

Predicted XUV Line Intensities  
CHIANTI database - Version 7.0

Calculated with Constant pressure= 1.00e+16 (cm<sup>-3</sup> K)  
900.2 to 1990.5 Å  
Number of lines: 507

Minimum intensity = 10.0000

Units are: erg cm<sup>-2</sup> sr<sup>-1</sup> s<sup>-1</sup>

Lines marked with a \* do not have correspondent observed energy levels  
and have approximate wavelengths.

Calculated: Tue Oct 25 11:37:18 2011

Ionization Fractions file: chianti.ioneq

ionization equilibrium: CHIANTI

produced as part of the CHIANTI atomic data base collaboration

K.P. Dere (GMU) Wed Dec 10 09:16:04 2008

Elemental Abundance file: sun\_photospheric\_grevesse07.abund

abundance: Grevesse N., Asplund, M. & Sauval A.J., 2007, Space Science  
Reviews, 130, 105

comment: These are the latest set of "standard abundances" produced by  
Grevesse  
and colleagues.

produced as part of the Arcetri/Cambridge/NRL 'CHIANTI' atomic data base  
collaboration

Peter Young - 19-Dec-2008

Minimum abundance = 3.98107e-08

Differential Emission Measure file: flare\_ext.dem

filename: flare.dem

dem: Dere, K.P., Cook, J.W., 1979, ApJ, 229, 772

comment: composite of August 9 1553 and 1554 UT data of an M2 X-ray class  
flare

comment: modifies at high temperature (7.3 to 8.0) by G.Del Zanna to  
calculate

the emissivities of the hottest ions.

produced as part of the Arcetri/Cambridge/NRL 'CHIANTI' atomic data base  
collaboration

K.P.Dere and G. Del Zanna - Aug 2002

Table 1: *Line List*

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
S III	900.2500	$3s^2 3p^2 \ ^1D_2 - 3s^2 3p 3d \ ^3F_3$	4.8	1.94e+03
Ar IV	900.3750	$3s^2 3p^3 \ ^2P_{1/2} - 3s 3p^4 \ ^2D_{3/2}$	5.1	3.70e+01
Ar IV	901.1670	$3s^2 3p^3 \ ^2P_{3/2} - 3s 3p^4 \ ^2D_{5/2}$	5.1	8.34e+01
Si II	901.7360	$3s^2 3p \ ^2P_{3/2} - 3s^2 6s \ ^2S_{1/2}$	4.5	7.42e+01
S III	902.5700	$3s^2 3p^2 \ ^1D_2 - 3s^2 3p 3d \ ^3F_2$	4.8	1.70e+03
C II	903.6250	$2s^2 2p \ ^2P_{1/2} - 2s 2p^2 \ ^2P_{3/2}$	4.6	2.66e+04
C II	903.9630	$2s^2 2p \ ^2P_{1/2} - 2s 2p^2 \ ^2P_{1/2}$	4.6	5.32e+04
C II	904.1430	$2s^2 2p \ ^2P_{3/2} - 2s 2p^2 \ ^2P_{3/2}$	4.6	1.33e+05
C II	904.4820	$2s^2 2p \ ^2P_{3/2} - 2s 2p^2 \ ^2P_{1/2}$	4.6	2.69e+04
Zn XXIII	905.4953	$2s^2 2p^4 \ ^3P_2 - 2s^2 2p^4 \ ^3P_0$	7.2	1.19e+01
S V	906.2450	$3s 3p \ ^3P_1 - 3p^2 \ ^1D_2$	5.2	4.71e+01
Ne VI	906.3650	$2s 2p^2 \ ^2P_{1/2} - 2p^3 \ ^2D_{3/2}$	5.6	1.13e+01
S II	906.8780	$3s^2 3p^3 \ ^4S_{3/2} - 3s^2 3p^2 \ (^3P) 4s \ ^4P_{5/2}$	4.5	2.34e+03
S II	910.4870	$3s^2 3p^3 \ ^4S_{3/2} - 3s^2 3p^2 \ (^3P) 4s \ ^4P_{3/2}$	4.5	9.97e+02
Ni XXIII	910.9140	$2s^2 2p^2 \ ^3P_0 - 2s^2 2p^2 \ ^3P_1$	7.2	4.75e+03
S V	912.5450	$3s 3p \ ^3P_2 - 3p^2 \ ^1D_2$	5.2	9.62e+01
S II	912.7380	$3s^2 3p^3 \ ^4S_{3/2} - 3s^2 3p^2 \ (^3P) 4s \ ^4P_{1/2}$	4.5	5.82e+02
S IV	913.3880	$3s 3p^2 \ ^2D_{5/2} - 3s 3p \ (^3P) 3d \ ^4F_{5/2}$	5.0	3.68e+01
Ne VI	913.7940	$2s 2p^2 \ ^2P_{3/2} - 2p^3 \ ^2D_{5/2}$	5.6	1.95e+01
S IV	914.5810	$3s 3p^2 \ ^2D_{3/2} - 3s 3p \ (^3P) 3d \ ^4F_{3/2}$	5.0	5.75e+01
N II	915.6130	$2s^2 2p^2 \ ^3P_0 - 2s 2p^3 \ ^3P_1$	4.6	2.87e+03
N II	915.9640	$2s^2 2p^2 \ ^3P_1 - 2s 2p^3 \ ^3P_0$	4.6	2.86e+03
N II	916.0130	$2s^2 2p^2 \ ^3P_1 - 2s 2p^3 \ ^3P_2$	4.6	3.54e+03
N II	916.0220	$2s^2 2p^2 \ ^3P_1 - 2s 2p^3 \ ^3P_1$	4.6	2.18e+03
N II	916.7030	$2s^2 2p^2 \ ^3P_2 - 2s 2p^3 \ ^3P_2$	4.6	1.08e+04
N II	916.7110	$2s^2 2p^2 \ ^3P_2 - 2s 2p^3 \ ^3P_1$	4.6	3.58e+03
O IV	921.2960	$2s 2p^2 \ ^2P_{1/2} - 2p^3 \ ^2P_{3/2}$	5.2	6.81e+01
O IV	921.3650	$2s 2p^2 \ ^2P_{1/2} - 2p^3 \ ^2P_{1/2}$	5.2	1.44e+02
N IV	921.9940	$2s 2p \ ^3P_1 - 2p^2 \ ^3P_2$	5.1	8.07e+03
N IV	922.5190	$2s 2p \ ^3P_0 - 2p^2 \ ^3P_1$	5.1	6.49e+03
N IV	923.0560	$2s 2p \ ^3P_1 - 2p^2 \ ^3P_1$	5.1	4.86e+03
N IV	923.2190	$2s 2p \ ^3P_2 - 2p^2 \ ^3P_2$	5.1	2.41e+04
O IV	923.3670	$2s 2p^2 \ ^2P_{3/2} - 2p^3 \ ^2P_{3/2}$	5.2	3.61e+02
O IV	923.4360	$2s 2p^2 \ ^2P_{3/2} - 2p^3 \ ^2P_{1/2}$	5.2	6.98e+01
N IV	923.6760	$2s 2p \ ^3P_1 - 2p^2 \ ^3P_0$	5.1	5.97e+03
S V	924.2220	$3s 3p \ ^1P_1 - 3p^2 \ ^1S_0$	5.2	8.15e+01
N IV	924.2840	$2s 2p \ ^3P_2 - 2p^2 \ ^3P_1$	5.1	8.05e+03
Co XX	929.9990	$2s^2 2p^4 \ ^3P_2 - 2s^2 2p^4 \ ^3P_1$	7.1	7.71e+01
S VI	933.3800	$3s \ ^2S_{1/2} - 3p \ ^2P_{3/2}$	5.3	7.17e+03
Al II	935.2740	$3s^2 \ ^1S_0 - 3s 4p \ ^1P_1$	4.5	7.65e+01
S II	937.4100	$3s^2 3p^3 \ ^2D_{3/2} - 3s^2 3p^2 \ (^1D) 4s \ ^2D_{5/2}$	4.5	5.83e+01
S II	937.4220	$3s^2 3p^3 \ ^2D_{3/2} - 3s^2 3p^2 \ (^1D) 4s \ ^2D_{3/2}$	4.5	4.44e+02
S II	937.6900	$3s^2 3p^3 \ ^2D_{5/2} - 3s^2 3p^2 \ (^1D) 4s \ ^2D_{5/2}$	4.5	6.65e+02
S II	937.7010	$3s^2 3p^3 \ ^2D_{5/2} - 3s^2 3p^2 \ (^1D) 4s \ ^2D_{3/2}$	4.5	3.60e+01
Ca XIV	943.5867	$2s^2 2p^3 \ ^4S_{3/2} - 2s^2 2p^3 \ ^2D_{3/2}$	6.7	7.52e+01
Si VIII	944.4670	$2s^2 2p^3 \ ^4S_{3/2} - 2s^2 2p^3 \ ^2P_{3/2}$	5.9	2.06e+02
S VI	944.5240	$3s \ ^2S_{1/2} - 3p \ ^2P_{1/2}$	5.3	3.59e+03
Si VIII	949.3540	$2s^2 2p^3 \ ^4S_{3/2} - 2s^2 2p^3 \ ^2P_{1/2}$	5.9	6.25e+01
H I	949.7450	$1s \ ^2S_{1/2} - 5p \ ^2P_{3/2}$	4.5	1.99e+04

