bn130518580 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	-1.164 $^{+0.034}_{-0.016}$	-2.777 $^{+0.054}_{-0.045}$	561.3 $^{+33.7}_{-64.1}$	-1.733 $^{+0.023}_{-0.011}$	34.7 $^{+2.4}_{-1.7}$	0.326 $^{+0.062}_{-0.082}$	... ...	... ...	-148.10/331.59/-177.79	2.516 $^{+0.045}_{-0.074}$	1.222 $^{+0.022}_{-0.036}$	1.829 $^{+0.033}_{-0.054}$
S+B+L	-0.981 $^{+0.021}_{-0.011}$	-2.569 $^{+0.039}_{-0.026}$	223.6 $^{+19.0}_{-6.4}$	-1.620 $^{+0.010}_{-0.001}$	172.5 $^{+20.8}_{-5.4}$	0.909 $^{+0.026}_{-0.078}$	0.295 $^{+1.050}_{-3.634}$	-12.800 $^{+5.893}_{-0.758}$	-151.24/349.68/-181.42	2.344 $^{+0.066}_{-0.027}$	1.138 $^{+0.032}_{-0.013}$	1.704 $^{+0.048}_{-0.020}$
G+B	-0.992 $^{+0.084}_{-0.003}$	-2.717 $^{+0.041}_{-0.037}$	533.3 $^{+5.9}_{-105.2}$	-1.587 $^{+0.085}_{-0.009}$	36.9 $^{+37.4}_{-4.6}$	0.077 $^{+0.057}_{-5.775}$	... ...	... ...	-150.40/336.20/-183.74	2.436 $^{+0.019}_{-0.081}$	1.183 $^{+0.009}_{-0.040}$	1.771 $^{+0.014}_{-0.059}$
G+B+L	-0.982 $^{+0.082}_{-0.003}$	-2.731 $^{+0.062}_{-0.015}$	522.9 $^{+9.8}_{-102.6}$	-1.579 $^{+0.081}_{-0.007}$	33.8 $^{+83.0}_{-1.6}$	0.009 $^{+0.029}_{-8.689}$	0.192 $^{+0.798}_{-3.340}$	-11.905 $^{+4.382}_{-1.614}$	-149.91/347.02/-184.95	2.430 $^{+0.007}_{-0.095}$	1.180 $^{+0.003}_{-0.046}$	1.767 $^{+0.005}_{-0.069}$
G	-0.903 $^{+0.017}_{-0.016}$	-2.686 $^{+0.035}_{-0.043}$	423.4 $^{+15.8}_{-15.3}$	-1.500 $^{+0.009}_{-0.009}$	... ...	... ...	... ...	... ...	-161.22/346.03/-186.12	2.347 $^{+0.040}_{-0.039}$	1.140 $^{+0.019}_{-0.019}$	1.706 $^{+0.029}_{-0.029}$
G+L	-0.907 $^{+0.021}_{-0.012}$	-2.733 $^{+0.080}_{-0.004}$	427.0 $^{+12.0}_{-18.6}$	-1.500 $^{+0.010}_{-0.008}$	... ...	... ...	0.261 $^{+0.821}_{-3.611}$	-12.350 $^{+5.260}_{-1.356}$	-160.48/356.37/-186.57	2.345 $^{+0.040}_{-0.037}$	1.139 $^{+0.019}_{-0.018}$	1.705 $^{+0.029}_{-0.027}$
C+B+L	-1.026 $^{+0.047}_{-0.009}$	... ...	608.6 $^{+25.0}_{-80.4}$	-1.616 $^{+0.042}_{-0.010}$	35.5 $^{+2.7}_{-2.0}$	0.164 $^{+0.010}_{-0.205}$	0.519 $^{+0.232}_{-0.104}$	-12.921 $^{+0.526}_{-1.371}$	-159.01/359.32/-193.11	2.432 $^{+0.027}_{-0.123}$	1.182 $^{+0.013}_{-0.060}$	1.769 $^{+0.019}_{-0.090}$
S	-1.022 $^{+0.013}_{-0.013}$	-2.640 $^{+0.025}_{-0.039}$	336.9 $^{+10.9}_{-8.3}$	-1.610 $^{+0.003}_{-0.005}$	... ...	... ...	... ...	... ...	-170.70/364.99/-193.32	2.285 $^{+0.033}_{-0.034}$	1.110 $^{+0.016}_{-0.016}$	1.662 $^{+0.024}_{-0.024}$
