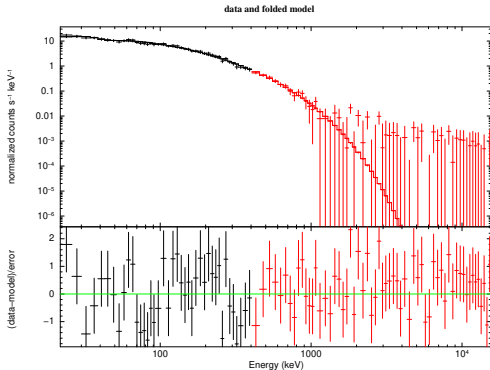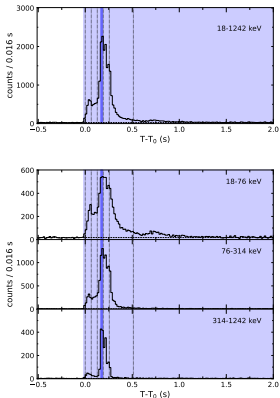
andromeda 13–Dec–2022 17:00

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.67^{+0.01}_{-0.01}$	...	...	$77.50^{+3.27}_{-3.28}$	1534.8/58
CPL	$-0.61^{+0.06}_{-0.06}$	...	409^{+21}_{-20}	$63.41^{+2.19}_{-2.18}$	76.4/57
GRBM	$-0.52^{+0.08}_{-0.08}$	$-2.96^{+0.20}_{-0.30}$	365^{+27}_{-26}	$70.23^{+3.40}_{-3.33}$	52.9/56

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.018	2.128	0.340 ± 0.046	0.078 ± 0.003	1-5	$0.000 - 0.512$

KONUS-WIND GRB 181222
T0 = 72694.563 s UT (20:11:34.563)
S2

data and folded model

andromeda 13–Dec–2022 17:00

GRB20190206_T13763

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.31^{+0.03}_{-0.03}$	...	...	$262.08^{+22.41}_{-22.30}$	310.6/37
CPL	$-0.58^{+0.11}_{-0.10}$	...	1642^{+251}_{-227}	$239.35^{+25.71}_{-24.93}$	35.2/36
GRBM	$-0.54^{+0.16}_{-0.12}$	~ -3.09	1500^{+350}_{-323}	$244.59^{+26.08}_{-26.25}$	34.4/35

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.010	0.068	0.040 ± 0.005	0.012 ± 0.003	1	$0.000 - 0.064$

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.83^{+0.14}_{-0.16}$	...	...	$0.71^{+0.25}_{-0.19}$	113.6/98
CPL	$-0.49^{+1.11}_{-0.80}$	...	170^{+80}_{-37}	$0.27^{+0.09}_{-0.06}$	102.2/97
GRBM	$-0.43^{+1.14}_{-0.85}$	~ -3.14	165^{+85}_{-41}	$0.31^{+0.20}_{-0.09}$	102.0/96

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.452	1.168	1.276 ± 0.206	0.580 ± 0.065	1-5	$0.000 - 8.448$

KONUS-WIND GRB 190407
T_0 = 68086.137 s UT (18:54:46.137)
S2

GRB20190427_T16454

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.80^{+0.27}_{-0.35}$	...	...	$1.25^{+1.22}_{-0.69}$	12.8/18
CPL	$-0.60^{+2.13}_{-1.36}$	...	~ 115	$0.44^{+1.03}_{-0.17}$	10.9/17
GRBM	$-0.70^{+0.70}_{-1.25}$	~ -3.33	119^{+1849}_{-119}	$0.50^{+0.88}_{-0.21}$	10.8/16

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.016	0.240	0.238 ± 0.030	0.024 ± 0.139	1-4	$0.000 - 0.256$

KONUS-WIND GRB 190427
$T_0 = 16454.918$ s UT (04:34:14.918)
S2

data and folded model

andromeda 13–Dec–2022 17:00

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.38^{+0.13}_{-0.14}$	...	...	$8.83^{+3.18}_{-2.91}$	43.9/22
CPL	$+1.02^{+1.57}_{-0.99}$	...	624^{+177}_{-115}	$4.34^{+1.06}_{-0.96}$	12.6/21
GRBM	$+1.00^{+1.60}_{-0.97}$	~ -10.00	624^{+177}_{-115}	$4.34^{+0.80}_{-0.96}$	12.6/20

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.220	0.342	0.498 ± 0.039	0.246 ± 0.054	1-4	$0.000 - 0.256$

KONUS-WIND GRB 190510
T_0 = 37156.266 s UT (10:19:16.266)
S1

data and folded model

andromeda 13–Dec–2022 17:00

GRB20190606_T06903

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.45^{+0.03}_{-0.03}$	...	...	$61.67^{+5.56}_{-5.49}$	128.6/46
CPL	$-1.20^{+0.10}_{-0.08}$	...	2411^{+1341}_{-888}	$50.08^{+10.25}_{-10.13}$	74.1/45
GRBM	$-0.82^{+0.24}_{-0.19}$	$-1.82^{+0.12}_{-0.17}$	626^{+322}_{-203}	$50.84^{+6.51}_{-6.60}$	62.4/44

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.058	0.186	0.170 ± 0.016	0.060 ± 0.007	1-3	$0.000 - 0.192$

KONUS-WIND GRB 190606
T_0 = 06903.800 s UT (01:55:03.800)

data and folded model
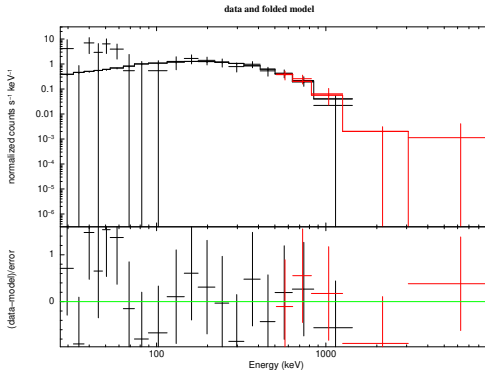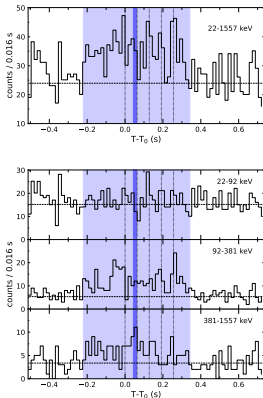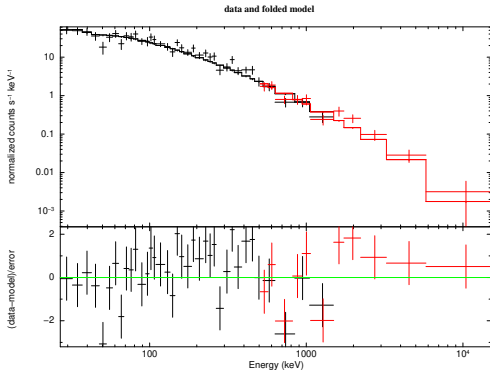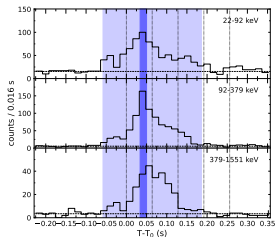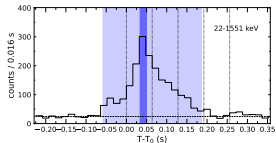
andromeda 13–Dec–2022 17:00

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	$\chi^2/$dof
PL	$-1.34^{+0.04}_{-0.05}$	...	...	$27.79^{+3.61}_{-3.54}$	156.8/38
CPL	$-0.39^{+0.26}_{-0.22}$	...	967^{+243}_{-172}	$15.71^{+2.54}_{-2.15}$	50.4/37
GRBM	$-0.35^{+0.41}_{-0.23}$	~ -2.93	925^{+257}_{-283}	$17.74^{+4.90}_{-3.60}$	49.6/36

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.100	0.576	0.570 ± 0.055	0.274 ± 0.026	1-4	$0.000 - 0.256$

KONUS-WIND GRB 190610
T_0 = 41263.560 s UT (11:27:43.560)
S1

data and folded model

andromeda 13–Dec–2022 17:00

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.32^{+0.10}_{-0.11}$	...	...	$7.72^{+2.45}_{-2.23}$	34.0/23
CPL	$-0.61^{+0.64}_{-0.47}$	...	664^{+1126}_{-232}	$2.51^{+1.94}_{-0.74}$	23.7/22
GRBM	$-0.58^{+0.69}_{-0.45}$	$-1.51^{+0.15}_{-0.20}$	61^{+156}_{-14}	$6.07^{+2.49}_{-2.19}$	21.8/21

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.380	3.216	3.360 ± 0.709	0.520 ± 0.153	1-4	$0.000 - 0.256$