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
H I	949.7450	$1s\ 2S_{1/2} - 5p\ 2P_{1/2}$	4.5	9.94e+03
Si IX	950.1566	$2s^2\ 2p^2\ 3P_1 - 2s^2\ 2p^2\ 1S_0$	6.1	5.52e+01
N IV	955.3340	$2s\ 2p\ 1P_1 - 2p^2\ 1S_0$	5.2	4.72e+02
Mg V *	962.1530	$2s^2\ 2p^3\ (2D)\ 3s\ 1D_2 - 2s^2\ 2p^3\ (2P)\ 3p\ 1D_2$	5.6	1.93e+01
O III	962.4250	$2s\ 2p^3\ 1D_2 - 2s^2\ 2p\ 3p\ 1P_1$	5.0	4.15e+02
S III	962.8260	$3s^2\ 3p^2\ 3P_1 - 3s^2\ 3p\ 3d\ 1D_2$	4.7	2.95e+01
O III	967.5400	$2s\ 2p^3\ 3S_1 - 2s^2\ 2p\ 3p\ 3P_2$	5.0	8.36e+01
O III	967.6700	$2s\ 2p^3\ 1P_1 - 2s^2\ 2p\ 3p\ 1S_0$	5.0	2.16e+02
S III	967.8080	$3s^2\ 3p^2\ 3P_2 - 3s^2\ 3p\ 3d\ 1D_2$	4.7	1.00e+01
O III	968.7640	$2s\ 2p^3\ 3S_1 - 2s^2\ 2p\ 3p\ 3P_1$	5.0	5.23e+01
O III	969.4410	$2s\ 2p^3\ 3S_1 - 2s^2\ 2p\ 3p\ 3P_0$	5.0	1.77e+01
H I	972.5380	$1s\ 2S_{1/2} - 4p\ 2P_{3/2}$	4.5	4.57e+04
H I	972.5390	$1s\ 2S_{1/2} - 4p\ 2P_{1/2}$	4.5	2.28e+04
Ne VII	973.3300	$2s\ 2p\ 1P_1 - 2p^2\ 1D_2$	5.7	2.22e+02
Fe XVIII	974.8602	$2s^2\ 2p^5\ 2P_{3/2} - 2s^2\ 2p^5\ 2P_{1/2}$	6.9	4.51e+04
C III	977.0200	$2s^2\ 1S_0 - 2s\ 2p\ 1P_1$	4.8	1.29e+06
Cr XIX	978.9830	$2s^2\ 2p^2\ 3P_2 - 2s^2\ 2p^2\ 1D_2$	6.9	2.63e+01
N III	979.7680	$2s\ 2p^2\ 2D_{5/2} - 2p^3\ 2D_{3/2}$	4.9	8.83e+01
N III	979.8320	$2s\ 2p^2\ 2D_{3/2} - 2p^3\ 2D_{3/2}$	4.9	7.69e+02
N III	979.9050	$2s\ 2p^2\ 2D_{5/2} - 2p^3\ 2D_{5/2}$	4.9	1.21e+03
N III	979.9690	$2s\ 2p^2\ 2D_{3/2} - 2p^3\ 2D_{5/2}$	4.9	8.73e+01
Na VI	988.6130	$2s^2\ 2p^2\ 3P_2 - 2s\ 2p^3\ 5S_2$	5.6	1.14e+01
N III	989.7990	$2s^2\ 2p\ 2P_{1/2} - 2s\ 2p^2\ 2D_{3/2}$	4.8	4.40e+04
Si II	989.8730	$3s^2\ 3p\ 2P_{1/2} - 3s^2\ 4d\ 2D_{3/2}$	4.5	7.59e+02
N III	991.5110	$2s^2\ 2p\ 2P_{3/2} - 2s\ 2p^2\ 2D_{3/2}$	4.8	8.60e+03
N III	991.5770	$2s^2\ 2p\ 2P_{3/2} - 2s\ 2p^2\ 2D_{5/2}$	4.8	7.76e+04
Ne VI	992.6360	$2s^2\ 2p\ 2P_{1/2} - 2s\ 2p^2\ 4P_{3/2}$	5.6	5.87e+01
Si II	992.6830	$3s^2\ 3p\ 2P_{3/2} - 3s^2\ 4d\ 2D_{5/2}$	4.5	1.37e+03
Si II	992.6960	$3s^2\ 3p\ 2P_{3/2} - 3s^2\ 4d\ 2D_{3/2}$	4.5	1.55e+02
Si III	993.5210	$3s\ 3p\ 3P_0 - 3s\ 4s\ 3S_1$	4.8	1.10e+03
Si III	994.7920	$3s\ 3p\ 3P_1 - 3s\ 4s\ 3S_1$	4.8	3.30e+03
S II	996.0090	$3s^2\ 3p^3\ 2D_{5/2} - 3s^2\ 3p^2\ (3P)\ 3d\ 2F_{7/2}$	4.5	1.67e+03
Ne VI	997.0310	$2s^2\ 2p\ 2P_{1/2} - 2s\ 2p^2\ 4P_{1/2}$	5.6	1.77e+02
Si III	997.3890	$3s\ 3p\ 3P_2 - 3s\ 4s\ 3S_1$	4.8	5.51e+03
Mg XI	997.4552	$1s\ 2s\ 3S_1 - 1s\ 2p\ 3P_2$	6.9	4.53e+02
Ne VI	999.1830	$2s^2\ 2p\ 2P_{3/2} - 2s\ 2p^2\ 4P_{5/2}$	5.6	9.48e+02
S II	1000.4880	$3s^2\ 3p^3\ 2D_{3/2} - 3s^2\ 3p^2\ (3P)\ 3d\ 2F_{5/2}$	4.5	1.13e+03
S II	1000.8060	$3s^2\ 3p^3\ 2D_{5/2} - 3s^2\ 3p^2\ (3P)\ 3d\ 2F_{5/2}$	4.5	5.89e+01
Ne VI	1005.6940	$2s^2\ 2p\ 2P_{3/2} - 2s\ 2p^2\ 4P_{3/2}$	5.6	5.27e+02
Mn XXI	1005.9170	$2s^2\ 2p\ 2P_{1/2} - 2s^2\ 2p\ 2P_{3/2}$	7.1	4.78e+02
N III	1005.9930	$2s\ 2p^2\ 2S_{1/2} - 2p^3\ 2P_{3/2}$	4.9	3.57e+01
N III	1006.0360	$2s\ 2p^2\ 2S_{1/2} - 2p^3\ 2P_{1/2}$	4.9	1.71e+01
S II	1006.0930	$3s^2\ 3p^3\ 2D_{5/2} - 3s^2\ 3p^2\ (3P)\ 3d\ 4D_{7/2}$	4.5	1.44e+03
S II	1006.2600	$3s^2\ 3p^3\ 2D_{3/2} - 3s^2\ 3p^2\ (3P)\ 3d\ 4D_{5/2}$	4.5	8.37e+02
S II	1006.5690	$3s^2\ 3p^3\ 2D_{3/2} - 3s^2\ 3p^2\ (3P)\ 3d\ 4D_{3/2}$	4.5	2.59e+01
S II	1006.5820	$3s^2\ 3p^3\ 2D_{5/2} - 3s^2\ 3p^2\ (3P)\ 3d\ 4D_{5/2}$	4.5	1.03e+02
S II	1006.8910	$3s^2\ 3p^3\ 2D_{5/2} - 3s^2\ 3p^2\ (3P)\ 3d\ 4D_{3/2}$	4.5	2.25e+02
S II	1006.9560	$3s^2\ 3p^3\ 2D_{3/2} - 3s^2\ 3p^2\ (3P)\ 3d\ 4D_{1/2}$	4.5	2.16e+02
C II	1009.8600	$2s\ 2p^2\ 4P_{1/2} - 2p^3\ 4S_{3/2}$	4.6	5.16e+03

