bn090902462 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 $\times 10^{-5}$ (erg s^{-1}cm^{-2})	Fluence $\times 10^{-4}$ (erg cm^{-2})	E_{iso} $\times 10^{54}$ (erg)
C+B+L	-0.595 $^{+0.017}_{-0.013}$	... ...	773.3 $^{+16.7}_{-6.6}$	-0.968 $^{+0.000}_{-0.006}$	5.4 $^{+161.5}_{-29.0}$	-1.185 $^{+1.346}_{-10.773}$	-1.917 $^{+0.004}_{-0.007}$	-1.819 $^{+0.021}_{-0.001}$	-401.69/846.77/-435.30	1.843 $^{+0.026}_{-0.007}$	3.562 $^{+0.050}_{-0.013}$	3.055 $^{+0.043}_{-0.011}$
C+L	-0.590 $^{+0.013}_{-0.017}$	... ...	778.3 $^{+11.7}_{-12.0}$	-0.972 $^{+0.004}_{-0.002}$	... ...	... ...	-1.919 $^{+0.006}_{-0.005}$	-1.806 $^{+0.008}_{-0.013}$	-402.85/836.70/-435.50	1.855 $^{+0.015}_{-0.018}$	3.585 $^{+0.028}_{-0.035}$	3.074 $^{+0.024}_{-0.030}$
G+L	-0.587 $^{+0.012}_{-0.019}$	-4.552 $^{+0.273}_{-4.442}$	775.1 $^{+13.8}_{-11.5}$	-0.972 $^{+0.004}_{-0.002}$	... ...	... ...	-1.920 $^{+0.007}_{-0.004}$	-1.805 $^{+0.008}_{-0.013}$	-403.19/843.57/-438.25	1.855 $^{+0.013}_{-0.021}$	3.586 $^{+0.024}_{-0.041}$	3.075 $^{+0.021}_{-0.035}$
G+B+L	-0.596 $^{+0.020}_{-0.011}$	-8.101 $^{+3.219}_{-0.928}$	775.9 $^{+12.4}_{-11.8}$	-0.972 $^{+0.004}_{-0.002}$	187.9 $^{+18.9}_{-151.7}$	0.118 $^{+2.526}_{-11.931}$	-1.918 $^{+0.005}_{-0.006}$	-1.807 $^{+0.009}_{-0.011}$	-403.13/855.84/-438.27	1.850 $^{+0.018}_{-0.015}$	3.575 $^{+0.034}_{-0.030}$	3.066 $^{+0.029}_{-0.026}$
S+B+L	-0.871 $^{+0.008}_{-0.011}$	-3.666 $^{+0.150}_{-0.096}$	711.8 $^{+3.1}_{-19.1}$	-1.064 $^{+0.010}_{-0.002}$	55.0 $^{+7.2}_{-4.6}$	0.540 $^{+0.023}_{-0.226}$	-1.897 $^{+0.010}_{-0.002}$	-1.914 $^{+0.005}_{-0.014}$	-404.89/859.37/-448.83	1.852 $^{+0.011}_{-0.019}$	3.579 $^{+0.021}_{-0.037}$	3.069 $^{+0.018}_{-0.032}$
S+L	-0.854 $^{+0.006}_{-0.017}$	-3.487 $^{+0.110}_{-0.123}$	666.8 $^{+12.9}_{-5.9}$	-1.042 $^{+0.005}_{-0.002}$	... ...	... ...	-1.894 $^{+0.010}_{-0.005}$	-1.915 $^{+0.008}_{-0.022}$	-418.80/874.79/-453.39	1.839 $^{+0.018}_{-0.014}$	3.554 $^{+0.035}_{-0.028}$	3.048 $^{+0.030}_{-0.024}$
S+B	-1.160 $^{+0.009}_{-0.005}$	-2.376 $^{+0.014}_{-0.019}$	398.4 $^{+18.5}_{-17.8}$	-1.029 $^{+0.005}_{-0.002}$	181.1 $^{+3.6}_{-2.2}$	1.960 $^{+0.012}_{-0.018}$	... ...	... ...	-552.71/1142.60/-587.55	1.762 $^{+0.013}_{-0.014}$	3.406 $^{+0.025}_{-0.028}$	2.921 $^{+0.021}_{-0.024}$
