Predicted XUV Line Intensities
CHIANTI database - Version 10.0.2

Calculated with Constant pressure= 1.00e+16 (cm^{-3} K)
150.1 to 910.9 Å
Number of lines: 543
Minimum intensity = 1270.00
Units are: erg cm-2 sr-1 s-1
Lines marked with a * do not have correspondent observed energy levels and have approximate wavelengths.
Calculated: Wed Jun 8 14:42:45 2022

Ionization Fractions file: `chianti.ioneq`
ionization equilibrium: CHIANTI
produced as part of the CHIANTI atomic data base collaboration
Created on Fri Oct 9 11:46:20 2020

Elemental Abundance file: `sun_photospheric_2015_scott.abund`
created for the CHIANTI atomic database by Peter Young, 16-Aug-2017
abundances (F to Ca):
Scott et al., 2015, A&A, 573, A25
DOI: 10.1051/0004-6361/201424109
abundances (Sc to Ni):
Scott et al., 2015, A&A, 573, A26
DOI: 10.1051/0004-6361/201424110
abundances (Cu & Zn):
Grevesse et al., 2015, A&A, 573, A27
DOI: 10.1051/0004-6361/201424111
abundances (other elements):
Asplund, M., Grevesse, N., Sauval, A.J., & Scott, P. 2009, ARAA, 47, 481
DOI: 10.1146/annurev.astro.46.060407.145222
comment:
This updates the Asplund et al. (2009) results for elements F and higher. The changes
are mostly small.

Minimum abundance = 3.63078e-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

Calculation performed with population lookup tables.

Table 1: *Line List*

Ion	λ (Å)	Transition	T_{max}	Int
O VI	150.0890	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 3p\ ^2P_{3/2}$	5.5	2.09e+03
Fe XXII	151.5610	$1s^2\ 2s\ 2p^2\ ^2D_{3/2}$ - $1s^2\ 2p^3\ ^2D_{3/2}$	7.1	1.36e+03
Fe XIX	151.6070	$1s^2\ 2s^2\ 2p^4\ ^1S_0$ - $1s^2\ 2s\ 2p^5\ ^3P_1$	7.0	2.51e+03
Fe XXI	151.6720	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3D_1$	7.1	5.00e+03
Ni XII	152.1510	$3s^2\ 3p^5\ ^2P_{3/2}$ - $3s^2\ 3p^4\ 3d\ ^2D_{5/2}$	6.3	1.54e+03
Fe XXIII	154.3030	$2s\ 2p\ ^3P_1$ - $2p^2\ ^3P_1$	7.2	4.12e+03
Cr XX	156.0180	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2D_{3/2}$	7.1	8.27e+03
Fe XXII	156.0200	$1s^2\ 2s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 2s\ 2p^2\ ^2D_{5/2}$	7.1	2.40e+04
Ni XIII	157.7290	$3s^2\ 3p^4\ ^3P_2$ - $3s^2\ 3p^3\ (^4S)\ 3d\ ^3D_3$	6.3	1.61e+03
Ca XIII	161.7390	$2s^2\ 2p^4\ ^3P_2$ - $2s\ 2p^5\ ^3P_2$	6.6	1.80e+03
Fe XX	162.8150	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s\ 2p^4\ ^4P_{5/2}$	7.1	1.92e+04
Ca XVI	164.1660	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2P_{3/2}$	6.8	3.47e+03
Ni XXVI	165.4060	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{3/2}$	7.3	5.81e+04
Fe XXIII	166.6860	$2s\ 2p\ ^3P_2$ - $2p^2\ ^3P_2$	7.2	3.54e+03
Ca XVI	167.4370	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2P_{1/2}$	6.8	2.25e+03
Fe VIII	167.4860	$3s^2\ 3p^6\ 3d\ ^2D_{3/2}$ - $3s^2\ 3p^5\ 3d^2\ ^2D_{3/2}$	5.7	4.95e+03
Fe VIII	168.1720	$3s^2\ 3p^6\ 3d\ ^2D_{5/2}$ - $3s^2\ 3p^5\ 3d^2\ ^2D_{5/2}$	5.7	7.86e+03
Fe IX *	168.4100	$3s^2\ 3p^5\ 3d\ ^3F_4$ - $3s^2\ 3p^4\ 3d^2\ ^3F_4$	5.9	1.44e+03
Fe VIII	168.5440	$3s^2\ 3p^6\ 3d\ ^2D_{5/2}$ - $3s^2\ 3p^5\ 3d^2\ ^2P_{3/2}$	5.7	4.71e+03
Ca XVI	168.8680	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2S_{1/2}$	6.8	1.01e+04
Fe VIII	168.9290	$3s^2\ 3p^6\ 3d\ ^2D_{3/2}$ - $3s^2\ 3p^5\ 3d^2\ ^2P_{1/2}$	5.7	2.48e+03
Ti XIX	169.5800	$2s^2\ ^1S_0$ - $2s\ 2p\ ^1P_1$	7.0	5.11e+03
Fe IX	171.0730	$3s^2\ 3p^6\ ^1S_0$ - $3s^2\ 3p^5\ 3d\ ^1P_1$	5.9	2.56e+04
Ni XIV	171.3700	$3s^2\ 3p^3\ ^4S_{3/2}$ - $3s^2\ 3p^2\ (^3P)\ 3d\ ^4P_{5/2}$	6.4	1.29e+03
Fe XX	171.7250	$2s^2\ 2p^3\ ^2P_{1/2}$ - $2s\ 2p^4\ ^4P_{1/2}$	7.1	1.72e+03
O V	172.1690	$2s^2\ ^1S_0$ - $2s\ 3p\ ^1P_1$	5.4	3.47e+03
O VI	172.9350	$1s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 3d\ ^2D_{3/2}$	5.5	1.65e+03
O VI	173.0790	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 3d\ ^2D_{5/2}$	5.5	2.95e+03
Fe XXIII	173.3180	$2s\ 2p\ ^3P_1$ - $2p^2\ ^3P_0$	7.2	1.92e+03
Fe XX	173.4050	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s\ 2p^4\ ^4P_{5/2}$	7.1	7.94e+03
Fe X	174.5310	$3s^2\ 3p^5\ ^2P_{3/2}$ - $3s^2\ 3p^4\ 3d\ ^2D_{5/2}$	6.1	1.21e+04
Fe X	175.2630	$3s^2\ 3p^5\ ^2P_{1/2}$ - $3s^2\ 3p^4\ 3d\ ^2D_{3/2}$	6.1	4.15e+03
Ni XIX	175.9940	$2s^2\ 2p^5\ 3s\ ^1P_1$ - $2s^2\ 2p^5\ 3p\ ^1S_0$	7.0	1.70e+03
Ca XV	176.9220	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3P_1$	6.7	1.86e+03
Fe IX	176.9450	$3s^2\ 3p^5\ 3d\ ^3F_4$ - $3s^2\ 3p^4\ 3d^2\ ^3D_3$	5.9	1.42e+03
Fe X	177.2400	$3s^2\ 3p^5\ ^2P_{3/2}$ - $3s^2\ 3p^4\ 3d\ ^2P_{3/2}$	6.1	6.93e+03
Co XXV	178.2210	$2s\ ^2S_{1/2}$ - $2p\ ^2P_{3/2}$	7.3	3.35e+03
Fe XI	179.7580	$3s^2\ 3p^4\ ^1D_2$ - $3s^2\ 3p^3\ 3d\ ^1F_3$	6.2	2.85e+03
Fe XXIII	180.0400	$2s\ 2p\ ^3P_2$ - $2p^2\ ^3P_1$	7.2	3.75e+03
Fe XI	180.4010	$3s^2\ 3p^4\ ^3P_2$ - $3s^2\ 3p^3\ 3d\ ^3D_3$	6.2	1.18e+04
Fe X	180.4410	$3s^2\ 3p^5\ ^2P_{1/2}$ - $3s^2\ 3p^4\ 3d\ ^2P_{1/2}$	6.1	1.67e+03
Fe XI	181.1300	$3s^2\ 3p^4\ ^3P_0$ - $3s^2\ 3p^3\ 3d\ ^3D_1$	6.2	1.41e+03
Fe XI	182.1670	$3s^2\ 3p^4\ ^3P_1$ - $3s^2\ 3p^3\ 3d\ ^3D_2$	6.2	3.73e+03
Ca XIV	183.4600	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{1/2}$	6.7	1.29e+03
O VI	184.1170	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 3s\ ^2S_{1/2}$	5.5	2.06e+03
Fe X	184.5370	$3s^2\ 3p^5\ ^2P_{3/2}$ - $3s^2\ 3p^4\ 3d\ ^2S_{1/2}$	6.1	2.97e+03
Fe XI	184.7930	$3s^2\ 3p^4\ ^1D_2$ - $3s^2\ 3p^3\ 3d\ ^1D_2$	6.2	1.60e+03
Fe VIII	185.2130	$3s^2\ 3p^6\ 3d\ ^2D_{5/2}$ - $3s^2\ 3p^5\ 3d^2\ ^2F_{7/2}$	5.7	6.82e+03
Ni XVI	185.2300	$3s^2\ 3p\ ^2P_{1/2}$ - $3s^2\ 3d\ ^2D_{3/2}$	6.4	2.14e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe VIII	186.5980	$3s^2\ 3p^6\ 3d\ ^2D_{3/2}$ - $3s^2\ 3p^5\ 3d^2\ ^2F_{5/2}$	5.7	4.74e+03