S+L	-1.023 $^{+0.015}_{-0.011}$	-2.641 $^{+0.027}_{-0.037}$	340.7 $^{+7.4}_{-12.9}$	-1.612 $^{+0.005}_{-0.003}$	... ...	... ...	-0.084 $^{+0.549}_{-3.285}$	-10.851 $^{+3.582}_{-2.843}$	-170.41/376.22/-193.89	2.293 $^{+0.024}_{-0.044}$	1.114 $^{+0.012}_{-0.021}$	1.668 $^{+0.017}_{-0.032}$
C+L	-0.883 $^{+0.009}_{-0.039}$	... ...	437.1 $^{+21.4}_{-9.8}$	-1.509 $^{+0.007}_{-0.009}$	... ...	... ...	-1.818 $^{+2.245}_{-0.029}$	-3.416 $^{+0.056}_{-9.053}$	-172.17/373.84/-197.57	2.186 $^{+0.054}_{-0.036}$	1.062 $^{+0.026}_{-0.018}$	1.590 $^{+0.039}_{-0.026}$
C+B	-1.060 $^{+0.034}_{-0.032}$	... ...	663.5 $^{+69.4}_{-65.8}$	-1.641 $^{+0.028}_{-0.022}$	37.6 $^{+2.4}_{-2.3}$	0.265 $^{+0.065}_{-0.118}$	... ...	... ...	-180.62/390.73/-205.77	2.493 $^{+0.087}_{-0.089}$	1.211 $^{+0.042}_{-0.043}$	1.812 $^{+0.063}_{-0.065}$
C	-0.917 $^{+0.016}_{-0.016}$	... ...	447.8 $^{+16.1}_{-14.9}$	-1.509 $^{+0.008}_{-0.008}$	... ...	... ...	... ...	... ...	-196.85/411.41/-215.27	2.202 $^{+0.047}_{-0.046}$	1.070 $^{+0.023}_{-0.023}$	1.601 $^{+0.034}_{-0.034}$

TABLE 1. BXA Auto Runs fit results for bn130518580 using GBM + LAT data.

bn130518580 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	-1.164 $^{+0.036}_{-0.014}$	-2.763 $^{+0.043}_{-0.059}$	560.5 $^{+32.9}_{-64.4}$	-1.734 $^{+0.025}_{-0.009}$	35.7 $^{+1.3}_{-2.8}$	0.342 $^{+0.044}_{-0.100}$	... ...	... ...	-148.12/331.64/-177.85	2.515 $^{+0.047}_{-0.075}$	1.222 $^{+0.023}_{-0.036}$	1.829 $^{+0.034}_{-0.054}$
S+B+L	-0.977 $^{+0.019}_{-0.015}$	-2.564 $^{+0.035}_{-0.031}$	222.0 $^{+21.1}_{-5.0}$	-1.619 $^{+0.009}_{-0.002}$	172.0 $^{+21.0}_{-4.7}$	0.915 $^{+0.021}_{-0.083}$	0.022 $^{+0.741}_{-3.390}$	-11.246 $^{+4.549}_{-2.370}$	-151.02/349.26/-181.70	2.350 $^{+0.062}_{-0.033}$	1.142 $^{+0.030}_{-0.016}$	1.709 $^{+0.045}_{-0.024}$
G+B+L	-1.004 $^{+0.089}_{-0.012}$	-2.720 $^{+0.043}_{-0.034}$	545.3 $^{+16.8}_{-109.1}$	-1.597 $^{+0.090}_{-0.014}$	36.2 $^{+7.0}_{-3.6}$	0.136 $^{+0.084}_{-3.625}$	-1.348 $^{+0.591}_{-1.856}$	-6.056 $^{+1.026}_{-7.355}$	-149.85/346.91/-184.40	2.438 $^{+0.010}_{-0.085}$	1.184 $^{+0.005}_{-0.041}$	1.773 $^{+0.007}_{-0.062}$
G	-0.900 $^{+0.014}_{-0.019}$	-2.677 $^{+0.024}_{-0.050}$	418.4 $^{+20.6}_{-9.5}$	-1.497 $^{+0.006}_{-0.011}$ ...	... ...	... ...	... ...	... ...	-161.26/346.12/-186.03	2.339 $^{+0.046}_{-0.030}$	1.136 $^{+0.022}_{-0.015}$	1.701 $^{+0.034}_{-0.022}$
