bn090323002 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 $\times 10^{-4}$ (erg cm^{-2})	E_{iso} $\times 10^{54}$ (erg)
S+B	-1.226	-2.431	449.7	-1.993	5.8	-0.825	...	...	-335.63/708.25/-371.02	1.064	1.439	3.939
	$^{+0.006}_{-0.022}$	$^{+0.002}_{-0.044}$	$^{+31.2}_{-6.8}$	$^{+0.003}_{-0.004}$	$^{+0.6}_{-0.3}$	$^{+0.008}_{-0.105}$	...	...		$^{+0.022}_{-0.009}$	$^{+0.030}_{-0.012}$	$^{+0.083}_{-0.033}$
S	-1.305	-2.457	505.1	-1.991	...	...	...	...	-354.89/734.44/-377.24	1.087	1.470	4.024
	$^{+0.010}_{-0.009}$	$^{+0.017}_{-0.030}$	$^{+30.0}_{-23.0}$	$^{+0.003}_{-0.004}$	...	...	...	...		$^{+0.021}_{-0.017}$	$^{+0.029}_{-0.023}$	$^{+0.079}_{-0.064}$
S+L	-1.301	-2.515	494.1	-1.990	...	...	0.790	-14.651	-351.31/739.61/-377.73	1.078	1.457	3.988
	$^{+0.005}_{-0.013}$	$^{+0.070}_{-0.012}$	$^{+40.6}_{-13.1}$	$^{+0.003}_{-0.005}$	...	...	$^{+0.334}_{-4.047}$	$^{+6.717}_{-0.454}$		$^{+0.030}_{-0.010}$	$^{+0.041}_{-0.013}$	$^{+0.112}_{-0.036}$
S+B+L	-1.283	-2.462	497.1	-1.991	4.0	-1.314	-3.628	-13.076	-350.45/750.23/-377.77	1.094	1.479	4.048
	$^{+0.014}_{-0.032}$	$^{+0.020}_{-0.036}$	$^{+37.8}_{-15.6}$	$^{+0.003}_{-0.005}$	$^{+164.1}_{-32.8}$	$^{+1.295}_{-10.604}$	$^{+3.782}_{-0.410}$	$^{+5.214}_{-1.005}$		$^{+0.015}_{-0.026}$	$^{+0.020}_{-0.035}$	$^{+0.056}_{-0.096}$
G+B	-1.345	-2.473	786.1	-2.010	68.5	0.033	...	...	-351.01/739.01/-380.62	1.081	1.461	4.001
	$^{+0.031}_{-0.029}$	$^{+0.041}_{-0.049}$	$^{+194.1}_{-119.0}$	$^{+0.023}_{-0.023}$	$^{+10.9}_{-7.4}$	$^{+0.081}_{-0.106}$	...	...		$^{+0.045}_{-0.025}$	$^{+0.061}_{-0.034}$	$^{+0.167}_{-0.094}$
G+B+L	-1.317	-2.476	665.6	-1.991	74.7	0.038	0.623	-13.840	-348.58/746.48/-383.32	1.057	1.429	3.912
	$^{+0.029}_{-0.007}$	$^{+0.047}_{-0.017}$	$^{+115.8}_{-40.1}$	$^{+0.021}_{-0.005}$	$^{+12.6}_{-7.2}$	$^{+0.007}_{-0.210}$	$^{+1.002}_{-3.646}$	$^{+4.750}_{-0.103}$		$^{+0.053}_{-0.001}$	$^{+0.072}_{-0.001}$	$^{+0.197}_{-0.002}$
G	-1.250	-2.483	698.8	-1.943	...	...	...	...	-363.39/751.43/-387.53	1.125	1.521	4.164
	$^{+0.011}_{-0.015}$	$^{+0.018}_{-0.036}$	$^{+66.0}_{-40.4}$	$^{+0.006}_{-0.008}$	...	...	...	...		$^{+0.030}_{-0.019}$	$^{+0.041}_{-0.026}$	$^{+0.111}_{-0.072}$
G+L	-1.256	-2.548	725.7	-1.945	...	...	0.809	-14.728	-360.57/758.13/-388.04	1.138	1.538	4.211
	$^{+0.016}_{-0.008}$	$^{+0.082}_{-0.027}$	$^{+33.5}_{-66.4}$	$^{+0.008}_{-0.005}$	...	...	$^{+1.267}_{-4.098}$	$^{+7.363}_{-0.836}$		$^{+0.015}_{-0.032}$	$^{+0.020}_{-0.043}$	$^{+0.055}_{-0.117}$