Ca XIV	186.6100	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{3/2}$	6.7	2.51e+03
Fe XII	186.8540	$3s^2\ 3p^3\ ^2D_{3/2}$ - $3s^2\ 3p^2\ 3d\ ^2F_{5/2}$	6.2	2.38e+03
Fe XII	186.8870	$3s^2\ 3p^3\ ^2D_{5/2}$ - $3s^2\ 3p^2\ 3d\ ^2F_{7/2}$	6.2	4.67e+03
Fe XXI	187.9290	$2s^2\ 2p^2\ ^1D_2$ - $2s\ 2p^3\ ^3D_1$	7.1	1.01e+04
Ar XIV	187.9620	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2P_{3/2}$	6.6	1.40e+03
Fe XI	188.2160	$3s^2\ 3p^4\ ^3P_2$ - $3s^2\ 3p^3\ 3d\ ^3P_2$	6.2	6.20e+03
Fe XI	188.2990	$3s^2\ 3p^4\ ^3P_2$ - $3s^2\ 3p^3\ 3d\ ^1P_1$	6.2	3.61e+03
Fe IX	188.4930	$3s^2\ 3p^5\ 3d\ ^3F_4$ - $3s^2\ 3p^4\ 3d^2\ ^3G_5$	5.9	1.67e+03
S XI	191.2660	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3S_1$	6.3	1.73e+03
Fe XXIV	192.0280	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{3/2}$	7.2	1.27e+06
Fe XII	192.3940	$3s^2\ 3p^3\ ^4S_{3/2}$ - $3s^2\ 3p^2\ 3d\ ^4P_{1/2}$	6.2	3.24e+03
O V	192.7970	$2s\ 2p\ ^3P_1$ - $2s\ 3d\ ^3D_2$	5.4	2.16e+03
Fe XI	192.8130	$3s^2\ 3p^4\ ^3P_1$ - $3s^2\ 3p^3\ 3d\ ^3P_2$	6.2	1.29e+03
Ca XVII	192.8530	$2s^2\ ^1S_0$ - $2s\ 2p\ ^1P_1$	6.8	6.50e+04
O V	192.9040	$2s\ 2p\ ^3P_2$ - $2s\ 3d\ ^3D_3$	5.4	5.49e+03
Fe XII	193.5090	$3s^2\ 3p^3\ ^4S_{3/2}$ - $3s^2\ 3p^2\ 3d\ ^4P_{3/2}$	6.2	6.82e+03
Ca XIV	193.8660	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{5/2}$	6.7	3.67e+03
Ar XIV	194.4010	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2S_{1/2}$	6.6	2.62e+03
Fe VIII	194.6610	$3s^2\ 3p^6\ 3d\ ^2D_{5/2}$ - $3s^2\ 3p^6\ 4p\ ^2P_{3/2}$	5.7	1.57e+03
Fe XII	195.1190	$3s^2\ 3p^3\ ^4S_{3/2}$ - $3s^2\ 3p^2\ 3d\ ^4P_{5/2}$	6.2	1.01e+04
O IV	195.8600	$2s^2\ 2p\ ^2P_{1/2}$ - $2s^2\ 4d\ ^2D_{3/2}$	5.2	1.40e+03
O IV	196.0060	$2s^2\ 2p\ ^2P_{3/2}$ - $2s^2\ 4d\ ^2D_{5/2}$	5.2	2.55e+03
Fe XIII	196.5250	$3s^2\ 3p^2\ ^1D_2$ - $3s^2\ 3p\ 3d\ ^1F_3$	6.2	2.19e+03
Fe XII	196.6400	$3s^2\ 3p^3\ ^2D_{5/2}$ - $3s^2\ 3p^2\ 3d\ ^2D_{5/2}$	6.2	1.57e+03
Fe XIII	200.0210	$3s^2\ 3p^2\ ^3P_1$ - $3s^2\ 3p\ 3d\ ^3D_2$	6.3	2.52e+03
Ca XV	200.9770	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^3\ ^3D_1$	6.7	5.32e+03
Fe XX	201.0450	$2s^2\ 2p^3\ ^2P_{3/2}$ - $2s\ 2p^4\ ^4P_{3/2}$	7.1	2.29e+03
Fe XIII	201.1260	$3s^2\ 3p^2\ ^3P_1$ - $3s^2\ 3p\ 3d\ ^3D_1$	6.3	2.85e+03
Fe XIII	202.0440	$3s^2\ 3p^2\ ^3P_0$ - $3s^2\ 3p\ 3d\ ^3P_1$	6.3	4.25e+03
Fe XVIII	203.5210	$2s^2\ 2p^4\ (^3P)\ 3s\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^1D)\ 3p\ ^2P_{3/2}$	6.9	3.13e+03
Fe XIII	203.7950	$3s^2\ 3p^2\ ^3P_2$ - $3s^2\ 3p\ 3d\ ^3D_2$	6.3	3.31e+03
Fe XIII	203.8260	$3s^2\ 3p^2\ ^3P_2$ - $3s^2\ 3p\ 3d\ ^3D_3$	6.3	9.06e+03
Fe XVII	204.6680	$2s^2\ 2p^5\ 3s\ ^1P_1$ - $2s^2\ 2p^5\ 3p\ ^1S_0$	6.9	1.47e+04
K XVI	206.2710	$2s^2\ ^1S_0$ - $2s\ 2p\ ^1P_1$	6.8	2.15e+03
Mn XXIII	206.9300	$2s\ ^2S_{1/2}$ - $2p\ ^2P_{3/2}$	7.2	1.22e+04
O IV	207.2390	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p\ 3p\ ^2D_{5/2}$	5.2	1.45e+03
Ca XV	208.3290	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3D_1$	6.7	1.52e+03
Ca XVI	208.5850	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2D_{3/2}$	6.8	8.71e+03
Fe XIII	209.6190	$3s^2\ 3p^2\ ^3P_1$ - $3s^2\ 3p\ 3d\ ^3P_2$	6.3	1.71e+03
Fe XIV	211.3170	$3s^2\ 3p\ ^2P_{1/2}$ - $3s^2\ 3d\ ^2D_{3/2}$	6.3	1.53e+04
Fe XIII	213.7680	$3s^2\ 3p^2\ ^3P_2$ - $3s^2\ 3p\ 3d\ ^3P_2$	6.3	1.67e+03
O V	215.1030	$2s\ 2p\ ^3P_1$ - $2s\ 3s\ ^3S_1$	5.4	2.34e+03
S XII	215.1670	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2P_{1/2}$	6.4	1.56e+03
O V	215.2450	$2s\ 2p\ ^3P_2$ - $2s\ 3s\ ^3S_1$	5.4	3.90e+03
Ni XVII	215.9070	$3s\ 3p\ ^1P_1$ - $3s\ 3d\ ^1D_2$	6.8	1.53e+03
Fe IX	217.1010	$3s^2\ 3p^6\ ^1S_0$ - $3s^2\ 3p^5\ 3d\ ^3D_1$	5.9	2.26e+03
Fe XXII	217.3020	$1s^2\ 2s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 2s\ 2p^2\ ^4P_{3/2}$	7.1	3.49e+03
S XII	218.2000	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2P_{3/2}$	6.4	3.36e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XIV	219.1300	$3s^2\ 3p\ ^2P_{3/2}$ - $3s^2\ 3d\ ^2D_{5/2}$	6.3	9.01e+03
Fe XII	219.4370	$3s^2\ 3p^3\ ^2D_{5/2}$ - $3s\ 3p^4\ ^2P_{3/2}$	6.2	1.39e+03
Fe XIV	220.0840	$3s^2\ 3p\ ^2P_{3/2}$ - $3s^2\ 3d\ ^2D_{3/2}$	6.3	3.27e+03
O V	220.3530	$2s\ 2p\ ^1P_1$ - $2s\ 3d\ ^1D_2$	5.4	4.02e+03
Ni XVIII	220.4280	$3p\ ^2P_{1/2}$ - $3d\ ^2D_{3/2}$	6.9	2.60e+03
Zn XIX	220.5680	$3s^2\ ^1S_0$ - $3s\ 3p\ ^1P_1$	6.8	1.43e+03
Ar XV	221.1500	$2s^2\ ^1S_0$ - $2s\ 2p\ ^1P_1$	6.8	2.84e+04
Fe XXIII	221.3420	$2s\ 2p\ ^1P_1$ - $2p^2\ ^1D_2$	7.2	2.57e+03
S XII	221.4250	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2P_{1/2}$	6.4	1.85e+03
Fe XIII	221.8280	$3s^2\ 3p^2\ ^1D_2$ - $3s^2\ 3p\ 3d\ ^1D_2$	6.2	2.10e+03
Cr XXII	223.0180	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{3/2}$	7.1	2.03e+04
S IX	224.7260	$2s^2\ 2p^4\ ^3P_2$ - $2s\ 2p^5\ ^3P_2$	6.1	1.31e+03
Si IX	227.0000	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3S_1$	6.1	1.86e+03
S XII	227.4900	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2S_{1/2}$	6.4	2.25e+03
Fe XIII	228.1600	$3s^2\ 3p^2\ ^1D_2$ - $3s^2\ 3p\ 3d\ ^3P_2$	6.3	1.37e+03
Ni XIX	231.1070	$2s^2\ 2p^5\ 3s\ ^3P_1$ - $2s^2\ 2p^5\ 3p\ ^1S_0$	7.0	1.32e+03
O IV	233.5620	$2s\ 2p^2\ ^4P_{5/2}$ - $2s\ 2p\ 3d\ ^4D_{7/2}$	5.2	1.42e+03
Ni XVIII	233.7570	$3p\ ^2P_{3/2}$ - $3d\ ^2D_{5/2}$	6.9	4.30e+03
Fe XV	233.8660	$3s\ 3p\ ^3P_2$ - $3s\ 3d\ ^3D_3$	6.4	2.73e+03
Ni XXVI	234.1520	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{1/2}$	7.3	2.20e+04
Fe XVIII	237.2480	$2s^2\ 2p^4\ (^3P)\ 3s\ ^4P_{3/2}$ - $2s^2\ 2p^4\ (^1D)\ 3p\ ^2P_{3/2}$	6.9	1.62e+03
He II	237.3310	$1s\ ^2S_{1/2}$ - $5p\ ^2P_{3/2}$	4.9	7.15e+03
