Table 4. Chandra/LETG line fluxes of Procyon[a]

Ion	$\lambda_{\rm model}$	log $T_{\rm max}$	$F_{\rm obs}$	S/N	ratio	Blends
Fexvii	12.1240	6.8	6.03e-15	3.6	-0.18	Nex 12.1321, Nex 12.1375
Neix	13.4473	6.6	2.79e-14	8.3	-0.34	
Neix	13.6990	6.6	1.53e-14	6.2	-0.36	Neix 13.7130
Fexvii	15.0140	6.7	2.71e-14	8.8	-0.15	
Fexvii	15.2610	6.7	2.45e-14	8.5	0.00	O viii 15.1760, 15.1765, Fexvii 15.2509, 15.2615, 15.2797
O viii	16.0055	6.5	3.04e-14	8.3	0.07	O viii 16.0067
Fexvii	16.7800	6.7	1.44e-14	6.8	-0.12	
Fexvii	17.0510	6.7	5.22e-14	12.0	0.14	Fexvii 17.0960
O vii	17.3960	6.4	5.25e-15	3.8	-0.01	
O vii	17.7680	6.4	1.69e-14	6.9	0.13	
O vii	18.6270	6.3	4.76e-14	12.3	0.04	
O viii	18.9671	6.5	1.88e-13	24.7	-0.05	O viii 18.9725
N vii	20.9095	6.3	1.26e-14	5.4	0.15	N vii 20.9106
O vii	21.6015	6.3	2.66e-13	25.1	-0.14	
O vii	21.8036	6.3	7.20e-14	13.0	0.02	
O vii	22.0977	6.3	2.42e-13	24.0	0.03	
N vii	24.7792	6.3	7.00e-14	13.6	-0.02	N vii 24.7846
N vi	24.8980	6.2	5.64e-15	3.9	-0.12	
C vi	28.4652	6.2	2.85e-14	9.0	0.02	
N vi	28.7870	6.2	5.09e-14	11.9	-0.03	
N vi	29.0843	6.1	1.97e-14	7.4	0.17	
N vi	29.5347	6.1	1.69e-14	6.7	-0.23	
Caxi	30.4710	6.3	2.19e-14	5.1	0.01	S xiv 30.4270
No id.	31.0340	...	1.69e-14	5.0	...	Sixii 31.015
C vi	33.7342	6.1	2.44e-13	25.8	-0.10	C vi 33.7396
C v	34.9728	6.0	1.85e-14	7.2	0.17	
S xiii	35.6670	6.4	2.66e-14	8.6	0.09	Caxi 35.6340, 35.7370
S xii	36.3980	6.4	1.55e-14	6.5	0.06	
S xii	36.5730	6.4	1.01e-14	5.2	-0.17	S xii 36.5640
S xiii	37.5980	6.4	1.24e-14	5.5	0.20	S xii 37.5670
S xi	39.2400	6.3	4.48e-14	10.2	0.06	S xi 39.3000, 39.3200
C v	40.2674	6.0	1.06e-13	12.2	0.13	
No id.	40.7250	...	9.27e-14	9.2	...	Cv 40.731
C v	41.4715	6.0	3.68e-14	5.7	-0.26	Arix 41.4760
No id.	42.5330	...	5.48e-14	7.7	...	Sx 42.543
Sixi	43.7630	6.2	3.69e-14	10.8	-0.02	
Sixii	44.0190	6.3	1.38e-14	6.8	-0.24	
Sixii	44.1650	6.3	4.44e-14	12.2	-0.18	Mgx 44.0500, Sixi 44.0690, Sixii 44.1780
No id.	44.4110	...	6.59e-15	4.7	...	
Sixii	45.6910	6.3	1.09e-14	9.1	-0.34	
Sixi	46.2980	6.2	1.47e-14	10.5	0.30	
Sixi	46.3990	6.2	1.61e-14	11.0	-0.15	Sixi 46.4090
Fexvi	46.7180	6.5	9.39e-15	8.4	0.25	Fexvi 46.6610
S xi	47.0300	6.3	8.36e-15	5.9	-0.08	Sixi 46.9960, 47.0770, Six 47.0450
No id.	47.2500	...	1.66e-14	8.3	...	Six 47.249
No id.	47.4000	...	1.23e-14	7.1	...	Six 47.433
Six	47.4890	6.2	1.29e-14	7.3	0.31	
No id.	47.6240	...	1.77e-14	8.5	...	Sx 47.655
No id.	47.7500	...	1.12e-14	6.8	...	Sx 47.791
No id.	47.8790	...	1.47e-14	7.8	...	Sixi 47.899
Arix	48.7390	6.1	7.53e-15	7.5	0.00	Six 48.6760, 48.7890
Sixi	49.2220	6.2	6.12e-14	21.7	-0.11	
No id.	49.3340	...	1.48e-14	10.7	...	Six 49.328
Six	49.7010	6.2	7.39e-15	7.6	0.14	Six 49.7510
Fexvi	50.3500	6.5	1.65e-14	11.4	0.20	Six 50.3160, 50.3330, 50.3590
Six	50.5240	6.2	6.60e-14	22.8	0.12	Fexvi 50.5550
Six	50.7030	6.2	4.43e-14	18.7	-0.24	Six 50.6910
Sixi	52.2980	6.2	2.53e-14	13.8	-0.42	Sixi 52.2690, Alxi 52.2990
Alxi	52.4460	6.2	9.05e-15	8.3	-0.00	
Six	52.6110	6.2	9.34e-15	8.5	-0.08	Six 52.6120
No id.	52.7600	...	1.55e-14	10.8	...	Sviii 52.756
Fexv	52.9110	6.4	9.92e-15	8.8	-0.04	
No id.	53.0480	...	7.36e-15	7.5	...	
Fexv	53.1100	6.4	6.60e-15	7.0	0.22	Six 53.1530
Six	54.5990	6.2	1.10e-14	8.9	0.32	
Siix	55.1160	6.1	3.04e-14	14.7	0.40	Siix 55.0390, 55.0940, Nixvii 55.0390
Siix	55.3050	6.1	8.40e-14	24.2	0.05	Siix 55.2340, 55.3830, 55.4010
No id.	56.9000	...	1.53e-14	7.1	...	Six 56.08
Fexv	59.4050	6.3	8.68e-15	5.2	-0.52	
S vii	60.1610	5.8	1.13e-14	5.9	0.35	Six 60.1180
No id.	61.0500	...	5.52e-14	13.1	...	Siviii 61.019
Siix	61.6490	6.1	3.90e-14	11.0	0.49	Siix 61.6000, 61.6970
No id.	61.8500	...	2.78e-14	9.3	...	Siix 61.852
No id.	61.9300	...	2.81e-14	9.3	...	Siviii 61.914
Six	62.6950	6.2	2.17e-14	8.2	-0.18	Mgix 62.6610, 62.7510
Fexvi	62.8790	6.5	1.92e-14	7.7	0.04	
Siix	62.9750	6.1	9.72e-15	5.5	0.61	