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
C II	1010.0850	$2s 2p^2 \ ^4P_{3/2} - 2p^3 \ ^4S_{3/2}$	4.6	1.03e+04
Ne VI	1010.2050	$2s^2 2p \ ^2P_{3/2} - 2s 2p^2 \ ^4P_{1/2}$	5.6	1.57e+02
C II	1010.3730	$2s 2p^2 \ ^4P_{5/2} - 2p^3 \ ^4S_{3/2}$	4.6	1.55e+04
S III	1012.4940	$3s^2 3p^2 \ ^3P_0 - 3s 3p^3 \ ^3P_1$	4.7	2.16e+03
S III	1012.7670	$3s 3p^3 \ ^3D_1 - 3s^2 3p 4p \ ^1S_0$	4.8	1.58e+01
S II	1014.1120	$3s^2 3p^3 \ ^2D_{3/2} - 3s^2 3p^2 \ (^3P) 4s \ ^2P_{3/2}$	4.5	4.53e+01
S II	1014.4390	$3s^2 3p^3 \ ^2D_{5/2} - 3s^2 3p^2 \ (^3P) 4s \ ^2P_{3/2}$	4.5	6.45e+02
S III	1015.4980	$3s^2 3p^2 \ ^3P_1 - 3s 3p^3 \ ^3P_0$	4.7	1.76e+03
S III	1015.5630	$3s^2 3p^2 \ ^3P_1 - 3s 3p^3 \ ^3P_1$	4.7	1.69e+03
S III	1015.7770	$3s^2 3p^2 \ ^3P_1 - 3s 3p^3 \ ^3P_2$	4.7	3.20e+03
S II	1019.5300	$3s^2 3p^3 \ ^2D_{3/2} - 3s^2 3p^2 \ (^3P) 4s \ ^2P_{1/2}$	4.5	3.53e+02
Si II	1020.6990	$3s^2 3p \ ^2P_{1/2} - 3s^2 5s \ ^2S_{1/2}$	4.5	1.19e+02
S III	1021.1070	$3s^2 3p^2 \ ^3P_2 - 3s 3p^3 \ ^3P_1$	4.7	1.52e+03
S III	1021.3230	$3s^2 3p^2 \ ^3P_2 - 3s 3p^3 \ ^3P_2$	4.7	5.71e+03
Si II	1023.7000	$3s^2 3p \ ^2P_{3/2} - 3s^2 5s \ ^2S_{1/2}$	4.5	2.37e+02
H I	1025.7240	$1s \ ^2S_{1/2} - 3p \ ^2P_{3/2}$	4.5	1.73e+05
H I	1025.7250	$1s \ ^2S_{1/2} - 3p \ ^2P_{1/2}$	4.5	8.71e+04
Fe X	1028.0240	$3s^2 3p^4 \ (^3P) 3d \ ^4D_{7/2} - 3s^2 3p^4 \ (^1D) 3d \ ^2F_{7/2}$	6.1	1.87e+01
Fe XI	1028.9567	$3s^2 3p^3 \ (^4S) 3d \ ^5D_4 - 3s^2 3p^3 \ (^2P) 3d \ ^3F_4$	6.2	1.80e+01
S II	1030.8879	$3s^2 3p^3 \ ^2P_{1/2} - 3s^2 3p^2 \ (^1D) 4s \ ^2D_{3/2}$	4.5	4.52e+01
S II	1031.3710	$3s^2 3p^3 \ ^2P_{3/2} - 3s^2 3p^2 \ (^1D) 4s \ ^2D_{5/2}$	4.5	8.05e+01
O VI	1031.9138	$1s^2 2s \ ^2S_{1/2} - 1s^2 2p \ ^2P_{3/2}$	5.4	9.37e+04
Ni XIV	1034.6998	$3s^2 3p^3 \ ^4S_{3/2} - 3s^2 3p^3 \ ^2P_{3/2}$	6.4	1.43e+01
C II	1036.3390	$2s^2 2p \ ^2P_{1/2} - 2s 2p^2 \ ^2S_{1/2}$	4.6	3.67e+04
C II	1037.0200	$2s^2 2p \ ^2P_{3/2} - 2s 2p^2 \ ^2S_{1/2}$	4.6	7.30e+04
O VI	1037.6154	$1s^2 2s \ ^2S_{1/2} - 1s^2 2p \ ^2P_{1/2}$	5.4	4.67e+04
O III	1040.3199	$2s 2p^3 \ ^1P_1 - 2s^2 2p 3p \ ^1D_2$	5.0	6.08e+02
Mg XI	1043.2987	$1s 2s \ ^3S_1 - 1s 2p \ ^3P_0$	6.9	8.19e+01
S II	1045.7650	$3s^2 3p^3 \ ^2D_{5/2} - 3s^2 3p^2 \ (^3P) 3d \ ^4F_{7/2}$	4.5	1.15e+03
S II	1047.5560	$3s^2 3p^3 \ ^2D_{3/2} - 3s^2 3p^2 \ (^3P) 3d \ ^4F_{5/2}$	4.5	1.24e+02
S II	1047.9050	$3s^2 3p^3 \ ^2D_{5/2} - 3s^2 3p^2 \ (^3P) 3d \ ^4F_{5/2}$	4.5	6.09e+02
S II	1049.0551	$3s^2 3p^3 \ ^2D_{3/2} - 3s^2 3p^2 \ (^3P) 3d \ ^4F_{3/2}$	4.5	4.96e+02
Si VII	1049.1548	$2s^2 2p^4 \ ^3P_1 - 2s^2 2p^4 \ ^1S_0$	5.8	5.43e+01
S II	1049.4050	$3s^2 3p^3 \ ^2D_{5/2} - 3s^2 3p^2 \ (^3P) 3d \ ^4F_{3/2}$	4.5	4.76e+01
S II	1049.7720	$3s^2 3p^3 \ ^2P_{1/2} - 3s 3p^4 \ ^2S_{1/2}$	4.5	1.72e+02
S II	1050.2870	$3s^2 3p^3 \ ^2P_{3/2} - 3s 3p^4 \ ^2S_{1/2}$	4.5	2.83e+02
Ar XII	1054.6870	$2s^2 2p^3 \ ^4S_{3/2} - 2s^2 2p^3 \ ^2D_{3/2}$	6.4	1.84e+01
S IV	1062.6639	$3s^2 3p \ ^2P_{1/2} - 3s 3p^2 \ ^2D_{3/2}$	5.0	9.88e+03
Ar VII	1063.6040	$3s 3p \ ^1P_1 - 3p^2 \ ^1D_2$	5.6	2.62e+01
C II	1065.8929	$2s 2p^2 \ ^2D_{5/2} - 2p^3 \ ^2P_{3/2}$	4.7	3.47e+03
C II	1065.9220	$2s 2p^2 \ ^2D_{3/2} - 2p^3 \ ^2P_{3/2}$	4.7	3.97e+02
C II	1066.1350	$2s 2p^2 \ ^2D_{3/2} - 2p^3 \ ^2P_{1/2}$	4.7	1.93e+03
Si IV	1066.6160	$3d \ ^2D_{5/2} - 4f \ ^2F_{7/2}$	4.9	5.21e+01
Si IV	1066.6520	$3d \ ^2D_{3/2} - 4f \ ^2F_{5/2}$	4.9	3.79e+01
C III	1070.3311	$2s 2p \ ^3P_2 - 2p^2 \ ^1D_2$	4.8	1.53e+01
S IV	1072.9740	$3s^2 3p \ ^2P_{3/2} - 3s 3p^2 \ ^2D_{5/2}$	5.0	1.52e+04
S IV	1073.5179	$3s^2 3p \ ^2P_{3/2} - 3s 3p^2 \ ^2D_{3/2}$	5.0	1.50e+03
Ne III	1076.7130	$2s^2 2p^3 \ (^4S) 3s \ ^3S_1 - 2s^2 2p^3 \ (^2P) 3p \ ^3P_2$	5.1	1.39e+01
S III	1077.1730	$3s^2 3p^2 \ ^1D_2 - 3s^2 3p 3d \ ^1D_2$	4.7	9.40e+03

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Ni XXI	1077.3444	$2s^2 2p^4 \ ^3P_2 - 2s^2 2p^4 \ ^3P_0$	7.1	4.09e+02
Fe XXIII	1079.4143	$2s 2p \ ^3P_1 - 2s 2p \ ^3P_2$	7.2	9.95e+03
O V	1083.8280	$2s 3d \ ^3D_3 - 2p 3d \ ^3F_4$	5.4	2.54e+01
N II	1083.9919	$2s^2 2p^2 \ ^3P_0 - 2s 2p^3 \ ^3D_1$	4.6	7.21e+03
N II	1084.5640	$2s^2 2p^2 \ ^3P_1 - 2s 2p^3 \ ^3D_1$	4.6	5.32e+03
N II	1084.5820	$2s^2 2p^2 \ ^3P_1 - 2s 2p^3 \ ^3D_2$	4.6	1.63e+04
He II	1084.9100	$2p \ ^2P_{1/2} - 5d \ ^2D_{3/2}$	4.9	4.52e+02
He II	1084.9139	$2p \ ^2P_{1/2} - 5s \ ^2S_{1/2}$	4.9	1.91e+02
He II	1084.9150	$2s \ ^2S_{1/2} - 5p \ ^2P_{3/2}$	4.9	2.96e+02
He II	1084.9200	$2s \ ^2S_{1/2} - 5p \ ^2P_{1/2}$	4.9	1.48e+02
He II	1084.9771	$2p \ ^2P_{3/2} - 5d \ ^2D_{5/2}$	4.9	8.13e+02
He II	1084.9780	$2p \ ^2P_{3/2} - 5d \ ^2D_{3/2}$	4.9	9.03e+01
He II	1084.9821	$2p \ ^2P_{3/2} - 5s \ ^2S_{1/2}$	4.9	3.82e+02
N II	1085.5310	$2s^2 2p^2 \ ^3P_2 - 2s 2p^3 \ ^3D_1$	4.6	3.43e+02
N II	1085.5480	$2s^2 2p^2 \ ^3P_2 - 2s 2p^3 \ ^3D_2$	4.6	5.24e+03
N II	1085.7030	$2s^2 2p^2 \ ^3P_2 - 2s 2p^3 \ ^3D_3$	4.6	3.01e+04
S II	1096.5959	$3s^2 3p^3 \ ^2D_{3/2} - 3s^2 3p^2 \ (^3P) 3d \ ^2P_{1/2}$	4.5	7.86e+02
S IV	1098.3590	$3s 3p^2 \ ^2D_{3/2} - 3p^3 \ ^2D_{5/2}$	5.0	4.42e+01
Ca XV	1098.4203	$2s^2 2p^2 \ ^3P_1 - 2s^2 2p^2 \ ^1D_2$	6.7	3.68e+01
S IV	1098.9290	$3s 3p^2 \ ^2D_{5/2} - 3p^3 \ ^2D_{5/2}$	5.0	6.22e+02
S IV	1099.4800	$3s 3p^2 \ ^2D_{3/2} - 3p^3 \ ^2D_{3/2}$	5.0	3.82e+02
S IV	1100.0510	$3s 3p^2 \ ^2D_{5/2} - 3p^3 \ ^2D_{3/2}$	5.0	5.76e+01
S II	1101.9750	$3s^2 3p^3 \ ^2D_{3/2} - 3s^2 3p^2 \ (^3P) 3d \ ^2P_{3/2}$	4.5	3.66e+01
S II	1102.3621	$3s^2 3p^3 \ ^2D_{5/2} - 3s^2 3p^2 \ (^3P) 3d \ ^2P_{3/2}$	4.5	1.56e+03
Co XXII	1105.5850	$2s^2 2p^2 \ ^3P_0 - 2s^2 2p^2 \ ^3P_1$	7.1	1.75e+02
Si III	1108.3610	$3s 3p \ ^3P_0 - 3s 3d \ ^3D_1$	4.7	1.04e+04
S IV	1108.4510	$3s 3p^2 \ ^2S_{1/2} - 3s^2 4p \ ^2P_{3/2}$	5.0	2.94e+01
Si III	1109.9430	$3s 3p \ ^3P_1 - 3s 3d \ ^3D_1$	4.7	7.73e+03
Si III	1109.9720	$3s 3p \ ^3P_1 - 3s 3d \ ^3D_2$	4.7	2.22e+04
S IV	1111.0439	$3s 3p^2 \ ^2S_{1/2} - 3s^2 4p \ ^2P_{1/2}$	5.0	3.06e+01
Na X	1111.7721	$1s 2s \ ^3S_1 - 1s 2p \ ^3P_2$	6.8	1.03e+01
Si III	1113.1760	$3s 3p \ ^3P_2 - 3s 3d \ ^3D_1$	4.7	5.11e+02
Si III	1113.2061	$3s 3p \ ^3P_2 - 3s 3d \ ^3D_2$	4.7	7.34e+03
Si III	1113.2321	$3s 3p \ ^3P_2 - 3s 3d \ ^3D_3$	4.7	5.07e+04
S II	1115.1310	$3s^2 3p^3 \ ^2P_{1/2} - 3s^2 3p^2 \ (^3P) 3d \ ^4D_{3/2}$	4.5	1.49e+01
S II	1115.6071	$3s^2 3p^3 \ ^2P_{1/2} - 3s^2 3p^2 \ (^3P) 3d \ ^4D_{1/2}$	4.5	1.27e+01
S II	1115.7120	$3s^2 3p^3 \ ^2P_{3/2} - 3s^2 3p^2 \ (^3P) 3d \ ^4D_{3/2}$	4.5	1.17e+01
S IV	1117.1550	$3s^2 3d \ ^2D_{3/2} - 3s 3p \ (^3P) 3d \ ^2F_{5/2}$	5.1	4.18e+01
P V	1117.9790	$3s \ ^2S_{1/2} - 3p \ ^2P_{3/2}$	5.1	2.41e+02
Fe XIX	1118.0575	$2s^2 2p^4 \ ^3P_2 - 2s^2 2p^4 \ ^3P_1$	7.0	3.68e+04
Si V	1118.8101	$2p^5 3s \ ^3P_2 - 2p^5 3p \ ^3P_2$	5.5	1.01e+01
S III	1121.7570	$3s 3p^3 \ ^3D_2 - 3s^2 3p 4p \ ^3P_2$	4.8	3.92e+01
S III	1122.4200	$3s 3p^3 \ ^3D_3 - 3s^2 3p 4p \ ^3P_2$	4.8	1.91e+02
Si IV	1122.4871	$3p \ ^2P_{1/2} - 3d \ ^2D_{3/2}$	4.9	1.12e+03
S II	1124.3970	$3s^2 3p^3 \ ^2P_{1/2} - 3s^2 3p^2 \ (^3P) 4s \ ^2P_{3/2}$	4.5	3.78e+01
S II	1124.9880	$3s^2 3p^3 \ ^2P_{3/2} - 3s^2 3p^2 \ (^3P) 4s \ ^2P_{3/2}$	4.5	1.87e+02
S III	1126.5380	$3s 3p^3 \ ^3D_1 - 3s^2 3p 4p \ ^3P_1$	4.8	3.10e+01
S III	1126.8879	$3s 3p^3 \ ^3D_2 - 3s^2 3p 4p \ ^3P_1$	4.8	8.46e+01
P V	1128.0100	$3s \ ^2S_{1/2} - 3p \ ^2P_{1/2}$	5.1	1.21e+02