KONUS-WIND GRB 190704
T_0 = 22355.497 s UT (06:12:35.497)
S2

data and folded model

andromeda 13–Dec–2022 17:00

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.59^{+0.17}_{-0.20}$	...	...	$5.14^{+2.62}_{-2.01}$	20.3/18
CPL	$-1.53^{+0.30}_{-0.24}$	...	~ 4391	$4.44^{+1.53}_{-2.56}$	20.1/17
GRBM	~ -0.10	$-1.78^{+0.31}_{-0.67}$	111^{+543}_{-111}	$3.82^{+2.97}_{-2.14}$	18.8/16

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.294	0.172	0.414 ± 0.037	0.240 ± 0.050	1-3	$0.000 - 0.192$

KONUS-WIND GRB 190706
T0 = 61390.044 s UT (17:03:10.044)
S2

data and folded model

andromeda 13–Dec–2022 17:00

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.50^{+0.15}_{-0.16}$	...	...	$6.81^{+3.37}_{-2.74}$	37.3/11
CPL	$+0.63^{+1.39}_{-0.89}$	...	375^{+121}_{-85}	$3.15^{+0.93}_{-0.87}$	10.5/10
GRBM	$+0.62^{+1.40}_{-0.88}$	~ -10.00	375^{+120}_{-71}	$3.15^{+0.65}_{-0.87}$	10.5/9

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.098	0.088	0.176 ± 0.010	0.078 ± 0.019	1-2	$0.000 - 0.128$

KONUS-WIND GRB 190810
T_0 = 58318.421 s UT (16:11:58.421)
S1

andromeda 13–Dec–2022 17:00

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.49^{+0.13}_{-0.14}$	...	...	$7.40^{+2.72}_{-2.42}$	44.4/21
CPL	$+0.34^{+1.24}_{-0.83}$	...	383^{+156}_{-95}	$2.77^{+0.81}_{-0.71}$	23.8/20
GRBM	$\sim +4.66$	~ -2.16	187^{+310}_{-61}	$4.31^{+2.42}_{-2.09}$	22.8/19

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.096	0.308	0.326 ± 0.075	0.122 ± 0.034	1-4	$0.000 - 0.256$

KONUS-WIND GRB 190814
T_0 = 05346.510 s UT (01:29:06.510)
S1

data and folded model

andromeda 13–Dec–2022 17:00

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.48^{+0.18}_{-0.21}$	...	...	$9.56^{+5.85}_{-4.44}$	11.8/6
CPL	$-0.05^{+3.36}_{-1.09}$	...	245^{+501}_{-107}	$2.40^{+2.14}_{-0.99}$	4.7/5
GRBM	$\sim +2.72$	~ -2.21	135^{+228}_{-52}	$3.98^{+4.74}_{-2.24}$	2.5/4

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.110	0.044	0.118 ± 0.021	0.054 ± 0.014	1	$0.000 - 0.064$

KONUS-WIND GRB 190903
$T_0 = 62377.366$ s UT (17:19:37.366)
S1

data and folded model
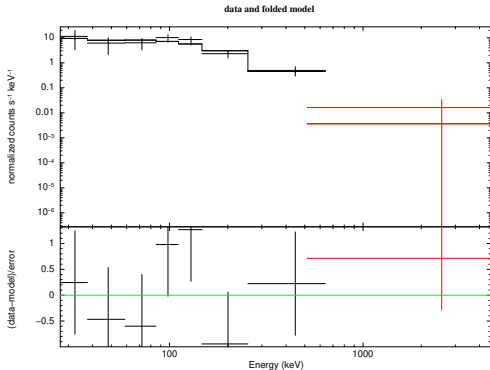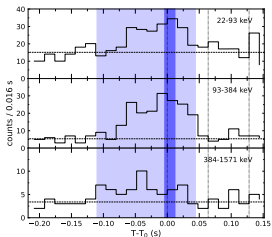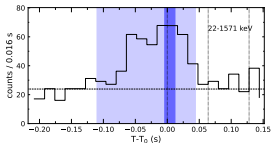
andromeda 13–Dec–2022 17:00

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.31^{+0.08}_{-0.08}$	...	...	$43.48^{+9.54}_{-9.19}$	36.1/12
CPL	$-0.45^{+0.70}_{-0.38}$	...	1041^{+788}_{-395}	$22.87^{+10.00}_{-6.59}$	8.1/11
GRBM	$-0.15^{+0.97}_{-0.58}$	~ -2.26	744^{+765}_{-272}	$28.52^{+11.09}_{-10.40}$	6.6/10

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.030	0.056	0.074 ± 0.007	0.046 ± 0.007	1	$0.000 - 0.064$

KONUS-WIND GRB 190906
T_0 = 03893.205 s UT (01:04:53.205)
S2

data and folded model
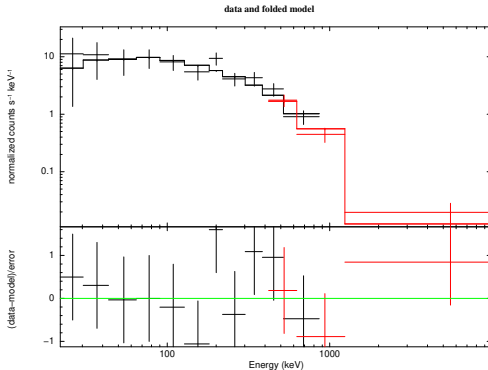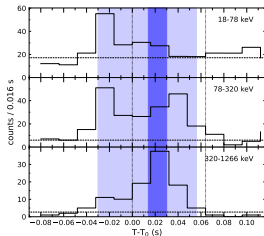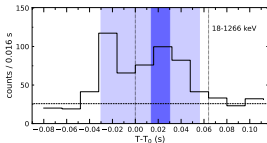
andromeda 13–Dec–2022 17:00

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.34^{+0.03}_{-0.04}$	...	...	$41.61^{+4.52}_{-4.46}$	125.7/37
CPL	$-0.90^{+0.13}_{-0.10}$	...	2072^{+850}_{-594}	$33.94^{+7.74}_{-6.84}$	29.0/36
GRBM	$-0.86^{+0.21}_{-0.14}$	~ -2.57	1760^{+1140}_{-743}	$34.09^{+7.43}_{-6.66}$	28.9/35

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.040	0.176	0.130 ± 0.029	0.058 ± 0.006	1-3	$0.000 - 0.192$

KONUS-WIND GRB 191025
$T_0 = 67331.034$ s UT (18:42:11.034)
S2

data and folded model
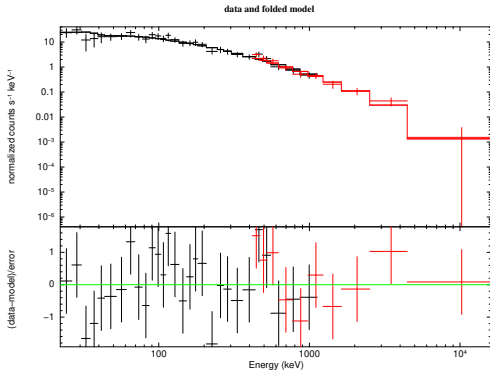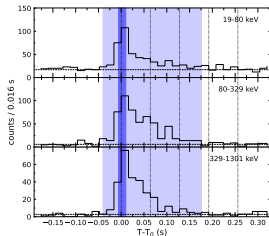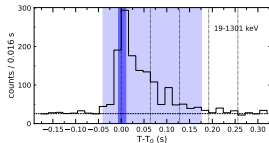
andromeda 13–Dec–2022 17:00

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.38^{+0.03}_{-0.03}$	...	...	$24.94^{+2.74}_{-2.75}$	449.0/46
CPL	$-0.08^{+0.21}_{-0.18}$	...	699^{+94}_{-75}	$18.43^{+1.79}_{-1.63}$	41.6/45
GRBM	$-0.05^{+0.24}_{-0.21}$	~ -10.00	699^{+94}_{-75}	$18.44^{+1.04}_{-1.63}$	41.6/44

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.036	0.254	0.234 ± 0.050	0.106 ± 0.008	1-4	$0.000 - 0.256$

KONUS-WIND GRB 191031
T_0 = 77011.324 s UT (21:23:31.324)
S2

data and folded model
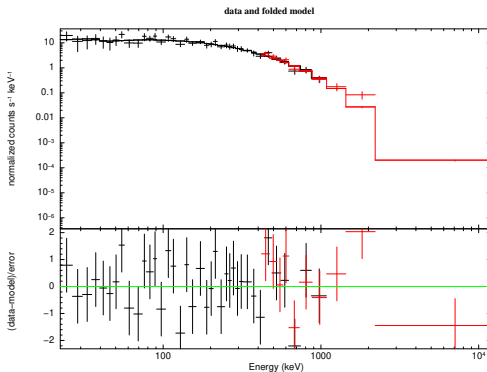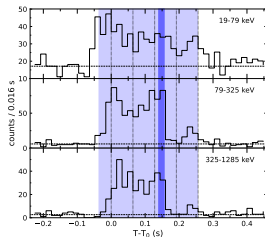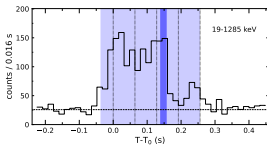
andromeda 13–Dec–2022 17:00

