bn110731465 BXA Auto Runs GBM + LAT

Model	α	β	E_{peak} (keV)	A_1	kT (keV)	A_2	Γ	A_3	log($\mathcal{L}$) / BIC / $\mathcal{Z}$	Flux $\times 10^{-6}$ (erg s^{-1}cm^{-2})	Fluence $\times 10^{-5}$ (erg cm^{-2})	E_{iso} $\times 10^{53}$ (erg)
S+B	-1.419	-2.243	291.2	-1.453	52.6	1.103	...	...	-161.11/357.68/-188.67	4.083	3.056	5.696
	$^{+0.079}_{-0.083}$	$^{+0.012}_{-0.052}$	$^{+140.5}_{-34.3}$	$^{+0.042}_{-0.055}$	$^{+2.0}_{-4.4}$	$^{+0.047}_{-0.079}$	...	...		$^{+0.170}_{-0.043}$	$^{+0.127}_{-0.032}$	$^{+0.237}_{-0.060}$
S+B+L	-1.458	-2.284	379.7	-1.480	49.3	1.104	-0.348	-8.857	-160.35/367.99/-189.23	4.184	3.132	5.837
	$^{+0.103}_{-0.042}$	$^{+0.050}_{-0.012}$	$^{+49.0}_{-115.8}$	$^{+0.062}_{-0.029}$	$^{+4.7}_{-1.1}$	$^{+0.040}_{-0.071}$	$^{+0.160}_{-2.898}$	$^{+2.113}_{-4.740}$		$^{+0.063}_{-0.152}$	$^{+0.048}_{-0.114}$	$^{+0.089}_{-0.212}$
G+B	-1.377	-2.250	388.3	-1.404	51.1	1.116	...	...	-160.66/356.78/-189.67	4.125	3.088	5.754
	$^{+0.085}_{-0.090}$	$^{+0.029}_{-0.037}$	$^{+144.4}_{-87.1}$	$^{+0.067}_{-0.068}$	$^{+2.8}_{-2.2}$	$^{+0.050}_{-0.051}$	...	...		$^{+0.107}_{-0.119}$	$^{+0.080}_{-0.089}$	$^{+0.150}_{-0.166}$
S+L	-0.696	-3.258	223.1	-1.296	...	...	-1.936	-2.074	-165.09/365.64/-192.23	4.007	3.000	5.590
	$^{+0.176}_{-0.110}$	$^{+0.251}_{-0.414}$	$^{+8.9}_{-10.5}$	$^{+0.013}_{-0.015}$	...	...	$^{+0.028}_{-0.022}$	$^{+0.065}_{-0.077}$		$^{+0.102}_{-0.162}$	$^{+0.077}_{-0.121}$	$^{+0.143}_{-0.226}$
C+B+L	-1.141	...	385.9	-1.431	49.4	1.058	-1.879	-2.230	-162.87/367.11/-194.24	3.963	2.966	5.528
	$^{+0.000}_{-0.220}$	...	$^{+173.9}_{-10.5}$	$^{+0.017}_{-0.129}$	$^{+1.9}_{-2.3}$	$^{+0.095}_{-0.023}$	$^{+0.057}_{-0.029}$	$^{+0.082}_{-0.174}$		$^{+0.243}_{-0.064}$	$^{+0.182}_{-0.048}$	$^{+0.339}_{-0.090}$
C+L	-0.301	...	252.1	-1.017	...	...	-1.946	-2.027	-171.93/373.42/-198.43	3.766	2.819	5.254
	$^{+0.083}_{-0.215}$	...	$^{+13.5}_{-7.6}$	$^{+0.025}_{-0.041}$	...	...	$^{+0.030}_{-0.011}$	$^{+0.028}_{-0.088}$		$^{+0.074}_{-0.063}$	$^{+0.056}_{-0.047}$	$^{+0.104}_{-0.088}$
G+B+L	-1.197	-2.276	284.3	-1.255	53.3	0.974	-0.547	-8.011	-162.71/372.71/-199.30	4.166	3.118	5.811