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Si IV	1128.3270	$3p^2 P_{3/2} - 3d^2 D_{3/2}$	4.9	2.20e+02
Si IV	1128.3420	$3p^2 P_{3/2} - 3d^2 D_{5/2}$	4.9	1.97e+03
S III	1128.5020	$3s 3p^3 ^3D_1 - 3s^2 3p 4p ^3P_0$	4.8	3.83e+01
S II	1131.0610	$3s^2 3p^3 ^2P_{1/2} - 3s^2 3p^2 (^3P) 4s ^2P_{1/2}$	4.5	6.45e+01
S II	1131.6591	$3s^2 3p^3 ^2P_{3/2} - 3s^2 3p^2 (^3P) 4s ^2P_{1/2}$	4.5	2.49e+01
Ca XIII	1133.7581	$2s^2 2p^4 ^3P_2 - 2s^2 2p^4 ^1D_2$	6.6	5.59e+01
N I	1134.1670	$2s^2 2p^3 ^4S_{3/2} - 2s 2p^4 ^4P_{1/2}$	4.5	2.75e+01
N I	1134.4170	$2s^2 2p^3 ^4S_{3/2} - 2s 2p^4 ^4P_{3/2}$	4.5	5.54e+01
N I	1134.9821	$2s^2 2p^3 ^4S_{3/2} - 2s 2p^4 ^4P_{5/2}$	4.5	8.31e+01
Ne V	1136.5081	$2s^2 2p^2 ^3P_1 - 2s 2p^3 ^5S_2$	5.4	3.45e+02
O III	1138.5350	$2s 2p^3 ^1P_1 - 2p^4 ^1D_2$	5.0	4.38e+01
Ne V	1145.5959	$2s^2 2p^2 ^3P_2 - 2s 2p^3 ^5S_2$	5.4	9.80e+02
O III	1149.6340	$2s 2p^3 ^3S_1 - 2p^4 ^3P_0$	5.0	1.02e+01
O III	1150.8840	$2s 2p^3 ^3S_1 - 2p^4 ^3P_1$	5.0	4.04e+01
Fe XVII	1153.1653	$2s^2 2p^5 3s ^1P_1 - 2s^2 2p^5 3s ^3P_0$	6.9	2.03e+02
O III	1153.7750	$2s 2p^3 ^3S_1 - 2p^4 ^3P_2$	5.0	6.45e+01
S III	1155.3929	$3s 3p^3 ^3D_3 - 3s^2 3p 4p ^3D_3$	4.8	1.97e+01
S II	1166.2939	$3s^2 3p^3 ^2P_{3/2} - 3s^2 3p^2 (^3P) 3d ^4F_{5/2}$	4.5	2.42e+02
S II	1167.5150	$3s^2 3p^3 ^2P_{1/2} - 3s^2 3p^2 (^3P) 3d ^4F_{3/2}$	4.5	1.05e+02
Mn XVII	1167.7629	$2s^2 2p^5 ^2P_{3/2} - 2s^2 2p^5 ^2P_{1/2}$	6.9	9.89e+01
S II	1168.1520	$3s^2 3p^3 ^2P_{3/2} - 3s^2 3p^2 (^3P) 3d ^4F_{3/2}$	4.5	3.20e+01
C IV	1168.8490	$1s^2 3d ^2D_{3/2} - 1s^2 4f ^2F_{5/2}$	5.1	1.96e+01
C IV	1168.9930	$1s^2 3d ^2D_{5/2} - 1s^2 4f ^2F_{7/2}$	5.1	2.61e+01
Al II	1169.8459	$3s^2 ^1S_0 - 3p^2 ^1D_2$	4.5	6.50e+01
C III	1174.9330	$2s 2p ^3P_1 - 2p^2 ^3P_2$	4.8	1.04e+05
C III	1175.2629	$2s 2p ^3P_0 - 2p^2 ^3P_1$	4.8	8.33e+04
C III	1175.5900	$2s 2p ^3P_1 - 2p^2 ^3P_1$	4.8	6.24e+04
C III	1175.7111	$2s 2p ^3P_2 - 2p^2 ^3P_2$	4.8	3.12e+05
C III	1175.9871	$2s 2p ^3P_1 - 2p^2 ^3P_0$	4.8	8.28e+04
C III	1176.3700	$2s 2p ^3P_2 - 2p^2 ^3P_1$	4.8	1.04e+05
N III	1182.9709	$2s 2p^2 ^2P_{1/2} - 2p^3 ^2P_{3/2}$	4.9	1.68e+01
N III	1183.0310	$2s 2p^2 ^2P_{1/2} - 2p^3 ^2P_{1/2}$	4.9	3.48e+01
N III	1184.5140	$2s 2p^2 ^2P_{3/2} - 2p^3 ^2P_{3/2}$	4.9	8.66e+01
N III	1184.5740	$2s 2p^2 ^2P_{3/2} - 2p^3 ^2P_{1/2}$	4.9	1.71e+01
Mg VII	1189.8669	$2s^2 2p^2 ^3P_1 - 2s^2 2p^2 ^1S_0$	5.8	3.43e+01
Mg VI	1190.1241	$2s^2 2p^3 ^4S_{3/2} - 2s^2 2p^3 ^2P_{3/2}$	5.7	4.80e+01
S III	1190.1990	$3s^2 3p^2 ^3P_0 - 3s 3p^3 ^3D_1$	4.7	4.05e+03
Si II	1190.4160	$3s^2 3p ^2P_{1/2} - 3s 3p^2 ^2P_{3/2}$	4.5	1.91e+03
Co XX	1190.5900	$2s^2 2p^4 ^3P_2 - 2s^2 2p^4 ^3P_0$	7.1	1.47e+01
Ni XXI	1191.0455	$2s^2 2p^4 ^3P_1 - 2s^2 2p^4 ^1D_2$	7.1	2.89e+01
Mg VI	1191.6700	$2s^2 2p^3 ^4S_{3/2} - 2s^2 2p^3 ^2P_{1/2}$	5.7	1.02e+01
Ne III *	1193.1150	$2s 2p^5 ^1P_1 - 2s^2 2p^3 (^2D) 3p ^3P_2$	5.1	1.05e+01
Si II	1193.2900	$3s^2 3p ^2P_{1/2} - 3s 3p^2 ^2P_{1/2}$	4.5	3.95e+03
S III	1194.0490	$3s^2 3p^2 ^3P_1 - 3s 3p^3 ^3D_2$	4.7	7.82e+03
S III	1194.4430	$3s^2 3p^2 ^3P_1 - 3s 3p^3 ^3D_1$	4.7	2.67e+03
Si II	1194.5000	$3s^2 3p ^2P_{3/2} - 3s 3p^2 ^2P_{3/2}$	4.5	9.81e+03
Si II	1197.3940	$3s^2 3p ^2P_{3/2} - 3s 3p^2 ^2P_{1/2}$	4.5	2.04e+03
S V	1199.1360	$3s^2 ^1S_0 - 3s 3p ^3P_1$	5.2	3.14e+03
N I	1199.5520	$2s^2 2p^3 ^4S_{3/2} - 2s^2 2p^2 3s ^4P_{5/2}$	4.5	1.42e+02

