Predicted XUV Line Intensities
CHIANTI database - Version 6.0

Calculated with Constant pressure= 1.00e+16 (cm^{-3} K)
150.1 to 899.0 Å
Number of lines: 1531
Minimum intensity = 100.000
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: Fri Sep 4 11:45:39 2009

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	λ (Å)	Transition	T_{max}	Int
O VI	150.0896	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 3p\ ^2P_{3/2}$	5.5	1.74e+03
O VI	150.1249	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 3p\ ^2P_{1/2}$	5.5	8.79e+02
Ni XXII	150.2810	$2s^2\ 2p^3\ ^2P_{1/2}$ - $2s\ 2p^4\ ^4P_{1/2}$	7.1	1.62e+02
Mn XX	150.7260	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3D_1$	7.1	5.70e+02
Fe X *	151.0980	$3s^2\ 3p^4\ (^1D)\ 3d\ ^2S_{1/2}$ - $3s^2\ 3p^4\ (^1D)\ 4p\ ^2P_{3/2}$	6.1	1.08e+02
Ne V	151.4240	$2s^2\ 2p^2\ ^1D_2$ - $2s^2\ 2p\ 3d\ ^1D_2$	5.5	2.76e+02
Fe XXII	151.5731	$2s\ 2p^2\ ^2D_{3/2}$ - $2p^3\ ^2D_{3/2}$	7.1	1.11e+03
Ne V	151.5820	$2s^2\ 2p^2\ ^1D_2$ - $2s^2\ 2p\ 3d\ ^3F_2$	5.4	1.13e+02
Fe XIX	151.6073	$2s^2\ 2p^4\ ^1S_0$ - $2s\ 2p^5\ ^3P_1$	7.0	2.27e+03
Fe XXI	151.6723	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3D_1$	7.1	4.79e+03
Ni XXV	151.8569	$2s\ 2p\ ^3P_2$ - $2p^2\ ^3P_2$	7.2	1.27e+02
Ni XII	152.1540	$3s^2\ 3p^5\ ^2P_{3/2}$ - $3s^2\ 3p^4\ (^3P)\ 3d\ ^2D_{5/2}$	6.3	1.83e+03
Mg V *	152.5950	$2s^2\ 2p^4\ ^3P_2$ - $2s^2\ 2p^3\ (^4S)\ 3s\ ^5S_2$	5.5	1.43e+02
Ni XII	153.1890	$3s^2\ 3p^5\ ^2P_{1/2}$ - $3s^2\ 3p^4\ (^3P)\ 3d\ ^2D_{3/2}$	6.3	3.51e+02
Ti XVII	153.5510	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3P_1$	6.8	1.74e+02
Ni XII	154.1620	$3s^2\ 3p^5\ ^2P_{3/2}$ - $3s^2\ 3p^4\ (^3P)\ 3d\ ^2P_{3/2}$	6.3	9.05e+02
Fe XXIII	154.3034	$2s\ 2p\ ^3P_1$ - $2p^2\ ^3P_1$	7.2	3.82e+03
Ca XVI	154.8635	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2P_{3/2}$	6.8	7.48e+02
Fe XXI	155.0934	$2s\ 2p^3\ ^3S_1$ - $2p^4\ ^3P_1$	7.1	1.06e+02
Fe XX	155.1304	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s\ 2p^4\ ^4P_{3/2}$	7.1	8.56e+02
Cr XX	155.9800	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2D_{3/2}$	7.0	8.21e+03
Fe XXII	156.0193	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2D_{5/2}$	7.1	2.15e+04
Fe X *	156.1730	$3s^2\ 3p^4\ (^3P)\ 3d\ ^2P_{3/2}$ - $3s^2\ 3p^4\ (^1D)\ 4p\ ^2P_{3/2}$	6.1	2.18e+02
Fe XXI	156.2415	$2s\ 2p^3\ ^3S_1$ - $2p^4\ ^3P_0$	7.1	2.94e+02
Ni XXII	156.5670	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s\ 2p^4\ ^4P_{5/2}$	7.1	5.71e+02
Ne V	156.6180	$2s^2\ 2p^2\ ^1S_0$ - $2s^2\ 2p\ 3d\ ^1P_1$	5.5	1.78e+02
Ca XIII	156.6748	$2s^2\ 2p^4\ ^3P_2$ - $2s\ 2p^5\ ^3P_1$	6.6	4.43e+02
Fe XVI	156.9520	$4f\ ^2F_{5/2}$ - $5g\ ^2G_{7/2}$	6.8	3.62e+02
Fe XXII	156.9950	$2s\ 2p^2\ ^2D_{5/2}$ - $2p^3\ ^2D_{3/2}$	7.1	6.87e+02
Fe XVI	157.0630	$4f\ ^2F_{7/2}$ - $5g\ ^2G_{9/2}$	6.8	4.69e+02
Fe XXII	157.3934	$2s\ 2p^2\ ^2P_{3/2}$ - $2p^3\ ^2P_{3/2}$	7.1	5.52e+02
Ni XIII	157.7290	$3s^2\ 3p^4\ ^3P_2$ - $3s^2\ 3p^3\ (^4S)\ 3d\ ^3D_3$	6.3	2.00e+03
Ca XVI	157.7840	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2P_{1/2}$	6.8	1.04e+03
Ti XVI	157.7940	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{1/2}$	6.8	1.75e+02
Ni XII	157.8130	$3s^2\ 3p^5\ ^2P_{1/2}$ - $3s^2\ 3p^4\ (^3P)\ 3d\ ^2P_{1/2}$	6.3	1.74e+02
Ni XIII *	157.8720	$3s^2\ 3p^4\ ^3P_2$ - $3s^2\ 3p^3\ (^2D)\ 3d\ ^1P_1$	6.3	1.58e+02
Ni XIII	158.7710	$3s^2\ 3p^4\ ^3P_0$ - $3s^2\ 3p^3\ (^4S)\ 3d\ ^3D_1$	6.3	1.26e+02
Fe X *	158.7860	$3s^2\ 3p^4\ (^3P)\ 3d\ ^2D_{5/2}$ - $3s^2\ 3p^4\ (^1D)\ 4p\ ^2P_{3/2}$	6.1	3.35e+02
Fe XV *	159.0030	$3s\ 4p\ ^1P_1$ - $3s\ 5s\ ^1S_0$	6.7	1.48e+02
Ar XIII	159.0890	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^3\ ^3S_1$	6.6	1.04e+02
Ni XIII	159.9700	$3s^2\ 3p^4\ ^3P_1$ - $3s^2\ 3p^3\ (^4S)\ 3d\ ^3D_2$	6.3	2.66e+02
Cr XIX	160.0370	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3D_1$	7.0	1.07e+03
Ni XII	160.5550	$3s^2\ 3p^5\ ^2P_{3/2}$ - $3s^2\ 3p^4\ (^1D)\ 3d\ ^2S_{1/2}$	6.3	3.92e+02
Ti XVI	161.1530	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{3/2}$	6.8	3.33e+02
Ar XIII	161.6240	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3S_1$	6.6	3.03e+02
Ca XIII	161.7393	$2s^2\ 2p^4\ ^3P_2$ - $2s\ 2p^5\ ^3P_2$	6.6	1.76e+03
Fe XXII	161.7700	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2D_{3/2}$	7.1	1.69e+03
Fe IX *	162.2330	$3s^2\ 3p^5\ 3d\ ^3P_2$ - $3s^2\ 3p^4\ (^3P)\ 3d^2\ ^3D_3$	5.9	1.37e+02
Ni XIII *	162.4600	$3s^2\ 3p^4\ ^3P_1$ - $3s^2\ 3p^3\ (^2D)\ 3d\ ^1P_1$	6.3	1.18e+02

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XX	162.7297	$2s\ 2p^4\ ^2P_{1/2}$ - $2p^5\ ^2P_{3/2}$	7.1	1.36e+02
Fe XX	162.8150	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s\ 2p^4\ ^4P_{5/2}$	7.1	1.79e+04
Ca XIII	162.9196	$2s^2\ 2p^4\ ^3P_1$ - $2s\ 2p^5\ ^3P_1$	6.6	2.22e+02
Ca XIII	164.0999	$2s^2\ 2p^4\ ^3P_0$ - $2s\ 2p^5\ ^3P_1$	6.6	2.82e+02
Ni XIII	164.1500	$3s^2\ 3p^4\ ^3P_2$ - $3s^2\ 3p^3\ (^2D)\ 3d\ ^3P_2$	6.3	1.17e+03
Ca XVI	164.1716	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2P_{3/2}$	6.8	3.99e+03
Ni XIII *	164.3840	$3s^2\ 3p^4\ ^3P_2$ - $3s^2\ 3p^3\ (^2D)\ 3d\ ^3S_1$	6.3	3.10e+02
O V	164.6570	$2s\ 2p\ ^3P_2$ - $2p\ 3p\ ^3P_2$	5.4	1.20e+02
Ni XIV	164.8003	$3s^2\ 3p^3\ ^2D_{5/2}$ - $3s^2\ 3p^2\ (^3P)\ 3d\ ^2F_{7/2}$	6.4	2.73e+02
Ar XIII	164.8190	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3S_1$	6.6	5.39e+02
Ni XXV	165.1523	$2s\ 2p\ ^3P_2$ - $2p^2\ ^3P_1$	7.2	1.33e+02
Ni XXVI	165.3770	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{3/2}$	7.3	6.15e+04
Ar X	166.3655	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s\ 2p^6\ ^2S_{1/2}$	6.2	1.94e+02
Fe XXIII	166.6859	$2s\ 2p\ ^3P_2$ - $2p^2\ ^3P_2$	7.2	3.22e+03
Ni XII	166.8860	$3s^2\ 3p^5\ ^2P_{1/2}$ - $3s^2\ 3p^4\ (^1D)\ 3d\ ^2S_{1/2}$	6.3	1.05e+02