	$^{+0.121}_{-0.013}$	$^{+0.014}_{-0.020}$	$^{+17.6}_{-34.9}$	$^{+0.077}_{-0.001}$	$^{+4.3}_{-2.5}$	$^{+0.011}_{-0.119}$	$^{+0.425}_{-1.876}$	$^{+0.792}_{-5.248}$		$^{+0.087}_{-0.045}$	$^{+0.065}_{-0.034}$	$^{+0.122}_{-0.063}$
G+L	-0.068	-2.891	224.8	-0.929	...	...	-1.965	-1.999	-168.53/372.53/-199.54	4.090	3.062	5.706
	$^{+0.062}_{-0.392}$	$^{+0.057}_{-4.756}$	$^{+33.9}_{-5.1}$	$^{+0.025}_{-0.113}$	...	...	$^{+0.039}_{-0.001}$	$^{+0.004}_{-0.097}$		$^{+0.053}_{-0.334}$	$^{+0.040}_{-0.250}$	$^{+0.074}_{-0.465}$
S	-1.071	-2.353	249.7	-1.235	...	...	...	...	-183.16/389.96/-204.90	4.485	3.357	6.257
	$^{+0.035}_{-0.027}$	$^{+0.016}_{-0.019}$	$^{+8.8}_{-10.7}$	$^{+0.007}_{-0.008}$	...	...	...	...		$^{+0.050}_{-0.085}$	$^{+0.037}_{-0.063}$	$^{+0.069}_{-0.118}$
G	-0.883	-2.338	255.8	-1.046	...	...	...	...	-186.34/396.32/-210.52	4.389	3.285	6.123
	$^{+0.032}_{-0.050}$	$^{+0.019}_{-0.016}$	$^{+14.2}_{-10.9}$	$^{+0.018}_{-0.025}$	...	...	...	...		$^{+0.071}_{-0.068}$	$^{+0.053}_{-0.051}$	$^{+0.099}_{-0.095}$
C+B	-1.554	...	4461.9	-1.562	45.3	1.150	...	...	-274.31/578.17/-299.95	4.900	3.668	6.836
	$^{+0.010}_{-0.020}$	...	$^{+62.4}_{-234.9}$	$^{+0.012}_{-0.014}$	$^{+2.2}_{-0.4}$	$^{+0.024}_{-0.017}$	...	...		$^{+0.075}_{-0.122}$	$^{+0.056}_{-0.091}$	$^{+0.104}_{-0.170}$
C	-0.926	...	289.4	-1.076	...	...	...	...	-399.30/816.34/-416.26	3.729	2.791	5.202
	$^{+0.034}_{-0.036}$	...	$^{+12.6}_{-10.9}$	$^{+0.016}_{-0.018}$	...	...	...	...		$^{+0.087}_{-0.079}$	$^{+0.065}_{-0.059}$	$^{+0.121}_{-0.110}$

TABLE 1. BXA Auto Runs fit results for bn110731465 using GBM + LAT data.

bn110731465 BXA Original Runs GBM + LAT

Model	α	β	E_{peak} (keV)	A_1	kT (keV)	A_2	Γ	A_3	$\log(\mathcal{L})$ / BIC / $\mathcal{Z}$	Flux $\times 10^{-6}$ (erg s^{-1}cm^{-2})	Fluence $\times 10^{-5}$ (erg cm^{-2})	E_{iso} $\times 10^{53}$ (erg)
S+B (v1)	-1.422 $^{+0.080}_{-0.076}$	-2.256 $^{+0.029}_{-0.038}$	333.6 $^{+97.8}_{-78.9}$	-1.461 $^{+0.047}_{-0.045}$	50.4 $^{+4.4}_{-2.2}$	1.087 $^{+0.061}_{-0.060}$	... ...	... ...	-161.11/357.69/-188.71	4.141 $^{+0.110}_{-0.112}$	3.099 $^{+0.082}_{-0.084}$	5.776 $^{+0.154}_{-0.156}$
S+B (v2)	-1.399 $^{+0.027}_{-0.112}$	-2.247 $^{+0.012}_{-0.052}$	296.3 $^{+162.6}_{-15.2}$	-1.445 $^{+0.017}_{-0.070}$	52.1 $^{+1.1}_{-4.3}$	1.088 $^{+0.061}_{-0.050}$	... ...	... ...	-161.04/357.54/-188.78	4.118 $^{+0.145}_{-0.069}$	3.082 $^{+0.109}_{-0.051}$	5.744 $^{+0.202}_{-0.096}$