C+B+L	-1.327	...	630.9	-1.993	80.7	0.121	0.573	-12.880	-378.99/801.14/-409.92	1.029	1.390	3.807
	$^{+0.041}_{-0.002}$	...	$^{+79.6}_{-94.9}$	$^{+0.030}_{-0.003}$	$^{+19.1}_{-6.7}$	$^{+0.065}_{-0.137}$	$^{+0.246}_{-0.107}$	$^{+0.588}_{-1.403}$		$^{+0.044}_{-0.027}$	$^{+0.060}_{-0.036}$	$^{+0.164}_{-0.098}$
C+L	-1.245	...	690.7	-1.940	...	...	0.660	-13.363	-393.27/817.36/-417.75	1.112	1.503	4.117
	$^{+0.010}_{-0.014}$	...	$^{+52.3}_{-42.3}$	$^{+0.006}_{-0.007}$	...	...	$^{+0.176}_{-0.169}$	$^{+0.953}_{-1.020}$		$^{+0.028}_{-0.027}$	$^{+0.038}_{-0.036}$	$^{+0.105}_{-0.099}$
C+B	-1.490	...	5091.9	-2.123	54.8	0.220	...	...	-403.02/836.87/-429.66	1.167	1.578	4.321
	$^{+0.010}_{-0.008}$	...	$^{+51.4}_{-138.3}$	$^{+0.009}_{-0.004}$	$^{+2.1}_{-2.3}$	$^{+0.022}_{-0.044}$	...	...		$^{+0.022}_{-0.013}$	$^{+0.030}_{-0.017}$	$^{+0.082}_{-0.047}$
C	-1.244	...	684.0	-1.939	...	...	...	...	-474.96/968.41/-491.90	1.108	1.497	4.100
	$^{+0.010}_{-0.014}$	...	$^{+59.0}_{-37.1}$	$^{+0.006}_{-0.008}$	...	...	...	...		$^{+0.033}_{-0.023}$	$^{+0.044}_{-0.031}$	$^{+0.122}_{-0.084}$

TABLE 1. BXA Auto Runs fit results for bn090323002 using GBM + LAT data.

bn090323002 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 $\times 10^{-4}$ (erg cm^{-2})	E_{iso} $\times 10^{54}$ (erg)
S+B+L	-1.162	-2.428	402.0	-1.987	5.5	-0.627	0.364	-12.515	-330.65/710.63/-368.39	1.039	1.405	3.846
	$^{+0.007}_{-0.047}$	$^{+0.026}_{-0.006}$	$^{+42.0}_{-2.4}$	$^{+0.000}_{-0.008}$	$^{+0.5}_{-0.0}$	$^{+0.010}_{-0.132}$	$^{+0.849}_{-3.021}$	$^{+3.151}_{-0.878}$		$^{+0.028}_{-0.004}$	$^{+0.038}_{-0.006}$	$^{+0.103}_{-0.015}$
S+B (v1)	-1.208	-2.465	453.2	-1.997	6.1	-0.712	...	...	-334.16/705.32/-369.23	1.069	1.444	3.955
	$^{+0.005}_{-0.026}$	$^{+0.000}_{-0.030}$	$^{+24.4}_{-6.0}$	$^{+0.003}_{-0.004}$	$^{+0.2}_{-0.5}$	$^{+0.030}_{-0.117}$	...	...		$^{+0.018}_{-0.010}$	$^{+0.024}_{-0.013}$	$^{+0.066}_{-0.036}$
S+B (v2)	-1.293	-2.446	493.7	-1.992	5.0	-1.557	...	...	-350.49/737.96/-377.07	1.081	1.462	4.002
	$^{+0.004}_{-0.044}$	$^{+0.010}_{-0.041}$	$^{+57.3}_{-10.8}$	$^{+0.003}_{-0.021}$	$^{+154.9}_{-37.4}$	$^{+1.202}_{-10.783}$	...	...		$^{+0.026}_{-0.016}$	$^{+0.035}_{-0.022}$	$^{+0.097}_{-0.060}$
S	-1.305	-2.463	504.2	-1.991	...	...	...	...	-354.88/734.42/-378.27	1.086	1.468	4.019
	$^{+0.009}_{-0.009}$	$^{+0.024}_{-0.025}$	$^{+32.5}_{-22.8}$	$^{+0.004}_{-0.004}$	...	...	...	...		$^{+0.024}_{-0.018}$	$^{+0.032}_{-0.024}$	$^{+0.087}_{-0.065}$
S+L	-1.305	-2.459	501.7	-1.991	...	...	-2.675	-10.408	-354.88/746.75/-379.37	1.084	1.465	4.012