Ca XVI	167.4574	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2P_{1/2}$	6.8	3.52e+03
Ne V	167.4740	$2s^2\ 2p^2\ ^3P_1$ - $2s^2\ 2p\ 3s\ ^3P_2$	5.4	1.78e+02
Fe VIII	167.4860	$3p^6\ 3d\ ^2D_{3/2}$ - $3p^5\ 3d^2\ (^3F)\ ^2D_{3/2}$	5.7	5.48e+03
Ne V	167.6090	$2s^2\ 2p^2\ ^3P_0$ - $2s^2\ 2p\ 3s\ ^3P_1$	5.4	1.43e+02
Fe VIII	167.6550	$3p^6\ 3d\ ^2D_{3/2}$ - $3p^5\ 3d^2\ (^3F)\ ^2D_{5/2}$	5.7	5.05e+02
Ne V	167.6700	$2s^2\ 2p^2\ ^3P_2$ - $2s^2\ 2p\ 3s\ ^3P_2$	5.4	5.33e+02
Ne V	167.7260	$2s^2\ 2p^2\ ^3P_1$ - $2s^2\ 2p\ 3s\ ^3P_1$	5.4	1.07e+02
Fe IX *	167.7340	$3s^2\ 3p^5\ 3d\ ^3F_2$ - $3s^2\ 3p^4\ (^3P)\ 3d^2\ ^1D_2$	5.9	2.45e+02
Ne V	167.8300	$2s^2\ 2p^2\ ^3P_1$ - $2s^2\ 2p\ 3s\ ^3P_0$	5.4	1.33e+02
Ne V	167.9220	$2s^2\ 2p^2\ ^3P_2$ - $2s^2\ 2p\ 3s\ ^3P_1$	5.4	1.79e+02
O V	167.9880	$2s\ 2p\ ^3P_2$ - $2p\ 3p\ ^3D_3$	5.4	4.06e+02
O V	167.9910	$2s\ 2p\ ^3P_1$ - $2p\ 3p\ ^3D_2$	5.4	1.26e+02
Fe VIII	168.0030	$3p^6\ 3d\ ^2D_{5/2}$ - $3p^5\ 3d^2\ (^3F)\ ^2D_{3/2}$	5.7	5.82e+02
Fe VIII	168.0240	$3p^6\ 3d\ ^2D_{3/2}$ - $3p^5\ 3d^2\ (^3P)\ ^2P_{3/2}$	5.7	5.59e+02
Ni XIV	168.1203	$3s^2\ 3p^3\ ^4S_{3/2}$ - $3s^2\ 3p^2\ (^3P)\ 3d\ ^2P_{1/2}$	6.4	3.06e+02
Fe VIII	168.1730	$3p^6\ 3d\ ^2D_{5/2}$ - $3p^5\ 3d^2\ (^3F)\ ^2D_{5/2}$	5.7	9.19e+03
Fe IX *	168.3820	$3s^2\ 3p^5\ 3d\ ^3D_3$ - $3s^2\ 3p^4\ (^3P)\ 3d^2\ ^1F_3$	5.9	1.01e+02
Ca XIII	168.4029	$2s^2\ 2p^4\ ^3P_1$ - $2s\ 2p^5\ ^3P_2$	6.6	5.10e+02
Fe VIII	168.5440	$3p^6\ 3d\ ^2D_{5/2}$ - $3p^5\ 3d^2\ (^3P)\ ^2P_{3/2}$	5.7	4.57e+03
Fe IX *	168.5570	$3s^2\ 3p^5\ 3d\ ^3F_3$ - $3s^2\ 3p^4\ (^3P)\ 3d^2\ ^3F_3$	5.9	7.46e+02
Fe IX *	168.6470	$3s^2\ 3p^5\ 3d\ ^3F_4$ - $3s^2\ 3p^4\ (^3P)\ 3d^2\ ^3F_4$	5.9	1.50e+03
Ne VI	168.7670	$2s\ 2p^2\ ^2D_{5/2}$ - $2s^2\ 3p\ ^2P_{3/2}$	5.7	4.33e+02
Ne VI	168.8500	$2s\ 2p^2\ ^2D_{3/2}$ - $2s^2\ 3p\ ^2P_{1/2}$	5.7	2.37e+02
Ca XVI	168.8539	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2S_{1/2}$	6.8	1.06e+04
Fe VIII	168.9290	$3p^6\ 3d\ ^2D_{3/2}$ - $3p^5\ 3d^2\ (^3P)\ ^2P_{1/2}$	5.7	2.40e+03
Fe XXII	169.1123	$2s\ 2p^2\ ^2S_{1/2}$ - $2p^3\ ^2P_{1/2}$	7.1	6.64e+02
Fe IX *	169.3080	$3s^2\ 3p^5\ 3d\ ^3F_2$ - $3s^2\ 3p^4\ (^3P)\ 3d^2\ ^3F_2$	5.9	1.62e+02
Ti XIX	169.5800	$2s^2\ ^1S_0$ - $2s\ 2p\ ^1P_1$	7.0	4.52e+03
Ni XIII	169.5900	$3s^2\ 3p^4\ ^3P_1$ - $3s^2\ 3p^3\ (^2D)\ 3d\ ^3P_2$	6.3	1.78e+02
Fe IX *	169.6490	$3s^2\ 3p^5\ 3d\ ^3F_3$ - $3s^2\ 3p^4\ (^3P)\ 3d^2\ ^3F_4$	5.9	1.34e+02
Ti XVI	169.7350	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{5/2}$	6.8	4.72e+02
Fe IX *	169.8480	$3s^2\ 3p^5\ 3d\ ^3F_2$ - $3s^2\ 3p^4\ (^3P)\ 3d^2\ ^3F_3$	5.9	1.08e+02
Ni XIV	170.5003	$3s^2\ 3p^3\ ^4S_{3/2}$ - $3s^2\ 3p^2\ (^3P)\ 3d\ ^4P_{3/2}$	6.4	1.19e+03
Fe IX *	170.5310	$3s^2\ 3p^5\ 3d\ ^3P_1$ - $3s^2\ 3p^4\ (^1D)\ 3d^2\ ^3P_2$	5.9	1.75e+02

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe X	170.5750	$3s^2\ 3p^5\ ^2P_{3/2}$ - $3s^2\ 3p^4\ (^3P)\ 3d\ ^2D_{3/2}$	6.1	2.19e+02
Fe IX *	170.6870	$3s^2\ 3p^5\ 3d\ ^3P_2$ - $3s^2\ 3p^4\ (^1D)\ 3d^2\ ^1D_2$	5.9	1.07e+02
Fe IX	171.0730	$3s^2\ 3p^6\ ^1S_0$ - $3s^2\ 3p^5\ 3d\ ^1P_1$	5.9	3.17e+04
Fe IX *	171.3290	$3s^2\ 3p^5\ 3d\ ^1F_3$ - $3s^2\ 3p^4\ (^3P)\ 3d^2\ ^1F_3$	5.9	6.57e+02
Ni XIV	171.3703	$3s^2\ 3p^3\ ^4S_{3/2}$ - $3s^2\ 3p^2\ (^3P)\ 3d\ ^4P_{5/2}$	6.4	1.79e+03
O V	171.5730	$2s^2\ ^1S_0$ - $2s\ 3p\ ^3P_1$	5.4	1.45e+02
Ca XV	171.5964	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^3\ ^3P_1$	6.7	1.12e+03
Fe XX	171.7248	$2s^2\ 2p^3\ ^2P_{1/2}$ - $2s\ 2p^4\ ^4P_{1/2}$	7.1	1.63e+03
Fe IX *	171.8980	$3s^2\ 3p^5\ 3d\ ^3P_2$ - $3s^2\ 3p^4\ (^1D)\ 3d^2\ ^3P_1$	5.9	2.12e+02
Fe IX *	172.1020	$3s^2\ 3p^5\ 3d\ ^3P_2$ - $3s^2\ 3p^4\ (^1D)\ 3d^2\ ^3P_2$	5.9	4.66e+02
O V	172.1690	$2s^2\ ^1S_0$ - $2s\ 3p\ ^1P_1$	5.4	3.06e+03
Fe IX *	172.2600	$3s^2\ 3p^5\ 3d\ ^3P_0$ - $3s^2\ 3p^4\ (^3P)\ 3d^2\ ^3S_1$	5.9	1.48e+02
Ti XVII	172.3810	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^3\ ^3D_1$	6.8	7.13e+02
Fe IX *	172.8700	$3s^2\ 3p^5\ 3d\ ^3D_3$ - $3s^2\ 3p^4\ (^3P)\ 3d^2\ ^3D_2$	5.9	2.62e+02
O VI	172.9357	$1s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 3d\ ^2D_{3/2}$	5.5	1.38e+03
Fe IX *	173.0170	$3s^2\ 3p^5\ 3d\ ^3P_1$ - $3s^2\ 3p^4\ (^3P)\ 3d^2\ ^3S_1$	5.9	2.72e+02
O VI	173.0798	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 3d\ ^2D_{5/2}$	5.5	2.48e+03
O VI	173.0951	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 3d\ ^2D_{3/2}$	5.5	2.75e+02
Fe XXII	173.2031	$2s\ 2p^2\ ^2P_{3/2}$ - $2p^3\ ^2P_{1/2}$	7.1	1.25e+02
Fe XXIII	173.3181	$2s\ 2p\ ^3P_1$ - $2p^2\ ^3P_0$	7.2	1.82e+03
Fe XX	173.4049	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s\ 2p^4\ ^4P_{5/2}$	7.1	7.40e+03
Fe IX *	173.6770	$3s^2\ 3p^5\ 3d\ ^3P_2$ - $3s^2\ 3p^4\ (^1D)\ 3d^2\ ^3D_3$	5.9	1.20e+02
Ne V	173.9320	$2s^2\ 2p^2\ ^1D_2$ - $2s^2\ 2p\ 3s\ ^1P_1$	5.4	4.23e+02
Fe IX *	174.0460	$3s^2\ 3p^5\ 3d\ ^3D_2$ - $3s^2\ 3p^4\ (^3P)\ 3d^2\ ^3P_2$	5.9	2.47e+02
Fe IX *	174.0790	$3s^2\ 3p^5\ 3d\ ^3D_3$ - $3s^2\ 3p^4\ (^3P)\ 3d^2\ ^3D_3$	5.9	6.65e+02
Fe IX *	174.1420	$3s^2\ 3p^5\ 3d\ ^3D_1$ - $3s^2\ 3p^4\ (^3P)\ 3d^2\ ^3D_1$	5.9	1.87e+02
Fe IX *	174.4450	$3s^2\ 3p^5\ 3d\ ^1D_2$ - $3s^2\ 3p^4\ (^3P)\ 3d^2\ ^1D_2$	5.9	1.77e+02
Fe IX *	174.5020	$3s^2\ 3p^5\ 3d\ ^1D_2$ - $3s^2\ 3p^4\ (^3P)\ 3d^2\ ^1P_1$	5.9	2.68e+02
Fe X	174.5310	$3s^2\ 3p^5\ ^2P_{3/2}$ - $3s^2\ 3p^4\ (^3P)\ 3d\ ^2D_{5/2}$	6.1	1.34e+04
Fe IX *	174.9890	$3s^2\ 3p^5\ 3d\ ^3D_2$ - $3s^2\ 3p^4\ (^3P)\ 3d^2\ ^3D_2$	5.9	1.48e+02
Fe IX *	175.0250	$3s^2\ 3p^5\ 3d\ ^1F_3$ - $3s^2\ 3p^4\ (^3P)\ 3d^2\ ^3P_2$	5.9	1.79e+02
Fe X	175.2630	$3s^2\ 3p^5\ ^2P_{1/2}$ - $3s^2\ 3p^4\ (^3P)\ 3d\ ^2D_{3/2}$	6.1	4.74e+03
K XV	175.4110	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2P_{3/2}$	6.7	1.13e+02