S+B+L	-1.438 $^{+0.089}_{-0.063}$	-2.297 $^{+0.066}_{-0.003}$	384.7 $^{+47.4}_{-126.2}$	-1.467 $^{+0.050}_{-0.040}$	49.1 $^{+5.4}_{-0.9}$	1.080 $^{+0.068}_{-0.047}$	-0.416 $^{+0.168}_{-2.878}$	-8.174 $^{+1.791}_{-5.316}$	-160.34/367.96/-189.45	4.237 $^{+0.014}_{-0.202}$	3.171 $^{+0.010}_{-0.151}$	5.910 $^{+0.019}_{-0.281}$
G+B (v2)	-1.374 $^{+0.081}_{-0.102}$	-2.241 $^{+0.020}_{-0.049}$	377.9 $^{+178.2}_{-82.1}$	-1.402 $^{+0.064}_{-0.076}$	51.0 $^{+2.9}_{-2.3}$	1.117 $^{+0.051}_{-0.050}$	... ...	... ...	-160.76/356.99/-190.26	4.109 $^{+0.129}_{-0.110}$	3.076 $^{+0.096}_{-0.083}$	5.732 $^{+0.179}_{-0.154}$
G+B (v1)	-1.345 $^{+0.035}_{-0.131}$	-2.261 $^{+0.036}_{-0.030}$	374.4 $^{+181.6}_{-59.7}$	-1.379 $^{+0.027}_{-0.098}$	50.9 $^{+2.5}_{-2.2}$	1.079 $^{+0.088}_{-0.015}$	... ...	... ...	-160.75/356.97/-190.33	4.130 $^{+0.113}_{-0.114}$	3.091 $^{+0.085}_{-0.086}$	5.761 $^{+0.158}_{-0.160}$
S+L	-0.631 $^{+0.102}_{-0.172}$	-3.239 $^{+0.228}_{-0.409}$	218.9 $^{+12.4}_{-6.0}$	-1.294 $^{+0.011}_{-0.016}$	... ...	... ...	-1.940 $^{+0.032}_{-0.017}$	-2.060 $^{+0.048}_{-0.090}$	-165.02/365.50/-193.61	4.006 $^{+0.100}_{-0.160}$	2.999 $^{+0.075}_{-0.120}$	5.589 $^{+0.140}_{-0.223}$
C+B+L	-1.207 $^{+0.039}_{-0.197}$ ...	...	429.6 $^{+220.9}_{-10.1}$	-1.501 $^{+0.016}_{-0.099}$	48.6 $^{+2.1}_{-1.2}$	1.099 $^{+0.074}_{-0.007}$	-1.895 $^{+0.067}_{-0.009}$	-2.180 $^{+0.023}_{-0.208}$	-163.01/367.39/-195.22	4.003 $^{+0.262}_{-0.019}$	2.996 $^{+0.196}_{-0.014}$	5.584 $^{+0.366}_{-0.026}$
C+B+L	-1.097 $^{+0.078}_{-0.308}$ ...	...	377.7 $^{+256.1}_{-29.6}$	-1.443 $^{+0.009}_{-0.148}$	48.9 $^{+1.5}_{-1.5}$	1.062 $^{+0.104}_{-0.000}$	-1.904 $^{+0.079}_{-0.006}$	-2.157 $^{+0.009}_{-0.236}$	-162.78/366.94/-195.26	3.954 $^{+0.299}_{-0.009}$	2.960 $^{+0.224}_{-0.007}$	5.516 $^{+0.417}_{-0.012}$
G+B+L	-1.521 $^{+0.009}_{-0.079}$	-2.241 $^{+0.004}_{-0.068}$	550.1 $^{+382.8}_{-37.3}$	-1.516 $^{+0.013}_{-0.056}$	50.9 $^{+0.3}_{-2.0}$	1.205 $^{+0.030}_{-0.003}$	-0.180 $^{+0.172}_{-1.341}$	-9.884 $^{+2.699}_{-3.232}$	-162.57/372.42/-197.65	4.092 $^{+0.149}_{-0.040}$	3.063 $^{+0.112}_{-0.030}$	5.708 $^{+0.208}_{-0.055}$