	$^{+0.008}_{-0.009}$	$^{+0.019}_{-0.028}$	$^{+34.5}_{-19.8}$	$^{+0.003}_{-0.004}$	...	...	$^{+1.714}_{-0.699}$	$^{+3.187}_{-3.101}$		$^{+0.025}_{-0.014}$	$^{+0.034}_{-0.019}$	$^{+0.092}_{-0.052}$
G+B (v2)	-1.346	-2.462	794.7	-2.011	68.8	0.031	...	...	-350.97/738.94/-380.48	1.082	1.463	4.006
	$^{+0.030}_{-0.027}$	$^{+0.031}_{-0.058}$	$^{+180.3}_{-122.8}$	$^{+0.022}_{-0.020}$	$^{+10.0}_{-7.2}$	$^{+0.083}_{-0.098}$	...	...		$^{+0.041}_{-0.027}$	$^{+0.056}_{-0.036}$	$^{+0.152}_{-0.098}$
G+B (v1)	-1.341	-2.446	735.8	-2.006	72.2	0.067	...	...	-351.06/739.12/-380.79	1.069	1.446	3.958
	$^{+0.027}_{-0.033}$	$^{+0.014}_{-0.076}$	$^{+242.9}_{-69.6}$	$^{+0.019}_{-0.026}$	$^{+7.5}_{-10.8}$	$^{+0.047}_{-0.140}$	...	...		$^{+0.056}_{-0.015}$	$^{+0.076}_{-0.020}$	$^{+0.207}_{-0.055}$
G+B+L	-1.348	-2.529	793.8	-2.010	68.6	0.019	0.684	-14.168	-348.40/746.13/-381.86	1.079	1.459	3.995
	$^{+0.038}_{-0.011}$	$^{+0.093}_{-0.019}$	$^{+116.2}_{-121.5}$	$^{+0.025}_{-0.012}$	$^{+10.6}_{-5.7}$	$^{+0.066}_{-0.112}$	$^{+1.381}_{-3.923}$	$^{+6.225}_{-0.345}$		$^{+0.039}_{-0.020}$	$^{+0.053}_{-0.027}$	$^{+0.145}_{-0.073}$
G	-1.251	-2.490	705.8	-1.944	...	...	...	...	-363.37/751.41/-387.52	1.129	1.526	4.179
	$^{+0.011}_{-0.014}$	$^{+0.025}_{-0.030}$	$^{+59.7}_{-46.0}$	$^{+0.007}_{-0.008}$	...	...	...	...		$^{+0.025}_{-0.023}$	$^{+0.034}_{-0.031}$	$^{+0.094}_{-0.085}$
G+L	-1.233	-2.482	656.1	-1.940	...	...	-2.409	-4.521	-363.36/763.71/-388.05	1.105	1.494	4.090
	$^{+0.006}_{-0.030}$	$^{+0.017}_{-0.037}$	$^{+105.6}_{-2.1}$	$^{+0.003}_{-0.011}$	...	...	$^{+1.434}_{-1.004}$	$^{+2.677}_{-9.177}$		$^{+0.049}_{-0.001}$	$^{+0.067}_{-0.001}$	$^{+0.183}_{-0.003}$
C+B+L	-1.326	...	606.8	-1.990	83.5	0.154	0.604	-13.064	-379.34/801.84/-409.14	1.025	1.385	3.792
	$^{+0.033}_{-0.015}$	...	$^{+112.2}_{-85.1}$	$^{+0.021}_{-0.014}$	$^{+13.9}_{-10.0}$	$^{+0.069}_{-0.135}$	$^{+0.230}_{-0.111}$	$^{+0.649}_{-1.316}$		$^{+0.043}_{-0.035}$	$^{+0.058}_{-0.047}$	$^{+0.158}_{-0.130}$
C+L	-1.247	...	695.2	-1.941	...	...	0.671	-13.437	-393.26/817.35/-417.48	1.114	1.506	4.123
	$^{+0.013}_{-0.012}$	...	$^{+47.9}_{-48.2}$	$^{+0.007}_{-0.007}$	...	...	$^{+0.163}_{-0.183}$	$^{+1.028}_{-0.936}$		$^{+0.026}_{-0.029}$	$^{+0.035}_{-0.040}$	$^{+0.097}_{-0.108}$
C+B (v2)	-1.492	...	5078.0	-2.121	55.2	0.216	...	...	-402.99/836.80/-429.56	1.168	1.579	4.324
	$^{+0.012}_{-0.006}$	...	$^{+70.8}_{-121.9}$	$^{+0.008}_{-0.006}$	$^{+1.7}_{-2.7}$	$^{+0.026}_{-0.040}$	...	...		$^{+0.022}_{-0.014}$	$^{+0.030}_{-0.018}$	$^{+0.082}_{-0.050}$