Fe X	175.4750	$3s^2\ 3p^5\ ^2P_{3/2}$ - $3s^2\ 3p^4\ (^3P)\ 3d\ ^2P_{1/2}$	6.1	6.16e+02
Ni XXIII	175.5780	$2s^2\ 2p^2\ ^1D_2$ - $2s\ 2p^3\ ^3D_1$	7.2	5.68e+02
Ni XX	175.6482	$2s^2\ 2p^4\ (^3P)\ 3s\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^1D)\ 3p\ ^2P_{3/2}$	7.1	2.18e+02
Ni XIX *	175.7222	$2p^5\ 3s\ ^3P_1$ - $2p^5\ 3p\ ^1S_0$	7.0	2.07e+03
Fe IX *	175.7950	$3s^2\ 3p^5\ 3d\ ^3D_3$ - $3s^2\ 3p^4\ (^3P)\ 3d^2\ ^3F_2$	5.9	1.29e+02
Fe IX *	175.9780	$3s^2\ 3p^5\ 3d\ ^1F_3$ - $3s^2\ 3p^4\ (^3P)\ 3d^2\ ^3D_2$	5.9	1.12e+02
Ni XV	176.1050	$3s^2\ 3p^2\ ^3P_1$ - $3s^2\ 3p\ 3d\ ^3D_1$	6.4	3.10e+02
Fe IX *	176.1480	$3s^2\ 3p^5\ 3d\ ^1D_2$ - $3s^2\ 3p^4\ (^3P)\ 3d^2\ ^3F_2$	5.9	1.08e+02
Ni XV	176.7410	$3s^2\ 3p^2\ ^3P_0$ - $3s^2\ 3p\ 3d\ ^3P_1$	6.4	1.78e+03
Ca XV	176.9260	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3P_1$	6.7	1.81e+03
Ni XIX *	177.2387	$2p^5\ 3p\ ^3D_2$ - $2p^5\ 3d\ ^1D_2$	7.0	1.97e+02
Fe X	177.2400	$3s^2\ 3p^5\ ^2P_{3/2}$ - $3s^2\ 3p^4\ (^3P)\ 3d\ ^2P_{3/2}$	6.1	7.40e+03
Fe IX *	177.4180	$3s^2\ 3p^5\ 3d\ ^3F_4$ - $3s^2\ 3p^4\ (^1D)\ 3d^2\ ^3D_3$	5.9	1.51e+03
S X	177.5448	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s\ 2p^4\ ^2P_{1/2}$	6.2	1.34e+02
Ni XIV	177.5603	$3s^2\ 3p^3\ ^2D_{5/2}$ - $3s^2\ 3p^2\ (^1S)\ 3d\ ^2D_{5/2}$	6.4	1.18e+02
Fe IX *	177.5720	$3s^2\ 3p^5\ 3d\ ^3D_3$ - $3s^2\ 3p^4\ (^3P)\ 3d^2\ ^3F_4$	5.9	3.45e+02

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XV *	177.6970	$3s\ 4f\ ^1F_3$ - $3s\ 5g\ ^1G_4$	6.7	1.23e+02
Fe XI	178.0600	$3s^2\ 3p^4\ ^3P_2$ - $3s^2\ 3p^3\ (^4S)\ 3d\ ^3D_2$	6.2	8.91e+02
Fe IX *	178.1840	$3s^2\ 3p^5\ 3d\ ^3F_3$ - $3s^2\ 3p^4\ (^1D)\ 3d^2\ ^3D_2$	5.9	7.56e+02
Co XXV	178.1963	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{3/2}$	7.3	3.25e+03
Fe IX *	178.5830	$3s^2\ 3p^5\ 3d\ ^3D_2$ - $3s^2\ 3p^4\ (^3P)\ 3d^2\ ^3F_3$	5.9	1.59e+02
Ni XV	178.8900	$3s^2\ 3p^2\ ^3P_2$ - $3s^2\ 3p\ 3d\ ^3D_2$	6.4	1.53e+02
Fe XXI	178.8961	$2s^2\ 2p^2\ ^1D_2$ - $2s\ 2p^3\ ^3D_3$	7.1	9.33e+02
Cr XX	179.1550	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2D_{3/2}$	7.0	1.03e+02
Fe IX *	179.2630	$3s^2\ 3p^5\ 3d\ ^3F_2$ - $3s^2\ 3p^4\ (^1D)\ 3d^2\ ^3D_1$	5.9	4.38e+02
Ni XV	179.2730	$3s^2\ 3p^2\ ^3P_2$ - $3s^2\ 3p\ 3d\ ^3D_3$	6.4	6.34e+02
S IX	179.2830	$2s^2\ 2p^4\ ^1D_2$ - $2s\ 2p^5\ ^1P_1$	6.1	1.26e+02
Fe XI	179.7640	$3s^2\ 3p^4\ ^1D_2$ - $3s^2\ 3p^3\ (^2D)\ 3d\ ^1F_3$	6.2	1.87e+03
Ti XVIII	179.8960	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2D_{3/2}$	6.9	8.37e+02
Ca XVI	179.9801	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2S_{1/2}$	6.8	3.74e+02
Fe XXIII	180.0404	$2s\ 2p\ ^3P_2$ - $2p^2\ ^3P_1$	7.2	3.49e+03
Ni XV	180.0560	$3s^2\ 3p^2\ ^3P_2$ - $3s^2\ 3p\ 3d\ ^3D_1$	6.4	1.12e+02
Ar XIV	180.2920	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2P_{3/2}$	6.6	1.49e+02
Fe XI	180.4080	$3s^2\ 3p^4\ ^3P_2$ - $3s^2\ 3p^3\ (^4S)\ 3d\ ^3D_3$	6.2	1.00e+04
Fe X	180.4410	$3s^2\ 3p^5\ ^2P_{1/2}$ - $3s^2\ 3p^4\ (^3P)\ 3d\ ^2P_{1/2}$	6.1	1.90e+03
Fe XI	180.6000	$3s^2\ 3p^4\ ^3P_1$ - $3s^2\ 3p^3\ (^4S)\ 3d\ ^3D_1$	6.2	9.36e+02
Fe IX *	180.6350	$3s^2\ 3p^5\ 3d\ ^3F_4$ - $3s^2\ 3p^4\ (^1S)\ 3d^2\ ^3F_4$	5.9	1.43e+02
S X	180.7338	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s\ 2p^4\ ^2P_{3/2}$	6.2	4.36e+02
Fe XXI	180.7746	$2s^2\ 2p^2\ ^1S_0$ - $2s\ 2p^3\ ^3P_1$	7.1	9.26e+02
K XV	180.8780	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2S_{1/2}$	6.7	2.41e+02
Fe XI	181.1370	$3s^2\ 3p^4\ ^3P_0$ - $3s^2\ 3p^3\ (^4S)\ 3d\ ^3D_1$	6.2	1.31e+03
Fe XXI	181.5775	$2s\ 2p^3\ ^3S_1$ - $2p^4\ ^3P_2$	7.1	1.73e+02
Ti XVII	181.6690	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3D_1$	6.8	1.39e+02
Mg X	181.8615	$1s^2\ 3p\ ^2P_{3/2}$ - $1s^2\ 4d\ ^2D_{5/2}$	6.8	1.02e+02
Ca XV	181.8996	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3P_2$	6.7	1.34e+02
C VI	182.0886	$2p\ ^2P_{1/2}$ - $3d\ ^2D_{3/2}$	7.1	1.27e+02
C VI	182.0972	$2s\ ^2S_{1/2}$ - $3p\ ^2P_{3/2}$	7.1	3.16e+02
C VI	182.1326	$2p\ ^2P_{1/2}$ - $3s\ ^2S_{1/2}$	7.1	2.11e+02
C VI	182.1439	$2s\ ^2S_{1/2}$ - $3p\ ^2P_{1/2}$	7.1	1.58e+02
Fe XI	182.1690	$3s^2\ 3p^4\ ^3P_1$ - $3s^2\ 3p^3\ (^4S)\ 3d\ ^3D_2$	6.2	3.21e+03
C VI	182.2307	$2p\ ^2P_{3/2}$ - $3d\ ^2D_{5/2}$	7.1	2.28e+02
C VI	182.2903	$2p\ ^2P_{3/2}$ - $3s\ ^2S_{1/2}$	7.1	4.24e+02
Fe X	182.3070	$3s^2\ 3p^5\ ^2P_{1/2}$ - $3s^2\ 3p^4\ (^3P)\ 3d\ ^2P_{3/2}$	6.1	2.00e+02
Fe XI *	182.4800	$3s^2\ 3p^4\ ^3P_1$ - $3s^2\ 3p^3\ (^2D)\ 3d\ ^3P_0$	6.2	7.67e+02
Ca XV	182.8668	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3P_1$	6.7	1.06e+03
Fe IX *	183.3280	$3s^2\ 3p^5\ 3d\ ^3F_3$ - $3s^2\ 3p^4\ (^3P)\ 3d^2\ ^3F_3$	5.9	1.31e+02
Fe IX *	183.3650	$3s^2\ 3p^5\ 3d\ ^3F_4$ - $3s^2\ 3p^4\ (^3P)\ 3d^2\ ^1G_4$	5.9	1.40e+02
Ar XIV	183.4500	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2P_{1/2}$	6.6	3.27e+02
Ca XIV	183.4603	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{1/2}$	6.7	1.19e+03
Fe IX *	183.8490	$3s^2\ 3p^5\ 3d\ ^3D_3$ - $3s^2\ 3p^4\ (^1D)\ 3d^2\ ^1D_2$	5.9	1.08e+02
O VI	183.9372	$1s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 3s\ ^2S_{1/2}$	5.5	8.59e+02
O VI	184.1175	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 3s\ ^2S_{1/2}$	5.5	1.73e+03
Ni XXII	184.2130	$2s^2\ 2p^3\ ^2P_{3/2}$ - $2s\ 2p^4\ ^4P_{3/2}$	7.1	1.55e+02
Fe IX *	184.2350	$3s^2\ 3p^5\ 3d\ ^1D_2$ - $3s^2\ 3p^4\ (^1D)\ 3d^2\ ^1D_2$	5.9	1.25e+02
Fe XXII	184.2988	$2s\ 2p^2\ ^2P_{1/2}$ - $2p^3\ ^2D_{3/2}$	7.1	7.89e+02

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Ar XI	184.5240	$2s^2\ 2p^4\ ^3P_2$ - $2s\ 2p^5\ ^3P_1$	6.3	1.09e+02
Fe X	184.5370	$3s^2\ 3p^5\ ^2P_{3/2}$ - $3s^2\ 3p^4\ (^1D)\ 3d\ ^2S_{1/2}$	6.1	3.36e+03
Ne V	184.7350	$2s^2\ 2p^2\ ^1S_0$ - $2s^2\ 2p\ 3s\ ^1P_1$	5.4	1.33e+02
Fe XI	184.8030	$3s^2\ 3p^4\ ^1D_2$ - $3s^2\ 3p^3\ (^2D)\ 3d\ ^1D_2$	6.2	1.08e+03