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.45^{+0.10}_{-0.11}$	...	...	$16.65^{+4.83}_{-4.42}$	38.0/14
CPL	$-0.24^{+0.95}_{-0.56}$	...	677^{+383}_{-184}	$8.13^{+2.69}_{-1.88}$	12.2/13
GRBM	$-0.25^{+0.98}_{-0.55}$	~ -10.00	677^{+383}_{-113}	$8.14^{+1.23}_{-1.88}$	12.2/12

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.080	0.124	0.164 ± 0.029	0.058 ± 0.012	1-2	$0.000 - 0.128$

KONUS-WIND GRB 191119
$T_0 = 38469.935$ s UT (10:41:09.935)
S2

data and folded model
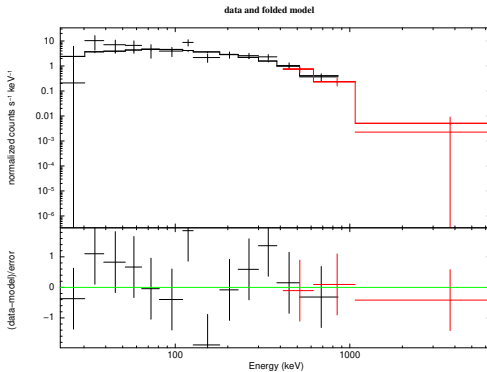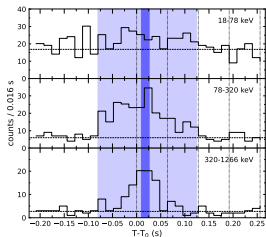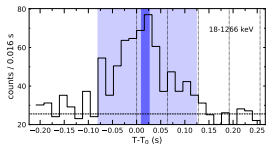
andromeda 13–Dec–2022 17:00

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.39^{+0.04}_{-0.04}$	...	...	$54.88^{+5.67}_{-5.61}$	145.5/38
CPL	$-0.69^{+0.17}_{-0.15}$	...	1243^{+335}_{-237}	$36.16^{+5.73}_{-4.83}$	38.6/37
GRBM	$-0.64^{+0.22}_{-0.17}$	$-2.46^{+0.42}_{-2.08}$	1106^{+349}_{-290}	$42.10^{+7.27}_{-7.43}$	35.5/36

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.014	0.188	0.158 ± 0.028	0.070 ± 0.008	1-3	$0.000 - 0.192$

KONUS-WIND GRB 191227
$T_0 = 62500.487$ s UT (17:21:40.487)
S1

data and folded model
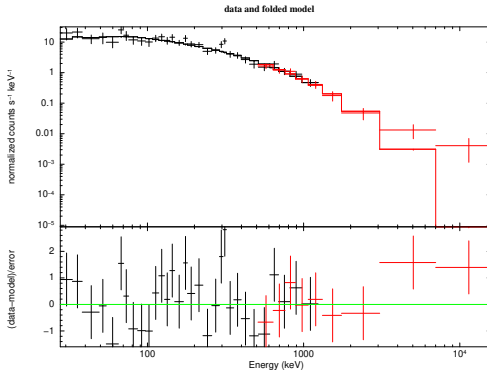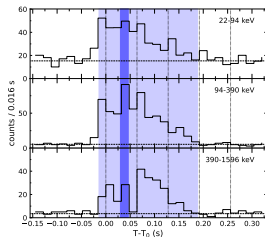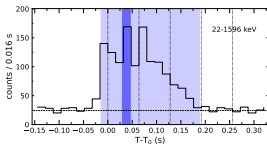
andromeda 13–Dec–2022 17:00

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.26^{+0.05}_{-0.05}$	...	...	$21.98^{+3.43}_{-3.35}$	146.4/33
CPL	$-0.09^{+0.32}_{-0.26}$	...	987^{+203}_{-154}	$12.26^{+1.95}_{-1.73}$	31.7/32
GRBM	$-0.10^{+0.34}_{-0.24}$	~ -10.00	987^{+202}_{-155}	$12.26^{+3.13}_{-1.73}$	31.7/31

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.162	0.250	0.350 ± 0.018	0.192 ± 0.012	1-4	$0.000 - 0.256$

KONUS-WIND GRB 200219
T_0 = 27405.513 s UT (07:36:45.513)
S1

data and folded model
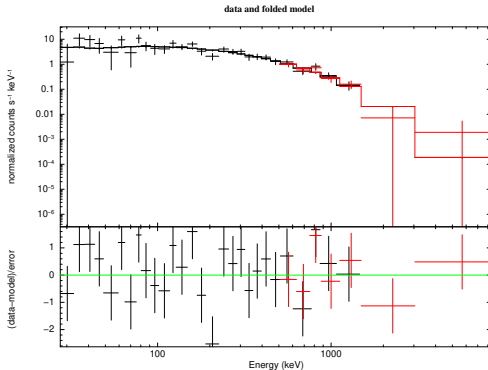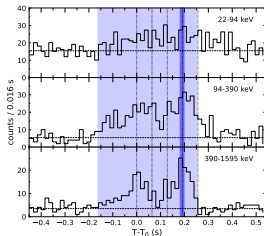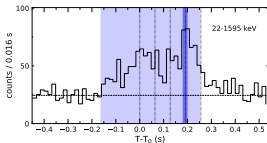
andromeda 13–Dec–2022 17:00

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.03^{+1.03}_{-0.49}$	...	...	$12.72^{+31.67}_{-9.57}$	9.7/4
CPL	$-0.98^{+1.61}_{-0.53}$	...	~ 9646	$9.62^{+29.52}_{-9.69}$	9.8/3
GRBM	$\sim +15.00$	$-1.54^{+0.78}_{-1.22}$	55^{+1187}_{-55}	$4.64^{+13.51}_{-4.04}$	7.5/2

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.508	0.048	0.526 ± 0.039	0.322 ± 0.065	1	$0.000 - 0.064$

KONUS-WIND GRB 200221
$T_0 = 13983.511$ s UT (03:53:03.511)

data and folded model
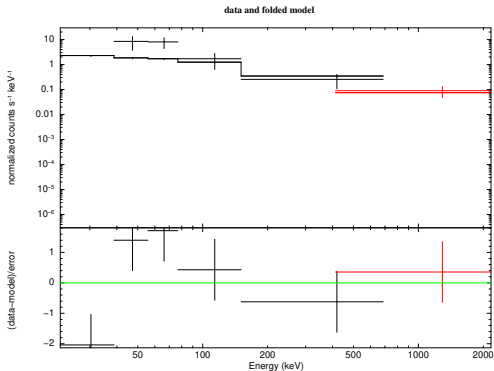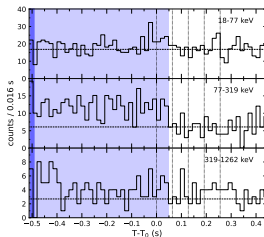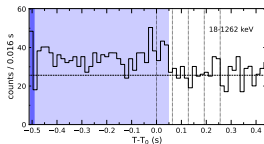
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.22^{+0.09}_{-0.10}$	...	...	$11.59^{+3.10}_{-2.99}$	37.1/24
CPL	$-0.89^{+1.01}_{-0.24}$	...	~ 3200	$8.99^{+5.73}_{-8.96}$	28.4/23
GRBM	$\sim +14.65$	$-1.43^{+0.15}_{-0.72}$	121^{+274}_{-25}	$9.84^{+3.34}_{-3.16}$	23.6/22

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.146	0.864	0.924 ± 0.083	0.486 ± 0.065	1-4	$0.000 - 0.256$

KONUS-WIND GRB 200325
$T_0 = 11908.659$ s UT (03:18:28.659)
S1

data and folded model

andromeda 13–Dec–2022 17:00

GRB20200327_T75409
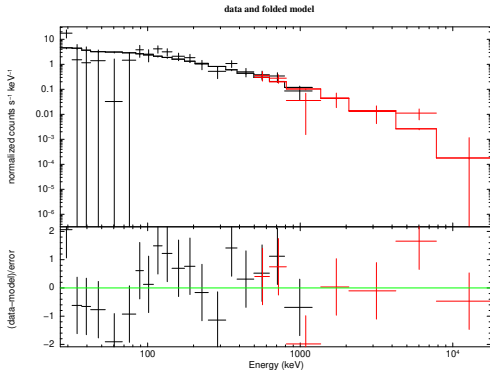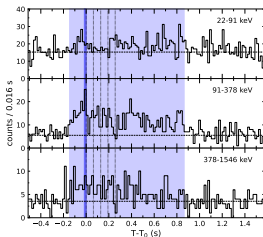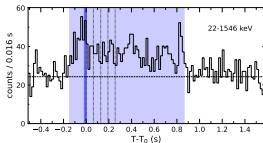
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.28^{+0.12}_{-0.12}$	...	...	$20.04^{+6.44}_{-5.68}$	22.3/14
CPL	$-0.42^{+0.72}_{-0.46}$	...	875^{+604}_{-276}	$7.65^{+3.07}_{-2.08}$	7.2/13
GRBM	$-0.43^{+0.74}_{-0.44}$	~ -9.37	875^{+571}_{-136}	$7.65^{+6.04}_{-1.98}$	7.2/12