He II	237.3310	$1s\ ^2S_{1/2}$ - $5p\ ^2P_{1/2}$	4.9	3.57e+03
Cl XIV	237.8120	$2s^2\ ^1S_0$ - $2s\ 2p\ ^1P_1$	6.6	1.94e+03
O IV	238.3600	$2s^2\ 2p\ ^2P_{1/2}$ - $2s^2\ 3d\ ^2D_{3/2}$	5.2	9.05e+03
O IV	238.5700	$2s^2\ 2p\ ^2P_{3/2}$ - $2s^2\ 3d\ ^2D_{5/2}$	5.2	1.65e+04
O IV	238.5790	$2s^2\ 2p\ ^2P_{3/2}$ - $2s^2\ 3d\ ^2D_{3/2}$	5.2	1.81e+03
Ni XXV	238.8610	$2s^2\ ^1S_0$ - $2s\ 2p\ ^3P_1$	7.2	4.32e+03
Fe XXI	242.0490	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^5S_2$	7.1	1.09e+04
He II	243.0260	$1s\ ^2S_{1/2}$ - $4p\ ^2P_{3/2}$	4.9	1.87e+04
He II	243.0270	$1s\ ^2S_{1/2}$ - $4p\ ^2P_{1/2}$	4.9	9.32e+03
Ar XIV	243.7510	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2D_{3/2}$	6.6	2.79e+03
Fe XV	243.7940	$3s\ 3p\ ^1P_1$ - $3s\ 3d\ ^1D_2$	6.4	9.24e+03
Co XXV	244.2330	$2s\ ^2S_{1/2}$ - $2p\ ^2P_{1/2}$	7.3	1.30e+03
Fe IX	244.9090	$3s^2\ 3p^6\ ^1S_0$ - $3s^2\ 3p^5\ 3d\ ^3P_1$	5.9	3.01e+03
Si VI	246.0020	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s\ 2p^6\ ^2S_{1/2}$	5.7	1.72e+03
Fe XIII	246.2090	$3s^2\ 3p^2\ ^3P_1$ - $3s\ 3p^3\ ^3S_1$	6.3	2.07e+03
S XI	246.8950	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3P_2$	6.3	1.35e+03
Fe XXI	246.9500	$2s^2\ 2p^2\ ^1S_0$ - $2s\ 2p^3\ ^3D_1$	7.1	1.75e+03
Fe XXII	247.1880	$1s^2\ 2s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 2s\ 2p^2\ ^4P_{1/2}$	7.1	2.49e+04
O V	248.4600	$2s\ 2p\ ^1P_1$ - $2s\ 3s\ ^1S_0$	5.4	5.45e+03
Ni XVII	249.1890	$3s^2\ ^1S_0$ - $3s\ 3p\ ^1P_1$	6.8	2.29e+04
Fe XVI	251.0630	$3p\ ^2P_{1/2}$ - $3d\ ^2D_{3/2}$	6.8	1.90e+04
Fe XIII	251.9520	$3s^2\ 3p^2\ ^3P_2$ - $3s\ 3p^3\ ^3S_1$	6.3	3.88e+03
Fe XIV	252.1990	$3s^2\ 3p\ ^2P_{1/2}$ - $3s\ 3p^2\ ^2P_{3/2}$	6.3	2.60e+03
Fe XXII	253.1680	$1s^2\ 2s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 2s\ 2p^2\ ^4P_{5/2}$	7.1	1.17e+04
Fe XVII	254.5360	$2s^2\ 2p^5\ 3p\ ^3S_1$ - $2s^2\ 2p^5\ 3d\ ^3P_2$	6.9	2.42e+03
Fe XVII	254.8850	$2s^2\ 2p^5\ 3s\ ^3P_1$ - $2s^2\ 2p^5\ 3p\ ^1S_0$	6.9	1.27e+04
Fe XXIV	255.1130	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{1/2}$	7.2	5.07e+05

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
He II	256.3170	1s $^2S_{1/2}$ - 3p $^2P_{3/2}$	4.9	9.56e+04
He II	256.3180	1s $^2S_{1/2}$ - 3p $^2P_{1/2}$	4.9	4.77e+04
Zn XX	256.3710	3s $^2S_{1/2}$ - 3p $^2P_{3/2}$	6.9	2.37e+03
Si X	256.3770	2s^2 2p $^2P_{1/2}$ - 2s 2p^2 $^2P_{1/2}$	6.2	1.66e+03
S XIII	256.6850	2s^2 $^1S_0$ - 2s 2p $^1P_1$	6.5	4.18e+04
Fe XIV	257.3940	3s^2 3p $^2P_{1/2}$ - 3s 3p^2 $^2P_{1/2}$	6.3	3.44e+03
Si X	258.3740	2s^2 2p $^2P_{3/2}$ - 2s 2p^2 $^2P_{3/2}$	6.2	4.70e+03
Ti XX	259.2720	1s^2 2s $^2S_{1/2}$ - 1s^2 2p $^2P_{3/2}$	7.1	3.93e+03
S X	259.4960	2s^2 2p^3 $^4S_{3/2}$ - 2s 2p^4 $^4P_{3/2}$	6.2	1.37e+03
Fe XVII	259.5910	2s^2 2p^5 3p $^3D_2$ - 2s^2 2p^5 3d $^1D_2$	6.9	1.43e+03
Si X	261.0560	2s^2 2p $^2P_{3/2}$ - 2s 2p^2 $^2P_{1/2}$	6.2	1.36e+03
Fe XVI	262.9760	3p $^2P_{3/2}$ - 3d $^2D_{5/2}$	6.8	3.20e+04
Fe XXIII	263.7650	2s^2 $^1S_0$ - 2s 2p $^3P_1$	7.2	9.07e+04
S X	264.2300	2s^2 2p^3 $^4S_{3/2}$ - 2s 2p^4 $^4P_{5/2}$	6.2	2.00e+03
Fe XIV	264.7880	3s^2 3p $^2P_{3/2}$ - 3s 3p^2 $^2P_{3/2}$	6.3	1.08e+04
Fe XVI	265.0000	3p $^2P_{3/2}$ - 3d $^2D_{3/2}$	6.8	3.10e+03
Fe XVII	266.4170	2s^2 2p^5 3p $^3D_1$ - 2s^2 2p^5 3d $^3F_2$	6.9	2.49e+03
Mn XXIII	266.9130	2s $^2S_{1/2}$ - 2p $^2P_{1/2}$	7.2	4.96e+03
Fe XVII	269.4200	2s^2 2p^5 3p $^3D_2$ - 2s^2 2p^5 3d $^3F_3$	6.9	5.27e+03
Mg VI	270.3900	2s^2 2p^3 $^2D_{5/2}$ - 2s 2p^4 $^2P_{3/2}$	5.7	1.49e+03
Fe XIV	270.5200	3s^2 3p $^2P_{3/2}$ - 3s 3p^2 $^2P_{1/2}$	6.3	4.81e+03
Fe XXI	270.5460	2s^2 2p^2 $^3P_2$ - 2s 2p^3 $^5S_2$	7.1	9.15e+03
O IV	271.9900	2s 2p^2 $^4P_{3/2}$ - 2s 2p 3s $^4P_{5/2}$	5.2	1.81e+03
O IV	272.0760	2s 2p^2 $^4P_{1/2}$ - 2s 2p 3s $^4P_{3/2}$	5.2	1.54e+03
O IV	272.1270	2s 2p^2 $^4P_{5/2}$ - 2s 2p 3s $^4P_{5/2}$	5.2	4.22e+03
O IV	272.2730	2s 2p^2 $^4P_{3/2}$ - 2s 2p 3s $^4P_{1/2}$	5.2	1.49e+03
O IV	272.3100	2s 2p^2 $^4P_{5/2}$ - 2s 2p 3s $^4P_{3/2}$	5.2	1.67e+03
Fe XIV	274.2030	3s^2 3p $^2P_{1/2}$ - 3s 3p^2 $^2S_{1/2}$	6.3	8.04e+03
Si VII	275.3610	2s^2 2p^4 $^3P_2$ - 2s 2p^5 $^3P_2$	5.8	2.15e+03
Fe XVII	275.5500	2s^2 2p^5 3p $^1P_1$ - 2s^2 2p^5 3d $^1D_2$	6.9	2.26e+03
Mg V	276.5790	2s^2 2p^4 $^1D_2$ - 2s 2p^5 $^1P_1$	5.4	2.38e+03
Mg VII	278.4040	2s^2 2p^2 $^3P_2$ - 2s 2p^3 $^3S_1$	5.8	1.63e+03
O IV	279.6310	2s^2 2p $^2P_{1/2}$ - 2s^2 3s $^2S_{1/2}$	5.2	4.87e+03
Cr XXII	279.7390	1s^2 2s $^2S_{1/2}$ - 1s^2 2p $^2P_{1/2}$	7.1	8.48e+03
O IV	279.9330	2s^2 2p $^2P_{3/2}$ - 2s^2 3s $^2S_{1/2}$	5.2	9.75e+03
Fe XVII	280.1600	2s^2 2p^5 3p $^1D_2$ - 2s^2 2p^5 3d $^1F_3$	6.9	4.67e+03
Fe XVII	280.1980	2s^2 2p^5 3p $^3P_2$ - 2s^2 2p^5 3d $^3D_3$	6.9	4.14e+03
Fe XVII	281.1200	2s^2 2p^5 3p $^3P_1$ - 2s^2 2p^5 3d $^3D_2$	6.9	2.48e+03
N IV	283.5740	2s 2p $^3P_2$ - 2s 3d $^3D_3$	5.2	2.05e+03
Fe XVII	283.9450	2s^2 2p^5 3p $^3D_3$ - 2s^2 2p^5 3d $^3F_4$	6.9	5.74e+03
Fe XV	284.1630	3s^2 $^1S_0$ - 3s 3p $^1P_1$	6.4	1.44e+05
S XII	288.4340	2s^2 2p $^2P_{1/2}$ - 2s 2p^2 $^2D_{3/2}$	6.4	3.29e+03
S XI	291.5780	2s^2 2p^2 $^3P_2$ - 2s 2p^3 $^3D_3$	6.3	1.34e+03
Ni XVIII	291.9840	3s $^2S_{1/2}$ - 3p $^2P_{3/2}$	6.9	4.96e+04
Fe XXII	292.4630	1s^2 2s^2 2p $^2P_{3/2}$ - 1s^2 2s 2p^2 $^4P_{3/2}$	7.1	1.18e+04
Fe XVIII *	295.1930	2s^2 2p^4 (^{3}P) 3p $^2D_{5/2}$ - 2s^2 2p^4 (^{3}P) 3d $^2F_{7/2}$	6.9	2.80e+03
Fe XVIII	295.6830	2s^2 2p^4 (^{1}D) 3s $^2D_{5/2}$ - 2s^2 2p^4 (^{1}D) 3p $^2P_{3/2}$	6.9	2.13e+03
Fe XVII	295.9810	2s^2 2p^5 3s $^1P_1$ - 2s^2 2p^5 3p $^3P_0$	6.9	2.31e+03
Si IX	296.1170	2s^2 2p^2 $^3P_2$ - 2s 2p^3 $^3P_2$	6.1	1.68e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XVIII *	296.3980	$2s^2\ 2p^4\ (^3P)\ 3p\ ^4P_{5/2}$ - $2s^2\ 2p^4\ (^3P)\ 3d\ ^4D_{7/2}$	6.9	1.88e+03