C+B (v1)	-1.492	...	5078.1	-2.123	53.9	0.216	...	...	-403.07/836.96/-429.80	1.164	1.574	4.309
	$^{+0.012}_{-0.006}$	...	$^{+69.3}_{-119.2}$	$^{+0.009}_{-0.004}$	$^{+2.9}_{-1.5}$	$^{+0.026}_{-0.040}$	...	...		$^{+0.026}_{-0.010}$	$^{+0.035}_{-0.013}$	$^{+0.095}_{-0.036}$
C	-1.246	...	687.9	-1.940	...	...	...	...	-474.95/968.40/-492.10	1.110	1.500	4.108
	$^{+0.012}_{-0.012}$	...	$^{+50.9}_{-41.3}$	$^{+0.007}_{-0.007}$	...	...	...	...		$^{+0.028}_{-0.024}$	$^{+0.038}_{-0.032}$	$^{+0.104}_{-0.088}$

TABLE 2. BXA Original Runs fit results for bn090323002 using GBM + LAT data.

bn090323002 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 $\times 10^{-4}$ (erg cm^{-2})	E_{iso} $\times 10^{54}$ (erg)
G+B (v1)	-0.974	-2.418	442.8	-1.887	5.5	-0.481	...	...	654.73/-327.36/666.73/691.72	1.030	1.393	3.814
	$^{+0.045}_{-0.042}$	$^{+0.022}_{-0.023}$	$^{+71.5}_{-60.5}$	$^{+0.014}_{-0.013}$	$^{+0.3}_{-0.3}$	$^{+0.049}_{-0.054}$	...	...		$^{+0.020}_{-0.020}$	$^{+0.027}_{-0.027}$	$^{+0.073}_{-0.073}$
S+B (v1)	-1.125	-2.419	389.8	-1.990	5.9	-0.546	...	...	659.15/-329.58/671.15/696.14	1.028	1.390	3.805
	$^{+0.035}_{-0.032}$	$^{+0.021}_{-0.022}$	$^{+43.1}_{-37.9}$	$^{+0.005}_{-0.005}$	$^{+0.3}_{-0.3}$	$^{+0.060}_{-0.069}$	...	...		$^{+0.017}_{-0.017}$	$^{+0.023}_{-0.023}$	$^{+0.063}_{-0.063}$
S	-1.305	-2.460	505.0	-1.991	...	...	...	...	709.72/-354.86/717.72/734.39	1.087	1.470	4.024
	$^{+0.009}_{-0.009}$	$^{+0.022}_{-0.024}$	$^{+46.3}_{-41.3}$	$^{+0.004}_{-0.004}$	...	...	...	...		$^{+0.020}_{-0.020}$	$^{+0.027}_{-0.027}$	$^{+0.075}_{-0.075}$
S+B (v2)	-1.370	-2.461	591.4	-2.036	59.3	-0.161	...	...	701.62/-350.81/713.62/738.61	1.079	1.459	3.994
	$^{+0.026}_{-0.026}$	$^{+0.032}_{-0.033}$	$^{+139.6}_{-109.0}$	$^{+0.018}_{-0.018}$	$^{+12.1}_{-6.8}$	$^{+0.126}_{-0.183}$	...	...		$^{+0.029}_{-0.029}$	$^{+0.039}_{-0.039}$	$^{+0.106}_{-0.106}$
G+B (v2)	-1.345	-2.464	784.7	-2.010	69.1	0.037	...	...	701.83/-350.92/713.83/738.83	1.081	1.461	4.000
	$^{+0.028}_{-0.028}$	$^{+0.041}_{-0.046}$	$^{+245.7}_{-176.7}$	$^{+0.021}_{-0.021}$	$^{+9.8}_{-7.2}$	$^{+0.081}_{-0.097}$	...	...		$^{+0.034}_{-0.034}$	$^{+0.046}_{-0.046}$	$^{+0.126}_{-0.126}$
S+L	-1.296	-2.459	499.4	-1.993	...	...	-2.178	-4.374	709.66/-354.83/721.66/746.65	1.086	1.468	4.019
	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	...	...	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$		$^{+0.025}_{-0.025}$	$^{+0.034}_{-0.034}$	$^{+0.092}_{-0.092}$