C+L	-0.364 $^{+0.019}_{-0.210}$ ...	...	254.0 $^{+16.1}_{-2.5}$	-1.028 $^{+0.006}_{-0.042}$	... ...	... ...	-1.938 $^{+0.032}_{-0.006}$	-2.043 $^{+0.001}_{-0.104}$	-171.93/373.41/-199.05	3.766 $^{+0.084}_{-0.053}$	2.819 $^{+0.063}_{-0.040}$	5.254 $^{+0.118}_{-0.075}$
G+L	0.033 $^{+0.021}_{-0.444}$	-2.747 $^{+0.031}_{-3.602}$	219.9 $^{+34.8}_{-1.3}$	-0.905 $^{+0.008}_{-0.128}$	... ...	... ...	-1.981 $^{+0.048}_{-0.002}$	-1.986 $^{+0.010}_{-0.093}$	-168.50/372.46/-199.22	4.184 $^{+0.021}_{-0.395}$	3.132 $^{+0.016}_{-0.296}$	5.837 $^{+0.030}_{-0.552}$
S	-1.069 $^{+0.035}_{-0.030}$	-2.353 $^{+0.015}_{-0.020}$	247.1 $^{+11.8}_{-8.5}$	-1.234 $^{+0.006}_{-0.009}$	... ...	... ...	... ...	... ...	-183.16/389.96/-205.93	4.468 $^{+0.067}_{-0.069}$	3.344 $^{+0.050}_{-0.052}$	6.233 $^{+0.094}_{-0.096}$
G	-0.892 $^{+0.039}_{-0.044}$	-2.339 $^{+0.020}_{-0.017}$	256.0 $^{+15.1}_{-10.5}$	-1.050 $^{+0.020}_{-0.023}$	... ...	... ...	... ...	... ...	-186.35/396.35/-210.49	4.371 $^{+0.090}_{-0.050}$	3.271 $^{+0.067}_{-0.037}$	6.097 $^{+0.125}_{-0.070}$
C+B (v1)	-1.558 $^{+0.014}_{-0.015}$ ...	...	4422.1 $^{+103.6}_{-190.0}$	-1.561 $^{+0.011}_{-0.014}$	46.1 $^{+1.4}_{-1.3}$	1.147 $^{+0.026}_{-0.015}$	... ...	... ...	-274.16/577.88/-300.22	4.878 $^{+0.098}_{-0.098}$	3.651 $^{+0.073}_{-0.074}$	6.805 $^{+0.136}_{-0.137}$
C+B (v2)	-1.561 $^{+0.017}_{-0.011}$ ...	...	4386.3 $^{+137.5}_{-151.2}$	-1.561 $^{+0.012}_{-0.015}$	46.2 $^{+1.3}_{-1.4}$	1.150 $^{+0.025}_{-0.017}$	... ...	... ...	-274.14/577.84/-300.27	4.867 $^{+0.108}_{-0.087}$	3.643 $^{+0.081}_{-0.065}$	6.789 $^{+0.151}_{-0.121}$
C	-0.929 $^{+0.037}_{-0.036}$ ...	...	290.2 $^{+12.7}_{-11.4}$	-1.077 $^{+0.018}_{-0.017}$	... ...	... ...	... ...	... ...	-399.30/816.34/-416.30	3.734 $^{+0.091}_{-0.084}$	2.795 $^{+0.068}_{-0.063}$	5.209 $^{+0.128}_{-0.117}$

bn110731465 XSPEC/Error Command GBM + LAT

Model	α	β	E_{peak} (keV)	A_1	kT (keV)	A_2	Γ	A_3	C-Stat / log($\mathcal{L}$) / AIC / BIC	Flux $\times 10^{-6}$ (erg s^{-1}cm^{-2})	Fluence $\times 10^{-5}$ (erg cm^{-2})	E_{iso} $\times 10^{53}$ (erg)