S XII	299.5180	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2D_{5/2}$	6.4	1.38e+03
Ca XVIII	302.1900	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{3/2}$	7.1	7.40e+04
Fe XVIII *	303.1070	$2s^2\ 2p^4\ (^3P)\ 3p\ ^4D_{7/2}$ - $2s^2\ 2p^4\ (^3P)\ 3d\ ^4F_{9/2}$	6.9	3.31e+03
Si XI	303.3250	$2s^2\ ^1S_0$ - $2s\ 2p\ ^1P_1$	6.2	2.55e+04
He II	303.7800	$1s\ ^2S_{1/2}$ - $2p\ ^2P_{3/2}$	4.9	6.50e+05
He II	303.7860	$1s\ ^2S_{1/2}$ - $2p\ ^2P_{1/2}$	4.9	3.26e+05
O III	303.8000	$2s^2\ 2p^2\ ^3P_2$ - $2s^2\ 2p\ 3d\ ^3P_2$	5.1	2.45e+03
Fe XV	304.8940	$3s\ 3p\ ^3P_2$ - $3p^2\ ^3P_2$	6.4	1.36e+03
Fe XVII	305.0450	$2s^2\ 2p^5\ 3p\ ^3P_2$ - $2s^2\ 2p^5\ 3d\ ^3P_2$	6.9	1.35e+03
Fe XVIII *	305.0580	$2s^2\ 2p^4\ (^3P)\ 3p\ ^4D_{5/2}$ - $2s^2\ 2p^4\ (^3P)\ 3d\ ^4F_{7/2}$	6.9	1.86e+03
O III	305.5960	$2s^2\ 2p^2\ ^3P_0$ - $2s^2\ 2p\ 3d\ ^3D_1$	5.1	1.53e+03
O III	305.6560	$2s^2\ 2p^2\ ^3P_1$ - $2s^2\ 2p\ 3d\ ^3D_2$	5.1	3.42e+03
O III	305.7670	$2s^2\ 2p^2\ ^3P_2$ - $2s^2\ 2p\ 3d\ ^3D_3$	5.1	6.08e+03
O IV	306.6210	$2s\ 2p^2\ ^2D_{5/2}$ - $2s\ 2p\ 3s\ ^2P_{3/2}$	5.2	3.06e+03
O IV	306.8840	$2s\ 2p^2\ ^2D_{3/2}$ - $2s\ 2p\ 3s\ ^2P_{1/2}$	5.2	1.67e+03
Ti XX	309.0720	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{1/2}$	7.1	1.71e+03
Fe XVIII *	309.1890	$2s^2\ 2p^4\ (^1D)\ 3p\ ^2F_{7/2}$ - $2s^2\ 2p^4\ (^1D)\ 3d\ ^2G_{9/2}$	6.9	1.87e+03
Fe XX	309.2940	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^3\ ^2P_{3/2}$	7.1	7.91e+03
C IV	312.4200	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 3p\ ^2P_{3/2}$	5.1	1.62e+03
Co XVII	312.5580	$3s\ ^2S_{1/2}$ - $3p\ ^2P_{3/2}$	6.8	1.69e+03
Mg VIII	313.7430	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2P_{1/2}$	5.9	1.57e+03
Mg VIII	315.0150	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2P_{3/2}$	5.9	4.31e+03
Si VIII	316.2180	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{3/2}$	5.9	1.87e+03
Mg VII	319.0340	$2s^2\ 2p^2\ ^1D_2$ - $2s\ 2p^3\ ^1D_2$	5.8	2.34e+03
Si VIII	319.8390	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{5/2}$	5.9	2.79e+03
Ni XVIII	320.5580	$3s\ ^2S_{1/2}$ - $3p\ ^2P_{1/2}$	6.9	2.30e+04
Fe XIII	320.8000	$3s^2\ 3p^2\ ^3P_2$ - $3s\ 3p^3\ ^3P_2$	6.2	1.76e+03
O III	320.9780	$2s^2\ 2p^2\ ^1D_2$ - $2s^2\ 2p\ 3d\ ^1F_3$	5.1	4.74e+03
Mg IV	320.9940	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s\ 2p^6\ ^2S_{1/2}$	5.2	2.62e+03
N IV	322.7180	$2s\ 2p\ ^3P_2$ - $2s\ 3s\ ^3S_1$	5.2	1.93e+03
Mg IV	323.3070	$2s^2\ 2p^5\ ^2P_{1/2}$ - $2s\ 2p^6\ ^2S_{1/2}$	5.2	1.27e+03
Fe XVII	323.4880	$2s^2\ 2p^5\ 3s\ ^3P_2$ - $2s^2\ 2p^5\ 3p\ ^3P_2$	6.9	5.36e+03
K XVII	326.7760	$2s\ ^2S_{1/2}$ - $2p\ ^2P_{3/2}$	7.1	3.06e+03
Fe XVIII *	326.8840	$2s^2\ 2p^4\ (^3P)\ 3s\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 3p\ ^4D_{3/2}$	6.9	1.67e+03
Fe XV	327.0330	$3s\ 3p\ ^3P_2$ - $3p^2\ ^1D_2$	6.4	1.54e+03
O III	328.4480	$2s^2\ 2p^2\ ^1D_2$ - $2s^2\ 2p\ 3d\ ^1D_2$	5.1	3.40e+03
Fe XIV	334.1780	$3s^2\ 3p\ ^2P_{1/2}$ - $3s\ 3p^2\ ^2D_{3/2}$	6.3	5.84e+03
Fe XVI	335.4090	$3s\ ^2S_{1/2}$ - $3p\ ^2P_{3/2}$	6.8	3.54e+05
Fe XXI	335.6920	$2s^2\ 2p^2\ ^3P_1$ - $2s^2\ 2p^2\ ^1S_0$	7.1	1.32e+04
Fe XVIII *	339.6960	$2s^2\ 2p^4\ (^1D)\ 3s\ ^2D_{5/2}$ - $2s^2\ 2p^4\ (^1D)\ 3p\ ^2D_{5/2}$	6.9	1.34e+03
Fe XVII	340.1220	$2s^2\ 2p^5\ 3s\ ^3P_0$ - $2s^2\ 2p^5\ 3p\ ^3P_1$	6.9	2.46e+03
Fe XVII	340.4950	$2s^2\ 2p^5\ 3s\ ^1P_1$ - $2s^2\ 2p^5\ 3p\ ^3P_2$	6.9	3.63e+03
Fe XIX *	341.7440	$1s^2\ 2s^2\ 2p^3\ 3p\ ^5P_3$ - $1s^2\ 2s^2\ 2p^3\ 3d\ ^5D_4$	7.0	1.92e+03
Ca XVIII	344.7600	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{1/2}$	7.1	3.33e+04
O III	345.3120	$2s^2\ 2p^2\ ^1S_0$ - $2s^2\ 2p\ 3d\ ^1P_1$	5.1	1.62e+03
Si X	347.4020	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2D_{3/2}$	6.2	1.93e+03
Fe XVII	347.8160	$2s^2\ 2p^5\ 3s\ ^3P_1$ - $2s^2\ 2p^5\ 3p\ ^1D_2$	6.9	7.14e+03
Mg VI	349.1630	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s\ 2p^4\ ^2D_{5/2}$	5.7	1.59e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XXII	349.3030	$1s^2\ 2s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 2s\ 2p^2\ ^4P_{1/2}$	7.1	2.86e+03
Si IX	349.8730	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3D_3$	6.1	1.89e+03
Fe XVII	350.4780	$2s^2\ 2p^5\ 3s\ ^3P_2$ - $2s^2\ 2p^5\ 3p\ ^3D_3$	6.9	1.26e+04
Fe XVII	351.5330	$2s^2\ 2p^5\ 3s\ ^3P_1$ - $2s^2\ 2p^5\ 3p\ ^3P_1$	6.9	1.37e+03
Fe XII	352.1060	$3s^2\ 3p^3\ ^4S_{3/2}$ - $3s\ 3p^4\ ^4P_{3/2}$	6.2	1.29e+03
Fe XI	352.6700	$3s^2\ 3p^4\ ^3P_2$ - $3s\ 3p^5\ ^3P_2$	6.2	1.72e+03
Mg V	353.0920	$2s^2\ 2p^4\ ^3P_2$ - $2s\ 2p^5\ ^3P_2$	5.4	3.29e+03
Fe XIV	353.8360	$3s^2\ 3p\ ^2P_{3/2}$ - $3s\ 3p^2\ ^2D_{5/2}$	6.3	3.57e+03
Ar XVI	353.8530	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{3/2}$	7.1	5.37e+04
Si X	356.0370	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2D_{5/2}$	6.2	2.73e+03
Ne IV	357.8320	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s\ 2p^4\ ^2P_{1/2}$	5.2	3.12e+03
Fe XVII	358.2470	$2s^2\ 2p^5\ 3s\ ^1P_1$ - $2s^2\ 2p^5\ 3p\ ^1P_1$	6.9	4.33e+03
Ne V	358.4740	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3S_1$	5.4	3.17e+03
Ne IV	358.6940	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s\ 2p^4\ ^2P_{3/2}$	5.2	5.78e+03
O III	359.0170	$2s\ 2p^3\ ^5S_2$ - $2s\ 2p^2\ 3s\ ^5P_3$	5.0	2.61e+03
O III	359.2250	$2s\ 2p^3\ ^5S_2$ - $2s\ 2p^2\ 3s\ ^5P_2$	5.0	1.87e+03
Ne V	359.3740	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3S_1$	5.4	5.29e+03
Fe XIII	359.6440	$3s^2\ 3p^2\ ^3P_1$ - $3s\ 3p^3\ ^3D_2$	6.3	1.75e+03