G+B	-1.133 $^{+0.010}_{-0.011}$	-2.516 $^{+0.023}_{-0.026}$	823.3 $^{+51.2}_{-61.2}$	-0.994 $^{+0.008}_{-0.006}$	150.8 $^{+5.7}_{-3.4}$	1.797 $^{+0.026}_{-0.019}$	... ...	... ...	-605.21/1247.61/-641.03	1.806 $^{+0.019}_{-0.017}$	3.490 $^{+0.036}_{-0.032}$	2.993 $^{+0.031}_{-0.028}$
S	-1.053 $^{+0.004}_{-0.003}$	-2.722 $^{+0.015}_{-0.013}$	781.6 $^{+9.4}_{-10.8}$	-0.965 $^{+0.001}_{-0.001}$	... ...	... ...	... ...	... ...	-797.87/1620.53/-823.35	1.983 $^{+0.012}_{-0.013}$	3.833 $^{+0.024}_{-0.025}$	3.287 $^{+0.021}_{-0.022}$
G	-0.969 $^{+0.004}_{-0.006}$	-2.735 $^{+0.013}_{-0.017}$	1019.8 $^{+18.6}_{-14.4}$	-0.909 $^{+0.002}_{-0.002}$	... ...	... ...	... ...	... ...	-1025.64/2076.06/-1053.43	2.041 $^{+0.014}_{-0.014}$	3.945 $^{+0.028}_{-0.027}$	3.383 $^{+0.024}_{-0.023}$
C+B	-1.151 $^{+0.010}_{-0.008}$	... ...	1110.3 $^{+25.9}_{-52.4}$	-1.007 $^{+0.006}_{-0.005}$	137.3 $^{+3.3}_{-2.6}$	1.709 $^{+0.019}_{-0.014}$	... ...	... ...	-1319.35/2669.69/-1347.92	1.897 $^{+0.012}_{-0.025}$	3.667 $^{+0.022}_{-0.049}$	3.145 $^{+0.019}_{-0.042}$
C	-0.977 $^{+0.005}_{-0.005}$	... ...	1079.2 $^{+17.9}_{-16.8}$	-0.913 $^{+0.002}_{-0.002}$	... ...	... ...	... ...	... ...	-1665.49/3349.57/-1685.73	2.067 $^{+0.017}_{-0.017}$	3.996 $^{+0.032}_{-0.033}$	3.427 $^{+0.028}_{-0.028}$

TABLE 1. BXA Auto Runs fit results for bn090902462 using GBM + LAT data.

bn090902462 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 $\times 10^{-5}$ (erg s^{-1}cm^{-2})	Fluence $\times 10^{-4}$ (erg cm^{-2})	E_{iso} $\times 10^{54}$ (erg)
C+B+L	-0.573	...	768.3	-0.973	4.9	-0.961	-1.917	-1.801	-402.35/848.08/-435.05	1.841	3.558	3.051
	$^{+0.004}_{-0.034}$	...	$^{+22.5}_{-1.3}$	$^{+0.005}_{-0.001}$	$^{+164.0}_{-29.8}$	$^{+1.268}_{-10.923}$	$^{+0.004}_{-0.007}$	$^{+0.003}_{-0.017}$		$^{+0.030}_{-0.003}$	$^{+0.057}_{-0.007}$	$^{+0.049}_{-0.006}$
C+L	-0.593	...	778.2	-0.971	...	...	-1.917	-1.808	-402.84/836.68/-435.37	1.854	3.583	3.073
	$^{+0.016}_{-0.015}$	...	$^{+12.1}_{-11.7}$	$^{+0.003}_{-0.003}$	...	...	$^{+0.004}_{-0.007}$	$^{+0.010}_{-0.011}$		$^{+0.015}_{-0.017}$	$^{+0.029}_{-0.034}$	$^{+0.025}_{-0.029}$
G+B+L	-0.590	-6.408	770.5	-0.970	5.0	-1.138	-1.919	-1.815	-402.20/853.99/-438.41	1.836	3.548	3.043