G+B (v1)	1.075	-2.321	174.4	-0.454	7.6	0.686	...	...	306.85/-153.42/318.85/342.31	4.271	3.196	5.957
	$^{+0.604}_{-0.539}$	$^{+0.016}_{-0.017}$	$^{+93.8}_{-59.6}$	$^{+0.194}_{-0.172}$	$^{+0.6}_{-0.7}$	$^{+0.031}_{-0.080}$	...	...		$^{+0.063}_{-0.063}$	$^{+0.047}_{-0.047}$	$^{+0.088}_{-0.088}$
S+B (v1)	1.000	-2.340	195.8	-1.212	7.7	0.704	...	...	318.65/-159.32/330.65/354.11	4.343	3.251	6.058
	$^{+NA}_{-NA}$	$^{+0.013}_{-0.017}$	$^{+NA}_{-NA}$	$^{+0.010}_{-0.011}$	$^{+0.4}_{-0.2}$	$^{+0.023}_{-0.015}$	...	...		$^{+0.558}_{-0.558}$	$^{+0.418}_{-0.418}$	$^{+0.779}_{-0.779}$
G+B (v2)	-1.379	-2.253	390.6	-1.405	50.8	1.110	...	...	321.15/-160.58/333.15/356.62	4.114	3.079	5.739
	$^{+0.095}_{-0.083}$	$^{+0.032}_{-0.032}$	$^{+290.9}_{-167.4}$	$^{+0.073}_{-0.062}$	$^{+3.1}_{-2.3}$	$^{+0.049}_{-0.057}$	...	...		$^{+0.118}_{-0.118}$	$^{+0.088}_{-0.088}$	$^{+0.165}_{-0.165}$
S+B (v2)	-1.400	-2.254	300.3	-1.443	51.6	1.077	...	...	321.88/-160.94/333.88/357.35	4.117	3.081	5.743
	$^{+0.072}_{-0.082}$	$^{+0.034}_{-0.032}$	$^{+169.3}_{-93.3}$	$^{+0.040}_{-0.051}$	$^{+4.1}_{-3.3}$	$^{+0.055}_{-0.065}$	...	...		$^{+0.122}_{-0.122}$	$^{+0.091}_{-0.091}$	$^{+0.170}_{-0.170}$
S+L	-0.627	-3.212	219.1	-1.299	...	...	-1.942	-2.050	329.71/-164.86/341.71/365.18	4.009	3.000	5.592
	$^{+0.154}_{-0.136}$	$^{+0.257}_{-0.328}$	$^{+61.3}_{-46.8}$	$^{+0.014}_{-0.014}$	...	...	$^{+0.026}_{-0.021}$	$^{+0.055}_{-0.072}$		$^{+0.133}_{-0.133}$	$^{+0.100}_{-0.100}$	$^{+0.186}_{-0.186}$
C+B+L	-1.140	...	394.5	-1.447	48.9	1.059	-1.892	-2.192	325.26/-162.63/339.26/366.63	3.979	2.978	5.551
	$^{+0.184}_{-0.146}$	...	$^{+283.4}_{-155.1}$	$^{+0.035}_{-0.035}$	$^{+2.5}_{-2.5}$	$^{+0.063}_{-0.084}$	$^{+0.050}_{-0.037}$	$^{+0.109}_{-0.149}$		$^{+0.158}_{-0.158}$	$^{+0.118}_{-0.118}$	$^{+0.221}_{-0.221}$
G+B+L	-1.374	-2.342	416.3	-1.416	50.2	1.101	-1.726	-3.198	319.41/-159.70/335.41/366.70	4.126	3.088	5.756
	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$		$^{+0.906}_{-0.906}$	$^{+0.678}_{-0.678}$	$^{+1.263}_{-1.263}$
S+B+L	-1.402	-2.323	317.6	-1.447	50.4	1.062	-1.626	-3.622	320.15/-160.08/336.15/367.44	4.131	3.092	5.763
	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$		$^{+0.448}_{-0.448}$	$^{+0.335}_{-0.335}$	$^{+0.625}_{-0.625}$