Table 4. Chandra/LETG line fluxes of Procyon continued.

Ion	$\lambda_{\rm model}$	log $T_{\rm max}$	$F_{\rm obs}$	S/N	ratio	Blends
Mgx	63.1520	6.1	2.08e-14	8.0	-0.19	
Mgx	63.2950	6.1	3.82e-14	10.9	-0.23	Mgx 63.3110
Fexvi	63.7190	6.5	2.25e-14	8.4	-0.21	
Fexv	63.9580	6.3	1.94e-14	7.8	0.26	
No id.	64.1230	...	2.52e-14	8.8	...	
Mgx	65.6730	6.1	9.77e-15	7.8	-0.22	
Mgx	65.8450	6.1	2.69e-14	13.3	-0.11	Neviii 65.8940
Fexvi	66.2630	6.5	9.90e-15	7.9	-0.07	
No id.	66.3130	...	9.61e-15	8.0	...	Neviii 66.330
Fexvi	66.3680	6.5	1.58e-14	10.0	-0.04	
Mgix	67.1350	6.0	1.37e-14	6.3	0.30	Mgix 67.1410
Mgix	67.2390	6.0	2.55e-14	8.6	0.19	Mgix 67.2460
Neviii	67.3820	5.9	1.84e-14	7.3	0.33	Six 67.3550, Neviii 67.3860
Fexv	69.6490	6.3	5.09e-14	18.0	-0.18	
No id.	69.8730	...	3.50e-14	14.8	...	Siviii 69.825
Fexv	70.0540	6.3	2.90e-14	13.5	0.34	Fexv 69.9450, 69.9870
No id.	71.9110	...	1.99e-14	11.1	...	Mgix 71.901
S vii	72.0280	5.8	1.82e-14	10.6	0.60	Mgix 72.0280
Mgix	72.3120	6.0	3.48e-14	14.7	-0.12	
S vii	72.6630	5.8	1.50e-14	9.7	1.01	
S vii	72.8980	5.8	1.47e-14	9.5	0.87	
Fexv	73.4730	6.3	1.08e-14	8.2	-0.43	Neviii 73.4750
Neviii	73.5630	5.9	1.07e-14	8.1	0.19	Neviii 73.5650
Mgviii	74.8580	5.9	2.39e-14	11.9	0.10	
Mgviii	75.0440	5.9	3.01e-14	13.4	-0.02	Mgviii 75.0340
No id.	76.0310	...	1.96e-14	10.7	...	Fex 76.006
Mgix	77.7370	6.0	2.86e-14	12.8	-0.12	
No id.	77.8340	...	1.16e-14	8.1	...	
No id.	79.4950	...	1.23e-14	8.4	...	Fexii 79.488
No id.	80.5320	...	1.38e-14	8.7	...	Fexii 80.510
No id.	82.7000	...	2.92e-14	8.6	...	Fexii 82.744
No id.	83.5980	...	1.02e-14	7.3	...	Mgviii 83.587
Mgvii	83.9100	5.9	4.07e-15	4.6	-0.01	
No id.	83.9960	...	1.82e-14	9.7	...	Mgvii 84.025
No id.	86.8220	...	1.94e-14	10.1	...	Mgviii 86.847
Mgviii	87.0210	5.9	1.50e-14	8.8	0.47	
Neviii	88.0820	5.8	5.06e-14	16.2	0.06	Neviii 88.1190
No id.	91.8360	...	1.97e-14	10.2	...	Nix 91.790
No id.	94.0510	...	3.76e-14	13.9	...	Fex 94.012
No id.	96.0420	...	3.18e-14	12.5	...	Sivi 96.022
No id.	96.1430	...	3.22e-14	12.5	...	Fex 96.122
Nevii	97.4950	5.8	1.37e-14	8.0	0.27	
Neviii	98.1150	5.8	2.78e-14	11.4	0.06	
Neviii	98.2600	5.8	5.25e-14	15.6	0.08	
No id.	100.6000	...	2.42e-14	10.5	...	Mgviii 100.597
No id.	102.1000	...	6.31e-15	5.3	...	
Neviii	102.9110	5.8	1.41e-14	8.0	0.06	
Neviii	103.0850	5.8	2.40e-14	10.4	-0.01	
No id.	103.5740	...	3.38e-14	12.3	...	Feix 103.566
No id.	103.9370	...	1.42e-14	8.0	...	
No id.	105.2350	...	2.57e-14	10.8	...	Feix 105.208
No id.	111.2550	...	1.93e-14	9.4	...	Cax 111.198
No id.	113.7970	...	1.52e-14	8.3	...	Feviii 113.763
O vi	115.8210	5.5	1.34e-14	7.9	0.32	O vi 115.8300
Nevii	116.6930	5.8	1.13e-14	7.2	-0.00	
No id.	127.7000	...	1.45e-14	6.5	...	Nevii 127.663
Feviii	130.9410	5.7	1.23e-14	6.0	-0.03	
No id.	131.2800	...	2.32e-14	8.2	...	Feviii 131.24
No id.	148.4290	...	1.36e-13	20.3	...	Nixi 148.402
O vi	150.0890	5.5	7.13e-14	14.7	0.43	O vi 150.1250
Nixii	152.1540	6.2	7.13e-14	14.7	0.01	
Nixii	154.1620	6.2	3.60e-14	10.4	0.02	
Nixiii	157.7290	6.2	3.11e-14	9.5	-0.10	Nixii 157.8130
No id.	158.4290	...	2.20e-14	8.0	...	Nix 158.377
No id.	160.0590	...	2.26e-14	7.9	...	Nix 159.977
Nixii	160.5550	6.2	1.75e-14	6.9	0.06	
No id.	167.5560	...	4.32e-14	9.7	...	Feviii 167.486
No id.	168.2090	...	6.75e-14	11.8	...	Feviii 168.172
Feix	171.0730	5.9	8.75e-13	29.7	-0.17	

