bn131231198 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} $\times 10^{53}$ (erg)
G+B	-1.193	-2.682	182.1	-0.918	161.7	0.780	...	...	-348.99/735.02/-382.61	5.318	1.661	1.825
	$^{+0.008}_{-0.014}$	$^{+0.037}_{-0.046}$	$^{+11.0}_{-4.4}$	$^{+0.006}_{-0.013}$	$^{+26.6}_{-9.2}$	$^{+0.054}_{-0.110}$	...	...		$^{+0.072}_{-0.036}$	$^{+0.022}_{-0.011}$	$^{+0.025}_{-0.012}$
G+B+L	-1.206	-2.693	194.4	-0.932	187.8	0.688	-2.677	-12.967	-349.88/749.16/-387.48	5.367	1.676	1.842
	$^{+0.003}_{-0.013}$	$^{+0.048}_{-0.011}$	$^{+8.5}_{-1.3}$	$^{+0.002}_{-0.010}$	$^{+4.3}_{-19.9}$	$^{+0.034}_{-0.214}$	$^{+2.031}_{-0.528}$	$^{+3.687}_{-0.735}$		$^{+0.032}_{-0.044}$	$^{+0.010}_{-0.014}$	$^{+0.011}_{-0.015}$
G	-1.234	-2.661	220.6	-0.955	...	...	...	...	-363.14/750.98/-390.94	5.332	1.665	1.830
	$^{+0.008}_{-0.007}$	$^{+0.027}_{-0.042}$	$^{+3.9}_{-3.4}$	$^{+0.005}_{-0.005}$	...	...	...	...		$^{+0.034}_{-0.056}$	$^{+0.011}_{-0.017}$	$^{+0.012}_{-0.019}$
G+L	-1.231	-2.676	220.1	-0.954	...	...	-0.498	-9.069	-362.76/762.57/-391.58	5.303	1.656	1.820
	$^{+0.004}_{-0.010}$	$^{+0.041}_{-0.028}$	$^{+4.3}_{-3.0}$	$^{+0.004}_{-0.006}$	...	...	$^{+0.162}_{-2.815}$	$^{+1.933}_{-4.626}$		$^{+0.066}_{-0.028}$	$^{+0.020}_{-0.009}$	$^{+0.023}_{-0.010}$
C+B+L	-1.182	...	176.7	-0.912	198.7	1.074	-1.783	-3.435	-354.66/752.53/-392.22	5.019	1.567	1.722
	$^{+0.010}_{-0.011}$	...	$^{+4.5}_{-4.9}$	$^{+0.009}_{-0.007}$	$^{+0.3}_{-9.6}$	$^{+0.022}_{-0.049}$	$^{+0.245}_{-0.012}$	$^{+0.018}_{-0.845}$		$^{+0.004}_{-0.078}$	$^{+0.001}_{-0.024}$	$^{+0.001}_{-0.027}$
S+B	-1.330	-2.650	154.1	-1.105	142.6	0.855	...	...	-360.86/758.76/-392.92	5.343	1.669	1.834
	$^{+0.007}_{-0.007}$	$^{+0.023}_{-0.048}$	$^{+6.6}_{-3.9}$	$^{+0.004}_{-0.002}$	$^{+18.9}_{-9.5}$	$^{+0.044}_{-0.070}$	...	...		$^{+0.045}_{-0.066}$	$^{+0.014}_{-0.021}$	$^{+0.015}_{-0.023}$
S+B+L	-1.326	-2.644	152.0	-1.106	140.5	0.863	-0.398	-9.092	-360.45/770.29/-393.53	5.336	1.666	1.831
	$^{+0.003}_{-0.010}$	$^{+0.016}_{-0.057}$	$^{+8.6}_{-1.7}$	$^{+0.004}_{-0.002}$	$^{+21.3}_{-6.1}$	$^{+0.035}_{-0.077}$	$^{+0.212}_{-2.916}$	$^{+1.911}_{-4.511}$		$^{+0.052}_{-0.060}$	$^{+0.016}_{-0.019}$	$^{+0.018}_{-0.021}$
C+B	-1.183	...	175.6	-0.909	199.6	1.083	...	...	-369.15/769.18/-399.12	5.002	1.562	1.717
	$^{+0.011}_{-0.009}$	...	$^{+3.8}_{-5.7}$	$^{+0.009}_{-0.007}$	$^{+0.7}_{-9.9}$	$^{+0.034}_{-0.040}$	...	...		$^{+0.019}_{-0.064}$	$^{+0.006}_{-0.020}$	$^{+0.006}_{-0.022}$