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.108	0.086	0.174 ± 0.016	0.100 ± 0.029	1-2	$0.000 - 0.128$

KONUS-WIND GRB 200327
T_0 = 75409.744 s UT (20:56:49.744)
S2

data and folded model
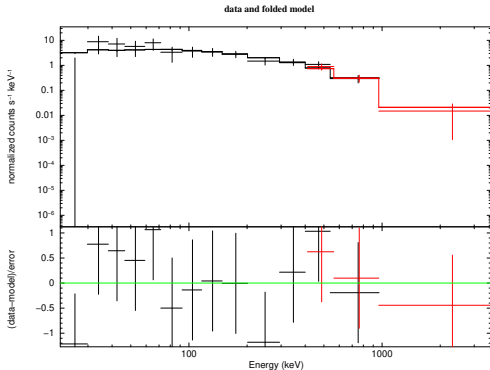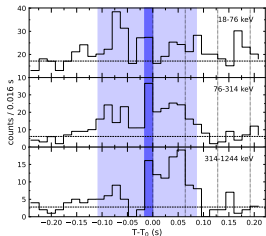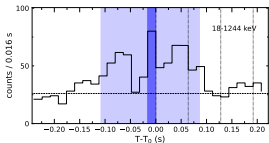
andromeda 13–Dec–2022 17:00

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.25^{+0.04}_{-0.04}$	...	...	$51.41^{+5.81}_{-5.71}$	297.3/37
CPL	$+0.05^{+0.24}_{-0.21}$	...	844^{+127}_{-100}	$30.40^{+3.31}_{-2.99}$	26.1/36
GRBM	$+0.24^{+0.34}_{-0.29}$	$-2.69^{+0.38}_{-1.30}$	731^{+152}_{-113}	$36.62^{+5.94}_{-5.95}$	22.1/35

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.004	0.134	0.100 ± 0.014	0.048 ± 0.005	1-3	$0.000 - 0.192$

KONUS-WIND GRB 200415
T_0 = 31681.401 s UT (08:48:01.401)
S1

data and folded model

andromeda 13–Dec–2022 17:00

GRB20200501_T37541
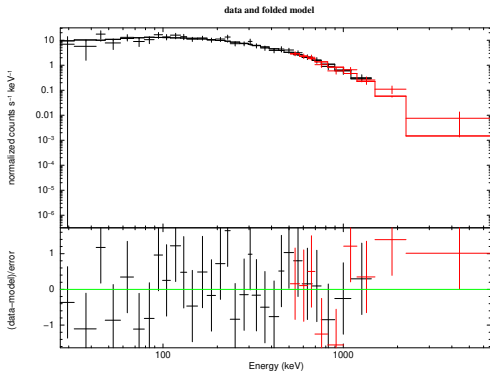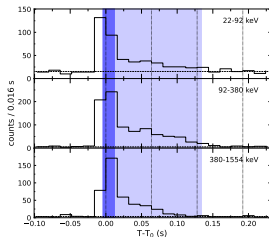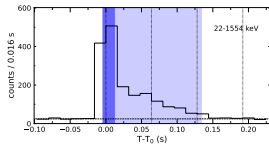
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.92^{+0.28}_{-0.35}$	...	...	$1.36^{+1.10}_{-0.64}$	20.4/18
CPL	$-0.74^{+1.61}_{-0.94}$	...	177^{+161}_{-77}	$0.72^{+0.35}_{-0.26}$	15.0/17
GRBM	$-0.75^{+1.59}_{-0.93}$	~ -10.00	177^{+161}_{-77}	$0.72^{+0.20}_{-0.26}$	15.0/16

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.282	0.224	0.464 ± 0.077	0.144 ± 0.045	1-4	$0.000 - 0.256$
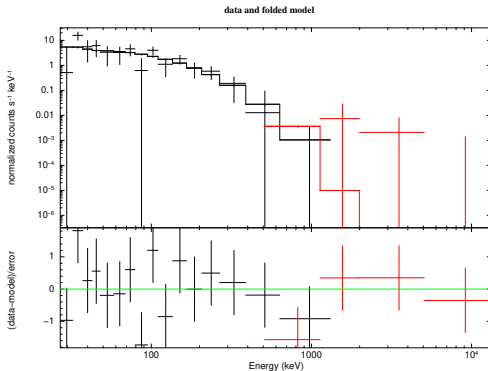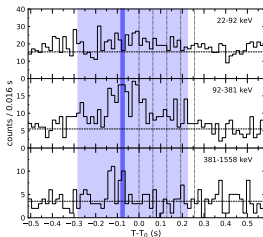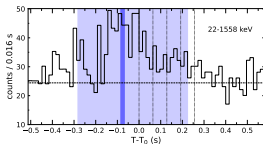
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.26^{+0.03}_{-0.03}$	...	...	$63.86^{+5.67}_{-5.61}$	304.7/51
CPL	$-0.28^{+0.17}_{-0.15}$	...	1377^{+199}_{-169}	$43.83^{+4.89}_{-4.53}$	40.1/50
GRBM	$-0.25^{+0.18}_{-0.15}$	~ -3.23	1329^{+208}_{-193}	$46.80^{+6.38}_{-6.12}$	38.7/49

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.072	0.212	0.228 ± 0.014	0.100 ± 0.010	1-4	$0.000 - 0.256$
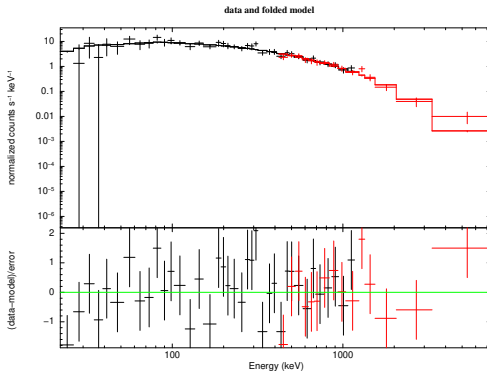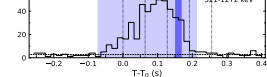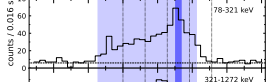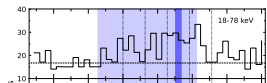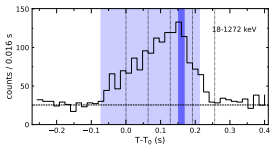
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.47^{+0.05}_{-0.05}$	...	...	$20.04^{+2.95}_{-2.83}$	83.1/34
CPL	$-0.83^{+0.22}_{-0.19}$	...	729^{+248}_{-152}	$9.88^{+1.77}_{-1.42}$	29.1/33
GRBM	$-0.82^{+0.23}_{-0.19}$	~ -3.47	721^{+251}_{-171}	$10.37^{+3.67}_{-1.53}$	29.1/32

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.040	0.322	0.314 ± 0.026	0.208 ± 0.047	1-4	$0.000 - 0.256$
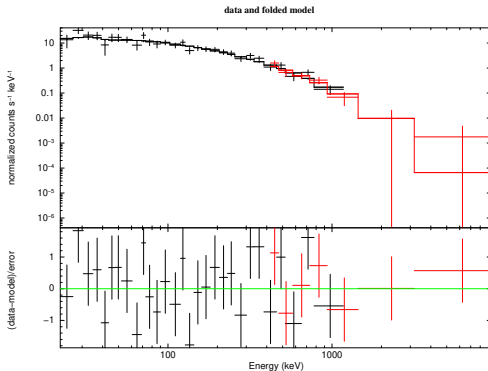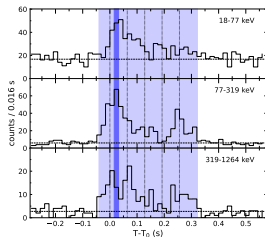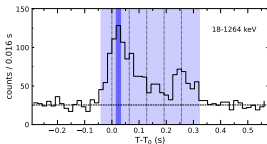
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	~ -1.32	...	...	~ 1.04	9.5/17
CPL	$\sim +14.94$	...	~ 562	$0.36^{+1.39}_{-0.36}$	8.8/16
GRBM	$\sim +15.00$	~ -9.37	~ 565	~ 0.35	8.8/15

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.118	0.304	0.414 ± 0.015	0.330 ± 0.189	1-4	$0.000 - 0.256$