Fe XVI	360.7580	$3s\ ^2S_{1/2}$ - $3p\ ^2P_{1/2}$	6.8	1.67e+05
Mn XV	360.9870	$3s\ ^2S_{1/2}$ - $3p\ ^2P_{3/2}$	6.8	1.83e+03
Fe XII	364.4670	$3s^2\ 3p^3\ ^4S_{3/2}$ - $3s\ 3p^4\ ^4P_{5/2}$	6.2	2.15e+03
Ne V	365.5930	$2s^2\ 2p^2\ ^1D_2$ - $2s\ 2p^3\ ^1P_1$	5.4	4.92e+03
K XVII	365.6310	$2s\ ^2S_{1/2}$ - $2p\ ^2P_{1/2}$	7.1	1.39e+03
Ni XVII	366.7920	$3s^2\ ^1S_0$ - $3s\ 3p\ ^3P_1$	6.7	1.51e+03
Fe XVIII	367.2420	$2s^2\ 2p^4\ (^3P)\ 3s\ ^4P_{5/2}$ - $2s^2\ 2p^4\ (^3P)\ 3p\ ^4D_{7/2}$	6.9	5.85e+03
Fe XVII	367.2870	$2s^2\ 2p^5\ 3s\ ^3P_2$ - $2s^2\ 2p^5\ 3p\ ^3D_2$	6.9	4.51e+03
Mg VII	367.6780	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3P_2$	5.8	1.66e+03
Mg IX	368.0710	$2s^2\ ^1S_0$ - $2s\ 2p\ ^1P_1$	6.0	1.17e+04
Fe XIII	368.1640	$3s^2\ 3p^2\ ^3P_2$ - $3s\ 3p^3\ ^3D_3$	6.2	2.10e+03
Fe XVIII *	370.4510	$2s^2\ 2p^4\ (^3P)\ 3s\ ^4P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 3p\ ^4D_{5/2}$	6.9	2.39e+03
Ca XVII	371.0460	$2s^2\ ^1S_0$ - $2s\ 2p\ ^3P_1$	6.8	2.03e+03
C III	371.7430	$2s\ 2p\ ^3P_2$ - $2s\ 4d\ ^3D_3$	4.9	1.64e+03
Fe XVII	373.4300	$2s^2\ 2p^5\ 3s\ ^3P_0$ - $2s^2\ 2p^5\ 3p\ ^3D_1$	6.9	1.64e+03
O III	373.8030	$2s^2\ 2p^2\ ^3P_1$ - $2s^2\ 2p\ 3s\ ^3P_2$	5.0	4.51e+03
O III	374.0040	$2s^2\ 2p^2\ ^3P_0$ - $2s^2\ 2p\ 3s\ ^3P_1$	5.0	3.60e+03
O III	374.0730	$2s^2\ 2p^2\ ^3P_2$ - $2s^2\ 2p\ 3s\ ^3P_2$	5.0	1.35e+04
O III	374.1620	$2s^2\ 2p^2\ ^3P_1$ - $2s^2\ 2p\ 3s\ ^3P_1$	5.0	2.70e+03
N III	374.1980	$2s^2\ 2p\ ^2P_{1/2}$ - $2s^2\ 3d\ ^2D_{3/2}$	5.0	1.81e+03
Fe XVIII *	374.2990	$2s^2\ 2p^4\ (^1D)\ 3s\ ^2D_{5/2}$ - $2s^2\ 2p^4\ (^1D)\ 3p\ ^2F_{7/2}$	6.9	2.92e+03
O III	374.3280	$2s^2\ 2p^2\ ^3P_1$ - $2s^2\ 2p\ 3s\ ^3P_0$	5.0	3.46e+03
O III	374.4320	$2s^2\ 2p^2\ ^3P_2$ - $2s^2\ 2p\ 3s\ ^3P_1$	5.0	4.50e+03
N III	374.4340	$2s^2\ 2p\ ^2P_{3/2}$ - $2s^2\ 3d\ ^2D_{5/2}$	5.0	3.27e+03
Ne III	379.3080	$2s^2\ 2p^4\ ^1D_2$ - $2s\ 2p^5\ ^1P_1$	5.1	4.88e+03
O IV	379.7780	$2s\ 2p^2\ ^2D_{5/2}$ - $2s^2\ 3p\ ^2P_{3/2}$	5.2	5.42e+03
O IV	379.9230	$2s\ 2p^2\ ^2D_{3/2}$ - $2s^2\ 3p\ ^2P_{1/2}$	5.2	2.99e+03
Cl XV	383.9410	$2s\ ^2S_{1/2}$ - $2p\ ^2P_{3/2}$	7.1	4.76e+03
C IV	384.1740	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 3d\ ^2D_{5/2}$	5.1	2.23e+03
Fe XX	384.2090	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^3\ ^2P_{1/2}$	7.1	1.24e+04
C III	386.2030	$2s^2\ ^1S_0$ - $2s\ 3p\ ^1P_1$	4.9	7.45e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XVII	387.2310	$2s^2\ 2p^5\ 3s\ ^3P_1$ - $2s^2\ 2p^5\ 3p\ ^3D_1$	6.9	2.10e+03
Fe XIX *	387.3120	$1s^2\ 2s2\ 2p^3\ 3s\ ^5S_2$ - $1s^2\ 2s^2\ 2p^3\ 3p\ ^5P_3$	7.0	2.57e+03
Ar XVI	389.0660	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{1/2}$	7.1	2.48e+04
Fe XVII	389.3670	$2s^2\ 2p^5\ 3s\ ^1P_1$ - $2s^2\ 2p^5\ 3p\ ^3D_2$	6.9	4.27e+03
Cr XIV	389.8640	$3s\ ^2S_{1/2}$ - $3p\ ^2P_{3/2}$	6.7	1.42e+03
O III	395.5570	$2s^2\ 2p^2\ ^1D_2$ - $2s^2\ 2p\ 3s\ ^1P_1$	5.0	5.80e+03
Ne VI	399.8410	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2P_{3/2}$	5.6	3.14e+03
Mg VI	400.6620	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{3/2}$	5.7	1.41e+03
Ne VI	401.1460	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2P_{1/2}$	5.6	5.98e+03
Ne VI	401.9410	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2P_{3/2}$	5.6	1.57e+04
Ne VI	403.2600	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2P_{1/2}$	5.6	3.33e+03
Mg VI	403.3070	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{5/2}$	5.7	2.09e+03
Fe XVIII	405.1040	$2s^2\ 2p^4\ (^3P)\ 3s\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 3p\ ^2D_{5/2}$	6.9	3.06e+03
Fe XVII	409.7050	$2s^2\ 2p^5\ 3s\ ^3P_2$ - $2s^2\ 2p^5\ 3p\ ^3S_1$	6.9	5.55e+03
Cl XV	415.5260	$2s\ ^2S_{1/2}$ - $2p\ ^2P_{1/2}$	7.1	2.23e+03
Fe XVIII	415.6280	$2s^2\ 2p^4\ (^3P)\ 3s\ ^4P_{5/2}$ - $2s^2\ 2p^4\ (^3P)\ 3p\ ^4P_{5/2}$	6.9	4.18e+03
Ne V	416.2120	$2s^2\ 2p^2\ ^1D_2$ - $2s\ 2p^3\ ^1D_2$	5.4	9.61e+03
Fe XV	417.2580	$3s^2\ ^1S_0$ - $3s\ 3p\ ^3P_1$	6.4	6.44e+03
S XIV	417.6600	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{3/2}$	7.1	1.36e+05
C IV	419.7140	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 3s\ ^2S_{1/2}$	5.1	2.18e+03
Ne IV	421.6090	$2s^2\ 2p^3\ ^2P_{3/2}$ - $2s\ 2p^4\ ^2S_{1/2}$	5.2	1.77e+03
Fe XIX	424.2700	$1s^2\ 2s^2\ 2p^4\ ^3P_1$ - $1s^2\ 2s^2\ 2p^4\ ^1S_0$	7.0	6.82e+03
Mg VIII	430.4540	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2D_{3/2}$	5.9	1.60e+03
Ne VI	433.1790	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2S_{1/2}$	5.6	2.64e+03
N III	434.0670	$2s\ 2p^2\ ^4P_{5/2}$ - $2s\ 2p\ 3s\ ^4P_{5/2}$	5.0	1.54e+03
Mg VII	434.9230	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3D_3$	5.8	2.04e+03
O III	434.9800	$2s^2\ 2p^2\ ^1S_0$ - $2s^2\ 2p\ 3s\ ^1P_1$	5.0	3.13e+03
Ne VI	435.6460	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2S_{1/2}$	5.6	4.21e+03
Mg VIII	436.7330	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2D_{5/2}$	5.9	2.77e+03
S XIV	445.7000	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{1/2}$	7.1	6.45e+04
N III	451.8710	$2s^2\ 2p\ ^2P_{1/2}$ - $2s^2\ 3s\ ^2S_{1/2}$	4.9	1.45e+03
N III	452.2270	$2s^2\ 2p\ ^2P_{3/2}$ - $2s^2\ 3s\ ^2S_{1/2}$	4.9	2.90e+03
P XIII	455.7260	$2s\ ^2S_{1/2}$ - $2p\ ^2P_{3/2}$	7.0	1.66e+03
C III	459.4660	$2s\ 2p\ ^3P_0$ - $2s\ 3d\ ^3D_1$	4.9	4.43e+03
C III	459.5140	$2s\ 2p\ ^3P_1$ - $2s\ 3d\ ^3D_2$	4.9	9.98e+03
C III	459.5160	$2s\ 2p\ ^3P_1$ - $2s\ 3d\ ^3D_1$	4.9	3.33e+03
C III	459.6270	$2s\ 2p\ ^3P_2$ - $2s\ 3d\ ^3D_3$	4.9	1.87e+04
C III	459.6330	$2s\ 2p\ ^3P_2$ - $2s\ 3d\ ^3D_2$	4.9	3.32e+03
Ne VII	465.2210	$2s^2\ ^1S_0$ - $2s\ 2p\ ^1P_1$	5.7	3.06e+04
Ca IX	466.2400	$3s^2\ ^1S_0$ - $3s\ 3p\ ^1P_1$	5.8	1.39e+03