S	-1.348	-2.602	188.3	-1.097	...	...	...	...	-388.47/801.63/-414.31	5.390	1.683	1.850
	$^{+0.005}_{-0.007}$	$^{+0.020}_{-0.027}$	$^{+3.5}_{-2.1}$	$^{+0.001}_{-0.002}$	...	...	...	...		$^{+0.042}_{-0.044}$	$^{+0.013}_{-0.014}$	$^{+0.015}_{-0.015}$
S+L	-1.352	-2.601	189.9	-1.098	...	...	-0.260	-10.249	-388.44/813.93/-414.41	5.405	1.688	1.855
	$^{+0.008}_{-0.003}$	$^{+0.020}_{-0.028}$	$^{+1.7}_{-3.6}$	$^{+0.002}_{-0.001}$	...	...	$^{+0.366}_{-3.063}$	$^{+2.889}_{-3.484}$		$^{+0.027}_{-0.059}$	$^{+0.008}_{-0.018}$	$^{+0.009}_{-0.020}$
C+L	-1.254	...	239.3	-0.975	...	...	-1.789	-3.413	-396.20/823.26/-423.75	4.755	1.485	1.632
	$^{+0.005}_{-0.009}$	...	$^{+3.9}_{-2.7}$	$^{+0.004}_{-0.004}$	...	...	$^{+0.219}_{-0.032}$	$^{+0.115}_{-0.719}$		$^{+0.033}_{-0.028}$	$^{+0.010}_{-0.009}$	$^{+0.011}_{-0.010}$
C	-1.258	...	240.3	-0.974	...	...	...	...	-410.96/840.43/-432.19	4.743	1.481	1.628
	$^{+0.006}_{-0.007}$	...	$^{+3.5}_{-3.1}$	$^{+0.004}_{-0.004}$	...	...	...	...		$^{+0.031}_{-0.028}$	$^{+0.010}_{-0.009}$	$^{+0.011}_{-0.010}$

TABLE 1. BXA Auto Runs fit results for bn131231198 using GBM + LAT data.

bn131231198 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} $\times 10^{53}$ (erg)
G+B	-1.194 $^{+0.011}_{-0.012}$	-2.674 $^{+0.033}_{-0.053}$	183.4 $^{+9.1}_{-6.6}$	-0.920 $^{+0.009}_{-0.010}$	164.7 $^{+24.6}_{-14.2}$	0.779 $^{+0.062}_{-0.102}$	... ...	... ...	-349.03/735.10/-382.70	5.341 $^{+0.052}_{-0.062}$	1.668 $^{+0.016}_{-0.019}$	1.833 $^{+0.018}_{-0.021}$
G+B+L	-1.191 $^{+0.005}_{-0.016}$	-2.672 $^{+0.025}_{-0.052}$	183.4 $^{+9.2}_{-5.3}$	-0.918 $^{+0.004}_{-0.013}$	171.4 $^{+16.6}_{-19.7}$	0.762 $^{+0.065}_{-0.086}$	0.040 $^{+0.585}_{-3.104}$	-11.695 $^{+4.691}_{-1.627}$	-348.69/746.78/-383.55	5.344 $^{+0.042}_{-0.059}$	1.669 $^{+0.013}_{-0.019}$	1.834 $^{+0.014}_{-0.020}$
G	-1.233 $^{+0.006}_{-0.008}$	-2.664 $^{+0.030}_{-0.038}$	220.1 $^{+4.2}_{-2.9}$	-0.955 $^{+0.005}_{-0.005}$	... ...	... ...	... ...	... ...	-363.13/750.95/-390.96	5.319 $^{+0.050}_{-0.043}$	1.661 $^{+0.016}_{-0.013}$	1.825 $^{+0.017}_{-0.015}$
C+B+L	-1.180 $^{+0.014}_{-0.008}$	... ...	176.5 $^{+2.6}_{-6.5}$	-0.911 $^{+0.010}_{-0.006}$	199.9 $^{+1.2}_{-10.2}$	1.070 $^{+0.042}_{-0.029}$	-1.741 $^{+0.157}_{-0.125}$	-3.496 $^{+0.306}_{-0.586}$	-354.59/752.39/-391.12	5.008 $^{+0.028}_{-0.053}$	1.564 $^{+0.009}_{-0.017}$	1.719 $^{+0.009}_{-0.018}$