[a] Line fluxes (in erg cm^{-2} s^{-1}) measured in Chandra/LETG Procyon summed spectra. log $T_{\rm max}$ indicates the maximum temperature (K) of formation of the line (unweighted by the EMD). "Ratio" is the log ($F_{\rm obs}/F_{\rm pred}$) of the line. Blends amounting to more than 5% of the total flux for each line are indicated. For some lines not identified in APED, a tentative identification is suggested in the "Blends" column based on kelly.

Table 5. Chandra/LETG line fluxes of ϵ Eri[a]

Ion	$\lambda_{\rm model}$	log $T_{\rm max}$	$F_{\rm obs}$	S/N	ratio	Blends
Sixiii	6.6479	7.0	4.57e-14	8.0	-0.07	Sixiii 6.6882
Sixiii	6.7403	7.0	2.35e-14	5.7	-0.02	Sixiii 6.7388, 6.7432
Mgxii	8.4192	7.0	3.00e-14	6.8	-0.10	Mgxii 8.4246
Mgxi	9.1687	6.8	4.95e-14	8.4	-0.25	
Mgxi	9.2312	6.8	7.83e-14	10.5	0.12	Mgxi 9.3143
Nex	9.7080	6.8	1.65e-14	4.8	-0.00	Nex 9.7080, 9.7085, Fexix 9.6938
Nex	10.2385	6.8	3.31e-14	6.8	-0.17	Nex 10.2396
Fexvii	11.2540	6.8	4.85e-14	8.6	-0.01	Fexviii 11.3260
Fexviii	11.5270	6.9	4.99e-14	8.9	-0.05	Fexviii 11.5270, Neix 11.5440
Nex	12.1320	6.8	3.15e-13	22.8	0.14	Nex 12.1321
Fexxi	12.2840	7.0	7.90e-14	11.5	-0.08	Fexvii 12.2660
Nixix	12.4350	6.9	6.62e-14	10.6	0.06	Fexxi 12.3930
Fexx	12.5760	7.0	1.38e-14	4.9	0.26	Fexx 12.5760, Fexxi 12.5698
Fexxi	12.6490	7.0	1.20e-14	4.5	-0.04	Nixix 12.6560
No id.	12.7550	...	1.30e-14	4.8	...	Fexxii 12.7540
Fexx	12.8240	7.0	4.33e-14	8.7	-0.17	Fexx 12.8460, 12.8640
Fexx	12.9650	7.0	4.09e-14	8.5	0.24	Fexx 12.9120, 12.9920, Fexix 12.9330
Neix	13.4473	6.6	4.98e-13	30.6	0.07	Fexix 13.5180, Neix 13.5531
Neix	13.6990	6.6	2.01e-13	19.6	0.13	
Fexvii	13.8250	6.8	1.18e-13	15.1	0.03	Fexix 13.7458, 13.7950, Nixix 13.7790, Fexvii 13.8920
Fexviii	13.9530	6.9	3.45e-14	8.2	0.40	Fexix 13.9549, 13.9551, Fexx 13.9620
Nixix	14.0430	6.8	4.48e-14	9.4	-0.06	Fexxi 14.0080, Nixix 14.0770
Fexviii	14.2080	6.9	1.09e-13	14.7	-0.17	Fexviii 14.2080
Fexviii	14.2560	6.9	4.82e-14	9.8	0.09	Fexviii 14.2560, Fexx 14.2670
Fexviii	14.3430	6.9	9.73e-14	14.0	0.06	Fexviii 14.3730, 14.4250, 14.4392
Fexviii	14.5710	6.9	6.44e-14	11.6	0.09	Fexviii 14.5340, 14.6011
Fexix	14.6640	6.9	2.65e-14	7.5	0.26	Fexviii 14.6884
Fexvii	15.0140	6.7	6.12e-13	36.4	-0.05	
Fexvii	15.2610	6.7	3.56e-13	28.1	0.13	O viii 15.1760
Fexvii	15.4530	6.7	6.57e-14	12.0	0.36	Fexviii 15.4940
Fexviii	15.6250	6.8	3.52e-14	8.9	-0.05	
Fexviii	15.7590	6.8	1.35e-14	5.6	0.38	
Fexviii	15.8240	6.8	3.61e-14	9.1	-0.03	Fexviii 15.8700
Fexviii	15.9310	6.8	1.60e-14	6.0	0.24	
O viii	16.0055	6.5	1.75e-13	20.0	0.03	Fexviii 16.0040, O viii 16.0067
Fexviii	16.0710	6.8	9.38e-14	14.8	-0.00	Fexix 16.1100, Fexviii 16.1590
Fexvii	16.3500	6.7	1.93e-14	6.9	0.09	Fexviii 16.3200, Fexix 16.3414
Fexvii	16.7800	6.7	3.12e-13	27.5	0.01	
Fexvii	17.0510	6.7	8.11e-13	41.0	0.13	Fexvii 17.0960
O vii	18.6270	6.3	4.60e-14	10.5	-0.07	
Caxviii	18.7320	6.9	6.14e-15	3.8	-0.03	Caxviii 18.6910, Arxvi 18.6960
No id.	18.7870	...	9.36e-15	4.8	...	
O viii	18.9671	6.5	7.31e-13	42.4	-0.02	O viii 18.9725
N vii	20.9095	6.3	1.04e-14	4.2	-0.08	N vii 20.9106
Caxvii	21.1980	6.8	2.31e-14	6.3	0.27	
Caxvi	21.4500	6.7	9.30e-15	4.1	0.00	
O vii	21.6015	6.3	3.98e-13	26.6	-0.02	
No id.	21.7100	...	2.18e-14	6.2	...	
O vii	21.8036	6.3	8.64e-14	12.4	0.04	
No id.	22.0220	...	1.61e-14	5.4	...	
O vii	22.0977	6.3	2.64e-13	21.8	0.05	
S xiv	24.2850	6.5	1.89e-14	6.1	0.58	S xiv 24.2890
N vii	24.7792	6.3	8.76e-14	13.2	-0.02	N vii 24.7846
N vi	24.8980	6.2	1.14e-14	4.8	0.04	Arxvi 24.8540
Arxvi	24.9910	6.7	1.03e-14	4.5	-0.00	
C vi	28.4652	6.2	2.41e-14	7.2	-0.05	C vi 28.4663
N vi	28.7870	6.2	2.24e-14	6.9	-0.14	
N vi	29.0843	6.1	2.14e-14	6.7	0.41	
N vi	29.5347	6.1	1.45e-14	5.4	0.03	
S xiv	30.4270	6.5	3.95e-14	8.3	-0.28	S xiv 30.4690, Caxi 30.4710
No id.	32.2410	...	2.76e-14	7.6	...	
S xiv	32.4160	6.5	2.14e-14	6.7	0.05	
S xiv	32.5600	6.5	3.20e-14	8.1	-0.08	S xiv 32.5750
S xiv	33.5490	6.5	2.45e-14	7.1	0.13	
C vi	33.7342	6.1	1.76e-13	19.1	-0.01	C vi 33.7396
S xiii	35.6670	6.4	3.66e-14	8.8	-0.17	Caxi 35.6340, 35.7370
S xii	36.3980	6.4	3.44e-14	8.4	0.19	
S xiii	37.5980	6.4	1.81e-14	5.8	-0.09	
No id.	37.9500	...	3.67e-14	8.2	...	(Oviii 18.97, 2$^{\rm nd}$ order)
C v	40.2674	6.0	4.11e-14	6.7	0.29	S xi 40.2730
S xii	43.6510	6.4	9.55e-15	6.7	0.45	
Sixi	43.7630	6.2	2.48e-14	11.7	0.22	
Sixii	44.0190	6.3	3.54e-14	14.0	0.06	Mgx 44.0500, Sixi 44.0690
Sixii	44.1650	6.3	4.95e-14	16.6	0.06	Sixii 44.1780
Sixii	45.5210	6.3	1.05e-14	7.7	0.01	