Ne IV	469.8250	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s\ 2p^4\ ^2D_{5/2}$	5.2	8.42e+03
Ne IV	469.8750	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s\ 2p^4\ ^2D_{3/2}$	5.2	5.49e+03
Ni XXI	471.1430	$2s^2\ 2p^4\ ^3P_2$ - $2s^2\ 2p^4\ ^1D_2$	7.1	2.91e+03
Ni XXII	477.6780	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^3\ ^2D_{5/2}$	7.1	1.55e+03
Ne V	480.4150	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^3\ ^3P_1$	5.4	1.77e+03
Ne V	481.2930	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3P_0$	5.4	1.78e+03
Ne V	481.3660	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3P_1$	5.4	1.41e+03
Ne V	481.3710	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3P_2$	5.4	2.15e+03
Ne V	482.9900	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3P_1$	5.4	2.17e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Ne V	482.9940	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3P_2$	5.4	6.85e+03
Ne III	488.0930	$2s^2\ 2p^4\ ^3P_2$ - $2s\ 2p^5\ ^3P_1$	5.0	4.69e+03
Ne III	488.8510	$2s^2\ 2p^4\ ^3P_1$ - $2s\ 2p^5\ ^3P_0$	5.0	3.70e+03
Ne III	489.4950	$2s^2\ 2p^4\ ^3P_2$ - $2s\ 2p^5\ ^3P_2$	5.0	1.44e+04
Ne III	489.6290	$2s^2\ 2p^4\ ^3P_1$ - $2s\ 2p^5\ ^3P_1$	5.0	2.77e+03
Ne III	490.2960	$2s^2\ 2p^4\ ^3P_0$ - $2s\ 2p^5\ ^3P_1$	5.0	3.67e+03
Ne III	491.0410	$2s^2\ 2p^4\ ^3P_1$ - $2s\ 2p^5\ ^3P_2$	5.0	4.72e+03
Si XII	499.4060	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{3/2}$	6.9	1.21e+05
O III	507.3880	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^3\ ^3S_1$	4.9	1.06e+04
O III	507.6800	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3S_1$	4.9	3.18e+04
O III	508.1780	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3S_1$	4.9	5.30e+04
He I	515.6170	$1s^2\ ^1S_0$ - $1s\ 5p\ ^1P_1$	4.5	1.53e+03
Si XII	520.6650	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{1/2}$	6.9	5.86e+04
He I	522.2130	$1s^2\ ^1S_0$ - $1s\ 4p\ ^1P_1$	4.5	6.28e+03
O III	525.7940	$2s^2\ 2p^2\ ^1D_2$ - $2s\ 2p^3\ ^1P_1$	5.0	5.53e+04
C II	530.3590	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p\ 3p\ ^2D_{5/2}$	4.7	1.29e+03
He I	537.0300	$1s^2\ ^1S_0$ - $1s\ 3p\ ^1P_1$	4.5	1.65e+04
O II	537.8320	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s\ 2p^4\ ^2P_{1/2}$	4.8	4.89e+03
C III	538.0800	$2s\ 2p\ ^3P_0$ - $2s\ 3s\ ^3S_1$	4.9	5.18e+03
C III	538.1490	$2s\ 2p\ ^3P_1$ - $2s\ 3s\ ^3S_1$	4.9	1.55e+04
O II	538.2620	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s\ 2p^4\ ^2P_{3/2}$	4.8	8.59e+03
C III	538.3120	$2s\ 2p\ ^3P_2$ - $2s\ 3s\ ^3S_1$	4.9	2.59e+04
O II	539.0860	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3s\ ^4P_{5/2}$	4.7	1.34e+04
O II	539.5470	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3s\ ^4P_{3/2}$	4.7	9.45e+03
O II	539.8540	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3s\ ^4P_{1/2}$	4.7	4.54e+03
Ne IV	541.1260	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{1/2}$	5.2	4.21e+03
Fe XX	541.3360	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s^2\ 2p^3\ ^2P_{3/2}$	7.1	6.60e+03
Ne IV	542.0760	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{3/2}$	5.2	8.42e+03
Ne IV	543.8860	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{5/2}$	5.2	1.26e+04
Al XI	550.0310	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{3/2}$	6.9	5.20e+03
O IV	553.3290	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2P_{3/2}$	5.2	4.84e+04
S IV	554.0270	$3s^2\ 3p\ ^2P_{3/2}$ - $3s^2\ 4s\ ^2S_{1/2}$	5.0	1.55e+03
O IV	554.0760	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2P_{1/2}$	5.2	9.49e+04
O III	554.2700	$2s\ 2p^3\ ^3D_3$ - $2s^2\ 2p\ 3p\ ^3P_2$	5.0	2.16e+03
O IV	554.5140	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2P_{3/2}$	5.2	2.42e+05
O II	555.0590	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s^2\ 2p^2\ (^1D)\ 3s\ ^2D_{5/2}$	4.7	2.44e+03
O II	555.1170	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s^2\ 2p^2\ (^1D)\ 3s\ ^2D_{3/2}$	4.7	1.56e+03
O IV	555.2640	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2P_{1/2}$	5.2	4.91e+04
Ne VI	558.6030	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2D_{3/2}$	5.6	6.74e+03
Ne VII	561.7300	$2s\ 2p\ ^3P_2$ - $2p^2\ ^3P_2$	5.7	1.39e+03
Ne VI	562.8050	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2D_{5/2}$	5.6	1.19e+04
Si III	566.6130	$3s^2\ ^1S_0$ - $3s\ 4p\ ^1P_1$	4.8	1.45e+03
Fe XX	567.8660	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^3\ ^2D_{5/2}$	7.1	3.47e+04
Al XI	568.1200	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{1/2}$	6.9	2.53e+03
Ne V	568.4240	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^3\ ^3D_1$	5.4	2.33e+03
Ne V	569.7560	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3D_1$	5.4	1.63e+03
Ne V	569.8280	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3D_2$	5.4	5.27e+03
Ne V	572.1050	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3D_2$	5.4	1.52e+03
Ne V	572.3350	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3D_3$	5.4	9.57e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
O III	574.0600	2s 2p^3 ^{3}D$_3$ - 2s^2 2p 3p ^{3}D$_3$	5.0	1.52e+03
C III	574.2810	2s 2p ^{1}P$_1$ - 2s 3d ^{1}D$_2$	4.9	4.41e+03
O II	580.9700	2s^2 2p^3 ^{2}P$_{3/2}$ - 2s 2p^4 ^{2}P$_{3/2}$	4.8	1.79e+03
He I	584.3340	1s^2 ^{1}S$_0$ - 1s 2p ^{1}P$_1$	4.5	2.26e+05
C III	585.4280	2p^2 ^{3}P$_2$ - 2p 3s ^{3}P$_2$	4.9	1.54e+03
Ar VII	585.7480	3s^2 ^{1}S$_0$ - 3s 3p ^{1}P$_1$	5.6	3.11e+03
Fe XXI	585.7660	2s^2 2p^2 ^{3}P$_1$ - 2s^2 2p^2 ^{1}D$_2$	7.1	9.36e+03
Fe XIX	592.2350	1s^2 2s^2 2p^4 ^{3}P$_2$ - 1s^2 2s^2 2p^4 ^{1}D$_2$	7.0	4.43e+04