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
N I	1200.2260	$2s^2 2p^3 \ ^4S_{3/2} - 2s^2 2p^2 3s \ ^4P_{3/2}$	4.5	1.12e+02
N I	1200.7120	$2s^2 2p^3 \ ^4S_{3/2} - 2s^2 2p^2 3s \ ^4P_{1/2}$	4.5	4.04e+01
S III	1200.9611	$3s^2 3p^2 \ ^3P_2 - 3s 3p^3 \ ^3D_3$	4.7	1.58e+04
S III	1201.7200	$3s^2 3p^2 \ ^3P_2 - 3s 3p^3 \ ^3D_2$	4.7	2.00e+03
S III	1202.1190	$3s^2 3p^2 \ ^3P_2 - 3s 3p^3 \ ^3D_1$	4.7	1.37e+02
S II	1203.8650	$3s^2 3p^3 \ ^2D_{3/2} - 3s 3p^4 \ ^2D_{5/2}$	4.5	1.64e+02
S II	1204.2729	$3s^2 3p^3 \ ^2D_{3/2} - 3s 3p^4 \ ^2D_{3/2}$	4.5	1.59e+03
S II	1204.3260	$3s^2 3p^3 \ ^2D_{5/2} - 3s 3p^4 \ ^2D_{5/2}$	4.5	2.44e+03
S II	1204.7340	$3s^2 3p^3 \ ^2D_{5/2} - 3s 3p^4 \ ^2D_{3/2}$	4.5	1.29e+02
Cr XX	1205.7950	$2s^2 2p \ ^2P_{1/2} - 2s^2 2p \ ^2P_{3/2}$	7.1	7.31e+02
Si III	1206.5020	$3s^2 \ ^1S_0 - 3s 3p \ ^1P_1$	4.7	6.70e+05
Si III	1206.5570	$3s 3p \ ^1P_1 - 3s 3d \ ^1D_2$	4.8	1.02e+04
S X	1212.9320	$2s^2 2p^3 \ ^4S_{3/2} - 2s^2 2p^3 \ ^2D_{3/2}$	6.2	7.23e+01
He II	1215.0900	$2p \ ^2P_{1/2} - 4d \ ^2D_{3/2}$	4.9	1.36e+03
He II	1215.0970	$2s \ ^2S_{1/2} - 4p \ ^2P_{3/2}$	4.9	6.75e+02
He II	1215.1000	$2p \ ^2P_{1/2} - 4s \ ^2S_{1/2}$	4.9	5.10e+02
He II	1215.1080	$2s \ ^2S_{1/2} - 4p \ ^2P_{1/2}$	4.9	3.37e+02
He II	1215.1730	$2p \ ^2P_{3/2} - 4d \ ^2D_{5/2}$	4.9	2.45e+03
He II	1215.1770	$2p \ ^2P_{3/2} - 4d \ ^2D_{3/2}$	4.9	2.73e+02
He II	1215.1870	$2p \ ^2P_{3/2} - 4s \ ^2S_{1/2}$	4.9	1.02e+03
H I	1215.6700	$1s \ ^2S_{1/2} - 2p \ ^2P_{3/2}$	4.5	8.89e+05
H I	1215.6760	$1s \ ^2S_{1/2} - 2p \ ^2P_{1/2}$	4.5	4.52e+05
Fe XIII	1216.4303	$3s^2 3p^2 \ ^3P_1 - 3s^2 3p^2 \ ^1S_0$	6.2	1.13e+02
O V	1218.3440	$2s^2 \ ^1S_0 - 2s 2p \ ^3P_1$	5.3	3.78e+04
S II	1226.7020	$3s^2 3p^3 \ ^2P_{1/2} - 3s^2 3p^2 \ (^3P) 3d \ ^2P_{1/2}$	4.5	4.88e+01
S II	1227.4050	$3s^2 3p^3 \ ^2P_{3/2} - 3s^2 3p^2 \ (^3P) 3d \ ^2P_{1/2}$	4.5	2.25e+01
S II	1233.4380	$3s^2 3p^3 \ ^2P_{1/2} - 3s^2 3p^2 \ (^3P) 3d \ ^2P_{3/2}$	4.5	2.22e+01
S II	1234.1490	$3s^2 3p^3 \ ^2P_{3/2} - 3s^2 3p^2 \ (^3P) 3d \ ^2P_{3/2}$	4.5	1.45e+02
N V	1238.8230	$1s^2 2s \ ^2S_{1/2} - 1s^2 2p \ ^2P_{3/2}$	5.2	2.50e+04
Fe XII	1242.0050	$3s^2 3p^3 \ ^4S_{3/2} - 3s^2 3p^3 \ ^2P_{3/2}$	6.2	2.20e+02
O III	1242.2910	$2s 2p^3 \ ^1P_1 - 2s^2 2p 3p \ ^1P_1$	5.0	2.25e+01
N V	1242.8060	$1s^2 2s \ ^2S_{1/2} - 1s^2 2p \ ^2P_{1/2}$	5.2	1.25e+04
C III	1247.3831	$2s 2p \ ^1P_1 - 2p^2 \ ^1S_0$	4.9	2.73e+03
Ne IX	1248.2859	$1s 2s \ ^3S_1 - 1s 2p \ ^3P_2$	6.8	2.03e+02
S II	1250.5870	$3s^2 3p^3 \ ^4S_{3/2} - 3s 3p^4 \ ^4P_{1/2}$	4.5	1.48e+03
Si V	1251.3929	$2p^5 3s \ ^3P_2 - 2p^5 3p \ ^3D_3$	5.5	3.97e+01
S IV	1251.6410	$3s 3p^2 \ ^2P_{1/2} - 3s^2 4p \ ^2P_{1/2}$	5.0	2.20e+01
S II	1253.8130	$3s^2 3p^3 \ ^4S_{3/2} - 3s 3p^4 \ ^4P_{3/2}$	4.5	2.99e+03
Ne III	1255.0170	$2s^2 2p^3 \ (^4S) 3s \ ^3S_1 - 2s^2 2p^3 \ (^2D) 3p \ ^1D_2$	5.1	1.73e+01
S IV	1258.1801	$3s 3p^2 \ ^2P_{3/2} - 3s^2 4p \ ^2P_{3/2}$	5.0	2.13e+01
Fe XIX	1259.2737	$2s^2 2p^4 \ ^3P_1 - 2s^2 2p^4 \ ^1D_2$	7.0	6.83e+02
S II	1259.5210	$3s^2 3p^3 \ ^4S_{3/2} - 3s 3p^4 \ ^4P_{5/2}$	4.5	4.54e+03
Si II	1260.4220	$3s^2 3p \ ^2P_{1/2} - 3s^2 3d \ ^2D_{3/2}$	4.5	6.40e+03
Si II	1264.7380	$3s^2 3p \ ^2P_{3/2} - 3s^2 3d \ ^2D_{5/2}$	4.5	1.14e+04
Si II	1265.0020	$3s^2 3p \ ^2P_{3/2} - 3s^2 3d \ ^2D_{3/2}$	4.5	1.19e+03
Fe VI	1272.0680	$3d^2 \ (^3F) 4s \ ^4F_{9/2} - 3d^2 \ (^3F) 4p \ ^4G_{11/2}$	5.2	1.11e+01
Si V	1276.0110	$2p^5 3s \ ^3P_1 - 2p^5 3p \ ^3D_2$	5.5	1.04e+01
Ne IX	1277.7045	$1s 2s \ ^3S_1 - 1s 2p \ ^3P_0$	6.8	4.11e+01
S IV	1286.0630	$3s 3p^2 \ ^2P_{1/2} - 3p^3 \ ^2P_{1/2}$	5.1	5.24e+01