Table 5. Chandra/LETG line fluxes of ϵ Eri continued.

Ion	$\lambda_{\rm model}$	log $T_{\rm max}$	$F_{\rm obs}$	S/N	ratio	Blends
Sixii	45.6910	6.3	1.98e-14	10.6	-0.02	
Arix	48.7390	6.1	6.69e-15	6.2	-0.01	Six 48.6760, 48.7890
Sixi	49.2220	6.2	3.08e-14	13.4	-0.09	Arix 49.1860, Fexvii 49.2623
Fexvi	50.3500	6.5	3.51e-14	14.2	0.27	Fexvii 50.3419
Six	50.5240	6.2	2.88e-14	12.7	0.10	Fexvi 50.5550
Six	50.7030	6.2	1.83e-14	10.0	-0.08	Six 50.6910
Sixi	52.2980	6.2	1.98e-14	7.1	-0.12	Sixi 52.2690
Fexv	52.9110	6.4	2.24e-14	7.6	0.32	
Fexv	53.1100	6.4	5.83e-15	3.9	0.21	
Fexvi	54.1420	6.5	2.97e-14	8.8	0.29	
Fexvi	54.7280	6.5	4.66e-14	11.0	0.19	Fexvi 54.7630
No id.	56.9000	...	2.61e-14	11.4	...	(Oviii 18.97, 3$^{\rm rd}$ order)
Mgx	57.8760	6.1	3.35e-14	12.8	0.09	Fexvii 57.9119, Mgx 57.9200
No id.	58.9500	...	1.45e-14	8.3	...	
Fexv	59.4050	6.3	2.19e-14	10.2	-0.07	
Fexvi	62.8790	6.5	2.21e-14	7.2	-0.20	
Mgx	63.1520	6.1	1.03e-14	4.9	-0.10	
Mgx	63.2950	6.1	2.59e-14	7.8	0.00	Mgx 63.3110
Fexvi	63.7190	6.5	5.73e-14	11.6	-0.10	
Fexv	63.9580	6.3	1.13e-14	5.1	0.07	
Mgx	65.6730	6.1	9.06e-15	6.5	0.07	Nex 65.6440
Mgx	65.8450	6.1	1.26e-14	7.8	-0.05	Neviii 65.8940
Fexvi	66.2630	6.5	1.93e-14	9.4	-0.10	
No id.	66.3200	...	1.45e-14	8.4	...	(Ovii 22.0977, 3$^{\rm rd}$ order)
Fexvi	66.3680	6.5	3.60e-14	13.0	-0.00	
Fexv	69.6490	6.3	3.78e-14	13.5	-0.25	
Fexv	70.0540	6.3	1.94e-14	9.7	0.24	Fexv 69.9450, 69.9870
No id.	71.9090	...	1.27e-14	5.3	...	Mgix 71.901
Mgix	72.3120	6.0	1.10e-14	4.9	0.23	
Fexv	73.4730	6.3	2.59e-14	11.0	0.00	Neviii 73.4750
No id.	76.51700	...	1.47e-14	8.1	...	Fexvi 76.51
Neviii	88.0820	5.8	4.25e-14	12.9	-0.07	Neviii 88.0820, 88.1190
Fexviii	93.9230	6.8	6.53e-14	16.0	-0.23	
Neviii	98.1150	5.8	1.44e-14	7.2	-0.01	
Neviii	98.2600	5.8	2.59e-14	9.6	-0.05	Neviii 98.2740
Fexix	101.5500	6.9	1.03e-14	6.0	-0.33	
Fexviii	103.9370	6.8	1.83e-14	8.0	-0.30	
Fexix	108.3700	...	1.70e-14	7.7	...	
Fexxii	117.1700	...	5.72e-15	4.5	...	
Fexx	121.8300	...	4.77e-15	3.9	...	
Fexx	132.8500	...	2.94e-14	8.2	...	
Caxii	141.0380	6.3	1.61e-14	4.8	-0.27	Caxii 141.0380
Feix	171.0730	5.9	1.45e-13	10.8	0.06	
Fex	174.5340	6.0	7.62e-14	7.3	-0.13	