C II	595.0220	2s^2 2p ^{2}P$_{3/2}$ - 2s^2 4d ^{2}D$_{5/2}$	4.7	1.66e+03
O III	597.8140	2s^2 2p^2 ^{1}S$_0$ - 2s 2p^3 ^{1}P$_1$	5.0	7.82e+03
O III	599.5900	2s^2 2p^2 ^{1}D$_2$ - 2s 2p^3 ^{1}D$_2$	4.9	1.17e+05
O II	600.5870	2s^2 2p^3 ^{2}P$_{3/2}$ - 2s^2 2p^2 (^{1}D) 3s ^{2}D$_{5/2}$	4.7	1.35e+03
O IV	608.3970	2s^2 2p ^{2}P$_{1/2}$ - 2s 2p^2 ^{2}S$_{1/2}$	5.2	4.19e+04
Mg X	609.7930	1s^2 2s ^{2}S$_{1/2}$ - 1s^2 2p ^{2}P$_{3/2}$	6.8	3.47e+04
O IV	609.8300	2s^2 2p ^{2}P$_{3/2}$ - 2s 2p^2 ^{2}S$_{1/2}$	5.2	7.77e+04
Ni XXIV	609.9050	2s^2 2p ^{2}P$_{1/2}$ - 2s^2 2p ^{2}P$_{3/2}$	7.2	4.53e+03
O III	610.7450	2s 2p^3 ^{3}D$_3$ - 2p^4 ^{3}P$_2$	5.0	1.28e+03
O II	616.3040	2s^2 2p^3 ^{2}D$_{5/2}$ - 2s^2 2p^2 (^{3}P) 3s ^{2}P$_{3/2}$	4.7	1.17e+04
O IV	616.9520	2s 2p^2 ^{2}D$_{5/2}$ - 2p^3 ^{2}P$_{3/2}$	5.2	2.02e+03
O II	617.0630	2s^2 2p^3 ^{2}D$_{3/2}$ - 2s^2 2p^2 (^{3}P) 3s ^{2}P$_{1/2}$	4.7	6.63e+03
O IV	624.6190	2s 2p^2 ^{4}P$_{1/2}$ - 2p^3 ^{4}S$_{3/2}$	5.2	4.24e+03
Mg X	624.9410	1s^2 2s ^{2}S$_{1/2}$ - 1s^2 2p ^{2}P$_{1/2}$	6.8	1.71e+04
O IV	625.1290	2s 2p^2 ^{4}P$_{3/2}$ - 2p^3 ^{4}S$_{3/2}$	5.2	8.44e+03
O IV	625.8530	2s 2p^2 ^{4}P$_{5/2}$ - 2p^3 ^{4}S$_{3/2}$	5.2	1.26e+04
O V	629.7320	2s^2 ^{1}S$_0$ - 2s 2p ^{1}P$_1$	5.3	4.65e+05
Ni XXII	634.9530	2s^2 2p^3 ^{4}S$_{3/2}$ - 2s^2 2p^3 ^{2}D$_{3/2}$	7.1	2.01e+03
C II	636.2510	2s^2 2p ^{2}P$_{3/2}$ - 2s^2 4s ^{2}S$_{1/2}$	4.7	1.78e+03
O II	644.1530	2s^2 2p^3 ^{2}P$_{3/2}$ - 2s 2p^4 ^{2}S$_{1/2}$	4.7	5.43e+03
O II	644.1620	2s^2 2p^3 ^{2}P$_{1/2}$ - 2s 2p^4 ^{2}S$_{1/2}$	4.7	2.79e+03
N II	644.8370	2s^2 2p^2 ^{3}P$_1$ - 2s 2p^3 ^{3}S$_1$	4.7	1.58e+03
N II	645.1780	2s^2 2p^2 ^{3}P$_2$ - 2s 2p^3 ^{3}S$_1$	4.7	2.63e+03
C II	651.3450	2s 2p^2 ^{4}P$_{5/2}$ - 2s 2p 3d ^{4}D$_{7/2}$	4.7	2.07e+03
S IV	657.3190	3s^2 3p ^{2}P$_{1/2}$ - 3s^2 3d ^{2}D$_{3/2}$	5.0	1.05e+04
O III	658.5790	2s 2p^3 ^{3}P$_2$ - 2s^2 2p 3p ^{3}D$_3$	5.0	1.70e+03
N II	660.2860	2s^2 2p^2 ^{1}D$_2$ - 2s 2p^3 ^{1}P$_1$	4.7	1.72e+03
S IV	661.3960	3s^2 3p ^{2}P$_{3/2}$ - 3s^2 3d ^{2}D$_{5/2}$	5.0	1.90e+04
S IV	661.4550	3s^2 3p ^{2}P$_{3/2}$ - 3s^2 3d ^{2}D$_{3/2}$	5.0	2.15e+03
S V	663.1260	3s 3p ^{3}P$_2$ - 3s 3d ^{3}D$_3$	5.2	3.27e+03
N II	671.3860	2s^2 2p^2 ^{3}P$_2$ - 2s^2 2p 3s ^{3}P$_2$	4.7	2.31e+03
O II	672.9450	2s^2 2p^3 ^{2}P$_{3/2}$ - 2s^2 2p^2 (^{3}P) 3s ^{2}P$_{3/2}$	4.7	1.92e+03
S III	677.7280	3s^2 3p^2 ^{3}P$_0$ - 3s^2 3p 3d ^{3}D$_1$	4.8	1.96e+03
S III	678.4540	3s^2 3p^2 ^{3}P$_1$ - 3s^2 3p 3d ^{3}D$_2$	4.8	4.21e+03
S III	679.1020	3s^2 3p^2 ^{3}P$_1$ - 3s^2 3p 3d ^{3}D$_1$	4.8	1.83e+03
Fe XX	679.2600	2s^2 2p^3 ^{2}D$_{5/2}$ - 2s^2 2p^3 ^{2}P$_{3/2}$	7.1	1.38e+03
S III	680.6760	3s^2 3p^2 ^{3}P$_2$ - 3s^2 3p 3d ^{3}D$_3$	4.8	7.49e+03
S III	680.9240	3s^2 3p^2 ^{3}P$_2$ - 3s^2 3p 3d ^{3}D$_2$	4.8	2.01e+03
S III	680.9730	3s^2 3p^2 ^{3}P$_1$ - 3s^2 3p 4s ^{3}P$_2$	4.8	3.90e+03
S III	681.4880	3s^2 3p^2 ^{3}P$_0$ - 3s^2 3p 4s ^{3}P$_1$	4.8	1.61e+03
S III	683.5890	3s^2 3p^2 ^{1}D$_2$ - 3s^2 3p 3d ^{1}F$_3$	4.8	4.52e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
N III	684.9980	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2P_{3/2}$	4.9	1.10e+04
N III	685.5150	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2P_{1/2}$	4.9	2.19e+04
N III	685.8170	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2P_{3/2}$	4.9	5.52e+04
N III	686.3360	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2P_{1/2}$	4.9	1.11e+04
C II	687.0530	$2s^2\ 2p\ ^2P_{1/2}$ - $2s^2\ 3d\ ^2D_{3/2}$	4.6	6.39e+03
C II	687.3450	$2s^2\ 2p\ ^2P_{3/2}$ - $2s^2\ 3d\ ^2D_{5/2}$	4.6	1.61e+04
C II	687.3520	$2s^2\ 2p\ ^2P_{3/2}$ - $2s^2\ 3d\ ^2D_{3/2}$	4.6	1.28e+03
C III	690.5210	$2s\ 2p\ ^1P_1$ - $2s\ 3s\ ^1S_0$	4.9	7.23e+03
Ni XX	694.6100	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^5\ ^2P_{1/2}$	7.1	4.56e+03
S V	696.6230	$3s\ 3p\ ^1P_1$ - $3s\ 3d\ ^1D_2$	5.2	1.85e+03
S III	700.1480	$3s^2\ 3p^2\ ^3P_1$ - $3s^2\ 3p\ 3d\ ^3P_2$	4.8	1.63e+03
O III	702.3370	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^3\ ^3P_1$	4.9	3.48e+04
S III	702.7780	$3s^2\ 3p^2\ ^3P_2$ - $3s^2\ 3p\ 3d\ ^3P_2$	4.8	3.83e+03
S III	702.8170	$3s^2\ 3p^2\ ^3P_2$ - $3s^2\ 3p\ 3d\ ^3P_1$	4.8	1.34e+03
O III	702.8380	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3P_0$	4.9	3.48e+04
O III	702.8960	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3P_1$	4.9	2.67e+04
O III	702.9000	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3P_2$	4.9	4.29e+04
O III	703.8510	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3P_1$	4.9	4.32e+04
O III	703.8540	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3P_2$	4.9	1.32e+05
S III	710.9600	$3s^2\ 3p^2\ ^1D_2$ - $3s\ 3p^3\ ^1D_2$	4.8	5.99e+03
O II	718.4640	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s\ 2p^4\ ^2D_{3/2}$	4.7	2.89e+03
O II	718.5060	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s\ 2p^4\ ^2D_{5/2}$	4.7	4.08e+04
O II	718.5670	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s\ 2p^4\ ^2D_{3/2}$	4.7	2.66e+04
O II	718.6080	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s\ 2p^4\ ^2D_{5/2}$	4.7	2.79e+03
Fe XX	721.5580	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^3\ ^2D_{3/2}$	7.1	5.24e+04
S III	725.8580	$3s^2\ 3p^2\ ^3P_1$ - $3s\ 3p^3\ ^3S_1$	4.8	2.62e+03
S III	728.6860	$3s^2\ 3p^2\ ^3P_2$ - $3s\ 3p^3\ ^3S_1$	4.8	3.85e+03
S III	729.5250	$3s^2\ 3p^2\ ^1D_2$ - $3s^2\ 3p\ 4s\ ^1P_1$	4.8	2.23e+03
S III	730.0410	$3s^2\ 3p^2\ ^1S_0$ - $3s^2\ 3p\ 3d\ ^1P_1$	4.8	1.83e+03
S IV	744.9040	$3s^2\ 3p\ ^2P_{1/2}$ - $3s\ 3p^2\ ^2P_{3/2}$	5.0	3.90e+03
N II	746.9840	$2s^2\ 2p^2\ ^1D_2$ - $2s^2\ 2p\ 3s\ ^1P_1$	4.7	3.64e+03