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Mn XXII	1293.1620	$2s\ 2p\ ^3P_1 - 2s\ 2p\ ^3P_2$	7.1	2.50e+01
Si III	1294.5480	$3s\ 3p\ ^3P_1 - 3p^2\ ^3P_2$	4.7	1.41e+04
S IV	1296.4969	$3s\ 3p^2\ ^2P_{3/2} - 3p^3\ ^2P_{1/2}$	5.1	2.45e+01
S IV	1296.6610	$3s\ 3p^2\ ^2P_{3/2} - 3p^3\ ^2P_{3/2}$	5.1	3.08e+01
Si III	1296.7280	$3s\ 3p\ ^3P_0 - 3p^2\ ^3P_1$	4.7	1.13e+04
Si III	1298.8940	$3s\ 3p\ ^3P_1 - 3p^2\ ^3P_1$	4.7	8.44e+03
Si III	1298.9480	$3s\ 3p\ ^3P_2 - 3p^2\ ^3P_2$	4.7	4.20e+04
Si III	1301.1510	$3s\ 3p\ ^3P_1 - 3p^2\ ^3P_0$	4.7	9.63e+03
O I	1302.1689	$2s^2\ 2p^4\ ^3P_2 - 2s^2\ 2p^3\ (^4S)\ 3s\ ^3S_1$	4.5	2.18e+02
Si III	1303.3250	$3s\ 3p\ ^3P_2 - 3p^2\ ^3P_1$	4.7	1.39e+04
Si II	1304.3700	$3s^2\ 3p\ ^2P_{1/2} - 3s\ 3p^2\ ^2S_{1/2}$	4.5	1.54e+03
O I	1304.8580	$2s^2\ 2p^4\ ^3P_1 - 2s^2\ 2p^3\ (^4S)\ 3s\ ^3S_1$	4.5	1.29e+02
O I	1306.0291	$2s^2\ 2p^4\ ^3P_0 - 2s^2\ 2p^3\ (^4S)\ 3s\ ^3S_1$	4.5	4.30e+01
C III	1308.7050	$2p^2\ ^1S_0 - 2s\ 3p\ ^1P_1$	4.9	1.07e+01
Si II	1309.2760	$3s^2\ 3p\ ^2P_{3/2} - 3s\ 3p^2\ ^2S_{1/2}$	4.5	2.68e+03
Si III	1312.5930	$3s\ 3p\ ^1P_1 - 3s\ 4s\ ^1S_0$	4.8	4.66e+03
C II	1323.8640	$2s\ 2p^2\ ^2D_{5/2} - 2p^3\ ^2D_{3/2}$	4.6	3.88e+02
C II	1323.9080	$2s\ 2p^2\ ^2D_{3/2} - 2p^3\ ^2D_{3/2}$	4.6	3.45e+03
C II	1323.9540	$2s\ 2p^2\ ^2D_{5/2} - 2p^3\ ^2D_{5/2}$	4.6	5.38e+03
C II	1323.9980	$2s\ 2p^2\ ^2D_{3/2} - 2p^3\ ^2D_{5/2}$	4.6	3.86e+02
Mg V	1324.4330	$2s^2\ 2p^4\ ^3P_1 - 2s^2\ 2p^4\ ^1S_0$	5.4	2.77e+01
S III	1328.1580	$3s\ 3p^3\ ^3P_2 - 3s^2\ 3p\ 4p\ ^3S_1$	4.8	3.24e+01
S III	1328.5229	$3s\ 3p^3\ ^3P_1 - 3s^2\ 3p\ 4p\ ^3S_1$	4.8	2.46e+01
Fe XIX	1328.9061	$2s^2\ 2p^4\ ^3P_2 - 2s^2\ 2p^4\ ^3P_0$	7.0	4.65e+03
C II	1334.5350	$2s^2\ 2p\ ^2P_{1/2} - 2s\ 2p^2\ ^2D_{3/2}$	4.5	1.93e+05
C II	1335.6650	$2s^2\ 2p\ ^2P_{3/2} - 2s\ 2p^2\ ^2D_{3/2}$	4.5	3.84e+04
C II	1335.7100	$2s^2\ 2p\ ^2P_{3/2} - 2s\ 2p^2\ ^2D_{5/2}$	4.5	3.49e+05
O IV	1338.6140	$2s\ 2p^2\ ^2P_{1/2} - 2p^3\ ^2D_{3/2}$	5.2	2.04e+02
O IV	1342.9900	$2s\ 2p^2\ ^2P_{3/2} - 2p^3\ ^2D_{3/2}$	5.2	3.86e+01
S III	1343.2260	$3s\ 3p^3\ ^3P_2 - 3s^2\ 3p\ 4p\ ^3P_2$	4.8	2.48e+01
N II	1343.3400	$2s\ 2p^3\ ^3D_3 - 2s^2\ 2p\ 3p\ ^3D_3$	4.7	6.30e+01
O IV	1343.5140	$2s\ 2p^2\ ^2P_{3/2} - 2p^3\ ^2D_{5/2}$	5.2	3.40e+02
N II	1345.3149	$2s\ 2p^3\ ^3D_2 - 2s^2\ 2p\ 3p\ ^3D_2$	4.7	3.44e+01
N II	1346.4430	$2s\ 2p^3\ ^3D_1 - 2s^2\ 2p\ 3p\ ^3D_1$	4.7	2.23e+01
Fe XII	1349.4000	$3s^2\ 3p^3\ ^4S_{3/2} - 3s^2\ 3p^3\ ^2P_{1/2}$	6.2	1.03e+02
S III	1350.5890	$3s\ 3p^3\ ^3P_2 - 3s^2\ 3p\ 4p\ ^3P_1$	4.8	1.65e+01
Fe XXI	1354.0665	$2s^2\ 2p^2\ ^3P_0 - 2s^2\ 2p^2\ ^3P_1$	7.1	1.06e+05
Mn XVIII	1355.0160	$2s^2\ 2p^4\ ^3P_2 - 2s^2\ 2p^4\ ^3P_1$	6.9	1.23e+02
O I	1355.5980	$2s^2\ 2p^4\ ^3P_2 - 2s^2\ 2p^3\ (^4S)\ 3s\ ^5S_2$	4.5	1.01e+02
O I	1358.5120	$2s^2\ 2p^4\ ^3P_1 - 2s^2\ 2p^3\ (^4S)\ 3s\ ^5S_2$	4.5	2.88e+01
S II	1363.0330	$3s^2\ 3p^3\ ^2P_{1/2} - 3s\ 3p^4\ ^2D_{3/2}$	4.5	1.14e+02
S II	1363.3790	$3s^2\ 3p^3\ ^2P_{3/2} - 3s\ 3p^4\ ^2D_{5/2}$	4.5	2.26e+02
S II	1363.9020	$3s^2\ 3p^3\ ^2P_{3/2} - 3s\ 3p^4\ ^2D_{3/2}$	4.5	4.77e+01
O V	1371.2960	$2s\ 2p\ ^1P_1 - 2p^2\ ^1D_2$	5.3	6.19e+03
S III	1373.1570	$3s^2\ 3p\ 3d\ ^1D_2 - 3s^2\ 3p\ 4p\ ^1D_2$	4.8	1.19e+02
S III	1374.0800	$3s^2\ 3p^2\ ^1D_2 - 3s\ 3p^3\ ^3D_3$	4.7	1.09e+01
Ca XV	1375.9347	$2s^2\ 2p^2\ ^3P_2 - 2s^2\ 2p^2\ ^1D_2$	6.7	4.34e+01
Al III	1379.6720	$3p\ ^2P_{1/2} - 4s\ ^2S_{1/2}$	4.6	6.73e+01
C II	1383.9980	$2s\ 2p^2\ ^2S_{1/2} - 2p^3\ ^2P_{3/2}$	4.7	1.93e+02



Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Al III	1384.1350	$3p^2 P_{3/2} - 4s^2 S_{1/2}$	4.6	1.34e+02
C II	1384.3580	$2s 2p^2 ^2S_{1/2} - 2p^3 ^2P_{1/2}$	4.7	8.05e+01
Ar XI	1392.0980	$2s^2 2p^4 ^3P_2 - 2s^2 2p^4 ^1D_2$	6.3	1.18e+01
Si IV	1393.7570	$3s^2 S_{1/2} - 3p^2 P_{3/2}$	4.9	8.65e+04
O IV	1397.2310	$2s^2 2p^2 P_{1/2} - 2s 2p^2 ^4P_{3/2}$	5.2	7.96e+02
S IV	1398.0400	$3s^2 3p^2 P_{1/2} - 3s 3p^2 ^4P_{3/2}$	4.9	1.52e+02
O IV	1399.7800	$2s^2 2p^2 P_{1/2} - 2s 2p^2 ^4P_{1/2}$	5.1	8.90e+03
O IV	1401.1570	$2s^2 2p^2 P_{3/2} - 2s 2p^2 ^4P_{5/2}$	5.1	2.97e+04
Si IV	1402.7720	$3s^2 S_{1/2} - 3p^2 P_{1/2}$	4.9	4.35e+04
O IV	1404.8060	$2s^2 2p^2 P_{3/2} - 2s 2p^2 ^4P_{3/2}$	5.2	6.11e+03
S IV	1404.8080	$3s^2 3p^2 P_{1/2} - 3s 3p^2 ^4P_{1/2}$	4.9	1.42e+03
S IV	1406.0160	$3s^2 3p^2 P_{3/2} - 3s 3p^2 ^4P_{5/2}$	4.9	6.16e+03
O IV	1407.3820	$2s^2 2p^2 P_{3/2} - 2s 2p^2 ^4P_{1/2}$	5.1	8.69e+03
Cr XVI	1410.5990	$2s^2 2p^5 ^2P_{3/2} - 2s^2 2p^5 ^2P_{1/2}$	6.8	1.86e+02
Fe II	1412.8420	$3d^7 a4f^4 F_{9/2} - 3d^6 (^3D) 4p w4do ^4D_{7/2}$	4.5	1.14e+01
S IV	1416.8870	$3s^2 3p^2 P_{3/2} - 3s 3p^2 ^4P_{3/2}$	4.9	3.08e+03
Si III	1417.2400	$3s 3p^1 P_1 - 3p^2 ^1S_0$	4.8	1.51e+03
S IV	1423.8390	$3s^2 3p^2 P_{3/2} - 3s 3p^2 ^4P_{1/2}$	4.9	1.04e+03
Si III	1441.7310	$3s 3p^3 P_1 - 3p^2 ^1D_2$	4.7	3.01e+02
Si III	1447.1910	$3s 3p^3 P_2 - 3p^2 ^1D_2$	4.7	1.76e+02
Fe X	1463.4860	$3s^2 3p^4 (^3P) 3d^4 F_{9/2} - 3s^2 3p^4 (^1D) 3d^2 F_{7/2}$	6.1	1.46e+01
Si V	1465.5280	$2p^5 3s^3 P_2 - 2p^5 3p^3 S_1$	5.5	1.22e+01
Fe XI	1467.0699	$3s^2 3p^4 ^3P_1 - 3s^2 3p^4 ^1S_0$	6.2	9.83e+01
N IV	1486.4960	$2s^2 ^1S_0 - 2s 2p^3 P_1$	5.1	5.93e+03
N I	1492.6281	$2s^2 2p^3 ^2D_{5/2} - 2s^2 2p^2 3s^2 P_{3/2}$	4.5	1.17e+02
N I	1492.8220	$2s^2 2p^3 ^2D_{3/2} - 2s^2 2p^2 3s^2 P_{3/2}$	4.5	3.34e+01
N I	1494.6780	$2s^2 2p^3 ^2D_{3/2} - 2s^2 2p^2 3s^2 P_{1/2}$	4.5	1.07e+02
S V	1501.7660	$3s 3p^1 P_1 - 3p^2 ^1D_2$	5.2	1.30e+03
Mn XVIII	1503.6490	$2s^2 2p^4 ^3P_2 - 2s^2 2p^4 ^3P_0$	6.9	1.27e+01
Si II	1526.7070	$3s^2 3p^2 P_{1/2} - 3s^2 4s^2 S_{1/2}$	4.5	2.11e+03
Si II	1533.4310	$3s^2 3p^2 P_{3/2} - 3s^2 4s^2 S_{1/2}$	4.5	4.16e+03
C IV	1548.1890	$1s^2 2s^2 S_{1/2} - 1s^2 2p^2 P_{3/2}$	5.0	2.71e+05
C IV	1550.7750	$1s^2 2s^2 S_{1/2} - 1s^2 2p^2 P_{1/2}$	5.0	1.35e+05
Fe II	1559.0850	$3d^7 a4f^4 F_{9/2} - 3d^6 (^3G) 4p x4fo ^4F_{9/2}$	4.5	9.45e+01
Fe II	1560.2520	$3d^7 a4f^4 F_{7/2} - 3d^6 (^3G) 4p x4fo ^4F_{5/2}$	4.5	1.13e+01
Fe II	1563.7910	$3d^7 a4f^4 F_{7/2} - 3d^6 (^3G) 4p x4fo ^4F_{7/2}$	4.5	6.42e+01
Cr XXI	1564.9480	$2s 2p^3 P_1 - 2s 2p^3 P_2$	7.1	3.99e+01
Fe II	1569.6750	$3d^7 a4f^4 F_{9/2} - 3d^6 (^3G) 4p x4go ^4G_{11/2}$	4.5	2.62e+01
Fe II	1570.2440	$3d^7 a4f^4 F_{5/2} - 3d^6 (^3G) 4p x4fo ^4F_{5/2}$	4.5	4.26e+01
Fe II	1573.8280	$3d^7 a4f^4 F_{5/2} - 3d^6 (^3G) 4p x4fo ^4F_{7/2}$	4.5	1.10e+01
Fe II	1574.9220	$3d^7 a4f^4 F_{3/2} - 3d^6 (^3G) 4p x4fo ^4F_{3/2}$	4.5	3.25e+01
S III	1577.4440	$3s^2 3p 3d ^1D_2 - 3s^2 3p 4p ^1P_1$	4.8	1.71e+02
Fe II	1580.6290	$3d^7 a4f^4 F_{7/2} - 3d^6 (^3G) 4p x4go ^4G_{9/2}$	4.5	2.01e+01
Fe II	1584.9520	$3d^7 a4f^4 F_{5/2} - 3d^6 (^3G) 4p x4go ^4G_{7/2}$	4.5	1.48e+01
Fe XX	1586.2471	$2s^2 2p^3 ^2P_{1/2} - 2s^2 2p^3 ^2P_{3/2}$	7.1	8.47e+01
Ne III *	1586.9250	$2s^2 2p^3 (^2D) 3s ^1D_2 - 2s^2 2p^3 (^2P) 3p ^1D_2$	5.1	4.46e+01
Fe II	1588.2900	$3d^7 a4f^4 F_{3/2} - 3d^6 (^3G) 4p x4go ^4G_{5/2}$	4.5	1.08e+01
Ne IV	1601.4520	$2s^2 2p^3 ^4S_{3/2} - 2s^2 2p^3 ^2P_{3/2}$	5.2	1.12e+01
Al III	1605.7690	$3p^2 P_{1/2} - 3d^2 D_{3/2}$	4.6	1.97e+02