G+L	-1.235 $^{+0.008}_{-0.006}$	-2.666 $^{+0.031}_{-0.038}$	220.6 $^{+3.6}_{-3.6}$	-0.956 $^{+0.005}_{-0.005}$	... ...	... ...	0.095 $^{+0.767}_{-3.439}$	-11.513 $^{+4.222}_{-2.169}$	-362.95/762.94/-391.95	5.323 $^{+0.044}_{-0.049}$	1.662 $^{+0.014}_{-0.015}$	1.827 $^{+0.015}_{-0.017}$
S+B	-1.328 $^{+0.005}_{-0.009}$	-2.653 $^{+0.024}_{-0.047}$	152.6 $^{+8.3}_{-2.9}$	-1.107 $^{+0.005}_{-0.001}$	140.3 $^{+22.2}_{-7.0}$	0.869 $^{+0.032}_{-0.087}$	... ...	... ...	-360.86/758.77/-392.62	5.326 $^{+0.064}_{-0.052}$	1.663 $^{+0.020}_{-0.016}$	1.828 $^{+0.022}_{-0.018}$
S+B+L	-1.327 $^{+0.004}_{-0.010}$	-2.668 $^{+0.038}_{-0.035}$	149.3 $^{+11.6}_{-0.9}$	-1.108 $^{+0.006}_{-0.000}$	136.1 $^{+26.2}_{-2.2}$	0.897 $^{+0.002}_{-0.115}$	-0.871 $^{+0.237}_{-2.398}$	-8.252 $^{+1.103}_{-5.317}$	-360.82/771.02/-393.83	5.287 $^{+0.103}_{-0.012}$	1.651 $^{+0.032}_{-0.004}$	1.814 $^{+0.035}_{-0.004}$
C+B	-1.184 $^{+0.012}_{-0.007}$	... ...	175.4 $^{+3.6}_{-5.5}$	-0.910 $^{+0.010}_{-0.006}$	200.0 $^{+1.2}_{-10.1}$	1.084 $^{+0.033}_{-0.038}$	... ...	... ...	-369.20/769.28/-399.16	4.996 $^{+0.026}_{-0.057}$	1.560 $^{+0.008}_{-0.018}$	1.715 $^{+0.009}_{-0.020}$
S	-1.350 $^{+0.006}_{-0.005}$	-2.602 $^{+0.021}_{-0.027}$	189.1 $^{+2.3}_{-2.9}$	-1.097 $^{+0.002}_{-0.002}$	... ...	... ...	... ...	... ...	-388.45/801.59/-415.32	5.396 $^{+0.036}_{-0.048}$	1.685 $^{+0.011}_{-0.015}$	1.852 $^{+0.012}_{-0.017}$
S+L	-1.350 $^{+0.007}_{-0.005}$	-2.611 $^{+0.031}_{-0.018}$	190.0 $^{+1.5}_{-3.8}$	-1.097 $^{+0.002}_{-0.002}$	... ...	... ...	-0.716 $^{+0.005}_{-2.580}$	-8.359 $^{+1.131}_{-5.408}$	-388.41/813.86/-416.54	5.392 $^{+0.040}_{-0.046}$	1.684 $^{+0.013}_{-0.014}$	1.850 $^{+0.014}_{-0.016}$
C+L	-1.254 $^{+0.006}_{-0.008}$	... ...	240.0 $^{+3.1}_{-3.4}$	-0.976 $^{+0.005}_{-0.003}$	... ...	... ...	-1.771 $^{+0.210}_{-0.049}$	-3.427 $^{+0.121}_{-0.727}$	-396.16/823.19/-424.07	4.763 $^{+0.024}_{-0.034}$	1.487 $^{+0.007}_{-0.010}$	1.635 $^{+0.008}_{-0.012}$
C	-1.258 $^{+0.006}_{-0.006}$	... ...	240.5 $^{+3.3}_{-3.6}$	-0.974 $^{+0.004}_{-0.004}$	... ...	... ...	... ...	... ...	-410.96/840.44/-432.18	4.745 $^{+0.030}_{-0.032}$	1.482 $^{+0.009}_{-0.010}$	1.628 $^{+0.010}_{-0.011}$

TABLE 2. BXA Original Runs fit results for bn131231198 using GBM + LAT data.