	$^{+0.013}_{-0.015}$	$^{+1.494}_{-2.563}$	$^{+17.1}_{-5.5}$	$^{+0.001}_{-0.004}$	$^{+161.2}_{-33.1}$	$^{+1.569}_{-10.363}$	$^{+0.005}_{-0.005}$	$^{+0.016}_{-0.002}$		$^{+0.030}_{-0.000}$	$^{+0.058}_{-0.000}$	$^{+0.049}_{-0.000}$
G+L	-0.591	-4.797	776.1	-0.972	...	...	-1.916	-1.806	-403.24/843.66/-438.45	1.854	3.582	3.072
	$^{+0.015}_{-0.016}$	$^{+0.057}_{-4.126}$	$^{+12.5}_{-11.4}$	$^{+0.003}_{-0.003}$	...	...	$^{+0.003}_{-0.008}$	$^{+0.008}_{-0.012}$		$^{+0.014}_{-0.019}$	$^{+0.027}_{-0.036}$	$^{+0.023}_{-0.031}$
S+B+L	-0.846	-3.818	711.4	-1.081	49.5	0.625	-1.897	-1.874	-401.33/852.24/-445.20	1.838	3.552	3.046
	$^{+0.006}_{-0.031}$	$^{+0.247}_{-0.012}$	$^{+9.0}_{-17.2}$	$^{+0.016}_{-0.006}$	$^{+9.3}_{-3.4}$	$^{+0.020}_{-0.179}$	$^{+0.007}_{-0.006}$	$^{+0.005}_{-0.034}$		$^{+0.020}_{-0.008}$	$^{+0.038}_{-0.015}$	$^{+0.033}_{-0.013}$
S+L	-0.858	-3.505	668.7	-1.041	...	...	-1.891	-1.917	-418.81/874.81/-454.39	1.837	3.551	3.045
	$^{+0.011}_{-0.013}$	$^{+0.119}_{-0.111}$	$^{+10.8}_{-8.1}$	$^{+0.004}_{-0.003}$	...	...	$^{+0.006}_{-0.008}$	$^{+0.011}_{-0.020}$		$^{+0.019}_{-0.013}$	$^{+0.038}_{-0.026}$	$^{+0.032}_{-0.022}$
S+B	-1.160	-2.373	390.0	-1.029	180.6	1.963	...	...	-552.61/1142.40/-587.54	1.754	3.391	2.908
	$^{+0.008}_{-0.006}$	$^{+0.010}_{-0.023}$	$^{+27.3}_{-9.3}$	$^{+0.005}_{-0.003}$	$^{+4.3}_{-1.9}$	$^{+0.010}_{-0.021}$	...	...		$^{+0.021}_{-0.007}$	$^{+0.041}_{-0.013}$	$^{+0.035}_{-0.011}$
G+B	-1.131	-2.521	812.9	-0.992	152.6	1.799	...	...	-605.27/1247.73/-641.06	1.805	3.488	2.991
	$^{+0.008}_{-0.013}$	$^{+0.028}_{-0.021}$	$^{+60.2}_{-48.5}$	$^{+0.006}_{-0.008}$	$^{+3.7}_{-5.5}$	$^{+0.023}_{-0.020}$	...	...		$^{+0.020}_{-0.016}$	$^{+0.038}_{-0.030}$	$^{+0.033}_{-0.026}$
S	-1.053	-2.719	781.0	-0.965	...	...	...	...	-797.87/1620.53/-824.37	1.983	3.832	3.286
	$^{+0.004}_{-0.003}$	$^{+0.012}_{-0.016}$	$^{+10.0}_{-10.0}$	$^{+0.001}_{-0.001}$	...	...	...	...		$^{+0.013}_{-0.012}$	$^{+0.025}_{-0.023}$	$^{+0.022}_{-0.020}$
G	-0.969	-2.733	1018.0	-0.909	...	...	...	...	-1025.65/2076.09/-1053.45	2.039	3.942	3.380
	$^{+0.004}_{-0.006}$	$^{+0.011}_{-0.018}$	$^{+19.7}_{-12.9}$	$^{+0.002}_{-0.002}$	...	...	...	...		$^{+0.016}_{-0.012}$	$^{+0.030}_{-0.023}$	$^{+0.026}_{-0.020}$

TABLE 2. BXA Original Runs fit results for bn090902462 using GBM + LAT data.