S IV	748.3930	$3s^2\ 3p\ ^2P_{1/2}$ - $3s\ 3p^2\ ^2P_{1/2}$	5.0	7.09e+03
S IV	750.2210	$3s^2\ 3p\ ^2P_{3/2}$ - $3s\ 3p^2\ ^2P_{3/2}$	5.0	1.83e+04
S IV	753.7600	$3s^2\ 3p\ ^2P_{3/2}$ - $3s\ 3p^2\ ^2P_{1/2}$	5.0	3.94e+03
O V	758.6770	$2s\ 2p\ ^3P_1$ - $2p^2\ ^3P_2$	5.3	1.37e+04
O V	759.4420	$2s\ 2p\ ^3P_0$ - $2p^2\ ^3P_1$	5.3	1.08e+04
O V	760.2270	$2s\ 2p\ ^3P_1$ - $2p^2\ ^3P_1$	5.3	8.06e+03
O V	760.4460	$2s\ 2p\ ^3P_2$ - $2p^2\ ^3P_2$	5.3	4.08e+04
O V	761.1280	$2s\ 2p\ ^3P_1$ - $2p^2\ ^3P_0$	5.3	5.80e+03
O V	762.0040	$2s\ 2p\ ^3P_2$ - $2p^2\ ^3P_1$	5.3	1.33e+04
N III	763.3340	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2S_{1/2}$	4.9	1.16e+04
N III	764.3510	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2S_{1/2}$	4.9	2.23e+04
N IV	765.1520	$2s^2\ ^1S_0$ - $2s\ 2p\ ^1P_1$	5.1	1.24e+05
Ne VIII	770.4280	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{3/2}$	5.8	1.67e+04
N III	771.5450	$2s\ 2p^2\ ^4P_{1/2}$ - $2p^3\ ^4S_{3/2}$	4.9	2.19e+03
N III	771.9010	$2s\ 2p^2\ ^4P_{3/2}$ - $2p^3\ ^4S_{3/2}$	4.9	4.36e+03
N III	772.3840	$2s\ 2p^2\ ^4P_{5/2}$ - $2p^3\ ^4S_{3/2}$	4.9	6.53e+03
O V	774.5180	$2s\ 2p\ ^1P_1$ - $2p^2\ ^1S_0$	5.4	2.18e+03
N II	775.9650	$2s^2\ 2p^2\ ^1D_2$ - $2s\ 2p^3\ ^1D_2$	4.7	7.16e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Ni XXI	779.4840	$2s^2\ 2p^4\ ^3P_2$ - $2s^2\ 2p^4\ ^3P_1$	7.1	2.06e+03
O IV	779.8200	$2s\ 2p^2\ ^2D_{3/2}$ - $2p^3\ ^2D_{3/2}$	5.2	2.58e+03
O IV	779.9120	$2s\ 2p^2\ ^2D_{5/2}$ - $2p^3\ ^2D_{5/2}$	5.2	4.07e+03
Ne VIII	780.3850	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{1/2}$	5.8	8.26e+03
Fe XXI	786.1600	$2s^2\ 2p^2\ ^3P_2$ - $2s^2\ 2p^2\ ^1D_2$	7.1	6.32e+03
S V	786.4680	$3s^2\ ^1S_0$ - $3s\ 3p\ ^1P_1$	5.2	6.61e+04
O IV	787.7100	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2D_{3/2}$	5.2	1.52e+05
O IV	790.1140	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2D_{3/2}$	5.2	2.92e+04
O IV	790.2010	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2D_{5/2}$	5.2	2.74e+05
O II	796.6440	$2s^2\ 2p^3\ ^2P_{1/2}$ - $2s\ 2p^4\ ^2D_{3/2}$	4.7	2.37e+03
O II	796.6820	$2s^2\ 2p^3\ ^2P_{3/2}$ - $2s\ 2p^4\ ^2D_{5/2}$	4.7	4.34e+03
S III	796.6850	$3s^2\ 3p^2\ ^1D_2$ - $3s\ 3p^3\ ^1P_1$	4.8	5.21e+03
C II	806.3770	$2s\ 2p^2\ ^4P_{3/2}$ - $2s\ 2p\ 3s\ ^4P_{5/2}$	4.7	3.45e+03
C II	806.5330	$2s\ 2p^2\ ^4P_{1/2}$ - $2s\ 2p\ 3s\ ^4P_{3/2}$	4.7	3.42e+03
C II	806.5670	$2s\ 2p^2\ ^4P_{5/2}$ - $2s\ 2p\ 3s\ ^4P_{5/2}$	4.7	8.04e+03
C II	806.6860	$2s\ 2p^2\ ^4P_{1/2}$ - $2s\ 2p\ 3s\ ^4P_{1/2}$	4.7	1.30e+03
C II	806.8230	$2s\ 2p^2\ ^4P_{3/2}$ - $2s\ 2p\ 3s\ ^4P_{1/2}$	4.7	6.49e+03
C II	806.8590	$2s\ 2p^2\ ^4P_{5/2}$ - $2s\ 2p\ 3s\ ^4P_{3/2}$	4.7	3.70e+03
S IV	809.6560	$3s^2\ 3p\ ^2P_{1/2}$ - $3s\ 3p^2\ ^2S_{1/2}$	5.0	2.86e+03
Fe III	813.3770	$3s^2\ 3p^6\ 3d^6\ ^5D_4$ - $3s^2\ 3p^6\ 3d^5\ 4p\ ^5D_4$	4.6	1.32e+03
S IV	815.9410	$3s^2\ 3p\ ^2P_{3/2}$ - $3s\ 3p^2\ ^2S_{1/2}$	5.0	4.04e+03
S III	820.8820	$3s^2\ 3p^2\ ^3P_1$ - $3s^2\ 3p\ 3d\ ^3F_2$	4.7	2.14e+03
S III	822.5640	$3s^2\ 3p^2\ ^3P_2$ - $3s^2\ 3p\ 3d\ ^3F_3$	4.7	4.46e+03
Fe III	823.2570	$3s^2\ 3p^6\ 3d^6\ ^5D_4$ - $3s^2\ 3p^6\ 3d^5\ 4p\ ^5F_5$	4.6	1.27e+03
O II	832.7580	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{1/2}$	4.7	4.24e+04
O III	832.9290	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^3\ ^3D_1$	4.9	5.79e+04
O II	833.3300	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{3/2}$	4.7	8.50e+04
O III	833.7150	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3D_1$	4.9	4.22e+04
O III	833.7490	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3D_2$	4.9	1.31e+05
O II	834.4650	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{5/2}$	4.7	1.28e+05
O III	835.0590	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3D_1$	4.9	2.65e+03
O III	835.0920	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3D_2$	4.9	4.11e+04
O III	835.2890	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3D_3$	4.9	2.40e+05
O III	836.5950	$2s\ 2p^3\ ^1D_2$ - $2s^2\ 2p\ 3p\ ^1D_2$	5.0	1.69e+03
S IV	837.4400	$3s\ 3p^2\ ^2D_{3/2}$ - $3s^2\ 4p\ ^2P_{1/2}$	5.0	1.67e+03
Fe XXII	845.5520	$1s^2\ 2s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 2s^2\ 2p\ ^2P_{3/2}$	7.1	8.83e+04
Fe III	845.6910	$3s^2\ 3p^6\ 3d^6\ ^5D_4$ - $3s^2\ 3p^6\ 3d^5\ 4p\ ^5P_3$	4.6	1.41e+03
S V	854.7680	$3s\ 3p\ ^3P_2$ - $3p^2\ ^3P_2$	5.2	2.05e+03
C II	858.0920	$2s^2\ 2p\ ^2P_{1/2}$ - $2s^2\ 3s\ ^2S_{1/2}$	4.6	6.00e+04
C II	858.5590	$2s^2\ 2p\ ^2P_{3/2}$ - $2s^2\ 3s\ ^2S_{1/2}$	4.6	1.18e+05
Fe III	859.7230	$3s^2\ 3p^6\ 3d^6\ ^5D_4$ - $3s^2\ 3p^6\ 3d^5\ 4p\ ^5F_5$	4.5	2.49e+03
Fe III	861.8370	$3s^2\ 3p^6\ 3d^6\ ^5D_3$ - $3s^2\ 3p^6\ 3d^5\ 4p\ ^5F_4$	4.5	1.54e+03
Ne VII	895.1910	$2s^2\ ^1S_0$ - $2s\ 2p\ ^3P_1$	5.7	1.77e+03
O III	898.9570	$2s\ 2p^3\ ^1D_2$ - $2p^4\ ^1D_2$	5.0	1.32e+03
S III	900.2490	$3s^2\ 3p^2\ ^1D_2$ - $3s^2\ 3p\ 3d\ ^3F_3$	4.7	2.15e+03
S III	902.5690	$3s^2\ 3p^2\ ^1D_2$ - $3s^2\ 3p\ 3d\ ^3F_2$	4.7	1.90e+03
C II	903.6230	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2P_{3/2}$	4.6	1.51e+04
C II	903.9620	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2P_{1/2}$	4.6	2.25e+04
C II	904.1410	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2P_{3/2}$	4.6	7.56e+04

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
C II	904.4800	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2P_{1/2}$	4.6	1.13e+04
S II	906.8760	$3s^2\ 3p^3\ ^4S_{3/2}$ - $3p^2\ (^3P)\ 4s\ ^4P_{5/2}$	4.5	1.94e+03
S II	910.4850	$3s^2\ 3p^3\ ^4S_{3/2}$ - $3p^2\ (^3P)\ 4s\ ^4P_{3/2}$	4.5	1.32e+03
Ni XXIII	910.8630	$2s^2\ 2p^2\ ^3P_0$ - $2s^2\ 2p^2\ ^3P_1$	7.2	6.44e+03