KONUS-WIND GRB 200623
$T_0 = 64972.561$ s UT (18:02:52.561)
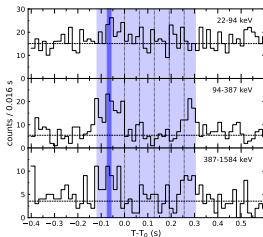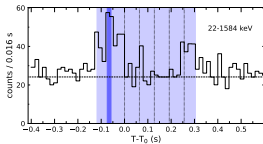
data and folded model
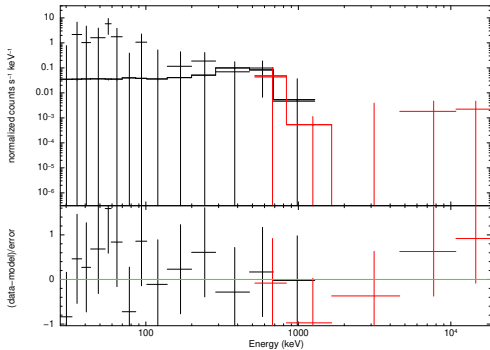
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.98^{+0.51}_{-1.01}$	...	...	$2.58^{+4.68}_{-1.53}$	4.8/4
CPL	~ -1.89	...	~ 319	$2.05^{+3.03}_{-2.05}$	4.7/3
GRBM	~ -1.83	~ -9.37	~ 436	$2.18^{+15.62}_{-1.50}$	4.7/2

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.044	0.000	0.038 ± 0.004	0.022 ± 0.008	1	$0.000 - 0.064$

KONUS-WIND GRB 200804
$T_0 = 63521.471$ s UT (17:38:41.471)
S1

data and folded model
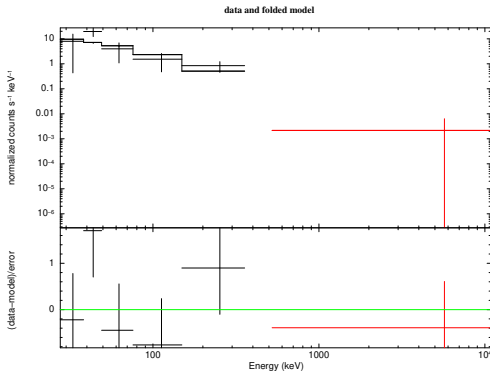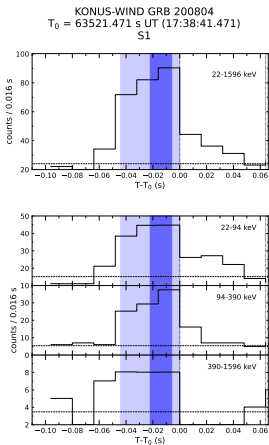
andromeda 13–Dec–2022 17:00

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.30^{+0.07}_{-0.10}$	...	...	$13.72^{+4.00}_{-3.45}$	107.0/16
CPL	$+0.44^{+0.71}_{-0.49}$	...	852^{+226}_{-151}	$10.69^{+2.45}_{-2.06}$	19.1/15
GRBM	$+0.40^{+0.74}_{-0.45}$	~ -10.00	856^{+222}_{-155}	$10.72^{+1.42}_{-2.10}$	19.1/14

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.104	0.094	0.178 ± 0.021	0.082 ± 0.014	1-2	$0.000 - 0.128$

KONUS-WIND GRB 200805
T_0 = 48670.022 s UT (13:31:10.022)
S1

data and folded model
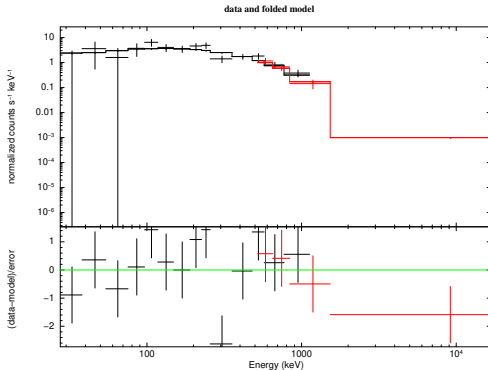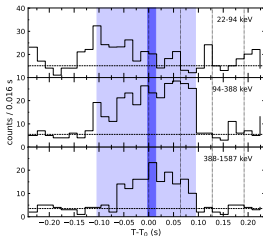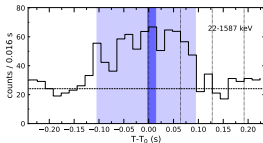
andromeda 13-Dec-2022 17:00

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.49^{+0.04}_{-0.05}$	...	...	$27.07^{+3.71}_{-3.59}$	157.5/31
CPL	$-0.40^{+0.23}_{-0.20}$	...	529^{+86}_{-69}	$14.59^{+1.67}_{-1.58}$	18.9/30
GRBM	$-0.40^{+0.25}_{-0.20}$	~ -8.78	528^{+86}_{-94}	$14.60^{+3.61}_{-1.08}$	18.9/29

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.028	0.198	0.134 ± 0.054	0.056 ± 0.009	1-3	$0.000 - 0.192$

KONUS-WIND GRB 200815
$T_0 = 75768.265$ s UT (21:02:48.265)
S1

data and folded model
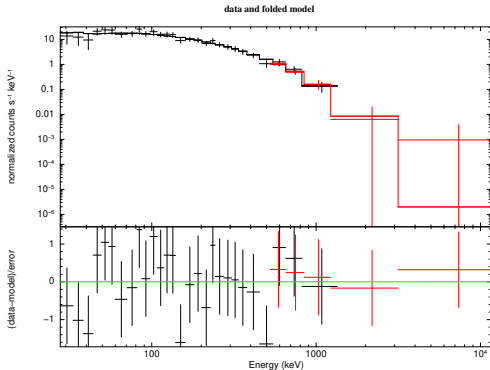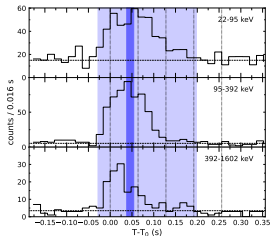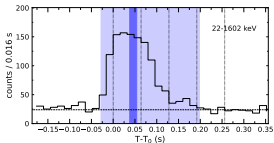
andromeda 13–Dec–2022 17:00

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.90^{+0.07}_{-0.08}$	...	...	$0.96^{+0.17}_{-0.14}$	132.5/99
CPL	$-0.92^{+0.39}_{-0.33}$	...	116^{+24}_{-17}	$0.40^{+0.05}_{-0.05}$	92.2/98
GRBM	$+1.02^{+3.99}_{-2.34}$	~ -2.36	68^{+52}_{-18}	$0.54^{+0.14}_{-0.10}$	90.2/97

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.102	0.864	0.674 ± 0.094	0.284 ± 0.038	1-5	$0.000 - 8.448$

KONUS-WIND GRB 200826
$T_0 = 16195.106$ s UT (04:29:55.106)
S2

data and folded model
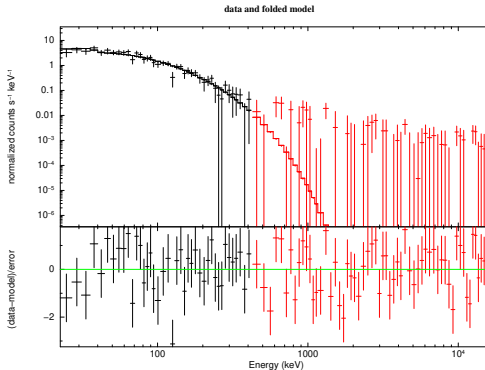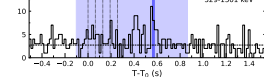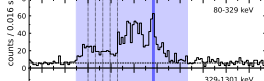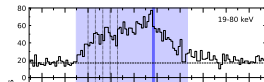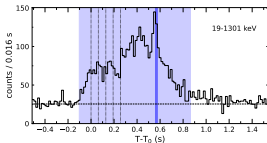
andromeda 13–Dec–2022 17:00

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.46^{+0.04}_{-0.05}$	...	...	$44.56^{+5.95}_{-5.80}$	121.8/26
CPL	$-0.55^{+0.23}_{-0.21}$	...	655^{+159}_{-111}	$23.56^{+3.34}_{-2.92}$	22.4/25
GRBM	$-0.40^{+0.84}_{-0.30}$	~ -2.45	533^{+218}_{-233}	$29.42^{+8.21}_{-7.33}$	20.4/24

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.014	0.122	0.120 ± 0.008	0.062 ± 0.016	1-2	$0.000 - 0.128$

KONUS-WIND GRB 200907
T_0 = 51859.501 s UT (14:24:19.501)
S1

data and folded model
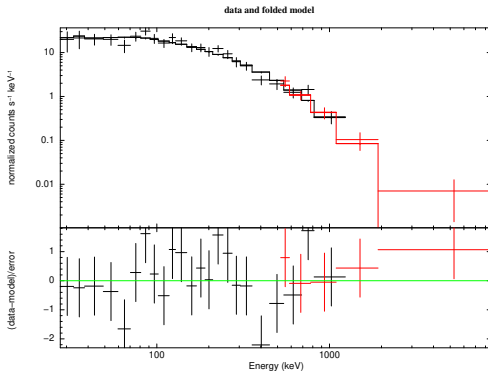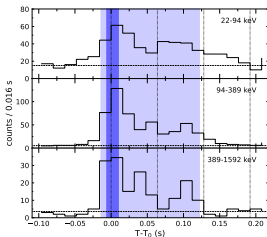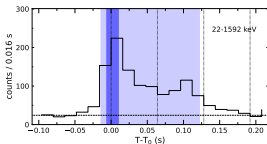
andromeda 13–Dec–2022 17:00