Ni XV	184.8840	$3s^2\ 3p^2\ ^3P_1$ - $3s^2\ 3p\ 3d\ ^3P_2$	6.4	1.73e+02
Ni XXIV	185.1663	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^4P_{3/2}$	7.2	1.26e+02
Fe VIII	185.2130	$3p^6\ 3d\ ^2D_{5/2}$ - $3p^5\ 3d^2\ (^3F)\ ^2F_{7/2}$	5.7	8.25e+03
Ni XVI	185.2300	$3s^2\ 3p\ ^2P_{1/2}$ - $3s^2\ 3d\ ^2D_{3/2}$	6.5	2.12e+03
Mn VIII	185.4550	$3s^2\ 3p^6\ ^1S_0$ - $3s^2\ 3p^5\ 3d\ ^1P_1$	5.8	3.31e+02
Ni XV	185.7280	$3s^2\ 3p^2\ ^3P_2$ - $3s^2\ 3p\ 3d\ ^3P_1$	6.4	1.61e+02
O V	185.7450	$2s\ 2p\ ^1P_1$ - $2p\ 3p\ ^1D_2$	5.4	1.36e+02
Fe XII	186.2410	$3s^2\ 3p^3\ ^4S_{3/2}$ - $3s^2\ 3p^2\ (^1S)\ 3d\ ^2D_{5/2}$	6.2	1.01e+02
Fe VIII	186.5990	$3p^6\ 3d\ ^2D_{3/2}$ - $3p^5\ 3d^2\ (^3F)\ ^2F_{5/2}$	5.7	5.57e+03
Ca XIV	186.6103	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{3/2}$	6.7	2.32e+03
Fe XI *	186.6830	$3s^2\ 3p^4\ ^3P_2$ - $3s^2\ 3p^3\ (^2D)\ 3d\ ^3S_1$	6.2	6.21e+02
Ni XIX *	186.7860	$2p^5\ 3p\ ^1P_1$ - $2p^5\ 3d\ ^1D_2$	7.0	3.01e+02
S XI	186.8394	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^3\ ^3S_1$	6.3	3.39e+02
Fe XII	186.8540	$3s^2\ 3p^3\ ^2D_{3/2}$ - $3s^2\ 3p^2\ (^3P)\ 3d\ ^2F_{5/2}$	6.2	1.72e+03
Fe XII	186.8870	$3s^2\ 3p^3\ ^2D_{5/2}$ - $3s^2\ 3p^2\ (^3P)\ 3d\ ^2F_{7/2}$	6.2	3.68e+03
Mg X	187.1786	$1s^2\ 3d\ ^2D_{5/2}$ - $1s^2\ 4f\ ^2F_{7/2}$	6.8	1.35e+02
Fe VIII	187.2400	$3p^6\ 3d\ ^2D_{5/2}$ - $3p^5\ 3d^2\ (^3F)\ ^2F_{5/2}$	5.7	2.54e+02
Fe IX *	187.3680	$3s^2\ 3p^5\ 3d\ ^1F_3$ - $3s^2\ 3p^4\ (^1D)\ 3d^2\ ^1D_2$	5.9	1.36e+02
Ne X	187.5306	$3p\ ^2P_{3/2}$ - $4s\ ^2S_{1/2}$	7.1	1.23e+02
Fe XXI	187.9291	$2s^2\ 2p^2\ ^1D_2$ - $2s\ 2p^3\ ^3D_1$	7.1	9.42e+03
Ar XIV	187.9690	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2P_{3/2}$	6.6	7.77e+02
Fe XII	188.1700	$3s^2\ 3p^3\ ^2P_{1/2}$ - $3s^2\ 3p^2\ (^3P)\ 3d\ ^2D_{3/2}$	6.2	1.51e+02
Fe XI	188.2320	$3s^2\ 3p^4\ ^3P_2$ - $3s^2\ 3p^3\ (^2D)\ 3d\ ^3P_2$	6.2	5.17e+03
Fe IX *	188.2630	$3s^2\ 3p^5\ 3d\ ^3F_2$ - $3s^2\ 3p^4\ (^1D)\ 3d^2\ ^1F_3$	5.9	1.28e+02
Fe XI	188.2990	$3s^2\ 3p^4\ ^3P_2$ - $3s^2\ 3p^3\ (^2D)\ 3d\ ^1P_1$	6.2	1.95e+03
Mn IX	188.4804	$3s^2\ 3p^5\ ^2P_{3/2}$ - $3s^2\ 3p^4\ (^3P)\ 3d\ ^2D_{5/2}$	6.0	1.33e+02
Fe IX	188.4970	$3s^2\ 3p^5\ 3d\ ^3F_4$ - $3s^2\ 3p^4\ (^3P)\ 3d^2\ ^3G_5$	5.9	2.05e+03
S XI	188.6753	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3S_1$	6.3	1.01e+03
Fe IX	188.6860	$3s^2\ 3p^5\ 3d\ ^3F_4$ - $3s^2\ 3p^4\ (^3P)\ 3d^2\ ^3G_4$	5.9	1.13e+02
Ar XI	188.8060	$2s^2\ 2p^4\ ^3P_2$ - $2s\ 2p^5\ ^3P_2$	6.3	4.10e+02
Fe IX *	189.0120	$3s^2\ 3p^5\ 3d\ ^1F_3$ - $3s^2\ 3p^4\ (^1D)\ 3d^2\ ^1G_4$	5.9	5.63e+02
Fe XI	189.1300	$3s^2\ 3p^4\ ^3P_1$ - $3s^2\ 3p^3\ (^2D)\ 3d\ ^3P_1$	6.2	6.32e+02
Ni XV	189.2430	$3s^2\ 3p^2\ ^3P_2$ - $3s^2\ 3p\ 3d\ ^3P_2$	6.4	1.50e+02
Fe XI *	189.5640	$3s^2\ 3p^4\ ^3P_2$ - $3s^2\ 3p^3\ (^2P)\ 3d\ ^1F_3$	6.2	1.90e+02
Fe IX	189.5820	$3s^2\ 3p^5\ 3d\ ^3F_3$ - $3s^2\ 3p^4\ (^3P)\ 3d^2\ ^3G_3$	5.9	1.49e+02
Fe XI	189.7190	$3s^2\ 3p^4\ ^3P_0$ - $3s^2\ 3p^3\ (^2D)\ 3d\ ^3P_1$	6.2	4.86e+02
Fe IX	189.9410	$3s^2\ 3p^5\ 3d\ ^3F_3$ - $3s^2\ 3p^4\ (^3P)\ 3d^2\ ^3G_4$	5.9	1.23e+03
Fe X	190.0370	$3s^2\ 3p^5\ ^2P_{1/2}$ - $3s^2\ 3p^4\ (^1D)\ 3d\ ^2S_{1/2}$	6.1	9.44e+02
Fe XII	190.0680	$3s^2\ 3p^3\ ^4S_{3/2}$ - $3s^2\ 3p^2\ (^1S)\ 3d\ ^2D_{3/2}$	6.2	1.20e+02
Mg X	190.5600	$1s^2\ 3p\ ^2P_{3/2}$ - $1s^2\ 4s\ ^2S_{1/2}$	6.8	1.00e+02
Fe IX *	190.9130	$3s^2\ 3p^5\ 3d\ ^3D_3$ - $3s^2\ 3p^4\ (^1S)\ 3d^2\ ^3F_4$	5.9	2.77e+02
Fe XII *	191.0070	$3s\ 3p^4\ ^4P_{5/2}$ - $3s\ 3p^3\ 3d\ ^4D_{7/2}$	6.2	2.18e+02
Fe XII	191.0490	$3s^2\ 3p^3\ ^2P_{3/2}$ - $3s^2\ 3p^2\ (^3P)\ 3d\ ^2D_{5/2}$	6.2	2.96e+02
Fe XI *	191.2050	$3s^2\ 3p^4\ ^3P_1$ - $3s^2\ 3p^3\ (^2D)\ 3d\ ^3S_1$	6.2	3.60e+02
Fe IX	191.2160	$3s^2\ 3p^5\ 3d\ ^3F_2$ - $3s^2\ 3p^4\ (^3P)\ 3d^2\ ^3G_3$	5.9	5.99e+02

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
S XI	191.2664	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3S_1$	6.3	1.73e+03
Ar XIV	191.4040	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2P_{1/2}$	6.6	6.36e+02
Fe XI *	191.8080	$3s^2\ 3p^4\ ^3P_0$ - $3s^2\ 3p^3\ (^2D)\ 3d\ ^3S_1$	6.2	1.36e+02
Fe VIII	192.0040	$3p^6\ 3d\ ^2D_{3/2}$ - $3p^5\ 3d^2\ (^1S)\ ^2P_{1/2}$	5.7	1.38e+02
Fe XXIV	192.0285	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{3/2}$	7.2	1.21e+06
Fe XII	192.3940	$3s^2\ 3p^3\ ^4S_{3/2}$ - $3s^2\ 3p^2\ (^3P)\ 3d\ ^4P_{1/2}$	6.2	3.45e+03
O V	192.7500	$2s\ 2p\ ^3P_0$ - $2s\ 3d\ ^3D_1$	5.4	1.00e+03
O V	192.7970	$2s\ 2p\ ^3P_1$ - $2s\ 3d\ ^3D_2$	5.4	2.01e+03
O V	192.8010	$2s\ 2p\ ^3P_1$ - $2s\ 3d\ ^3D_1$	5.4	7.53e+02
Fe XI	192.8300	$3s^2\ 3p^4\ ^3P_1$ - $3s^2\ 3p^3\ (^2D)\ 3d\ ^3P_2$	6.2	1.08e+03
Ca XVII	192.8532	$2s^2\ ^1S_0$ - $2s\ 2p\ ^1P_1$	6.8	6.34e+04
O V	192.9040	$2s\ 2p\ ^3P_2$ - $2s\ 3d\ ^3D_3$	5.4	5.28e+03
O V	192.9110	$2s\ 2p\ ^3P_2$ - $2s\ 3d\ ^3D_2$	5.4	6.70e+02
Fe XII *	193.2040	$3s\ 3p^4\ ^4P_{3/2}$ - $3s\ 3p^3\ 3d\ ^4D_{5/2}$	6.2	1.11e+02
Fe XVIII	193.2744	$2s^2\ 2p^4\ (^3P)\ 3s\ ^4P_{5/2}$ - $2s^2\ 2p^4\ (^1D)\ 3p\ ^2P_{3/2}$	6.9	1.12e+02
Fe XII	193.5090	$3s^2\ 3p^3\ ^4S_{3/2}$ - $3s^2\ 3p^2\ (^3P)\ 3d\ ^4P_{3/2}$	6.2	7.23e+03
Fe XI	193.5150	$3s^2\ 3p^4\ ^3P_0$ - $3s^2\ 3p^3\ (^2D)\ 3d\ ^1P_1$	6.2	2.40e+02
Fe X	193.7150	$3s^2\ 3p^5\ ^2P_{3/2}$ - $3s^2\ 3p^4\ (^1S)\ 3d\ ^2D_{5/2}$	6.1	2.85e+02
Ca XIV	193.8661	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{5/2}$	6.7	3.35e+03
Fe IX *	193.9650	$3s^2\ 3p^5\ 3d\ ^3D_3$ - $3s^2\ 3p^4\ (^3P)\ 3d^2\ ^1G_4$	5.9	2.29e+02
Fe VIII	193.9680	$3p^6\ 3d\ ^2D_{3/2}$ - $3p^6\ 4p\ ^2P_{3/2}$	5.7	1.81e+02
Ni XVI	194.0240	$3s^2\ 3p\ ^2P_{3/2}$ - $3s^2\ 3d\ ^2D_{5/2}$	6.4	2.83e+02
Ar XI	194.1040	$2s^2\ 2p^4\ ^3P_1$ - $2s\ 2p^5\ ^3P_2$	6.3	1.24e+02
Ar XIV	194.3960	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2S_{1/2}$	6.6	1.50e+03