[a] Line fluxes (in erg cm^{-2} s^{-1}) measured in Chandra/LETG ϵ Eri spectrum. log $T_{\rm max}$ indicates the maximum temperature (K) of formation of the line (unweighted by the EMD). "Ratio" is the log($F_{\rm obs}/F_{\rm pred}$) of the line. Blends amounting to more than 5% of the total flux for each line are indicated. The lines in the range $\lambda\lambda$108–133 were excluded from the fit due to suspected problems of calibration.

Table 6. Chandra/HETG line fluxes of λ And[a]

Ion	$\lambda_{\rm model}$	log $T_{\rm max}$	$F_{\rm obs}$	S/N	ratio	Blends
Arxvii	3.9491	7.3	2.09e-14	3.9	0.00	
S xvi	3.9908	7.4	9.47e-15	2.7	-0.13	S xvi 3.9920, Arxvii 3.9941, 3.9942, S xv 3.9980
S xvi	4.7274	7.4	1.84e-14	3.7	-0.09	S xvi 4.7328
S xv	5.0387	7.2	4.05e-14	5.5	-0.05	
S xv	5.0665	7.1	1.87e-14	3.7	0.23	S xv 5.0631
S xv	5.1015	7.2	2.37e-14	4.2	0.06	S xv 5.0983, 5.1025
Sixiv	5.2168	7.2	2.27e-14	3.9	0.01	Sixiv 5.2180
Sixiv	6.1804	7.2	1.47e-13	20.4	0.01	Sixiv 6.1858
Mgxii	6.5800	7.0	4.39e-15	4.2	-0.23	Fexxiv 6.5772, Mgxii 6.5802
Sixiii	6.6479	7.0	1.87e-13	25.7	-0.02	
Sixiii	6.6882	7.0	3.16e-14	10.5	-0.07	Sixiii 6.6850
No id.	6.7120	...	2.42e-15	3.3	...	
Sixiii	6.7403	7.0	1.23e-13	21.6	0.08	Mgxii 6.7378, Sixiii 6.7432
Mgxii	7.1058	7.0	4.53e-14	14.1	0.01	Mgxii 7.1069
Alxiii	7.1710	7.1	3.22e-14	12.0	-0.01	Fexxiv 7.1690, Alxiii 7.1764
Mgxi	7.4730	6.8	1.07e-14	7.0	0.04	
Alxii	7.7573	6.9	3.04e-14	11.4	0.22	
Mgxi	7.8503	6.8	2.94e-14	11.4	0.01	
Alxii	7.8721	6.9	1.04e-14	6.7	-0.12	Alxii 7.8721
Fexxiv	7.9857	7.3	1.56e-14	8.7	0.11	Fexxiv 7.9960
Fexxiii	8.3038	7.2	8.09e-15	6.3	-0.14	
Fexxiv	8.3761	7.3	5.79e-15	5.3	0.17	Fexx 8.3641
Mgxii	8.4192	7.0	3.33e-13	40.2	0.06	Mgxii 8.4246
Fexxi	8.5740	7.1	8.48e-15	5.6	-0.01	
Fexxii	8.9748	7.1	1.21e-14	6.9	-0.06	
Nixxvi	9.0603	7.4	1.33e-14	7.7	-0.02	Fexxii 9.0614, Fexx 9.0647, 9.0659, 9.0683
No id.	9.1300	...	1.15e-14	7.1	...	
Mgxi	9.1687	6.8	2.03e-13	30.0	0.02	
Fexxi	9.1944	7.1	1.69e-14	8.6	0.15	Fexx 9.1882, 9.1979, Mgxi 9.1927, 9.1938
No id.	9.2190	...	6.70e-15	5.4	...	Nex 9.215
Mgxi	9.2312	6.8	3.27e-14	12.0	-0.03	Mgxi 9.2282
Nixix	9.2540	6.9	7.45e-15	5.7	0.29	