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.42^{+0.38}_{-0.46}$	...	...	$9.14^{+13.44}_{-6.37}$	1.3/4
CPL	$-1.42^{+0.74}_{-0.46}$	...	~ 9901	$7.64^{+4.03}_{-7.69}$	1.4/3
GRBM	$\sim +14.99$	$-1.45^{+0.41}_{-0.84}$	37^{+1555}_{-37}	$8.45^{+13.91}_{-6.85}$	1.2/2

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-2.652	0.022	2.650 ± 1.793	2.606 ± 1.794	1	$0.000 - 0.064$

KONUS-WIND GRB 200916
$T_0 = 56489.668$ s UT (15:41:29.668)
S1

data and folded model
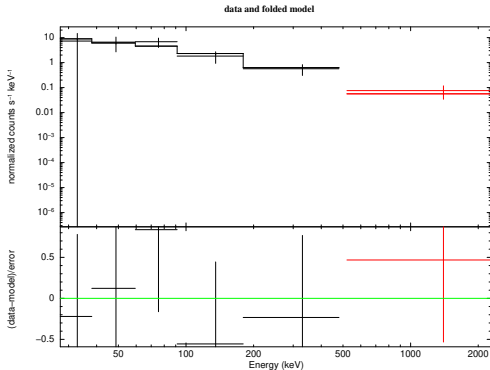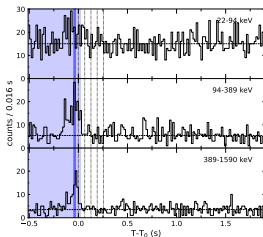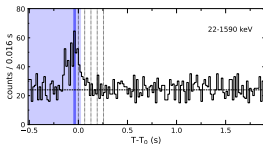
andromeda 13–Dec–2022 17:00

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.71^{+0.12}_{-0.13}$	...	...	$7.51^{+2.41}_{-2.00}$	25.9/20
CPL	$-1.09^{+0.58}_{-0.43}$	...	286^{+295}_{-96}	$3.22^{+1.20}_{-0.77}$	19.2/19
GRBM	$-0.99^{+0.79}_{-0.50}$	~ -2.46	247^{+273}_{-123}	$4.02^{+2.82}_{-1.31}$	18.6/18

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.126	0.174	0.256 ± 0.033	0.108 ± 0.025	1-3	$0.000 - 0.192$

KONUS-WIND GRB 201109
T_0 = 09065.305 s UT (02:31:05.305)
S1

data and folded model
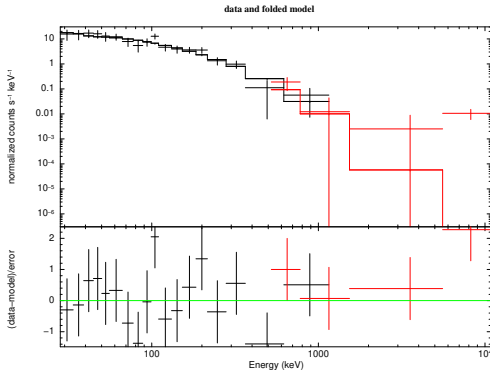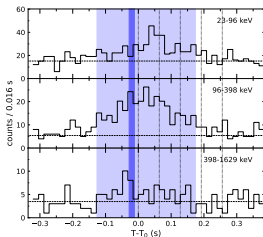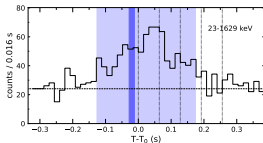
andromeda 13–Dec–2022 17:00

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.95^{+0.12}_{-0.14}$	...	...	$4.95^{+1.51}_{-1.24}$	42.3/14
CPL	$-0.69^{+0.66}_{-0.52}$	...	136^{+42}_{-28}	$2.70^{+0.56}_{-0.48}$	16.7/13
GRBM	$-0.70^{+0.68}_{-0.52}$	~ -10.00	136^{+42}_{-28}	$2.71^{+0.36}_{-0.48}$	16.7/12

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.036	0.082	0.104 ± 0.015	0.044 ± 0.014	1-2	$0.000 - 0.128$

KONUS-WIND GRB 201221
$T_0 = 83197.636$ s UT (23:06:37.636)
S2

data and folded model

GRB20201227_T54846
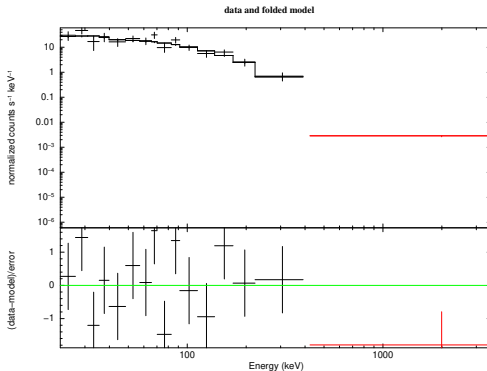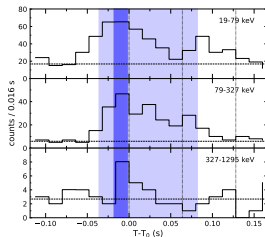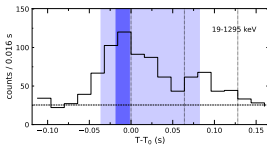
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.36^{+0.04}_{-0.04}$	...	...	$40.26^{+5.49}_{-5.37}$	200.5/28
CPL	$-0.37^{+0.19}_{-0.17}$	...	942^{+179}_{-142}	$29.72^{+4.01}_{-3.65}$	21.8/27
GRBM	$-0.37^{+0.22}_{-0.17}$	~ -10.00	942^{+179}_{-95}	$29.73^{+2.21}_{-3.64}$	21.8/26

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.012	0.090	0.054 ± 0.018	0.022 ± 0.004	1-2	$0.000 - 0.128$
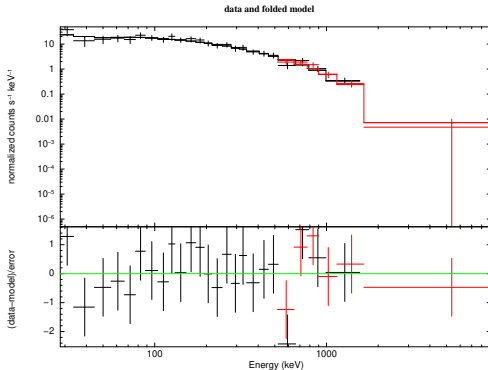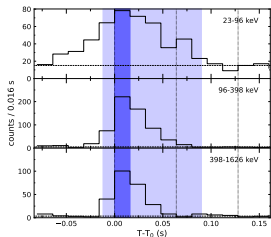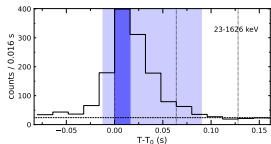
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.49^{+0.07}_{-0.08}$	...	...	$15.27^{+3.22}_{-3.01}$	47.2/24
CPL	$-1.04^{+0.23}_{-0.19}$	...	1104^{+713}_{-374}	$9.21^{+2.92}_{-2.17}$	23.2/23
GRBM	$-1.07^{+0.23}_{-0.17}$	~ -10.00	1117^{+700}_{-387}	$9.28^{+2.87}_{-2.22}$	23.2/22

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.020	0.168	0.132 ± 0.060	0.028 ± 0.005	1-3	$0.000 - 0.192$

KONUS-WIND GRB 210124
T_0 = 48224.368 s UT (13:23:44.368)
S2

data and folded model
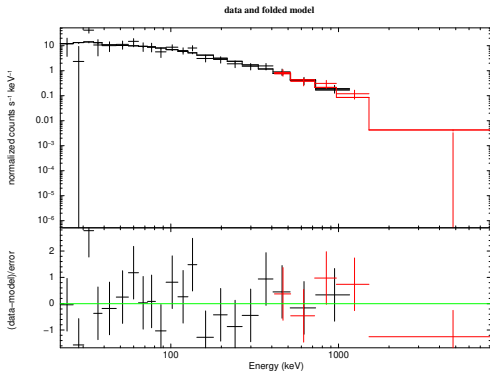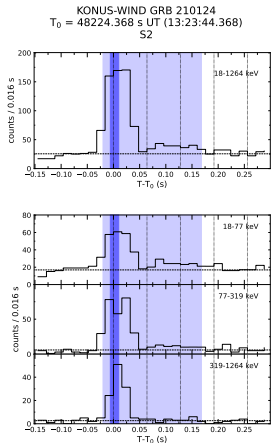
andromeda 13–Dec–2022 17:01