G	-1.251	-2.488	702.3	-1.944	...	...	...	...	726.73/-363.36/734.73/751.39	1.127	1.524	4.171
	$^{+0.013}_{-0.012}$	$^{+0.026}_{-0.028}$	$^{+77.1}_{-68.3}$	$^{+0.007}_{-0.007}$	...	...	...	...		$^{+0.025}_{-0.025}$	$^{+0.034}_{-0.034}$	$^{+0.092}_{-0.092}$
G+L	-1.158	-2.469	602.1	-1.943	...	...	-2.166	-3.450	722.47/-361.24/734.47/759.46	1.105	1.493	4.089
	$^{+0.052}_{-0.048}$	$^{+0.026}_{-0.016}$	$^{+139.2}_{-107.0}$	$^{+0.009}_{-0.009}$	...	...	$^{+0.095}_{-0.177}$	$^{+0.208}_{-6.550}$		$^{+0.027}_{-0.027}$	$^{+0.037}_{-0.037}$	$^{+0.101}_{-0.101}$
G+B+L	-1.133	-2.420	502.0	-1.926	103.1	-0.513	-2.342	-3.585	724.60/-362.30/740.60/773.92	1.055	1.427	3.906
	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$		$^{+0.237}_{-0.237}$	$^{+0.320}_{-0.320}$	$^{+0.877}_{-0.877}$
C+B+L	-0.808	...	429.5	-1.916	6.4	-0.542	-1.898	-2.990	736.13/-368.06/750.13/779.29	0.955	1.292	3.536
	$^{+0.065}_{-0.060}$	...	$^{+71.5}_{-60.1}$	$^{+0.005}_{-0.006}$	$^{+0.4}_{-0.4}$	$^{+0.057}_{-0.065}$	$^{+0.025}_{-0.022}$	$^{+0.065}_{-0.080}$		$^{+0.028}_{-0.028}$	$^{+0.038}_{-0.038}$	$^{+0.105}_{-0.105}$
C+L	-0.985	...	516.9	-1.966	...	...	-1.937	-2.849	789.36/-394.68/799.36/820.18	1.035	1.400	3.832
	$^{+0.050}_{-0.048}$	...	$^{+87.1}_{-72.7}$	$^{+0.002}_{-0.003}$	...	...	$^{+0.017}_{-0.016}$	$^{+0.043}_{-0.050}$		$^{+0.025}_{-0.025}$	$^{+0.033}_{-0.033}$	$^{+0.092}_{-0.092}$
S+B+L	-1.211	-2.410	446.2	-1.994	5.8	-0.751	-1.320	-4.804	822.51/-411.26/838.51/871.83	1.067	1.442	3.949
	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$		$^{+0.020}_{-0.020}$	$^{+0.027}_{-0.027}$	$^{+0.073}_{-0.073}$
C+B (v1)	-0.982	...	464.3	-1.892	5.5	-0.484	...	...	872.45/-436.23/882.45/903.28	0.969	1.310	3.587
	$^{+0.038}_{-0.037}$	...	$^{+62.7}_{-53.8}$	$^{+0.009}_{-0.009}$	$^{+0.3}_{-0.3}$	$^{+0.046}_{-0.051}$	...	...		$^{+0.027}_{-0.027}$	$^{+0.036}_{-0.036}$	$^{+0.100}_{-0.100}$
C+B (v2)	-1.321	...	602.8	-1.989	83.7	0.139	...	...	921.34/-460.67/931.34/952.16	1.020	1.379	3.775
	$^{+0.026}_{-0.026}$	...	$^{+163.7}_{-131.6}$	$^{+0.019}_{-0.018}$	$^{+14.4}_{-10.9}$	$^{+0.104}_{-0.105}$	...	...		$^{+0.038}_{-0.038}$	$^{+0.051}_{-0.051}$	$^{+0.141}_{-0.141}$
C	-1.245	...	686.6	-1.939	...	...	...	...	949.90/-474.95/955.90/968.40	1.109	1.499	4.105
	$^{+0.012}_{-0.012}$	...	$^{+71.2}_{-62.1}$	$^{+0.006}_{-0.006}$	...	...	...	...		$^{+0.028}_{-0.028}$	$^{+0.038}_{-0.038}$	$^{+0.104}_{-0.104}$

TABLE 3. XSPEC fit results for bn090323002 using GBM + LAT data and errors from the Error command.