No id.	9.2870	...	1.40e-14	7.8	...	Nex 9.291
Mgxi	9.3143	6.8	9.75e-14	20.6	0.09	
No id.	9.3600	...	1.16e-14	7.1	...	
Nixx	9.3850	7.0	4.18e-15	4.2	-0.29	Nixxvi 9.3853, Nixxv 9.3900, Fexxii 9.3933
Fexxi	9.4797	7.0	3.71e-14	12.6	-0.08	Nex 9.4807, 9.4809
Fexix	9.6937	6.9	1.75e-14	8.5	0.42	Fexix 9.6938
Nex	9.7080	6.8	5.33e-14	14.8	-0.06	Fexix 9.6938, Nex 9.7085
Nixix	9.9770	6.9	2.34e-14	9.6	-0.37	Nixxv 9.9700, Fexxi 9.9887, Fexx 9.9977, 10.0004, 10.0054
No id.	10.0200	...	1.89e-14	8.6	...	Naxi 10.0232, 10.0286
Fexx	10.0529	7.0	1.16e-14	6.7	0.03	
Fexx	10.1203	7.0	1.31e-14	7.1	-0.18	Nixix 10.1100, Fexix 10.1195, Fexvii 10.1210
Nex	10.2385	6.8	1.91e-13	26.9	0.12	Nex 10.2396
Fexxiv	10.6190	7.3	3.43e-14	11.0	-0.16	Fexix 10.6295
Fexix	10.6491	6.9	1.34e-14	6.8	-0.22	Fexix 10.6414
Fexxiv	10.6630	7.3	2.28e-14	8.9	-0.14	Fexvii 10.6570
Fexvii	10.7700	6.8	1.32e-14	6.7	-0.25	Neix 10.7650, Fexix 10.7650
Fexix	10.8160	6.9	2.17e-14	8.6	0.01	
Fexxiii	10.9810	7.2	3.23e-14	10.3	-0.16	
Neix	11.0010	6.6	1.55e-14	7.1	-0.03	Nixxii 10.9920, 10.9927, Fexix 11.0022
Fexxiv	11.0290	7.3	4.17e-14	11.7	-0.20	Fexxiii 11.0190, Fexvii 11.0260
No id.	11.1000	...	6.16e-15	4.4	...	
Fexvii	11.1310	6.8	1.20e-14	6.2	-0.28	Fexxii 11.1376
Fexxiv	11.1760	7.3	3.96e-14	11.1	-0.17	Fexxiv 11.1870
Fexvii	11.2540	6.8	1.89e-14	7.6	-0.35	Fexxiv 11.2680
Nixxii	11.3049	7.1	9.47e-15	5.4	-0.16	Fexviii 11.2930, Fexix 11.2980, Nixxi 11.3180
Fexviii	11.3260	6.9	2.64e-14	8.9	-0.13	Fexxiii 11.3360
Fexviii	11.4230	6.9	2.48e-14	8.4	-0.24	Fexxii 11.4270
Fexxiv	11.4320	7.3	2.79e-14	8.9	-0.00	
Fexxiii	11.4580	7.2	1.08e-14	5.6	0.06	
Fexxii	11.4900	7.1	1.30e-14	6.1	-0.19	
Fexviii	11.5270	6.9	2.62e-14	8.4	-0.06	
Neix	11.5440	6.6	3.90e-14	10.2	0.01	Fexviii 11.5740
Fexxiii	11.7360	7.2	6.52e-14	12.9	-0.16	
Fexxii	11.7700	7.1	6.53e-14	13.2	-0.19	
Fexxii	11.8020	7.1	1.94e-14	7.2	0.28	
Nixx	11.8320	7.0	1.69e-14	6.7	0.08	
Fexxii	11.9320	7.1	2.00e-14	7.3	0.07	
Fexxii	11.9770	7.1	2.44e-14	8.0	-0.11	Fexxi 11.9750
Nex	12.1321	6.8	8.32e-13	45.9	-0.06	Fexvii 12.1240, Nex 12.1375
Fexxiii	12.1610	7.2	2.79e-14	8.4	-0.26	
Fexxii	12.2100	7.1	2.48e-14	7.9	0.18	
Fexvii	12.2660	6.8	6.12e-14	12.3	-0.03	