bn131231198 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} $\times 10^{53}$ (erg)
S+B	-1.241	-2.597	186.2	-1.100	7.0	0.226	...	...	666.92/-333.46/678.92/703.97	5.373	1.678	1.844
	$^{+0.017}_{-0.016}$	$^{+0.023}_{-0.024}$	$^{+10.1}_{-9.6}$	$^{+0.003}_{-0.003}$	$^{+0.3}_{-0.3}$	$^{+0.041}_{-0.045}$	...	...		$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$
G+B	-1.127	-2.639	213.5	-0.928	6.2	0.085	...	...	670.24/-335.12/682.24/707.29	5.302	1.656	1.819
	$^{+0.021}_{-0.020}$	$^{+0.031}_{-0.031}$	$^{+13.6}_{-12.9}$	$^{+0.009}_{-0.008}$	$^{+0.3}_{-0.3}$	$^{+0.054}_{-0.065}$	...	...		$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$
S+B+L	-1.241	-2.599	186.3	-1.100	7.0	0.226	-0.439	-9.522	666.49/-333.24/682.49/715.88	5.369	1.677	1.843
	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$		$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$
G+B+L	-1.135	-2.636	213.6	-0.930	6.2	0.053	-1.343	-8.724	670.60/-335.30/686.60/719.99	5.310	1.659	1.822
	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$		$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$
G	-1.234	-2.663	220.4	-0.955	...	...	...	...	726.21/-363.11/734.21/750.91	5.325	1.663	1.828
	$^{+0.007}_{-0.007}$	$^{+0.032}_{-0.034}$	$^{+7.6}_{-7.4}$	$^{+0.005}_{-0.005}$	...	...	...	...		$^{+0.047}_{-0.047}$	$^{+0.015}_{-0.015}$	$^{+0.016}_{-0.016}$
G+L	-1.234	-2.670	220.7	-0.955	...	...	-0.425	-9.352	725.06/-362.53/737.06/762.10	5.318	1.661	1.825
	$^{+0.007}_{-0.007}$	$^{+0.033}_{-0.036}$	$^{+7.6}_{-7.3}$	$^{+0.005}_{-0.005}$	...	...	$^{+0.066}_{-0.968}$	$^{+3.327}_{-NA}$		$^{+0.049}_{-0.049}$	$^{+0.015}_{-0.015}$	$^{+0.017}_{-0.017}$
C+B+L	-1.198	...	240.6	-0.969	7.3	-0.031	-1.793	-3.361	754.60/-377.30/768.60/797.81	4.731	1.478	1.624
	$^{+0.017}_{-0.012}$	...	$^{+11.5}_{-11.1}$	$^{+0.003}_{-0.003}$	$^{+0.4}_{-0.4}$	$^{+0.069}_{-0.069}$	$^{+0.109}_{-0.089}$	$^{+0.279}_{-6.639}$		$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$
S	-1.349	-2.603	188.7	-1.097	...	...	...	...	776.86/-388.43/784.86/801.55	5.391	1.684	1.850
	$^{+0.006}_{-0.006}$	$^{+0.023}_{-0.025}$	$^{+8.1}_{-7.7}$	$^{+0.002}_{-0.002}$	...	...	...	...		$^{+0.047}_{-0.047}$	$^{+0.015}_{-0.015}$	$^{+0.016}_{-0.016}$
S+L	-1.349	-2.606	188.8	-1.097	...	...	-0.445	-9.481	776.38/-388.19/788.38/813.42	5.387	1.682	1.849
	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	...	...	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$		$^{+0.048}_{-0.048}$	$^{+0.015}_{-0.015}$	$^{+0.017}_{-0.017}$
C+B	-1.202	...	241.5	-0.968	7.3	-0.029	...	...	784.89/-392.44/794.89/815.76	4.712	1.472	1.617
	$^{+0.014}_{-0.013}$	...	$^{+10.9}_{-10.4}$	$^{+0.004}_{-0.004}$	$^{+0.5}_{-0.5}$	$^{+0.067}_{-0.079}$	...	...		$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$
C+L	-1.254	...	239.4	-0.975	...	...	-1.771	-3.435	792.22/-396.11/802.22/823.08	4.759	1.486	1.633
	$^{+0.007}_{-0.007}$	...	$^{+7.8}_{-7.2}$	$^{+0.003}_{-0.002}$	...	...	$^{+0.120}_{-0.078}$	$^{+0.248}_{-6.565}$		$^{+0.119}_{-0.119}$	$^{+0.037}_{-0.037}$	$^{+0.041}_{-0.041}$
C	-1.258	...	240.4	-0.974	...	...	...	...	821.91/-410.95/827.91/840.43	4.743	1.481	1.628
	$^{+0.006}_{-0.006}$	...	$^{+7.2}_{-6.9}$	$^{+0.004}_{-0.004}$	...	...	...	...		$^{+0.029}_{-0.029}$	$^{+0.009}_{-0.009}$	$^{+0.010}_{-0.010}$

TABLE 3. XSPEC fit results for bn131231198 using GBM + LAT data and errors from the Error command.