

bn090328401 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	-1.105 +0.013 -0.024	-2.278 +0.021 -0.033	530.2 +43.6 -20.8	-2.058 +0.005 -0.008	...	...	...	...	-220.71/466.08/-241.10	1.253 +0.040 -0.025	7.728 +0.249 -0.154	1.125 +0.036 -0.022
S+B	-1.122 +0.032 -0.007	-2.306 +0.050 -0.005	568.2 +6.7 -59.2	-2.070 +0.016 -0.003	27.4 +142.1 -5.7	-1.324 +1.713 -10.714	...	...	-220.62/478.25/-241.89	1.272 +0.023 -0.045	7.848 +0.139 -0.277	1.143 +0.020 -0.040
S+L	-1.111 +0.019 -0.018	-2.301 +0.041 -0.012	542.2 +32.5 -32.2	-2.061 +0.007 -0.006	...	...	0.788 +1.287 -4.090	-14.782 +7.474 -1.003	-220.02/477.04/-242.31	1.261 +0.033 -0.034	7.778 +0.206 -0.210	1.132 +0.030 -0.031
S+B+L	-1.107 +0.017 -0.021	-2.310 +0.052 -0.002	525.7 +45.3 -17.1	-2.058 +0.004 -0.009	155.1 +12.3 -120.9	-10.646 +7.410 -1.494	0.402 +0.918 -3.686	-12.692 +5.324 -1.070	-219.88/489.10/-242.36	1.246 +0.045 -0.020	7.685 +0.275 -0.121	1.119 +0.040 -0.018
G+B	-1.029 +0.024 -0.026	-2.294 +0.028 -0.030	643.9 +54.1 -50.9	-1.992 +0.012 -0.011	98.9 +71.1 -64.4	-9.006 +6.108 -2.928	...	...	-219.76/476.53/-242.69	1.285 +0.038 -0.037	7.928 +0.235 -0.225	1.154 +0.034 -0.033
G	-1.028 +0.024 -0.025	-2.288 +0.021 -0.039	640.3 +61.7 -47.1	-1.990 +0.010 -0.014	...	...	...	...	-219.79/464.24/-242.72	1.287 +0.037 -0.040	7.943 +0.229 -0.244	1.156 +0.033 -0.036
G+L	-1.028 +0.023 -0.026	-2.345 +0.078 -0.019	653.0 +49.8 -60.8	-1.994 +0.015 -0.010	...	...	0.576 +1.063 -3.914	-13.447 +6.275 -0.269	-218.76/474.52/-243.21	1.271 +0.054 -0.024	7.841 +0.336 -0.146	1.142 +0.049 -0.021
G+B+L	-1.023 +0.018 -0.031	-2.288 +0.021 -0.037	617.6 +81.2 -26.5	-1.986 +0.007 -0.017	187.1 +19.0 -151.9	-7.032 +4.045 -4.991	0.496 +1.155 -3.751	-13.476 +6.229 -0.281	-219.11/487.57/-243.48	1.266 +0.056 -0.020	7.809 +0.345 -0.123	1.137 +0.050 -0.018
C+L	-0.894 +0.025 -0.148	... ... ...	605.2 +111.5 -21.4	-2.027 +0.028 -0.010	...	...	-1.729 +2.597 -0.015	-3.053 +0.040 -11.352	-240.21/511.26/-264.85	1.062 +0.073 -0.026	6.554 +0.452 -0.158	0.954 +0.066 -0.023
C+B+L	-0.898 +0.020 -0.150	... ... ...	614.0 +110.9 -27.1	-2.030 +0.032 -0.006	52.8 +117.6 -17.6	-3.525 +0.693 -8.250	-1.727 +2.621 -0.012	-3.044 +0.018 -11.494	-240.23/523.64/-265.14	1.075 +0.063 -0.035	6.630 +0.391 -0.217	0.965 +0.057 -0.032
C+B	-1.358 +0.018 -0.006	... ... ...	6418.9 +84.8 -198.4	-2.225 +0.008 -0.012	55.5 +2.4 -3.8	0.242 +0.031 -0.045	...	...	-270.02/570.89/-294.56	1.748 +0.063 -0.045	10.784 +0.388 -0.279	1.570 +0.057 -0.041
C	-1.041 +0.021 -0.025	... ... ...	697.4 +71.7 -42.9	-1.998 +0.010 -0.013	...	...	...	...	-306.07/630.64/-322.21	1.096 +0.067 -0.040	6.761 +0.410 -0.248	0.984 +0.060 -0.036

TABLE 1. BXA Auto Runs fit results for bn090328401 using GBM + LAT data.