Table 6. Chandra/LETG line fluxes of λ And continued.

Ion	$\lambda_{\rm model}$	log $T_{\rm max}$	$F_{\rm obs}$	S/N	ratio	Blends
Fexxi	12.2840	7.0	1.60e-13	19.8	0.01	
Fexxi	12.3930	7.0	3.89e-14	9.7	0.11	Fexxi 12.3940
Nixix	12.4350	6.9	4.83e-14	10.7	-0.34	Fexxi 12.4220, Fexxii 12.4311, 12.4318
Fexx	12.4680	7.0	1.52e-14	6.0	0.26	Fexxi 12.4687
Fexxi	12.4990	7.0	4.18e-14	9.9	0.21	Fexxi 12.4956
Fexxii	12.7540	7.1	3.33e-14	8.6	-0.04	
No id.	12.8100	...	6.88e-14	12.3	...	
Fexx	12.8240	7.0	1.66e-13	19.0	-0.29	Fexxi 12.8220, Fexx 12.8460, 12.8640
Fexx	12.9650	7.0	9.34e-14	14.1	-0.10	Fexx 12.9120, Fexix 12.9311, 12.9330, Fexxii 12.9530
Fexx	12.9920	7.0	1.56e-14	5.7	-0.19	
Fexix	13.0220	6.9	3.26e-14	8.2	0.05	Fexx 13.0240
Fexx	13.0610	7.0	3.61e-14	8.7	0.01	Fexx 13.0580
Fexx	13.1000	7.0	1.35e-14	5.2	-0.05	
Fexx	13.1530	7.0	4.54e-14	9.6	-0.09	Fexx 13.1370
Fexx	13.2740	7.0	5.72e-14	10.6	0.05	Fexx 13.2240, 13.2241, Fexxii 13.2360, Fexxi 13.2487, Nixx 13.2560, Fexix 13.2658
Nixx	13.3090	6.9	3.99e-14	8.8	0.04	Fexx 13.3017, 13.3089, Fexix 13.3191, Fexviii 13.3230, Nixx 13.3236
Fexx	13.3850	7.0	4.82e-14	9.6	0.03	Fexviii 13.3550, 13.3948
Fexx	13.4090	7.0	2.51e-14	6.9	0.27	Fexviii 13.4070
Fexix	13.4230	6.9	4.01e-14	8.7	0.19	Fexx 13.4181, Fexxi 13.4308
Neix	13.4473	6.6	2.84e-13	23.2	0.02	Fexix 13.4620
Fexxi	13.5070	7.0	9.92e-14	13.6	0.04	Fexix 13.4970
Fexix	13.5180	6.9	9.04e-14	13.0	-0.14	
Fexx	13.5350	7.0	3.75e-14	8.3	0.28	
Neix	13.5531	6.6	3.67e-14	8.2	-0.13	Fexix 13.5510, 13.5540, Fexx 13.5583
Fexix	13.6450	6.9	3.83e-14	8.1	0.18	Fexix 13.6481
Fexix	13.6828	6.9	5.86e-14	10.1	0.35	Fexix 13.6742, 13.6752, 13.6881, 13.6897
Neix	13.6990	6.6	1.10e-13	13.8	0.06	
Fexix	13.7950	6.9	1.35e-13	15.2	-0.08	Fexix 13.7315, 13.7458, 13.7590, Fexx 13.7670, Nixix 13.7790
Fexvii	13.8250	6.8	4.80e-14	9.0	0.02	
Fexix	13.8390	6.9	1.72e-14	5.4	-0.14	Fexx 13.8430
Fexviii	13.9530	6.9	2.93e-14	6.7	-0.08	Fexix 13.9549, 13.9551, Fexx 13.9620
Fexxi	14.0080	7.0	2.52e-14	6.5	0.00	
Nixix	14.0430	6.8	5.85e-14	9.8	0.24	
Nixix	14.0770	6.8	3.17e-14	7.2	0.02	
Fexviii	14.2080	6.9	1.80e-13	16.9	-0.18	
Fexviii	14.2560	6.9	8.16e-14	10.7	-0.04	Fexx 14.2670
Fexviii	14.3430	6.9	1.89e-14	4.8	-0.29	
Fexviii	14.3730	6.9	6.08e-14	8.5	-0.05	
Fexviii	14.5340	6.9	5.80e-14	8.4	0.06	
Fexviii	14.5710	6.9	7.69e-15	3.1	-0.54	Fexx 14.5617
Fexviii	14.6011	6.8	1.23e-14	3.8	-0.04	Fexviii 14.6006
Fexix	14.6640	6.9	4.63e-14	7.6	0.11	
Fexix	14.7250	6.9	1.93e-14	5.1	-0.05	Fexviii 14.7260
Fexx	14.7540	7.0	2.21e-14	5.7	0.02	
O viii	14.8205	6.5	3.51e-14	7.6	0.20	
Fexx	14.9703	7.0	3.77e-14	8.1	0.11	Fexix 14.9610
Fexvii	15.0140	6.7	2.95e-13	22.5	-0.26	
Fexx	15.0470	7.0	2.25e-14	6.2	0.27	
Fexix	15.0790	6.9	6.87e-14	10.8	0.23	
O viii	15.1760	6.5	6.76e-14	10.6	-0.08	O viii 15.1765, Fexix 15.1770
Fexix	15.1980	6.9	5.37e-14	9.5	0.20	
Fexvii	15.2610	6.7	1.33e-13	14.8	-0.07	
Fexvii	15.4530	6.7	2.93e-14	6.8	0.23	
Fexviii	15.6250	6.8	7.00e-14	10.4	0.03	
Fexviii	15.8240	6.8	5.04e-14	8.7	0.11	
Fexviii	15.8700	6.8	4.68e-14	8.3	0.32	
O viii	16.0055	6.5	2.37e-13	18.6	-0.11	Fexviii 16.0040, O viii 16.0067
Fexviii	16.0710	6.8	1.54e-13	14.9	0.25	
Fexix	16.1100	6.9	4.77e-14	8.3	-0.01	Fexviii 16.1127
Fexviii	16.1590	6.8	1.52e-14	4.7	-0.37	
Fexvii	16.2285	6.7	8.52e-15	3.5	0.24	
Fexix	16.2830	6.9	8.24e-15	3.4	-0.28	Fexviii 16.2882
Fexviii	16.3200	6.8	1.75e-14	5.0	0.26	
Fexvii	16.3500	6.7	1.57e-14	4.7	0.18	Fexix 16.3414
Fexvii	16.7800	6.7	1.74e-13	15.0	-0.12	
Fexvii	17.0510	6.7	2.41e-13	17.4	-0.01	
Fexvii	17.0960	6.7	2.25e-13	16.7	0.06	
Fexviii	17.6230	6.8	4.68e-14	7.1	-0.08	
O vii	18.6270	6.3	1.01e-14	3.1	-0.31	Arxvi 18.6240
Caxviii	18.6910	6.9	7.87e-15	2.7	-0.00	
O viii	18.9671	6.5	1.00e-12	29.4	-0.09	O viii 18.9725
O vii	21.6015	6.3	1.30e-13	8.2	0.03	
O vii	21.8036	6.3	1.01e-14	2.2	-0.22	
O vii	22.0977	6.3	7.63e-14	5.7	0.05	Caxvii 22.1140

[a] Line fluxes (in erg cm^{-2} s^{-1}) measured in Chandra/HETG λ And spectra. log $T_{\rm max}$ indicates the maximum temperature (K) of formation of the line (unweighted by the EMD). “Ratio” is the log($F_{\rm obs}/F_{\rm pred}$) of the line. Blends amounting to more than 5% of the total flux for each line are indicated.

Table 7. XMM/RGS line fluxes of V851 Cen[a]