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Al III	1611.8170	$3p^2 P_{3/2} - 3d^2 D_{3/2}$	4.6	3.88e+01
Al III	1611.8760	$3p^2 P_{3/2} - 3d^2 D_{5/2}$	4.6	3.52e+02
Fe II	1612.8060	$3d^7 a4f^4 F_{9/2} - 3d^6 (^3F2) 4p y4g^4 G_{11/2}$	4.5	1.79e+01
S XI	1614.4946	$2s^2 2p^2 ^3P_1 - 2s^2 2p^2 ^1D_2$	6.3	3.03e+01
O VII	1623.6090	$1s 2s ^3S_1 - 1s 2p ^3P_2$	6.4	1.63e+02
S IV	1623.9430	$3s^2 3d^2 D_{5/2} - 3s^2 4p^2 P_{3/2}$	5.0	8.57e+01
Fe II	1625.5220	$3d^7 a4f^4 F_{7/2} - 3d^6 (^3F2) 4p y4g^4 G_{9/2}$	4.5	1.33e+01
S IV	1629.1550	$3s^2 3d^2 D_{3/2} - 3s^2 4p^2 P_{1/2}$	5.0	1.14e+02
Fe II	1637.3990	$3d^7 a4f^4 F_{9/2} - 3d^6 (^3F2) 4p x4d^4 D_{7/2}$	4.5	1.33e+01
O VII	1638.2812	$1s 2s ^3S_1 - 1s 2p ^3P_1$	6.4	1.15e+01
O VII	1639.8615	$1s 2s ^3S_1 - 1s 2p ^3P_0$	6.4	3.12e+01
He II	1640.3361	$2p^2 P_{1/2} - 3d^2 D_{3/2}$	4.9	6.88e+03
He II	1640.3480	$2s^2 S_{1/2} - 3p^2 P_{3/2}$	4.9	2.32e+03
He II	1640.3781	$2p^2 P_{1/2} - 3s^2 S_{1/2}$	4.9	3.18e+03
He II	1640.3940	$2s^2 S_{1/2} - 3p^2 P_{1/2}$	4.9	1.16e+03
He II	1640.4771	$2p^2 P_{3/2} - 3d^2 D_{5/2}$	4.9	1.24e+04
He II	1640.4930	$2p^2 P_{3/2} - 3d^2 D_{3/2}$	4.9	1.38e+03
He II	1640.5360	$2p^2 P_{3/2} - 3s^2 S_{1/2}$	4.9	6.35e+03
Cr XVII	1656.3177	$2s^2 2p^4 ^3P_2 - 2s^2 2p^4 ^3P_1$	6.9	1.58e+02
Zn XXV	1658.5980	$2s^2 2p^2 ^3P_1 - 2s^2 2p^2 ^3P_2$	7.2	1.37e+01
Fe II	1658.7720	$3d^7 a4f^4 F_{9/2} - 3d^6 (^3F2) 4p y4f^4 F_{9/2}$	4.5	3.38e+01
Fe II	1659.4821	$3d^7 a4f^4 F_{7/2} - 3d^6 (^3P2) 4p y4d^4 D_{5/2}$	4.5	3.09e+01
O III	1660.8090	$2s^2 2p^2 ^3P_1 - 2s 2p^3 ^5S_2$	4.9	4.64e+03
Fe II	1663.2220	$3d^7 a4f^4 F_{5/2} - 3d^6 (^3P2) 4p y4d^4 D_{3/2}$	4.5	1.91e+01
O III	1666.1500	$2s^2 2p^2 ^3P_2 - 2s 2p^3 ^5S_2$	4.9	1.36e+04
Fe II	1670.7460	$3d^7 a4f^4 F_{9/2} - 3d^6 (^3P2) 4p y4d^4 D_{7/2}$	4.5	4.30e+01
Al II	1670.7870	$3s^2 ^1S_0 - 3s 3p^1 P_1$	4.5	1.93e+04
Mn XX	1674.4000	$2s^2 2p^2 ^3P_0 - 2s^2 2p^2 ^3P_1$	7.1	4.16e+02
Fe II	1674.7159	$3d^7 a4f^4 F_{3/2} - 3d^6 (^3P2) 4p y4d^4 D_{1/2}$	4.5	1.26e+01
Fe II	1676.8560	$3d^7 a4f^4 F_{7/2} - 3d^6 (^3F2) 4p y4f^4 F_{7/2}$	4.5	2.23e+01
Fe II	1685.9540	$3d^7 a4f^4 F_{5/2} - 3d^6 (^3F2) 4p y4f^4 F_{5/2}$	4.5	1.46e+01
S IV	1687.9600	$3s^2 3d^2 D_{3/2} - 3p^3 ^2P_{1/2}$	5.1	3.90e+01
S IV	1688.6250	$3s^2 3d^2 D_{5/2} - 3p^3 ^2P_{3/2}$	5.1	1.86e+01
Fe II	1689.8320	$3d^7 a4p^4 P_{5/2} - 3d^6 (^3D) 4p w4do^4 D_{7/2}$	4.5	1.35e+01
Fe II	1691.2729	$3d^7 a4f^4 F_{3/2} - 3d^6 (^3F2) 4p y4f^4 F_{3/2}$	4.5	1.13e+01
Fe II	1702.0439	$3d^7 a4f^4 F_{9/2} - 3d^6 (^3H) 4p z4go^4 G_{11/2}$	4.5	1.17e+02
Si II	1704.9510	$3s 3p^2 ^2D_{3/2} - 3s^2 6p^2 P_{1/2}$	4.5	4.18e+01
Si II	1704.9850	$3s 3p^2 ^2D_{5/2} - 3s^2 6p^2 P_{3/2}$	4.5	7.43e+01
Fe II	1708.6219	$3d^7 a4f^4 F_{7/2} - 3d^6 (^3H) 4p z4go^4 G_{7/2}$	4.5	1.08e+01
Fe II	1709.6851	$3d^7 a4p^4 P_{5/2} - 3d^6 (^3D) 4p w4po^4 P_{5/2}$	4.5	1.56e+01
Fe II	1713.0000	$3d^7 a4f^4 F_{7/2} - 3d^6 (^3H) 4p z4go^4 G_{9/2}$	4.5	8.61e+01
S III	1713.1150	$3s^2 3p^2 ^3P_1 - 3s 3p^3 ^5S_2$	4.7	2.48e+03
S IX	1715.4130	$2s^2 2p^4 ^3P_2 - 2s^2 2p^4 ^1D_2$	6.1	4.23e+01
Ne V	1716.1820	$2s^2 2p 3s^1 P_1 - 2s^2 2p 3p^1 D_2$	5.4	1.62e+01
N IV	1718.5500	$2s 2p^1 P_1 - 2p^2 ^1D_2$	5.2	2.51e+03
Al II	1719.4420	$3s 3p^3 P_0 - 3s 3d^3 D_1$	4.5	6.76e+02
C II	1720.4590	$2s 2p^2 ^2P_{1/2} - 2p^3 ^2P_{3/2}$	4.7	9.87e+01
Fe II	1720.6130	$3d^7 a4f^4 F_{5/2} - 3d^6 (^3H) 4p z4go^4 G_{7/2}$	4.5	6.66e+01
C II	1721.0150	$2s 2p^2 ^2P_{1/2} - 2p^3 ^2P_{1/2}$	4.7	2.26e+02