bn090328401 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 (v2)	-1.082 +0.010 -0.047	-2.304 +0.046 -0.005	529.3 +45.0 -20.5	-2.063 +0.010 -0.003	11.1 +158.0 -22.1	-1.222 +2.093 -11.587	...	...	-220.69/478.38/-241.82	1.259 +0.034 -0.032	7.765 +0.209 -0.195	1.131 +0.031 -0.028
S+B (v1)	-1.108 +0.017 -0.021	-2.275 +0.017 -0.036	532.7 +41.6 -23.7	-2.060 +0.006 -0.007	11.1 +158.3 -26.5	-2.268 +0.898 -10.658	...	...	-220.67/478.34/-241.97	1.251 +0.043 -0.023	7.717 +0.266 -0.142	1.124 +0.039 -0.021
S	-1.105 +0.014 -0.025	-2.279 +0.021 -0.032	532.8 +42.7 -24.7	-2.059 +0.006 -0.008	...	...	...	...	-220.70/466.08/-242.35	1.255 +0.038 -0.030	7.744 +0.237 -0.182	1.127 +0.035 -0.027
G	-1.026 +0.021 -0.028	-2.295 +0.029 -0.029	634.7 +65.3 -41.9	-1.990 +0.011 -0.013	...	...	...	...	-219.78/464.23/-242.49	1.276 +0.046 -0.028	7.873 +0.286 -0.174	1.146 +0.042 -0.025
S+B+L	-1.115 +0.024 -0.014	-2.306 +0.048 -0.005	542.1 +32.0 -33.9	-2.060 +0.007 -0.006	30.1 +138.6 -3.7	-9.733 +6.532 -3.058	-0.032 +0.544 -3.265	-10.859 +3.700 -2.792	-220.20/489.73/-242.76	1.259 +0.034 -0.033	7.771 +0.208 -0.204	1.131 +0.030 -0.030
G+B (v1)	-1.028 +0.024 -0.027	-2.292 +0.027 -0.033	637.4 +65.4 -45.1	-1.990 +0.011 -0.014	166.5 +3.6 -132.8	-2.452 +0.866 -10.395	...	...	-219.75/476.51/-243.09	1.279 +0.046 -0.032	7.894 +0.281 -0.198	1.149 +0.041 -0.029
G+B (v2)	-1.016 +0.011 -0.037	-2.294 +0.029 -0.031	641.4 +56.3 -48.5	-1.990 +0.011 -0.012	5.3 +163.7 -28.8	-1.708 +1.565 -11.210	...	...	-219.77/476.54/-243.14	1.294 +0.029 -0.047	7.986 +0.181 -0.291	1.163 +0.026 -0.042
G+L	-1.038 +0.036 -0.014	-2.291 +0.024 -0.034	651.7 +46.1 -62.8	-1.995 +0.017 -0.008	...	...	-0.289 +0.933 -3.110	-9.962 +4.173 -0.649	-219.43/475.86/-243.46	1.283 +0.038 -0.038	7.916 +0.232 -0.233	1.152 +0.034 -0.034
S+L	-1.105 +0.016 -0.023	-2.291 +0.034 -0.020	525.5 +46.4 -18.6	-2.060 +0.007 -0.006	...	...	-0.489 +0.734 -2.855	-9.083 +3.085 -0.282	-220.50/478.01/-243.54	1.239 +0.053 -0.013	7.644 +0.330 -0.081	1.113 +0.048 -0.012
G+B+L	-1.028 +0.024 -0.025	-2.321 +0.054 -0.003	646.6 +50.1 -54.3	-1.993 +0.014 -0.009	159.2 +9.0 -124.9	-10.187 +6.969 -2.704	0.839 +1.319 -4.107	-14.927 +7.573 -1.136	-218.97/487.27/-243.67	1.272 +0.049 -0.024	7.847 +0.300 -0.146	1.143 +0.044 -0.021
C+L	-0.904 +0.033 -0.141	...	622.5 +98.9 -39.5	-2.029 +0.030 -0.008	...	...	-1.726 +2.606 -0.018	-3.062 +0.051 -11.410	-240.30/511.44/-264.67	1.084 +0.051 -0.048	6.688 +0.317 -0.294	0.974 +0.046 -0.043
C+B+L	-0.867 +0.005 -0.176	...	624.0 +92.6 -41.2	-2.051 +0.053 -0.015	26.2 +141.6 -7.2	-1.105 +2.108 -11.644	-1.743 +2.624 -0.000	-2.959 +0.055 -11.512	-240.16/523.50/-265.15	1.087 +0.045 -0.050	6.707 +0.279 -0.309	0.976 +0.041 -0.045
C+B	-1.350 +0.011 -0.014	...	6502.1 +7.0 -276.7	-2.230 +0.013 -0.007	54.7 +3.1 -3.1	0.237 +0.036 -0.042	...	...	-269.99/570.82/-294.69	1.760 +0.054 -0.057	10.862 +0.334 -0.350	1.581 +0.049 -0.051
C	-1.041 +0.020 -0.025	...	697.8 +67.4 -42.9	-1.997 +0.008 -0.013	...	...	...	...	-306.07/630.64/-321.93	1.098 +0.060 -0.041	6.772 +0.369 -0.255	0.986 +0.054 -0.037

TABLE 2. BXA Original Runs fit results for bn090328401 using GBM + LAT data.