Ion	$\lambda_{\rm model}$	log $T_{\rm max}$	$F_{\rm obs}$	S/N	ratio	Blends
Sixiii	6.6480	7.0	4.51e-14	3.1	-0.00	Sixiii 6.6882, 6.7403, Mgxii 6.7378
Mgxii	8.4192	7.0	9.90e-14	7.8	0.07	Mgxii 8.4246
Mgxi	9.1687	6.8	3.52e-14	4.8	-0.14	
Mgxi	9.2312	6.8	4.64e-14	4.1	0.10	Mgxi 9.3143, Nixxv 9.3400
Fexxi	9.4797	7.0	3.82e-14	4.2	0.27	Nex 9.4807, 9.4809
Nex	9.7080	6.8	2.29e-14	4.1	-0.20	Nex 9.7085
No id.	10.0200	...	4.41e-14	3.0	...	Naxi 10.0232, 10.0286
Nex	10.2385	6.8	8.14e-14	7.2	-0.06	Nex 10.2396
Fexxiv	10.6190	7.3	3.80e-14	3.2	0.02	Fexix 10.6414, 10.6491, Fexvii 10.6570, Fexxiv 10.6630
Fexvii	10.7700	6.8	3.44e-14	2.4	0.09	Nixxiii 10.7214, 10.8491, Neix 10.7650, Fexix 10.8160
Fexxiii	11.0190	7.2	4.97e-14	3.2	-0.07	Fexxiii 10.9810, Neix 11.0010, Fexxiv 11.0290
Fexxiv	11.1760	7.3	2.64e-14	4.8	-0.04	Fexvii 11.1310, Fexxiv 11.1870
Fexvii	11.2540	6.8	3.45e-14	2.9	0.25	Nixxii 11.2118, Fexxiv 11.2680, Fexxiii 11.2850, Nixxi 11.2908
Fexviii	11.4230	6.9	2.20e-14	2.2	-0.14	Fexxii 11.4270, Fexxiv 11.4320, Fexxiii 11.4580
Fexviii	11.5270	6.9	4.40e-14	3.8	0.03	Fexxii 11.4900, Nixix 11.5390, Neix 11.5440
Fexxii	11.7700	7.1	8.27e-14	6.0	-0.01	Fexxiii 11.7360
Nex	12.1320	6.8	4.99e-13	5.9	0.12	Nex 12.1321
Fexxi	12.2840	7.0	3.64e-14	3.2	-0.18	Fexvii 12.2660
Nixix	12.4350	6.9	3.97e-14	3.5	-0.17	Fexxi 12.3930, 12.4220, 12.4990
Fexx	12.8240	7.0	5.31e-14	5.2	-0.13	Fexxi 12.8220, Fexx 12.8460, 12.8640
Fexx	12.9650	7.0	4.00e-14	4.3	0.04	Fexx 12.9120, 12.9920, 13.0240,Fexix 12.9330, 13.0220, Fexxii 12.9530
Neix	13.4473	6.6	2.01e-13	13.3	0.12	
Fexix	13.5180	6.9	5.92e-14	6.9	-0.13	Fexix 13.4970, Fexxi 13.5070, Neix 13.5531
Neix	13.6990	6.6	8.12e-14	8.5	0.05	Fexix 13.6450, 13.7315, 13.7458
Fexix	13.7950	6.9	3.81e-14	4.2	-0.04	Fexx 13.7670, Nixix 13.7790, Fexvii 13.8250
Fexxi	14.0080	7.0	4.81e-14	5.7	0.07	Nixix 14.0430, 14.0770
Fexviii	14.2080	6.9	6.40e-14	6.6	-0.13	Fexviii 14.2080, Fexviii 14.2560, Fexx 14.2670
Fexviii	14.3730	6.9	3.16e-14	5.0	-0.15	Fexx 14.3318, Fexviii 14.3430, Fexviii 14.3430, Fexx 14.4207, Fexviii 14.4250, Fexviii 14.4392
Fexviii	14.5340	6.9	4.32e-14	4.3	0.24	Fexviii 14.4856, Fexviii 14.5056, Fexviii 14.5710, Fexviii 14.6011
O viii	14.8205	6.5	3.01e-14	4.6	0.31	Fexviii 14.7820, O viii 14.8207, Fexx 14.8276
Fexvii	15.0140	6.7	9.47e-14	10.6	-0.21	Fexix 15.0790
O viii	15.1760	6.5	5.19e-14	9.0	0.18	O viii 15.1765, Fexix 15.1980
Fexvii	15.2610	6.7	2.78e-14	4.4	-0.11	
Fexvii	15.4530	6.7	1.56e-14	3.8	0.25	Fexix 15.4136, Fexviii 15.4940, Fexx 15.5170, Fexviii 15.5199
Fexviii	15.6250	6.8	2.62e-14	4.6	0.23	
Fexviii	15.8700	6.8	2.02e-14	3.7	0.13	Fexviii 15.8240
O viii	16.0066	6.5	1.16e-13	10.3	-0.07	Fexviii 16.0040, O viii 16.0055, Fexviii 16.0710, Fexix 16.1100, Fexviii 16.1590
Fexvii	16.7800	6.7	3.85e-14	6.1	-0.15	
Fexvii	17.0510	6.7	1.02e-13	7.3	-0.01	Fexvii 17.0960
Fexviii	17.6230	6.8	6.16e-15	1.7	-0.34	
O vii	18.6270	6.3	1.83e-14	4.0	0.03	Caxviii 18.6910
O viii	18.9671	6.5	3.45e-13	27.5	-0.08	O viii 18.9725
Caxvi	21.4500	6.7	3.57e-15	2.2	-0.02	Caxvi 21.4410
O vii	21.6015	6.3	3.78e-14	4.2	-0.08	Caxvi 21.6100
O vii	22.0977	6.3	1.39e-14	2.2	-0.26	Caxvii 22.1140
Arxvi	23.5460	6.7	6.92e-15	1.4	0.09	Arxvi 23.5900, Caxvi 23.6260
N vii	24.7792	6.3	3.26e-14	7.4	0.00	N vii 24.7846, Arxvi 24.8540
Arxvi	24.9910	6.7	4.30e-15	1.4	-0.08	Arxvi 24.9910, Arxvi 25.0130, Arxv 25.0500
C vi	26.9896	6.2	2.70e-15	1.2	0.30	C vi 26.9901
C vi	28.4652	6.2	2.35e-15	1.8	-0.21	C vi 28.4663
C vi	33.7342	6.1	2.10e-14	4.6	-0.01	C vi 33.7396

[a] Line fluxes (in erg cm^{-2} s^{-1}) measured in XMM/RGS V851 Cen spectra. log $T_{\rm max}$ indicates the maximum temperature (K) of formation of the line (unweighted by the EMD). "Ratio" is the log($F_{\rm obs}/F_{\rm pred}$) of the line. Blends amounting to more than 5% of the total flux for each line are indicated.