C+B+L	-0.076	...	240.3	-0.936	7.2	0.298	-1.876	-2.237	326.49/-163.24/340.49/367.86	3.574	2.675	4.986
	$^{+0.106}_{-0.172}$	...	$^{+45.7}_{-47.4}$	$^{+0.033}_{-0.147}$	$^{+0.8}_{-0.7}$	$^{+0.096}_{-0.119}$	$^{+0.040}_{-0.032}$	$^{+0.092}_{-0.119}$		$^{+0.123}_{-0.123}$	$^{+0.092}_{-0.092}$	$^{+0.171}_{-0.171}$
G+L	-0.065	-2.792	224.7	-0.932	...	...	-1.969	-1.998	336.68/-168.34/348.68/372.15	4.154	3.109	5.794
	$^{+0.241}_{-0.188}$	$^{+0.189}_{-0.287}$	$^{+67.9}_{-53.7}$	$^{+0.072}_{-0.051}$	...	...	$^{+0.020}_{-0.024}$	$^{+0.042}_{-0.048}$		$^{+0.131}_{-0.131}$	$^{+0.098}_{-0.098}$	$^{+0.182}_{-0.182}$
C+L	-0.338	...	252.6	-1.021	...	...	-1.943	-2.037	343.75/-171.87/353.75/373.30	3.767	2.819	5.255
	$^{+0.151}_{-0.141}$	...	$^{+58.8}_{-47.3}$	$^{+0.025}_{-0.029}$	...	...	$^{+0.021}_{-0.018}$	$^{+0.046}_{-0.058}$		$^{+0.067}_{-0.067}$	$^{+0.050}_{-0.050}$	$^{+0.094}_{-0.094}$
S	-1.067	-2.353	248.3	-1.235	...	...	...	...	366.26/-183.13/374.26/389.90	4.469	3.345	6.234
	$^{+0.032}_{-0.031}$	$^{+0.017}_{-0.018}$	$^{+21.8}_{-19.7}$	$^{+0.008}_{-0.008}$	...	...	...	...		$^{+0.074}_{-0.074}$	$^{+0.055}_{-0.055}$	$^{+0.103}_{-0.103}$
G	-0.891	-2.335	256.5	-1.049	...	...	...	...	372.60/-186.30/380.60/396.25	4.389	3.285	6.122
	$^{+0.044}_{-0.039}$	$^{+0.018}_{-0.018}$	$^{+32.4}_{-28.8}$	$^{+0.022}_{-0.020}$	...	...	...	...		$^{+0.073}_{-0.073}$	$^{+0.055}_{-0.055}$	$^{+0.102}_{-0.102}$
C+B (v1)	-1.364	...	432.6	-1.396	50.3	1.084	...	...	760.37/-380.18/770.37/789.92	3.967	2.969	5.534
	$^{+0.076}_{-0.075}$	...	$^{+237.0}_{-138.9}$	$^{+0.051}_{-0.052}$	$^{+2.3}_{-2.1}$	$^{+0.054}_{-0.065}$	...	...		$^{+0.170}_{-0.170}$	$^{+0.127}_{-0.127}$	$^{+0.237}_{-0.237}$
C+B (v2)	-0.400	...	251.4	-0.959	6.2	0.382	...	...	764.81/-382.40/774.81/794.36	3.439	2.574	4.798
	$^{+0.128}_{-0.116}$	...	$^{+50.9}_{-41.7}$	$^{+0.027}_{-0.030}$	$^{+0.5}_{-0.5}$	$^{+0.073}_{-0.083}$	...	...		$^{+0.072}_{-0.072}$	$^{+0.054}_{-0.054}$	$^{+0.101}_{-0.101}$
C	-0.926	...	289.0	-1.076	...	...	...	...	798.60/-399.30/804.60/816.33	3.727	2.790	5.199
	$^{+0.036}_{-0.035}$	...	$^{+31.2}_{-27.7}$	$^{+0.014}_{-0.014}$	...	...	...	...		$^{+0.085}_{-0.085}$	$^{+0.064}_{-0.064}$	$^{+0.119}_{-0.119}$