Fe VIII	194.6610	$3p^6\ 3d\ ^2D_{5/2}$ - $3p^6\ 4p\ ^2P_{3/2}$	5.7	1.78e+03
Fe XII	195.1190	$3s^2\ 3p^3\ ^4S_{3/2}$ - $3s^2\ 3p^2\ (^3P)\ 3d\ ^4P_{5/2}$	6.2	1.07e+04
Fe XII	195.1790	$3s^2\ 3p^3\ ^2D_{3/2}$ - $3s^2\ 3p^2\ (^1D)\ 3d\ ^2D_{3/2}$	6.2	7.40e+02
Fe IX *	195.2500	$3s^2\ 3p^5\ 3d\ ^3D_2$ - $3s^2\ 3p^4\ (^3P)\ 3d^2\ ^3F_3$	5.9	2.63e+02
Ni XVI	195.2750	$3s^2\ 3p\ ^2P_{3/2}$ - $3s^2\ 3d\ ^2D_{3/2}$	6.5	4.96e+02
Fe X *	195.3160	$3s^2\ 3p^5\ ^2P_{3/2}$ - $3s^2\ 3p^4\ (^1S)\ 3d\ ^2D_{3/2}$	6.1	1.48e+02
Zn XX	195.3789	$3p\ ^2P_{1/2}$ - $3d\ ^2D_{3/2}$	6.9	1.16e+02
Fe VIII	195.9720	$3p^6\ 3d\ ^2D_{3/2}$ - $3p^6\ 4p\ ^2P_{1/2}$	5.7	1.21e+03
Fe IX *	196.3090	$3s^2\ 3p^5\ 3d\ ^3D_1$ - $3s^2\ 3p^4\ (^3P)\ 3d^2\ ^3F_2$	5.9	1.19e+02
Fe XVII *	196.3505	$2s^2\ 2p^5\ 3p\ ^3S_1$ - $2s^2\ 2p^5\ 3d\ ^3D_2$	7.2	1.08e+02
Fe XIII	196.5400	$3s^2\ 3p^2\ ^1D_2$ - $3s^2\ 3p\ 3d\ ^1F_3$	6.2	1.50e+03
Fe XII	196.6400	$3s^2\ 3p^3\ ^2D_{5/2}$ - $3s^2\ 3p^2\ (^1D)\ 3d\ ^2D_{5/2}$	6.2	1.20e+03
Fe VIII	196.6500	$3p^6\ 3d\ ^2D_{3/2}$ - $3p^5\ 3d^2\ (^1S)\ ^2P_{3/2}$	5.7	1.03e+02
Fe IX *	196.7580	$3s^2\ 3p^5\ 3d\ ^1D_2$ - $3s^2\ 3p^4\ (^1D)\ 3d^2\ ^1F_3$	5.9	3.13e+02
Fe XII	196.9210	$3s^2\ 3p^3\ ^2D_{5/2}$ - $3s^2\ 3p^2\ (^1D)\ 3d\ ^2D_{3/2}$	6.2	1.25e+02
Fe IX *	197.1710	$3s^2\ 3p^5\ 3d\ ^3P_2$ - $3s^2\ 3p^4\ (^3P)\ 3d^2\ ^3D_3$	5.9	5.52e+02
Fe VIII	197.3620	$3p^6\ 3d\ ^2D_{5/2}$ - $3p^5\ 3d^2\ (^1S)\ ^2P_{3/2}$	5.7	6.75e+02
Fe XIII	197.4330	$3s^2\ 3p^2\ ^3P_0$ - $3s^2\ 3p\ 3d\ ^3D_1$	6.3	3.17e+02
Fe IX	197.8620	$3s^2\ 3p^5\ 3d\ ^1P_1$ - $3s^2\ 3p^5\ 4p\ ^1S_0$	6.0	9.25e+02
Ni XVI *	198.3120	$3s\ 3p^2\ ^2D_{3/2}$ - $3s\ 3p\ (^3P)\ 3d\ ^2F_{5/2}$	6.5	1.52e+02
Fe XI	198.5460	$3s^2\ 3p^4\ ^1D_2$ - $3s^2\ 3p^3\ (^2D)\ 3d\ ^3P_1$	6.2	5.07e+02
S VIII	198.5537	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s\ 2p^6\ ^2S_{1/2}$	5.9	8.39e+02
Fe XIII	200.0220	$3s^2\ 3p^2\ ^3P_1$ - $3s^2\ 3p\ 3d\ ^3D_2$	6.3	2.22e+03
O VIII	200.2116	$3p\ ^2P_{3/2}$ - $5s\ ^2S_{1/2}$	7.1	1.19e+02
Fe XI *	200.8350	$3s^2\ 3p^4\ ^1D_2$ - $3s^2\ 3p^3\ (^2D)\ 3d\ ^3S_1$	6.2	8.08e+02

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Ca XV	200.9719	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^3\ ^3D_1$	6.7	5.22e+03
Fe XX	201.0454	$2s^2\ 2p^3\ ^2P_{3/2}$ - $2s\ 2p^4\ ^4P_{3/2}$	7.1	2.17e+03
Fe XIII	201.1280	$3s^2\ 3p^2\ ^3P_1$ - $3s^2\ 3p\ 3d\ ^3D_1$	6.3	1.55e+03
Fe XII	201.1400	$3s^2\ 3p^3\ ^2P_{3/2}$ - $3s^2\ 3p^2\ (^1D)\ 3d\ ^2P_{3/2}$	6.2	1.26e+02
Fe XI	201.5770	$3s^2\ 3p^4\ ^3P_2$ - $3s^2\ 3p^3\ (^2P)\ 3d\ ^3P_2$	6.2	3.92e+02
Ar XIII	201.7110	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^3\ ^3P_1$	6.6	2.14e+02
Fe XII	201.7400	$3s^2\ 3p^3\ ^2P_{1/2}$ - $3s^2\ 3p^2\ (^1D)\ 3d\ ^2P_{1/2}$	6.2	1.09e+02
Fe IX *	202.0060	$3s^2\ 3p^5\ 3d\ ^3F_4$ - $3s^2\ 3p^4\ (^3P)\ 3d^2\ ^3D_3$	5.9	1.47e+02
Fe XIII	202.0440	$3s^2\ 3p^2\ ^3P_0$ - $3s^2\ 3p\ 3d\ ^3P_1$	6.3	4.03e+03
S VIII	202.6104	$2s^2\ 2p^5\ ^2P_{1/2}$ - $2s\ 2p^6\ ^2S_{1/2}$	5.9	3.87e+02
Fe XI	202.7060	$3s^2\ 3p^4\ ^1D_2$ - $3s^2\ 3p^3\ (^2D)\ 3d\ ^1P_1$	6.2	7.13e+02
Cr VII	202.8260	$3s^2\ 3p^6\ ^1S_0$ - $3s^2\ 3p^5\ 3d\ ^1P_1$	5.7	6.40e+02
O IV	203.0440	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p\ (^3P)\ 3p\ ^2S_{1/2}$	5.2	1.49e+02
Fe XIII	203.1640	$3s^2\ 3p^2\ ^3P_1$ - $3s^2\ 3p\ 3d\ ^3P_0$	6.3	1.04e+03
Ar XIV	203.3510	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2S_{1/2}$	6.6	1.92e+02
Fe XVIII	203.5213	$2s^2\ 2p^4\ (^3P)\ 3s\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^1D)\ 3p\ ^2P_{3/2}$	6.9	2.99e+03
Fe XII	203.7280	$3s^2\ 3p^3\ ^2D_{5/2}$ - $3s^2\ 3p^2\ (^1S)\ 3d\ ^2D_{5/2}$	6.2	9.90e+02
Fe XIII	203.7970	$3s^2\ 3p^2\ ^3P_2$ - $3s^2\ 3p\ 3d\ ^3D_2$	6.3	3.09e+03
O V	203.8220	$2p^2\ ^3P_1$ - $2p\ 3d\ ^3D_2$	5.4	1.15e+02
Fe XIII	203.8280	$3s^2\ 3p^2\ ^3P_2$ - $3s^2\ 3p\ 3d\ ^3D_3$	6.3	7.98e+03
O V	203.8900	$2p^2\ ^3P_2$ - $2p\ 3d\ ^3D_3$	5.4	1.92e+02
Fe XIII	204.2630	$3s^2\ 3p^2\ ^3P_1$ - $3s^2\ 3p\ 3d\ ^1D_2$	6.2	1.01e+03
Fe XVII	204.6655	$2s^2\ 2p^5\ 3s\ ^1P_1$ - $2s^2\ 2p^5\ 3p\ ^1S_0$	7.2	3.34e+05
Fe XI *	204.7440	$3s^2\ 3p^4\ ^3P_2$ - $3s^2\ 3p^3\ (^2P)\ 3d\ ^3D_2$	6.2	2.71e+02
Fe XIII	204.9450	$3s^2\ 3p^2\ ^3P_2$ - $3s^2\ 3p\ 3d\ ^3D_1$	6.3	4.77e+02
Fe VIII *	205.0090	$3p^6\ 3d\ ^2D_{3/2}$ - $3p^5\ 3d^2\ (^3P)\ ^2D_{5/2}$	5.7	2.04e+02
Cr VIII	205.0108	$3s^2\ 3p^5\ ^2P_{3/2}$ - $3s^2\ 3p^4\ (^3P)\ 3d\ ^2D_{5/2}$	5.9	1.86e+02
Fe XI *	205.5630	$3s^2\ 3p^4\ ^3P_2$ - $3s^2\ 3p^3\ (^2P)\ 3d\ ^3P_1$	6.2	1.05e+03
Ar XIII	205.8040	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3P_1$	6.6	2.80e+02
K XVI	206.2530	$2s^2\ ^1S_0$ - $2s\ 2p\ ^1P_1$	6.8	2.25e+03
Fe XII	206.3680	$3s^2\ 3p^3\ ^2D_{3/2}$ - $3s^2\ 3p^2\ (^1S)\ 3d\ ^2D_{3/2}$	6.2	2.23e+02
Fe VIII	206.7530	$3p^6\ 3d\ ^2D_{5/2}$ - $3p^5\ 3d^2\ (^1G)\ ^2G_{7/2}$	5.7	2.59e+02
Mn XXIII	206.9026	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{3/2}$	7.2	1.13e+04
O IV	207.1830	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p\ (^3P)\ 3p\ ^2D_{3/2}$	5.2	3.84e+02
O IV	207.2390	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p\ (^3P)\ 3p\ ^2D_{5/2}$	5.2	7.12e+02
Fe X	207.4490	$3s^2\ 3p^5\ ^2P_{3/2}$ - $3s^2\ 3p^4\ (^1D)\ 3d\ ^2F_{5/2}$	6.1	3.56e+02
O V	207.7960	$2p^2\ ^1D_2$ - $2p\ 3d\ ^1F_3$	5.4	1.43e+02
Ni XI	207.9222	$3s^2\ 3p^6\ ^1S_0$ - $3s^2\ 3p^5\ 3d\ ^3P_2$	6.2	2.19e+02
K XIII	208.1090	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{5/2}$	6.6	1.21e+02
Fe XII	208.3160	$3s^2\ 3p^3\ ^2D_{5/2}$ - $3s^2\ 3p^2\ (^1S)\ 3d\ ^2D_{3/2}$	6.2	1.64e+02
Ca XV	208.3216	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3D_1$	6.7	1.51e+03
Ne IV	208.4860	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3s\ ^4P_{5/2}$	5.2	1.47e+02