bn090902462 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 $\times 10^{-5}$ (erg s^{-1}cm^{-2})	Fluence $\times 10^{-4}$ (erg cm^{-2})	E_{iso} $\times 10^{54}$ (erg)
C+B+L	-0.640	...	783.7	-0.952	4.5	0.005	-1.876	-1.945	782.88/-391.44/796.88/826.27	1.853	3.581	3.071
	$^{+0.021}_{-0.021}$	...	$^{+36.5}_{-34.6}$	$^{+0.004}_{-0.004}$	$^{+0.3}_{-0.3}$	$^{+0.088}_{-0.109}$	$^{+0.015}_{-0.014}$	$^{+0.040}_{-0.047}$		$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$
G+B+L	-0.638	-4.704	780.9	-0.952	4.5	0.005	-1.877	-1.944	783.30/-391.65/799.30/832.89	1.852	3.579	3.070
	$^{+0.021}_{-0.022}$	$^{+0.739}_{-NA}$	$^{+37.0}_{-34.9}$	$^{+0.006}_{-0.005}$	$^{+0.3}_{-0.3}$	$^{+0.088}_{-0.107}$	$^{+0.016}_{-0.013}$	$^{+0.040}_{-0.048}$		$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$
C+L	-0.592	...	777.5	-0.971	...	...	-1.919	-1.807	805.58/-402.79/815.58/836.57	1.852	3.580	3.070
	$^{+0.015}_{-0.015}$	...	$^{+28.1}_{-26.9}$	$^{+0.001}_{-0.000}$	...	...	$^{+0.005}_{-0.006}$	$^{+0.010}_{-0.010}$		$^{+0.016}_{-0.016}$	$^{+0.031}_{-0.031}$	$^{+0.027}_{-0.027}$
G+L	-0.590	-4.887	775.3	-0.971	...	...	-1.919	-1.807	806.12/-403.06/818.12/843.31	1.851	3.578	3.069
	$^{+0.015}_{-0.015}$	$^{+0.804}_{-NA}$	$^{+28.3}_{-27.2}$	$^{+0.003}_{-0.003}$	...	...	$^{+0.006}_{-0.006}$	$^{+0.010}_{-0.010}$		$^{+0.017}_{-0.017}$	$^{+0.032}_{-0.032}$	$^{+0.028}_{-0.028}$
S+B+L	-0.837	-3.784	721.8	-1.094	50.7	0.726	-1.906	-1.860	799.63/-399.81/815.63/849.21	1.848	3.571	3.062
	$^{+0.028}_{-0.029}$	$^{+0.169}_{-0.212}$	$^{+83.9}_{-72.7}$	$^{+0.010}_{-0.010}$	$^{+7.3}_{-5.9}$	$^{+0.104}_{-0.102}$	$^{+0.009}_{-0.008}$	$^{+0.020}_{-0.022}$		$^{+0.018}_{-0.018}$	$^{+0.035}_{-0.035}$	$^{+0.030}_{-0.030}$
S+L	-0.858	-3.472	669.4	-1.041	...	...	-1.892	-1.920	837.33/-418.67/849.33/874.52	1.842	3.561	3.053
	$^{+0.012}_{-0.012}$	$^{+0.105}_{-0.121}$	$^{+45.5}_{-42.6}$	$^{+0.003}_{-0.003}$	...	...	$^{+0.007}_{-0.007}$	$^{+0.015}_{-0.016}$		$^{+0.017}_{-0.017}$	$^{+0.033}_{-0.033}$	$^{+0.028}_{-0.028}$
S+B	-0.939	-2.676	676.7	-0.978	3.9	0.276	...	...	1122.62/-561.31/1134.62/1159.81	1.928	3.726	3.195
	$^{+0.008}_{-0.008}$	$^{+0.013}_{-0.013}$	$^{+19.2}_{-18.7}$	$^{+0.002}_{-0.002}$	$^{+0.1}_{-0.1}$	$^{+0.019}_{-0.020}$	...	...		$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$
G+B (v1)	-0.755	-2.661	771.3	-0.900	4.1	0.421	...	...	1142.29/-571.15/1154.29/1179.48	1.926	3.722	3.192
	$^{+0.011}_{-0.010}$	$^{+0.013}_{-0.014}$	$^{+25.5}_{-25.0}$	$^{+0.003}_{-0.002}$	$^{+0.1}_{-0.1}$	$^{+0.014}_{-0.014}$	...	...		$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$
G+B (v2)	-1.133	-2.520	822.6	-0.993	151.5	1.796	...	...	1210.08/-605.04/1222.08/1247.27	1.808	3.494	2.996
	$^{+0.003}_{-0.003}$	$^{+0.013}_{-0.016}$	$^{+17.6}_{-28.1}$	$^{+0.002}_{-0.002}$	$^{+4.5}_{-4.5}$	$^{+0.017}_{-0.009}$	...	...		$^{+0.017}_{-0.017}$	$^{+0.033}_{-0.033}$	$^{+0.028}_{-0.028}$
S	-1.053	-2.720	780.8	-0.965	...	...	...	...	1595.71/-797.85/1603.71/1620.50	1.983	3.833	3.287
	$^{+0.004}_{-0.004}$	$^{+0.013}_{-0.014}$	$^{+19.9}_{-19.1}$	$^{+0.001}_{-0.001}$	...	...	...	...		$^{+0.014}_{-0.014}$	$^{+0.026}_{-0.026}$	$^{+0.023}_{-0.023}$
G	-0.970	-2.736	1020.8	-0.909	...	...	...	...	2051.23/-1025.62/2059.23/2076.03	2.041	3.945	3.383
	$^{+0.005}_{-0.005}$	$^{+0.015}_{-0.015}$	$^{+24.2}_{-24.2}$	$^{+0.002}_{-0.002}$	...	...	...	...		$^{+0.016}_{-0.016}$	$^{+0.031}_{-0.031}$	$^{+0.026}_{-0.026}$

TABLE 3. XSPEC fit results for bn090902462 using GBM + LAT data and errors from the Error command.