G+B	-0.955 $^{+0.067}_{-0.030}$	-2.735 $^{+0.081}_{-0.000}$	486.9 $^{+41.0}_{-77.4}$	-1.553 $^{+0.061}_{-0.041}$	34.2 $^{+133.0}_{-1.2}$	-0.150 $^{+1.571}_{-11.658}$ ...	... ...	... ...	-153.13/341.66/-186.07	2.401 $^{+0.012}_{-0.089}$	1.166 $^{+0.006}_{-0.043}$	1.746 $^{+0.009}_{-0.065}$
G+L	-0.903 $^{+0.017}_{-0.016}$	-2.698 $^{+0.045}_{-0.031}$	421.2 $^{+17.5}_{-12.4}$	-1.499 $^{+0.008}_{-0.009}$ ...	... ...	... ...	-0.155 $^{+0.471}_{-3.219}$	-10.423 $^{+3.511}_{-3.224}$	-160.47/356.33/-186.86	2.334 $^{+0.052}_{-0.025}$	1.134 $^{+0.025}_{-0.012}$	1.697 $^{+0.038}_{-0.018}$
C+B+L	-1.059 $^{+0.045}_{-0.001}$ ...	...	663.1 $^{+7.9}_{-86.0}$	-1.639 $^{+0.037}_{-0.003}$	38.1 $^{+1.3}_{-3.2}$	0.253 $^{+0.000}_{-0.150}$	0.579 $^{+0.172}_{-0.311}$	-13.298 $^{+1.705}_{-0.996}$	-158.51/358.32/-190.73	2.495 $^{+0.003}_{-0.115}$	1.212 $^{+0.001}_{-0.056}$	1.814 $^{+0.002}_{-0.083}$
S	-1.020 $^{+0.011}_{-0.014}$	-2.636 $^{+0.023}_{-0.042}$	336.5 $^{+11.6}_{-7.9}$	-1.611 $^{+0.004}_{-0.005}$ ...	... ...	... ...	... ...	... ...	-170.68/364.96/-194.36	2.282 $^{+0.036}_{-0.030}$	1.109 $^{+0.018}_{-0.014}$	1.659 $^{+0.026}_{-0.022}$
S+L	-1.024 $^{+0.016}_{-0.011}$	-2.657 $^{+0.042}_{-0.022}$	336.6 $^{+11.0}_{-8.9}$	-1.611 $^{+0.004}_{-0.005}$ ...	... ...	... ...	-0.624 $^{+0.029}_{-2.725}$	-8.808 $^{+1.727}_{-4.820}$	-170.45/376.29/-194.72	2.276 $^{+0.040}_{-0.028}$	1.106 $^{+0.020}_{-0.014}$	1.655 $^{+0.029}_{-0.020}$
C+L	-0.877 $^{+0.005}_{-0.045}$ ...	...	431.2 $^{+26.7}_{-5.3}$	-1.506 $^{+0.005}_{-0.012}$ ...	... ...	... ...	-1.829 $^{+2.248}_{-0.025}$	-3.384 $^{+0.047}_{-9.045}$	-172.26/374.02/-197.76	2.171 $^{+0.068}_{-0.026}$	1.055 $^{+0.033}_{-0.012}$	1.578 $^{+0.050}_{-0.019}$
C+B	-1.056 $^{+0.055}_{-0.025}$ ...	...	646.6 $^{+86.3}_{-87.5}$	-1.638 $^{+0.046}_{-0.021}$	38.4 $^{+1.0}_{-4.4}$	0.265 $^{+0.014}_{-0.213}$ ...	... ...	... ...	-180.81/391.12/-207.37	2.459 $^{+0.104}_{-0.103}$	1.194 $^{+0.051}_{-0.050}$	1.788 $^{+0.076}_{-0.075}$
C	-0.918 $^{+0.015}_{-0.014}$ ...	...	448.0 $^{+14.8}_{-14.2}$	-1.509 $^{+0.008}_{-0.008}$ ...	... ...	... ...	... ...	... ...	-196.85/411.41/-215.25	2.202 $^{+0.045}_{-0.044}$	1.070 $^{+0.022}_{-0.021}$	1.601 $^{+0.033}_{-0.032}$

TABLE 2. BXA Original Runs fit results for bn130518580 using GBM + LAT data.