Ca XVI	208.6040	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2D_{3/2}$	6.8	9.51e+03
Ca XV	208.7172	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3D_2$	6.7	2.28e+02
Ne IV	208.7340	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3s\ ^4P_{3/2}$	5.2	1.02e+02
Fe XVII *	208.7602	$2s^2\ 2p^5\ 3p\ ^3D_2$ - $2s^2\ 2p^5\ 3d\ ^3D_2$	7.2	2.95e+02
O IV	208.9050	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p\ (^3P)\ 3p\ ^4P_{5/2}$	5.2	1.95e+02
Fe XII	209.1130	$3s^2\ 3p^3\ ^2D_{3/2}$ - $3s^2\ 3p^2\ (^3P)\ 3d\ ^4P_{1/2}$	6.2	1.54e+02
N V	209.2750	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 3p\ ^2P_{3/2}$	5.3	2.47e+02

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
N V	209.3080	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 3p\ ^2P_{1/2}$	5.3	1.24e+02
Ni XXIII	209.5910	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^5S_2$	7.2	1.48e+02
Fe XIII	209.6210	$3s^2\ 3p^2\ ^3P_1$ - $3s^2\ 3p\ 3d\ ^3P_2$	6.3	1.57e+03
Fe XI *	209.7780	$3s^2\ 3p^4\ ^3P_1$ - $3s^2\ 3p^3\ (^2P)\ 3d\ ^3D_2$	6.2	5.96e+02
Fe XIII	209.9190	$3s^2\ 3p^2\ ^3P_2$ - $3s^2\ 3p\ 3d\ ^3P_1$	6.3	6.04e+02
Zn XX	210.1555	$3p\ ^2P_{3/2}$ - $3d\ ^2D_{5/2}$	6.9	1.87e+02
Ne V	210.1880	$2s\ 2p^3\ ^3D_3$ - $2s^2\ 2p\ 3p\ ^3P_2$	5.4	2.25e+02
Ne V	210.4390	$2s\ 2p^3\ ^3D_2$ - $2s^2\ 2p\ 3p\ ^3P_1$	5.4	1.18e+02
Ar XIII	210.4680	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3P_2$	6.5	1.34e+02
Cr IX	210.6109	$3s^2\ 3p^4\ ^3P_2$ - $3s^2\ 3p^3\ (^4S)\ 3d\ ^3D_3$	5.9	1.08e+02
Fe XII	210.9180	$3s^2\ 3p^3\ ^2P_{3/2}$ - $3s^2\ 3p^2\ (^1D)\ 3d\ ^2D_{5/2}$	6.2	1.21e+02
O IV	210.9290	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p\ (^3P)\ 3p\ ^4S_{3/2}$	5.2	1.15e+02
Ar XIII	211.0110	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3P_1$	6.6	2.29e+02
Fe XIV	211.3180	$3s^2\ 3p\ ^2P_{1/2}$ - $3s^2\ 3d\ ^2D_{3/2}$	6.3	1.45e+04
Ni XI	211.4285	$3s^2\ 3p^6\ ^1S_0$ - $3s^2\ 3p^5\ 3d\ ^3P_1$	6.2	1.13e+02
Fe XII	211.7320	$3s^2\ 3p^3\ ^2D_{3/2}$ - $3s^2\ 3p^2\ (^3P)\ 3d\ ^2P_{1/2}$	6.2	3.19e+02
S XII	212.1205	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2P_{3/2}$	6.4	6.74e+02
O IV	213.6000	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p\ (^3P)\ 3p\ ^4D_{5/2}$	5.2	2.50e+02
O IV	213.6620	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p\ (^3P)\ 3p\ ^4D_{3/2}$	5.2	1.63e+02
Fe XIII	213.7710	$3s^2\ 3p^2\ ^3P_2$ - $3s^2\ 3p\ 3d\ ^3P_2$	6.3	1.53e+03
Fe XI *	213.8800	$3s^2\ 3p^4\ ^3P_0$ - $3s^2\ 3p^3\ (^2P)\ 3d\ ^3D_1$	6.2	1.28e+02
O IV	214.0280	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p\ (^3P)\ 3p\ ^2P_{1/2}$	5.2	1.82e+02
O IV	214.1520	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p\ (^3P)\ 3p\ ^2P_{3/2}$	5.2	4.52e+02
Fe XII	214.3990	$3s^2\ 3p^3\ ^2D_{5/2}$ - $3s^2\ 3p^2\ (^3P)\ 3d\ ^4P_{5/2}$	6.2	1.58e+02
Fe XVII *	214.5525	$2s^2\ 2p^5\ 3p\ ^3D_3$ - $2s^2\ 2p^5\ 3d\ ^3D_2$	7.2	2.45e+02
Ne V	214.6790	$2s\ 2p^3\ ^3D_3$ - $2s^2\ 2p\ 3p\ ^3D_3$	5.4	1.13e+02
Si VIII	214.7590	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s\ 2p^4\ ^2P_{1/2}$	5.9	4.87e+02
O V	215.0400	$2s\ 2p\ ^3P_0$ - $2s\ 3s\ ^3S_1$	5.4	6.93e+02
O V	215.1030	$2s\ 2p\ ^3P_1$ - $2s\ 3s\ ^3S_1$	5.4	2.08e+03
S XII	215.1434	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2P_{1/2}$	6.4	1.65e+03
O V	215.2450	$2s\ 2p\ ^3P_2$ - $2s\ 3s\ ^3S_1$	5.4	3.47e+03
Ca XV	215.3779	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3D_3$	6.7	1.01e+02
Ar XII	215.4980	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{1/2}$	6.4	2.63e+02
Ni XVII	215.8530	$3s\ 3p\ ^1P_1$ - $3s\ 3d\ ^1D_2$	6.8	1.41e+03
Ni XV	215.9400	$3s^2\ 3p^2\ ^3P_1$ - $3s\ 3p^3\ ^3S_1$	6.4	1.64e+02
S XI	215.9691	$2s^2\ 2p^2\ ^1D_2$ - $2s\ 2p^3\ ^1D_2$	6.3	1.32e+02
Zn XXVIII	216.0596	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{1/2}$	7.4	4.41e+02
Fe IX	216.1620	$3s^2\ 3p^6\ ^1S_0$ - $3s^2\ 3p^5\ 3d\ ^3D_2$	5.9	3.00e+02
Si VIII	216.8040	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s\ 2p^4\ ^2P_{3/2}$	5.9	1.58e+02
Fe VIII *	216.8190	$3p^6\ 3d\ ^2D_{5/2}$ - $3p^5\ 3d^2\ (^3P)\ ^4D_{5/2}$	5.6	1.21e+02
Fe XIII	216.8340	$3s^2\ 3p^2\ ^1D_2$ - $3s^2\ 3p\ 3d\ ^3D_2$	6.3	6.07e+02
Fe XIII	216.8690	$3s^2\ 3p^2\ ^1D_2$ - $3s^2\ 3p\ 3d\ ^3D_3$	6.3	2.86e+02
Si VIII	216.9220	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s\ 2p^4\ ^2P_{3/2}$	5.9	1.03e+03
O V	216.9650	$2p^2\ ^1D_2$ - $2p\ 3d\ ^3F_2$	5.4	1.14e+02
Fe IX	217.1010	$3s^2\ 3p^6\ ^1S_0$ - $3s^2\ 3p^5\ 3d\ ^3D_1$	5.9	2.33e+03
Fe XII	217.2760	$3s^2\ 3p^3\ ^2D_{3/2}$ - $3s^2\ 3p^2\ (^3P)\ 3d\ ^2P_{3/2}$	6.2	4.51e+02
Fe XXII	217.3010	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^4P_{3/2}$	7.1	3.47e+03
Fe XIX	217.3822	$2s^2\ 2p^3\ (^4S)\ 3s\ ^3S_1$ - $2s^2\ 2p^3\ (^2D)\ 3p\ ^3P_2$	7.0	6.72e+02
Fe VIII *	217.4600	$3p^6\ 3d\ ^2D_{5/2}$ - $3p^5\ 3d^2\ (^3P)\ ^4D_{7/2}$	5.7	3.32e+02

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
K XIV	217.6370	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^3\ ^3D_1$	6.7	1.42e+02
Fe VIII	217.6910	$3p^6\ 3d\ ^2D_{3/2}$ - $3p^5\ 3d^2\ (^1D)\ ^2F_{5/2}$	5.7	3.95e+02
Si VII	217.8297	$2s^2\ 2p^4\ ^1D_2$ - $2s\ 2p^5\ ^1P_1$	5.8	1.05e+03
Fe XIV	218.1770	$3s\ 3p^2\ ^2D_{5/2}$ - $3s\ 3p\ (^3P)\ 3d\ ^2F_{7/2}$	6.3	4.90e+02
S XII	218.2005	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2P_{3/2}$	6.4	3.44e+03
Ar XII	218.2930	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{3/2}$	6.4	5.16e+02
Fe XVII	218.3158	$2s^2\ 2p^5\ 3d\ ^3D_1$ - $2s\ 2p^6\ 3s\ ^1S_0$	7.2	1.43e+04
Ni XVI	218.3840	$3s^2\ 3p\ ^2P_{1/2}$ - $3s\ 3p^2\ ^2P_{3/2}$	6.5	2.46e+02
Ni XXIV	218.4307	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^4P_{1/2}$	7.2	1.01e+03
Fe IX	218.9370	$3s^2\ 3p^6\ ^1S_0$ - $3s^2\ 3p^5\ 3d\ ^1D_2$	5.9	3.47e+02