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Al II	1721.2440	$3s\ 3p\ ^3P_1 - 3s\ 3d\ ^3D_1$	4.5	5.07e+02
Al II	1721.2710	$3s\ 3p\ ^3P_1 - 3s\ 3d\ ^3D_2$	4.5	1.51e+03
C II	1721.6851	$2s\ 2p^2\ ^2P_{3/2} - 2p^3\ ^2P_{3/2}$	4.7	5.47e+02
C II	1722.2419	$2s\ 2p^2\ ^2P_{3/2} - 2p^3\ ^2P_{1/2}$	4.7	1.07e+02
Si IV	1722.5300	$3d\ ^2D_{5/2} - 4p\ ^2P_{3/2}$	4.9	2.67e+01
Cr XVII	1722.6561	$2s^2\ 2p^4\ ^3P_2 - 2s^2\ 2p^4\ ^3P_0$	6.9	1.15e+01
Al II	1724.9220	$3s\ 3p\ ^3P_2 - 3s\ 3d\ ^3D_1$	4.5	3.38e+01
Al II	1724.9490	$3s\ 3p\ ^3P_2 - 3s\ 3d\ ^3D_2$	4.5	5.04e+02
Al II	1724.9821	$3s\ 3p\ ^3P_2 - 3s\ 3d\ ^3D_3$	4.5	2.87e+03
Fe II	1726.3920	$3d^7\ a4f\ ^4F_{3/2} - 3d^6\ (^3H)\ 4p\ z4go\ ^4G_{5/2}$	4.5	6.07e+01
Si IV	1727.3800	$3d\ ^2D_{3/2} - 4p\ ^2P_{1/2}$	4.9	2.09e+01
S III	1728.9490	$3s^2\ 3p^2\ ^3P_2 - 3s\ 3p^3\ ^5S_2$	4.7	6.81e+03
Mg II	1737.6281	$2p^6\ 3p\ ^2P_{3/2} - 2p^6\ 4d\ ^2D_{5/2}$	4.5	1.56e+01
N II	1740.3130	$2s\ 2p^3\ ^3P_2 - 2s^2\ 2p\ 3p\ ^3D_3$	4.7	7.19e+01
N I	1742.7230	$2s^2\ 2p^3\ ^2P_{1/2} - 2s^2\ 2p^2\ 3s\ ^2P_{3/2}$	4.5	2.02e+01
N I	1742.7340	$2s^2\ 2p^3\ ^2P_{3/2} - 2s^2\ 2p^2\ 3s\ ^2P_{3/2}$	4.5	1.00e+02
N II	1743.2010	$2s\ 2p^3\ ^3P_1 - 2s^2\ 2p\ 3p\ ^3D_2$	4.7	3.85e+01
N II	1743.2310	$2s\ 2p^3\ ^3P_2 - 2s^2\ 2p\ 3p\ ^3D_2$	4.7	1.27e+01
N II	1745.0490	$2s\ 2p^3\ ^3P_1 - 2s^2\ 2p\ 3p\ ^3D_1$	4.7	1.27e+01
N I	1745.2520	$2s^2\ 2p^3\ ^2P_{1/2} - 2s^2\ 2p^2\ 3s\ ^2P_{1/2}$	4.5	2.41e+01
N II	1745.2590	$2s\ 2p^3\ ^3P_0 - 2s^2\ 2p\ 3p\ ^3D_1$	4.7	1.71e+01
N I	1745.2629	$2s^2\ 2p^3\ ^2P_{3/2} - 2s^2\ 2p^2\ 3s\ ^2P_{1/2}$	4.5	1.16e+01
N III	1746.8230	$2s^2\ 2p\ ^2P_{1/2} - 2s\ 2p^2\ ^4P_{3/2}$	4.8	6.70e+01
N III	1747.8480	$2s\ 2p^2\ ^2P_{1/2} - 2p^3\ ^2D_{3/2}$	4.9	6.26e+01
N III	1748.6460	$2s^2\ 2p\ ^2P_{1/2} - 2s\ 2p^2\ ^4P_{1/2}$	4.8	1.26e+03
N III	1749.6740	$2s^2\ 2p\ ^2P_{3/2} - 2s\ 2p^2\ ^4P_{5/2}$	4.8	3.04e+03
N III	1751.2180	$2s\ 2p^2\ ^2P_{3/2} - 2p^3\ ^2D_{3/2}$	4.9	1.21e+01
N III	1751.6570	$2s\ 2p^2\ ^2P_{3/2} - 2p^3\ ^2D_{5/2}$	4.9	1.11e+02
N III	1752.1600	$2s^2\ 2p\ ^2P_{3/2} - 2s\ 2p^2\ ^4P_{3/2}$	4.8	4.63e+02
Mg II	1753.4740	$2p^6\ 3p\ ^2P_{3/2} - 2p^6\ 5s\ ^2S_{1/2}$	4.5	1.63e+01
N III	1753.9950	$2s^2\ 2p\ ^2P_{3/2} - 2s\ 2p^2\ ^4P_{1/2}$	4.8	1.30e+03
Al II	1760.1060	$3s\ 3p\ ^3P_1 - 3p^2\ ^3P_2$	4.5	6.43e+02
Al II	1761.9771	$3s\ 3p\ ^3P_0 - 3p^2\ ^3P_1$	4.5	5.13e+02
Al II	1763.8690	$3s\ 3p\ ^3P_1 - 3p^2\ ^3P_1$	4.5	3.81e+02
Al II	1763.9520	$3s\ 3p\ ^3P_2 - 3p^2\ ^3P_2$	4.5	1.90e+03
Al II	1765.8160	$3s\ 3p\ ^3P_1 - 3p^2\ ^3P_0$	4.5	4.99e+02
Al II	1767.7321	$3s\ 3p\ ^3P_2 - 3p^2\ ^3P_1$	4.5	6.35e+02
Ti XVIII	1778.0970	$2s^2\ 2p\ ^2P_{1/2} - 2s^2\ 2p\ ^2P_{3/2}$	6.9	7.37e+01
Si II	1808.0129	$3s^2\ 3p\ ^2P_{1/2} - 3s\ 3p^2\ ^2D_{3/2}$	4.5	1.24e+04
Si II	1816.9280	$3s^2\ 3p\ ^2P_{3/2} - 3s\ 3p^2\ ^2D_{5/2}$	4.5	2.08e+04
Si II	1817.4510	$3s^2\ 3p\ ^2P_{3/2} - 3s\ 3p^2\ ^2D_{3/2}$	4.5	1.66e+03
S XI	1826.1871	$2s^2\ 2p^2\ ^3P_2 - 2s^2\ 2p^2\ ^1D_2$	6.3	5.50e+01
Si III	1842.5500	$3p^2\ ^1D_2 - 3s\ 4p\ ^1P_1$	4.8	7.50e+02
Al III	1854.7200	$3s\ ^2S_{1/2} - 3p\ ^2P_{3/2}$	4.6	2.66e+04
Al II	1855.9260	$3s\ 3p\ ^3P_0 - 3s\ 4s\ ^3S_1$	4.5	1.35e+02
Al II	1858.0250	$3s\ 3p\ ^3P_1 - 3s\ 4s\ ^3S_1$	4.5	4.01e+02
Al II	1862.3110	$3s\ 3p\ ^3P_2 - 3s\ 4s\ ^3S_1$	4.5	6.61e+02
Al III	1862.7930	$3s\ ^2S_{1/2} - 3p\ ^2P_{1/2}$	4.6	1.34e+04
Ni XIV	1866.8239	$3s^2\ 3p^3\ ^4S_{3/2} - 3s^2\ 3p^3\ ^2D_{5/2}$	6.4	1.16e+01

Table 1: (continued)

Ion	$\lambda$ (Å)	Transition	$T_{\max}$	Int
Si II	1868.7660	$3s 3p^2 \ ^2D_{3/2} - 3s 3p \ (^3P) 3d \ ^2D_{5/2}$	4.5	5.32e+01
Si II	1869.3190	$3s 3p^2 \ ^2D_{5/2} - 3s 3p \ (^3P) 3d \ ^2D_{5/2}$	4.5	7.45e+02
Si II	1870.2300	$3s 3p^2 \ ^2D_{3/2} - 3s 3p \ (^3P) 3d \ ^2D_{3/2}$	4.5	4.76e+02
Si II	1870.7841	$3s 3p^2 \ ^2D_{5/2} - 3s 3p \ (^3P) 3d \ ^2D_{3/2}$	4.5	5.28e+01
Si III	1892.0330	$3s^2 \ ^1S_0 - 3s 3p \ ^3P_1$	4.6	1.15e+05
N VI	1896.7358	$1s 2s \ ^3S_1 - 1s 2p \ ^3P_2$	6.2	1.01e+01
C III	1908.7340	$2s^2 \ ^1S_0 - 2s 2p \ ^3P_1$	4.8	9.39e+03
Fe IX	1917.2108	$3s^2 3p^5 3d \ ^3P_2 - 3s^2 3p^5 3d \ ^1F_3$	5.9	1.88e+01
Ni XXIII	1917.6230	$2s^2 2p^2 \ ^3P_1 - 2s^2 2p^2 \ ^3P_2$	7.2	1.33e+03
Fe X	1918.2440	$3s^2 3p^4 \ (^3P) 3d \ ^4D_{7/2} - 3s^2 3p^4 \ (^3P) 3d \ ^2F_{7/2}$	6.1	1.33e+01
Ni XXII	1928.4950	$2s^2 2p^3 \ ^2D_{3/2} - 2s^2 2p^3 \ ^2D_{5/2}$	7.1	1.02e+02
Al II	1931.0500	$3s 3p \ ^1P_1 - 3p^2 \ ^1S_0$	4.5	5.14e+01
S IV	1944.1780	$3s 3p^2 \ ^2P_{1/2} - 3p^3 \ ^2D_{3/2}$	5.0	2.72e+01
S IV	1964.5360	$3s 3p^2 \ ^2P_{3/2} - 3p^3 \ ^2D_{5/2}$	5.0	4.53e+01
S II	1970.8831	$3s 3p^4 \ ^4P_{5/2} - 3s^2 3p^2 \ (^3P) 4p \ ^4P_{5/2}$	4.5	1.51e+01
Si IX	1984.8789	$2s^2 2p^2 \ ^3P_1 - 2s^2 2p^2 \ ^1D_2$	6.1	2.73e+01
Al II	1990.5330	$3s 3p \ ^1P_1 - 3s 3d \ ^1D_2$	4.5	2.56e+02