bn130518580 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)
S+B	-1.156	-2.769	547.3	-1.728	34.8	0.315	...	...	295.88/-147.94/307.88/331.28	2.507	1.218	1.823
	$^{+0.023}_{-0.023}$	$^{+0.043}_{-0.048}$	$^{+78.4}_{-67.5}$	$^{+0.016}_{-0.015}$	$^{+1.9}_{-1.9}$	$^{+0.063}_{-0.072}$	...	...		$^{+0.058}_{-0.058}$	$^{+0.028}_{-0.028}$	$^{+0.042}_{-0.042}$
G+B	-1.045	-2.762	618.7	-1.627	37.3	0.220	...	...	297.71/-148.85/309.71/333.11	2.510	1.219	1.825
	$^{+0.033}_{-0.032}$	$^{+0.045}_{-0.051}$	$^{+113.7}_{-92.3}$	$^{+0.026}_{-0.025}$	$^{+2.4}_{-2.4}$	$^{+0.086}_{-0.104}$	...	...		$^{+0.065}_{-0.065}$	$^{+0.032}_{-0.032}$	$^{+0.047}_{-0.047}$
S+B+L	-1.155	-2.823	550.5	-1.732	34.7	0.321	-1.800	-4.269	295.14/-147.57/311.14/342.36	2.499	1.214	1.817
	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$		$^{+0.061}_{-0.061}$	$^{+0.030}_{-0.030}$	$^{+0.044}_{-0.044}$
G+B+L	-1.000	-2.827	597.2	-1.629	35.8	0.203	-1.977	-3.458	296.80/-148.40/312.80/344.00	2.490	1.209	1.810
	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$		$^{+0.069}_{-0.069}$	$^{+0.034}_{-0.034}$	$^{+0.050}_{-0.050}$
G	-0.902	-2.683	422.1	-1.499	...	...	...	...	322.41/-161.21/330.41/346.01	2.346	1.139	1.706
	$^{+0.016}_{-0.016}$	$^{+0.035}_{-0.039}$	$^{+28.3}_{-26.1}$	$^{+0.009}_{-0.009}$	...	...	...	...		$^{+0.037}_{-0.037}$	$^{+0.018}_{-0.018}$	$^{+0.027}_{-0.027}$
C+B+L	-0.977	...	625.3	-1.651	35.2	0.242	-1.918	-3.107	308.34/-154.17/322.34/349.64	2.456	1.193	1.786
	$^{+0.061}_{-0.054}$	...	$^{+139.4}_{-106.3}$	$^{+0.008}_{-0.003}$	$^{+2.5}_{-2.4}$	$^{+0.074}_{-0.087}$	$^{+0.071}_{-0.051}$	$^{+0.154}_{-0.238}$		$^{+0.081}_{-0.081}$	$^{+0.039}_{-0.039}$	$^{+0.059}_{-0.059}$
G+L	-0.903	-2.698	423.0	-1.499	...	...	-0.272	-10.000	320.94/-160.47/332.94/356.34	2.343	1.138	1.703
	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	...	...	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$		$^{+0.038}_{-0.038}$	$^{+0.018}_{-0.018}$	$^{+0.028}_{-0.028}$
S	-1.021	-2.640	337.3	-1.611	...	...	...	...	341.34/-170.67/349.34/364.94	2.284	1.109	1.661
	$^{+0.013}_{-0.013}$	$^{+0.030}_{-0.033}$	$^{+21.6}_{-20.2}$	$^{+0.004}_{-0.004}$	...	...	...	...		$^{+0.032}_{-0.032}$	$^{+0.016}_{-0.016}$	$^{+0.024}_{-0.024}$
C+L	-0.886	...	437.9	-1.510	...	...	-1.821	-3.422	344.25/-172.13/354.25/373.75	2.186	1.062	1.589
	$^{+0.029}_{-0.024}$	...	$^{+36.2}_{-33.1}$	$^{+0.004}_{-0.003}$	...	...	$^{+0.084}_{-0.062}$	$^{+0.196}_{-0.285}$		$^{+0.047}_{-0.047}$	$^{+0.023}_{-0.023}$	$^{+0.034}_{-0.034}$
S+L	-1.022	-2.648	337.4	-1.611	...	...	-0.317	-9.993	340.51/-170.26/352.51/375.91	2.281	1.108	1.659
	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$	...	...	$^{+NA}_{-NA}$	$^{+NA}_{-NA}$		$^{+0.033}_{-0.033}$	$^{+0.016}_{-0.016}$	$^{+0.024}_{-0.024}$
C+B	-1.059	...	661.3	-1.639	37.4	0.250	...	...	361.10/-180.55/371.10/390.60	2.492	1.211	1.812
	$^{+0.031}_{-0.031}$	...	$^{+120.1}_{-96.6}$	$^{+0.022}_{-0.021}$	$^{+2.3}_{-2.3}$	$^{+0.079}_{-0.094}$	...	...		$^{+0.083}_{-0.083}$	$^{+0.040}_{-0.040}$	$^{+0.060}_{-0.060}$
C	-0.917	...	447.0	-1.508	...	...	...	...	393.70/-196.85/399.70/411.40	2.199	1.068	1.599
	$^{+0.015}_{-0.015}$	...	$^{+27.7}_{-25.8}$	$^{+0.006}_{-0.006}$	...	...	...	...		$^{+0.044}_{-0.044}$	$^{+0.021}_{-0.021}$	$^{+0.032}_{-0.032}$

TABLE 3. XSPEC fit results for bn130518580 using GBM + LAT data and errors from the Error command.