Fe XIV	219.1310	$3s^2\ 3p\ ^2P_{3/2}$ - $3s^2\ 3d\ ^2D_{5/2}$	6.3	7.74e+03
Fe XII	219.4370	$3s^2\ 3p^3\ ^2D_{5/2}$ - $3s^2\ 3p^2\ (^3P)\ 3d\ ^2P_{3/2}$	6.2	1.06e+03
Fe XIV	220.0850	$3s^2\ 3p\ ^2P_{3/2}$ - $3s^2\ 3d\ ^2D_{3/2}$	6.3	3.14e+03
Fe X	220.2470	$3s^2\ 3p^5\ ^2P_{3/2}$ - $3s^2\ 3p^4\ (^3P)\ 3d\ ^2F_{5/2}$	6.1	4.54e+02
O V	220.3530	$2s\ 2p\ ^1P_1$ - $2s\ 3d\ ^1D_2$	5.4	4.07e+03
Ni XVIII	220.4290	$3p\ ^2P_{1/2}$ - $3d\ ^2D_{3/2}$	6.9	2.44e+03
Fe XIV	221.1100	$3s\ 3p^2\ ^2P_{1/2}$ - $3s\ 3p\ (^1P)\ 3d\ ^2D_{3/2}$	6.3	1.88e+02
Ar XV	221.1356	$2s^2\ ^1S_0$ - $2s\ 2p\ ^1P_1$	6.8	1.72e+04
S IX	221.2410	$2s^2\ 2p^4\ ^3P_2$ - $2s\ 2p^5\ ^3P_1$	6.1	4.17e+02
Fe XXIII	221.3422	$2s\ 2p\ ^1P_1$ - $2p^2\ ^1D_2$	7.2	2.58e+03
S XII	221.4005	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2P_{1/2}$	6.4	1.96e+03
Fe XII	221.4100	$3s^2\ 3p^3\ ^4S_{3/2}$ - $3s^2\ 3p^2\ (^3P)\ 3d\ ^4D_{5/2}$	6.2	2.23e+02
Fe XIII	221.8270	$3s^2\ 3p^2\ ^1D_2$ - $3s^2\ 3p\ 3d\ ^1D_2$	6.2	1.70e+03
Ni XV	221.9100	$3s^2\ 3p^2\ ^3P_2$ - $3s\ 3p^3\ ^3S_1$	6.4	3.31e+02
Fe VIII *	222.5210	$3p^6\ 3d\ ^2D_{5/2}$ - $3p^5\ 3d^2\ (^3F)\ ^2G_{7/2}$	5.6	4.57e+02
Ca XVII	222.8694	$2s\ 2p\ ^1P_1$ - $2p^2\ ^1S_0$	6.9	1.83e+02
Cr XXII	222.9808	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{3/2}$	7.1	2.11e+04
Fe XII	223.0000	$3s^2\ 3p^3\ ^2D_{5/2}$ - $3s^2\ 3p^2\ (^1D)\ 3d\ ^2G_{7/2}$	6.2	1.04e+02
Ni XVI	223.1300	$3s^2\ 3p\ ^2P_{1/2}$ - $3s\ 3p^2\ ^2P_{1/2}$	6.5	5.12e+02
Fe XIV	223.2330	$3s\ 3p^2\ ^2P_{3/2}$ - $3s\ 3p\ (^1P)\ 3d\ ^2D_{5/2}$	6.3	2.62e+02
Ne IV	223.2330	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s^2\ 2p^2\ (^3P)\ 3s\ ^2P_{3/2}$	5.2	1.06e+02
S IX	223.2620	$2s^2\ 2p^4\ ^3P_1$ - $2s\ 2p^5\ ^3P_0$	6.1	2.19e+02
Si IX	223.7440	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^3\ ^3S_1$	6.1	3.66e+02
Ni XV	224.0570	$3s^2\ 3p^2\ ^1D_2$ - $3s\ 3p^3\ ^1P_1$	6.4	2.19e+02
Ar XII	224.2500	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{5/2}$	6.4	7.53e+02
Fe VIII	224.3050	$3p^6\ 3d\ ^2D_{5/2}$ - $3p^5\ 3d^2\ (^1D)\ ^2F_{7/2}$	5.7	6.04e+02
Fe XIV	224.3550	$3s\ 3p^2\ ^2D_{3/2}$ - $3s\ 3p\ (^3P)\ 3d\ ^2F_{5/2}$	6.3	1.04e+03
Ca XVI	224.5474	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2D_{5/2}$	6.8	2.95e+02
Ni XXIV	224.5686	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^4P_{5/2}$	7.2	2.79e+02
S IX	224.7260	$2s^2\ 2p^4\ ^3P_2$ - $2s\ 2p^5\ ^3P_2$	6.1	1.37e+03
Fe XV	224.7540	$3s\ 3p\ ^3P_0$ - $3s\ 3d\ ^3D_1$	6.4	5.21e+02
Si IX	225.0250	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3S_1$	6.1	1.09e+03
S IX	225.2200	$2s^2\ 2p^4\ ^3P_1$ - $2s\ 2p^5\ ^3P_1$	6.1	2.31e+02
Fe VIII *	225.2400	$3p^6\ 3d\ ^2D_{5/2}$ - $3p^5\ 3d^2\ (^1D)\ ^2P_{3/2}$	5.7	2.28e+02
K XV	225.2460	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2D_{3/2}$	6.7	2.49e+02
O IV	225.2990	$2s\ 2p^2\ ^2D_{5/2}$ - $2s\ 2p\ (^1P)\ 3d\ ^2F_{7/2}$	5.3	2.62e+02
O IV	225.3060	$2s\ 2p^2\ ^2D_{3/2}$ - $2s\ 2p\ (^1P)\ 3d\ ^2F_{5/2}$	5.3	1.84e+02
Fe XIV	225.4820	$3s\ 3p^2\ ^2D_{5/2}$ - $3s\ 3p\ (^3P)\ 3d\ ^2F_{5/2}$	6.3	2.23e+02
Fe XII *	225.5720	$3s^2\ 3p^3\ ^4S_{3/2}$ - $3s^2\ 3p^2\ (^1D)\ 3d\ ^2F_{5/2}$	6.2	2.62e+02

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Ca XVI	225.8528	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2D_{3/2}$	6.8	4.67e+02
Fe X	225.8560	$3s^2\ 3p^5\ ^2P_{3/2}$ - $3s^2\ 3p^4\ (^1D)\ 3d\ ^4P_{5/2}$	6.1	5.19e+02
Fe XIV	226.0300	$3s\ 3p^2\ ^2S_{1/2}$ - $3s\ 3p\ (^3P)\ 3d\ ^2P_{3/2}$	6.3	4.49e+02
Fe XVII *	226.4326	$2s^2\ 2p^5\ 3p\ ^3P_2$ - $2s^2\ 2p^5\ 3d\ ^3D_2$	7.2	8.16e+02
Ni XIX *	226.5579	$2p^5\ 3p\ ^3S_1$ - $2p^5\ 3d\ ^3P_2$	7.0	1.71e+02
S IX	226.5790	$2s^2\ 2p^4\ ^3P_0$ - $2s\ 2p^5\ ^3P_1$	6.1	3.00e+02
Fe X	226.8400	$3s^2\ 3p^5\ ^2P_{3/2}$ - $3s^2\ 3p^4\ (^3P)\ 3d\ ^2F_{7/2}$	6.1	1.19e+02
Si IX	227.0020	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3S_1$	6.1	1.84e+03
Fe VIII *	227.0950	$3p^6\ 3d\ ^2D_{3/2}$ - $3p^5\ 3d^2\ (^1D)\ ^2P_{1/2}$	5.7	1.23e+02
Fe XV	227.2080	$3s\ 3p\ ^3P_1$ - $3s\ 3d\ ^3D_2$	6.4	7.71e+02
Fe X	227.2080	$3s^2\ 3p^5\ ^2P_{3/2}$ - $3s^2\ 3p^4\ (^1D)\ 3d\ ^2D_{5/2}$	6.1	4.83e+02
Si IX	227.3620	$2s^2\ 2p^2\ ^1D_2$ - $2s\ 2p^3\ ^1P_1$	6.1	3.75e+02
O V	227.3730	$2p^2\ ^3P_1$ - $2p\ 3s\ ^3P_2$	5.4	1.62e+02
S XII	227.4996	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2S_{1/2}$	6.4	2.36e+03
O V	227.5120	$2p^2\ ^3P_2$ - $2p\ 3s\ ^3P_2$	5.4	4.83e+02
O V	227.6350	$2p^2\ ^3P_1$ - $2p\ 3s\ ^3P_0$	5.4	1.18e+02
Fe XV	227.7320	$3s\ 3p\ ^3P_1$ - $3s\ 3d\ ^3D_1$	6.4	3.67e+02
Fe XIII	228.1590	$3s^2\ 3p^2\ ^1D_2$ - $3s^2\ 3p\ 3d\ ^3P_2$	6.3	1.17e+03
S X	228.1661	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s\ 2p^4\ ^2D_{3/2}$	6.2	1.79e+02
Fe XVIII	228.2067	$2s^2\ 2p^4\ (^3P)\ 3s\ ^4P_{1/2}$ - $2s^2\ 2p^4\ (^1D)\ 3p\ ^2P_{3/2}$	6.9	1.10e+02
S X	228.6936	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s\ 2p^4\ ^2D_{5/2}$	6.2	3.59e+02
S IX	228.8320	$2s^2\ 2p^4\ ^3P_1$ - $2s\ 2p^5\ ^3P_2$	6.1	4.27e+02
Fe XXII	230.3170	$2s\ 2p^2\ ^2P_{3/2}$ - $2p^3\ ^2D_{5/2}$	7.1	2.29e+02
Fe X *	230.6670	$3s^2\ 3p^5\ ^2P_{3/2}$ - $3s^2\ 3p^4\ (^3P)\ 3d\ ^4P_{1/2}$	6.1	1.27e+02
Ne V	230.6840	$2s\ 2p^3\ ^3P_2$ - $2s^2\ 2p\ 3p\ ^3D_3$	5.4	1.49e+02
Fe X *	230.9000	$3s^2\ 3p^5\ ^2P_{3/2}$ - $3s^2\ 3p^4\ (^1D)\ 3d\ ^2D_{3/2}$	6.1	1.84e+02
O IV	231.0700	$2s\ 2p^2\ ^4P_{1/2}$ - $2s\ 2p\ (^3P)\ 3d\ ^4P_{3/2}$	5.2	1.54e+02
O V	231.0730	$2p^2\ ^1D_2$ - $2p\ 3s\ ^1P_1$	5.4	1.53e+02
Fe VIII	231.0970	$3p^6\ 3d\ ^2D_{5/2}$ - $3p^5\ 3d^2\ (^1G)\ ^2F_{7/2}$	5.7	5.45e+02
O IV	231.1000	$2s\ 2p^2\ ^4P_{3/2}$ - $2s\ 2p\ (^3P)\ 3d\ ^4P_{1/2}$	5.2	2.08e+02
O IV	231.2000	$2s\ 2p^2\ ^4P_{3/2}$ - $2s\ 2p\ (^3P)\ 3d\ ^4P_{5/2}$	5.2	1.67e+02
O IV	231.2390	$2s\ 2p^2\ ^4P_{5/2}$ - $2s\ 2p\ (^3P)\ 3d\ ^4P_{3/2}$	5.2	1.90e+02