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.26^{+0.10}_{-0.12}$	...	...	$9.11^{+2.83}_{-2.76}$	61.2/21
CPL	$+1.01^{+1.41}_{-0.94}$	...	679^{+250}_{-135}	$4.06^{+1.20}_{-0.95}$	22.4/20
GRBM	$+0.98^{+1.41}_{-0.92}$	~ -3.94	681^{+244}_{-167}	$4.40^{+3.22}_{-1.26}$	22.2/19

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.486	0.960	1.258 ± 0.074	0.590 ± 0.070	1-4	$0.000 - 0.256$

KONUS-WIND GRB 210228
T_0 = 04971.101 s UT (01:22:51.101)
S1

data and folded model
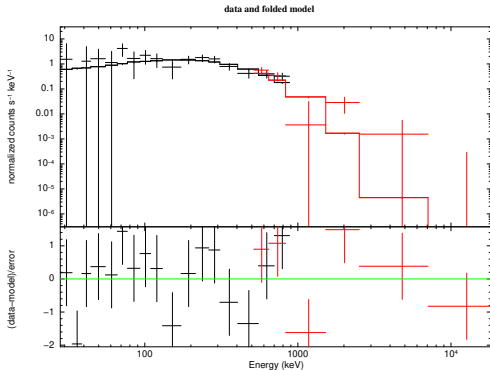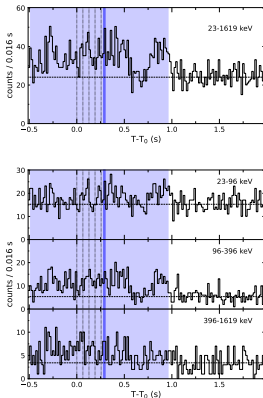
andromeda 13–Dec–2022 17:01

Model	α	β	E_{peak}	Flux, 10^{-6}	χ^2/dof
			keV	erg/(cm^{2}s)	
PL	~ -9.94	...	...	$536.15^{+999463.85}_{-534.49}$	20.8/4
CPL	$+0.65^{+14.31}_{-1.80}$	...	535^{+1417}_{-228}	$3.81^{+3.61}_{-1.99}$	7.4/3
GRBM	$\sim +0.55$	~ -9.37	545^{+1417}_{-387}	$3.81^{+7.26}_{-1.74}$	7.4/2

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.382	0.050	0.370 ± 0.037	0.186 ± 0.031	1	$0.000 - 0.064$

KONUS-WIND GRB 210307
T_0 = 21404.011 s UT (05:56:44.011)
S1

data and folded model

andromeda 13–Dec–2022 17:01

GRB20210323_T79334
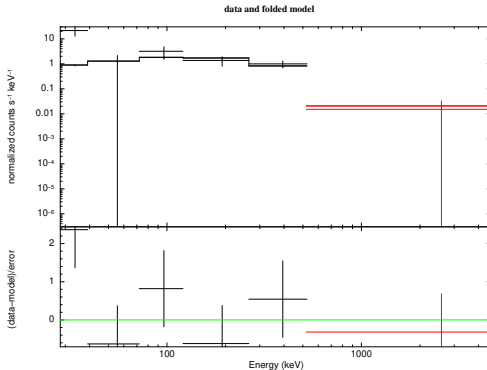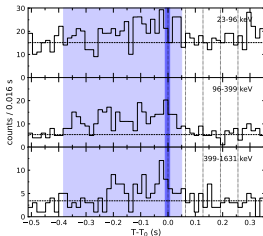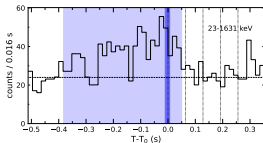
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.67^{+0.11}_{-0.13}$	...	...	$5.09^{+1.74}_{-1.47}$	36.0/23
CPL	$-1.15^{+0.49}_{-0.38}$	...	420^{+660}_{-147}	$2.46^{+1.13}_{-0.58}$	28.6/22
GRBM	$-1.16^{+0.50}_{-0.37}$	~ -9.37	422^{+645}_{-166}	$2.47^{+2.02}_{-0.56}$	28.6/21

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.122	0.230	0.290 ± 0.072	0.084 ± 0.025	1-4	$0.000 - 0.256$

KONUS-WIND GRB 210323
$T_0 = 79334.600$ s UT (22:02:14.600)
S2

data and folded model
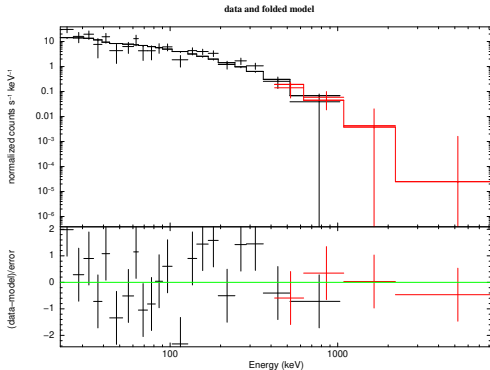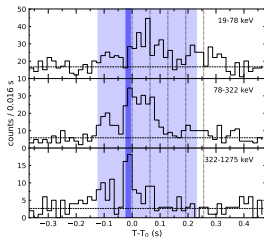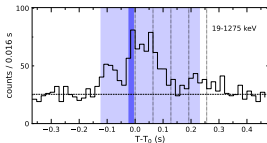
andromeda 13–Dec–2022 17:01

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.57^{+0.72}_{-1.73}$	...	...	$1.68^{+4.03}_{-1.67}$	3.0/3
CPL	$\sim +2.49$	...	134^{+1036}_{-65}	$0.38^{+2.46}_{-0.38}$	0.5/2
GRBM	$\sim +2.68$	~ -9.37	133^{+877}_{-133}	$0.36^{+3.80}_{-0.27}$	0.5/1

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.440	0.034	0.420 ± 0.035	0.238 ± 0.049	1	$0.000 - 0.064$

KONUS-WIND GRB 210405
T_0 = 43886.687 s UT (12:11:26.687)
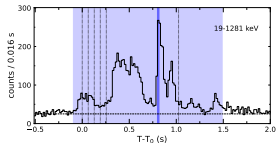S2
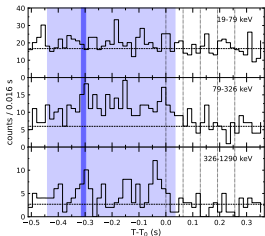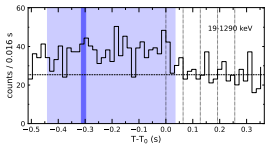
data and folded model
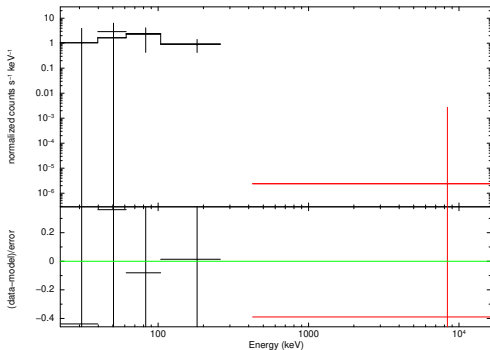
andromeda 13–Dec–2022 17:01

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.68^{+0.02}_{-0.02}$	...	...	$15.95^{+1.06}_{-1.03}$	548.6/57
CPL	$-0.58^{+0.13}_{-0.12}$	...	227^{+19}_{-17}	$6.80^{+0.37}_{-0.36}$	73.9/56
GRBM	$-0.39^{+0.20}_{-0.17}$	$-2.73^{+0.24}_{-0.43}$	196^{+23}_{-21}	$8.08^{+0.90}_{-0.80}$	62.7/55

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.094	1.488	1.086 ± 0.214	0.428 ± 0.018	1-5	$0.000 - 1.024$

KONUS-WIND GRB 210424
$T_0 = 28916.081$ s UT (08:01:56.081)
S2

data and folded model
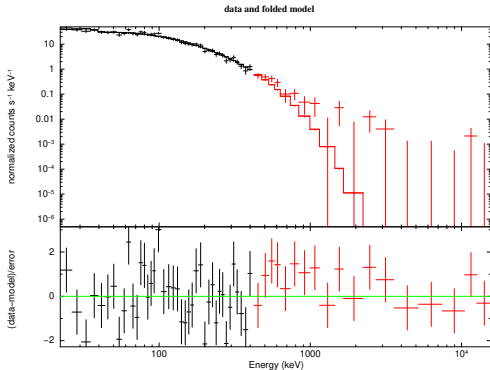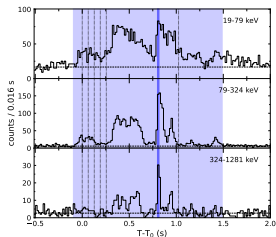
andromeda 13–Dec–2022 17:01

Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.25^{+0.05}_{-0.05}$	...	...	$24.30^{+3.69}_{-3.61}$	62.3/30
CPL	$-0.72^{+0.20}_{-0.17}$	...	2034^{+909}_{-547}	$16.70^{+4.39}_{-3.55}$	18.4/29
GRBM	$-0.72^{+0.20}_{-0.17}$	~ -2.96	1989^{+895}_{-569}	$17.44^{+4.58}_{-3.68}$	18.1/28