bn090328401 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	-1.027 +0.025 -0.024	-2.290 +0.028 -0.030	635.2 +88.9 -76.0	-1.990 +0.012 -0.012	...	...	...	...	439.48/-219.74/447.48/464.15	1.280 +0.037 -0.037	7.897 +0.227 -0.227	1.150 +0.033 -0.033
S	-1.109 +0.019 -0.019	-2.281 +0.026 -0.027	536.8 +70.3 -60.3	-2.059 +0.006 -0.006	...	...	...	...	441.36/-220.68/449.36/466.03	1.258 +0.032 -0.032	7.759 +0.197 -0.197	1.130 +0.029 -0.029
G+B (v1)	-0.963 +0.067 -0.060	-2.280 +0.028 -0.030	584.7 +136.3 -115.1	-1.982 +0.016 -0.015	7.6 +2.6 -2.4	-1.120 +0.288 -0.694	...	...	438.10/-219.05/450.10/475.11	1.262 +NA -NA	7.786 +NA -NA	1.134 +NA -NA
G+B (v2)	-1.045 +0.041 -0.064	-2.292 +0.032 -0.034	662.7 +253.2 -126.9	-2.003 +0.024 -0.047	57.7 +NA -NA	-0.924 +0.613 -NA	...	...	439.39/-219.69/451.39/476.39	1.282 +0.047 -0.047	7.909 +0.293 -0.293	1.151 +0.043 -0.043
G+L	-1.022 +NA -NA	-2.287 +NA -NA	624.9 +NA -NA	-1.987 +NA -NA	...	...	-1.885 +NA -NA	-6.023 +NA -NA	439.53/-219.77/451.53/476.54	1.274 +0.051 -0.051	7.860 +0.312 -0.312	1.144 +0.045 -0.045
S+B (v2)	-1.124 +0.110 -0.041	-2.295 +0.030 -0.034	590.7 +184.9 -162.0	-2.080 +0.023 -0.027	27.7 +14.0 -20.4	-0.874 +0.427 -0.416	...	...	440.04/-220.02/452.04/477.04	1.283 +0.039 -0.039	7.917 +0.241 -0.241	1.153 +0.035 -0.035
S+B (v1)	-1.068 +0.054 -0.097	-2.278 +0.026 -0.052	524.6 +266.0 -96.2	-2.066 +0.009 -0.010	10.2 +24.1 -2.9	-1.072 +0.280 -0.869	...	...	440.04/-220.02/452.04/477.05	1.254 +0.033 -0.033	7.735 +0.201 -0.201	1.126 +0.029 -0.029
S+L	-1.110 +NA -NA	-2.287 +NA -NA	537.3 +NA -NA	-2.060 +NA -NA	...	...	-0.902 +NA -NA	-7.526 +NA -NA	440.96/-220.48/452.96/477.96	1.257 +0.033 -0.033	7.754 +0.201 -0.201	1.129 +0.029 -0.029
G+B+L	-1.092 +NA -NA	-2.317 +NA -NA	777.2 +NA -NA	-2.039 +NA -NA	52.1 +NA -NA	-0.454 +NA -NA	-0.616 +NA -NA	-8.567 +NA -NA	439.01/-219.50/455.01/488.35	1.307 +0.052 -0.052	8.065 +0.323 -0.323	1.174 +0.047 -0.047
S+B+L	-1.136 +NA -NA	-2.309 +NA -NA	618.4 +NA -NA	-2.089 +NA -NA	31.1 +NA -NA	-0.706 +NA -NA	-0.467 +NA -NA	-9.176 +NA -NA	439.10/-219.55/455.10/488.44	1.292 +0.041 -0.041	7.973 +0.253 -0.253	1.161 +0.037 -0.037
C+L	-0.896 +0.060 -0.053	...	608.3 +117.9 -95.9	-2.027 +0.001 -0.000	...	...	-1.728 +0.034 -0.029	-3.053 +0.086 -0.109	480.37/-240.19/490.37/511.21	1.067 +0.043 -0.043	6.585 +0.267 -0.267	0.959 +0.039 -0.039
C+B+L	-0.862 +0.115 -0.099	...	677.6 +273.7 -186.6	-2.084 +0.007 -0.008	27.9 +12.5 -5.9	-0.651 +0.264 -0.437	-1.756 +0.037 -0.030	-2.962 +0.089 -0.116	477.38/-238.69/491.38/520.55	1.114 +0.066 -0.066	6.871 +0.404 -0.404	1.000 +0.059 -0.059
C	-1.041 +0.023 -0.022	...	700.2 +91.5 -78.2	-1.998 +0.008 -0.008	...	...	...	...	612.13/-306.06/618.13/630.63	1.099 +0.048 -0.048	6.782 +0.298 -0.298	0.987 +0.043 -0.043
C+B	-1.093 +0.111 -0.052	...	820.8 +366.8 -205.4	-2.039 +0.035 -0.006	50.4 +30.2 -25.1	-0.493 +0.305 -1.103	...	...	611.04/-305.52/621.04/641.88	1.160 +0.078 -0.078	7.158 +0.481 -0.481	1.042 +0.070 -0.070

TABLE 3. XSPEC fit results for bn090328401 using GBM + LAT data and errors from the Error command.