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.032	0.306	0.304 ± 0.028	0.160 ± 0.020	1-4	$0.000 - 0.256$

KONUS-WIND GRB 210605
$T_0 = 18539.058$ s UT (05:08:59.058)
S1

data and folded model

andromeda 13–Dec–2022 17:01

GRB20210624_T03500
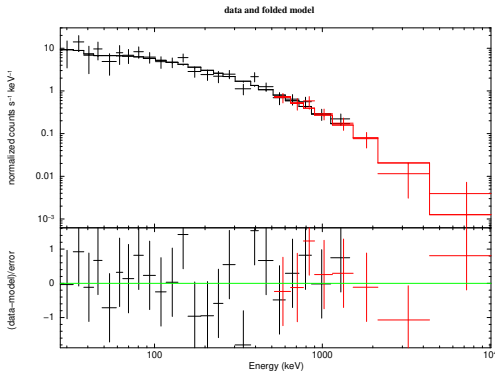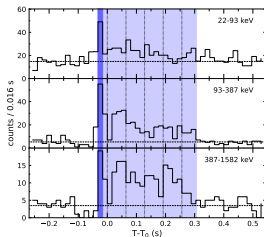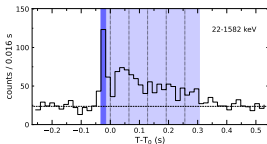
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.67^{+0.16}_{-0.19}$	...	...	$4.14^{+2.28}_{-1.71}$	10.9/12
CPL	$-0.94^{+1.64}_{-0.63}$	...	210^{+667}_{-107}	$1.47^{+1.24}_{-0.58}$	5.8/11
GRBM	$\sim +0.84$	~ -2.15	90^{+226}_{-49}	$2.22^{+2.09}_{-1.14}$	3.8/10

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.078	0.098	0.132 ± 0.036	0.044 ± 0.018	1-2	$0.000 - 0.128$
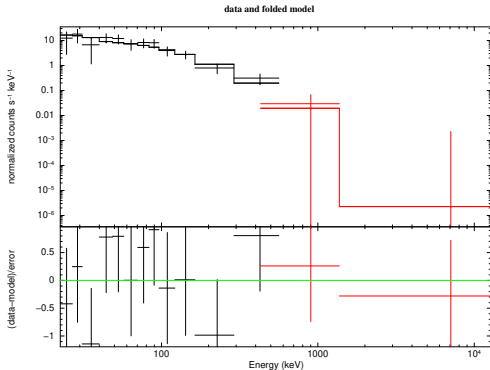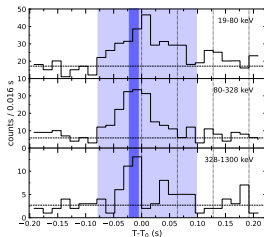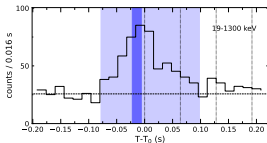
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.46^{+0.12}_{-0.14}$	...	...	$7.32^{+2.70}_{-2.38}$	49.1/22
CPL	$+0.23^{+1.47}_{-0.78}$	...	513^{+154}_{-94}	$3.21^{+0.78}_{-0.72}$	26.1/21
GRBM	$+0.18^{+1.49}_{-0.73}$	~ -10.00	515^{+152}_{-96}	$3.21^{+0.56}_{-0.72}$	26.1/20

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.078	1.040	0.978 ± 0.091	0.644 ± 0.098	1-4	$0.000 - 0.256$

KONUS-WIND GRB 210711
T_0 = 57982.380 s UT (16:06:22.380)
S1

data and folded model

andromeda 13–Dec–2022 17:01

GRB20210715_T74795
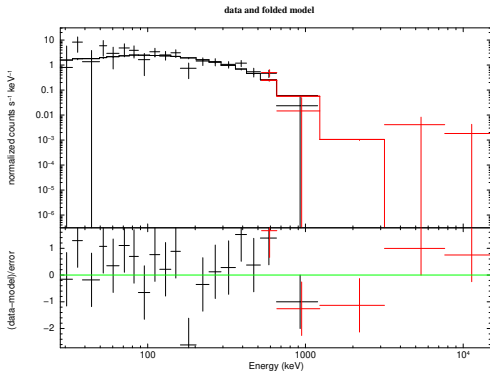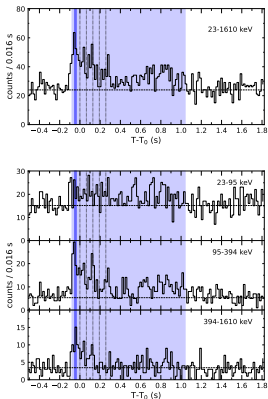
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.28^{+0.22}_{-0.23}$	...	...	$8.22^{+5.12}_{-4.07}$	9.0/10
CPL	$+0.19^{+2.45}_{-1.37}$	...	425^{+3930}_{-159}	$1.81^{+4.63}_{-0.74}$	5.5/9
GRBM	$\sim +14.98$	~ -1.65	117^{+1237}_{-38}	$5.11^{+5.02}_{-3.24}$	4.5/8

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.296	0.088	0.344 ± 0.025	0.184 ± 0.032	1-2	$0.000 - 0.128$

KONUS-WIND GRB 210715
T_0 = 74795.280 s UT (20:46:35.280)
S2

data and folded model

andromeda 13–Dec–2022 17:01

GRB20210727_T35447
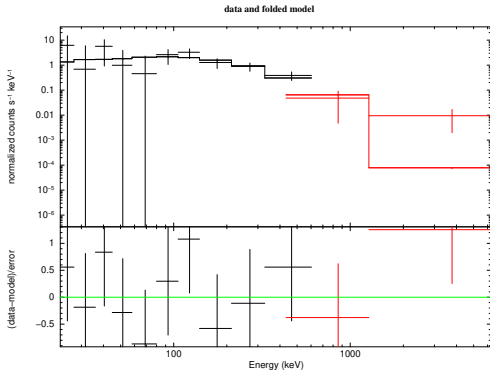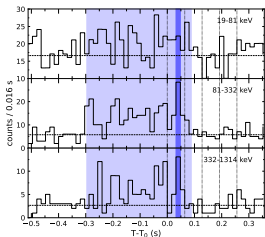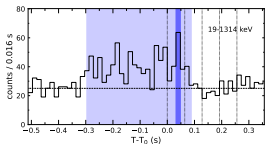
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.38^{+0.16}_{-0.25}$	...	...	$0.64^{+0.36}_{-0.33}$	85.9/99
CPL	$-0.70^{+0.88}_{-0.49}$	...	1857^{+3084}_{-1036}	$0.56^{+0.46}_{-0.30}$	77.7/98
GRBM	$-0.69^{+0.82}_{-0.50}$	~ -9.37	1916^{+3035}_{-679}	$0.59^{+0.44}_{-0.32}$	77.7/97

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.290	0.736	0.930 ± 0.073	0.552 ± 0.034	1-5	$0.000 - 8.448$
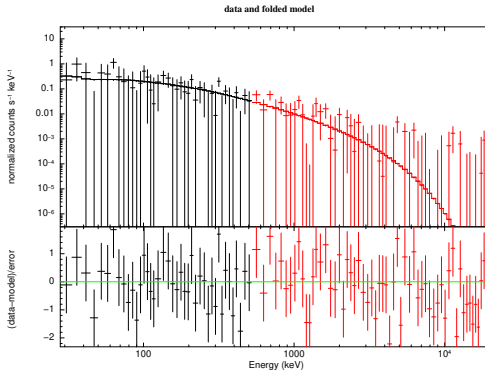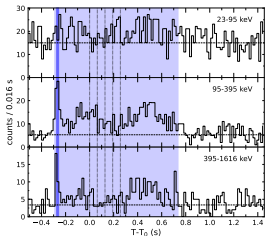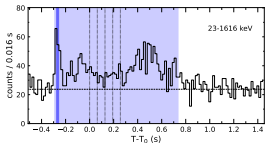
Model	α	β	E_{peak} keV	Flux, 10^{-6} erg/(cm^{2}s)	χ^2/dof
PL	$-1.39^{+0.10}_{-0.11}$	...	...	$7.07^{+2.28}_{-2.08}$	35.9/22
CPL	$-0.55^{+0.61}_{-0.45}$	...	684^{+651}_{-230}	$2.86^{+1.41}_{-0.81}$	19.2/21
GRBM	$-0.54^{+1.61}_{-0.46}$	~ -3.42	673^{+657}_{-538}	$3.04^{+2.76}_{-0.75}$	19.2/20

T_i (s)	T_f (s)	T_{90} (s)	T_{50} (s)	Spec.	Spec. int. (s)
-0.144	0.624	0.686 ± 0.072	0.364 ± 0.045	1-4	$0.000 - 0.256$

KONUS-WIND GRB 210813
$T_0 = 08110.486$ s UT (02:15:10.486)
S2

data and folded model

andromeda 13–Dec–2022 17:01