O IV	231.2990	$2s\ 2p^2\ ^4P_{5/2}$ - $2s\ 2p\ (^3P)\ 3d\ ^4P_{5/2}$	5.2	5.01e+02
Ni XIX *	231.5956	$2p^5\ 3s\ ^1P_1$ - $2p^5\ 3p\ ^1S_0$	7.0	1.66e+03
Fe VIII	231.8840	$3p^6\ 3d\ ^2D_{3/2}$ - $3p^5\ 3d^2\ (^1G)\ ^2F_{5/2}$	5.7	3.08e+02
Fe VIII *	232.4350	$3p^6\ 3d\ ^2D_{3/2}$ - $3p^5\ 3d^2\ (^1D)\ ^2D_{5/2}$	5.6	2.76e+02
Fe VIII *	232.4620	$3p^6\ 3d\ ^2D_{5/2}$ - $3p^5\ 3d^2\ (^1D)\ ^2D_{3/2}$	5.6	1.22e+02
Ni XVI	232.4830	$3s^2\ 3p\ ^2P_{3/2}$ - $3s\ 3p^2\ ^2P_{3/2}$	6.5	9.23e+02
Fe XX	232.8472	$2s^2\ 2p^3\ ^2P_{3/2}$ - $2s\ 2p^4\ ^4P_{5/2}$	7.1	5.17e+02
Ni XXIII	232.9530	$2s^2\ 2p^2\ ^1S_0$ - $2s\ 2p^3\ ^3D_1$	7.2	1.01e+02
Si VIII	233.1390	$2s^2\ 2p^3\ ^2P_{3/2}$ - $2s\ 2p^4\ ^2P_{1/2}$	5.9	1.24e+02
Fe XIII	233.2390	$3s^2\ 3p^2\ ^3P_1$ - $3s\ 3p^3\ ^1P_1$	6.2	1.83e+02
O IV	233.4510	$2s\ 2p^2\ ^4P_{1/2}$ - $2s\ 2p\ (^3P)\ 3d\ ^4D_{3/2}$	5.2	3.08e+02
O IV	233.4660	$2s\ 2p^2\ ^4P_{1/2}$ - $2s\ 2p\ (^3P)\ 3d\ ^4D_{1/2}$	5.2	2.46e+02
O IV	233.4960	$2s\ 2p^2\ ^4P_{3/2}$ - $2s\ 2p\ (^3P)\ 3d\ ^4D_{5/2}$	5.2	8.79e+02
O IV	233.5220	$2s\ 2p^2\ ^4P_{3/2}$ - $2s\ 2p\ (^3P)\ 3d\ ^4D_{3/2}$	5.2	3.68e+02
O IV	233.5620	$2s\ 2p^2\ ^4P_{5/2}$ - $2s\ 2p\ (^3P)\ 3d\ ^4D_{7/2}$	5.2	1.38e+03
O IV	233.5970	$2s\ 2p^2\ ^4P_{5/2}$ - $2s\ 2p\ (^3P)\ 3d\ ^4D_{5/2}$	5.2	3.34e+02
Ni XVIII	233.7570	$3p\ ^2P_{3/2}$ - $3d\ ^2D_{5/2}$	6.9	4.01e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XV	233.8660	3s 3p $^3P_2$ - 3s 3d $^3D_3$	6.4	2.16e+03
Ni XXVI	234.0938	$1s^2$ 2s $^2S_{1/2}$ - $1s^2$ 2p $^2P_{1/2}$	7.3	2.35e+04
S XII	234.5077	$2s^2$ 2p $^2P_{3/2}$ - 2s $2p^2$ $^2S_{1/2}$	6.4	8.47e+02
Fe X *	234.5990	$3s^2$ $3p^5$ $^2P_{3/2}$ - $3s^2$ $3p^4$ (^{3}P) 3d $^4F_{5/2}$	6.1	3.55e+02
Fe XV	234.7610	3s 3p $^3P_2$ - 3s 3d $^3D_2$	6.4	2.26e+02
Ni XIX *	234.8618	$2p^5$ 3p $^3D_3$ - $2p^5$ 3d $^3D_3$	7.0	1.11e+02
Fe VIII *	235.1190	$3p^6$ 3d $^2D_{3/2}$ - $3p^5$ $3d^2$ (^{3}F) $^4F_{5/2}$	5.6	1.44e+02
Ni XXIII	235.3090	$2s^2$ $2p^2$ $^3P_2$ - 2s $2p^3$ $^5S_2$	7.2	1.02e+02
Fe VIII *	235.3510	$3p^6$ 3d $^2D_{5/2}$ - $3p^5$ $3d^2$ (^{3}F) $^4F_{7/2}$	5.6	3.75e+02
Si VIII	235.5510	$2s^2$ $2p^3$ $^2P_{3/2}$ - 2s $2p^4$ $^2P_{3/2}$	5.9	2.09e+02
Fe VIII *	235.8280	$3p^6$ 3d $^2D_{3/2}$ - $3p^5$ $3d^2$ (^{3}F) $^4F_{3/2}$	5.7	1.76e+02
O IV	236.0290	2s $2p^2$ $^4P_{3/2}$ - 2s 2p (^{3}P) 3d $^4F_{5/2}$	5.2	1.67e+02
O IV	236.0690	2s $2p^2$ $^4P_{5/2}$ - 2s 2p (^{3}P) 3d $^4F_{7/2}$	5.2	3.65e+02
Ar XIII	236.2850	$2s^2$ $2p^2$ $^3P_0$ - 2s $2p^3$ $^3D_1$	6.6	7.19e+02
Ni XVIII	236.3370	3p $^2P_{3/2}$ - 3d $^2D_{3/2}$	6.9	3.70e+02
Fe X	236.4940	$3s^2$ $3p^5$ $^2P_{3/2}$ - $3s^2$ $3p^4$ (^{1}D) 3d $^2P_{3/2}$	6.1	2.51e+02
Fe X *	236.6950	$3s^2$ $3p^5$ $^2P_{1/2}$ - $3s^2$ $3p^4$ (^{3}P) 3d $^4P_{3/2}$	6.1	2.06e+02
Ni XIX *	236.8528	$2p^5$ 3p $^3D_2$ - $2p^5$ 3d $^3F_3$	7.0	4.58e+02
Fe XVIII	237.2484	$2s^2$ $2p^4$ (^{3}P) 3s $^4P_{3/2}$ - $2s^2$ $2p^4$ (^{1}D) 3p $^2P_{3/2}$	6.9	1.55e+03
He II	237.3310	1s $^2S_{1/2}$ - 5p $^2P_{1/2}$	4.9	4.69e+03
He II	237.3310	1s $^2S_{1/2}$ - 5p $^2P_{3/2}$	4.9	9.39e+03
Fe XIII	237.6130	$3s^2$ $3p^2$ $^3P_2$ - $3s^2$ 3p 3d $^3F_3$	6.2	2.60e+02
Cl XIV	237.8120	$2s^2$ $^1S_0$ - 2s 2p $^1P_1$	6.6	1.86e+03
Ni XVI	237.8690	$3s^2$ 3p $^2P_{3/2}$ - 3s $3p^2$ $^2P_{1/2}$	6.5	5.79e+02
O IV	238.3600	$2s^2$ 2p $^2P_{1/2}$ - $2s^2$ 3d $^2D_{3/2}$	5.2	8.32e+03
O IV	238.5700	$2s^2$ 2p $^2P_{3/2}$ - $2s^2$ 3d $^2D_{5/2}$	5.2	1.49e+04
O IV	238.5790	$2s^2$ 2p $^2P_{3/2}$ - $2s^2$ 3d $^2D_{3/2}$	5.2	1.66e+03
Ni XXV	238.8617	$2s^2$ $^1S_0$ - 2s 2p $^3P_1$	7.2	4.43e+03
Fe XIV	239.2620	3s $3p^2$ $^2D_{3/2}$ - 3s 3p (^{3}P) 3d $^2D_{3/2}$	6.3	1.15e+02
Ni XVI	239.5500	$3s^2$ 3p $^2P_{1/2}$ - 3s $3p^2$ $^2S_{1/2}$	6.5	1.06e+03
Fe X *	239.5760	$3s^2$ $3p^5$ $^2P_{1/2}$ - $3s^2$ $3p^4$ (^{1}D) 3d $^2D_{3/2}$	6.1	1.01e+02
S XI	239.8167	$2s^2$ $2p^2$ $^3P_0$ - 2s $2p^3$ $^3P_1$	6.3	4.02e+02
Fe XIV	240.1600	3s $3p^2$ $^2D_{5/2}$ - 3s 3p (^{3}P) 3d $^2D_{5/2}$	6.3	1.36e+02
Fe XIII	240.6960	$3s^2$ $3p^2$ $^3P_0$ - 3s $3p^3$ $^3S_1$	6.3	8.01e+02
Fe XII	240.7400	$3s^2$ $3p^3$ $^2D_{5/2}$ - $3s^2$ $3p^2$ (^{1}D) 3d $^2F_{7/2}$	6.2	2.90e+02
Fe VIII *	241.4710	$3p^6$ 3d $^2D_{5/2}$ - $3p^5$ $3d^2$ (^{3}P) $^4P_{3/2}$	5.7	1.56e+02
Fe XVII	241.5860	$2s^2$ $2p^5$ 3p $^3S_1$ - $2s^2$ $2p^5$ 3d $^1D_2$	7.2	1.21e+02
Ni XIX *	241.6596	2s $2p^6$ 3p $^1P_1$ - 2s $2p^6$ 3d $^1D_2$	7.0	1.36e+02
Fe IX	241.7390	$3s^2$ $3p^6$ $^1S_0$ - $3s^2$ $3p^5$ 3d $^3P_2$	5.9	1.10e+03
Ar XIII	241.9210	$2s^2$ $2p^2$ $^3P_1$ - 2s $2p^3$ $^3D_1$	6.6	2.79e+02
Fe XXI	242.0496	$2s^2$ $2p^2$ $^3P_1$ - 2s $2p^3$ $^5S_2$	7.1	6.78e+03
Ar XIII	242.2400	$2s^2$ $2p^2$ $^3P_1$ - 2s $2p^3$ $^3D_2$	6.5	2.17e+02
Fe VIII *	242.5810	$3p^6$ 3d $^2D_{5/2}$ - $3p^5$ $3d^2$ (^{3}F) $^4G_{5/2}$	5.6	1.41e+02
S XI	242.5947	$2s^2$ $2p^2$ $^3P_1$ - 2s $2p^3$ $^3P_2$	6.3	2.90e+02
Cl XI	242.7520	$2s^2$ $2p^3$ $^4S_{3/2}$ - 2s $2p^4$ $^4P_{5/2}$	6.3	1.29e+02
Fe X *	242.7650	$3s^2$ $3p^5$ $^2P_{1/2}$ - $3s^2$ $3p^4$ (^{3}P) 3d $^4F_{3/2}$	6.1	2.06e+02
S XI	242.8497	$2s^2$ $2p^2$ $^3P_1$ - 2s $2p^3$ $^3P_1$	6.3	4.42e+02
S XI	242.8728	$2s^2$ $2p^2$ $^3P_1$ - 2s $2p^3$ $^3P_0$	6.3	4.67e+02
He II	243.0270	1s $^2S_{1/2}$ - 4p $^2P_{1/2}$	4.9	1.19e+04

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
He II	243.0270	$1s\ ^2S_{1/2}$ - $4p\ ^2P_{3/2}$	4.9	2.38e+04
Fe XI *	243.1990	$3s^2\ 3p^4\ ^3P_2$ - $3s^2\ 3p^3\ (^2D)\ 3d\ ^3D_3$	6.2	2.10e+02
Fe VIII *	243.2440	$3p^6\ 3d\ ^2D_{5/2}$ - $3p^5\ 3d^2\ (^3P)\ ^4P_{5/2}$	5.6	2.38e+02
Fe XIV	243.5460	$3s\ 3p^2\ ^2P_{3/2}$ - $3s\ 3p\ (^3P)\ 3d\ ^2P_{3/2}$	6.3	1.00e+02
Al VI	243.7620	$2p^4\ ^1D_2$ - $2s\ 2p^5\ ^1P_1$	5.7	1.45e+02
Fe XV	243.7940	$3s\ 3p\ ^1P_1$ - $3s\ 3d\ ^1D_2$	6.4	8.80e+03
Ar XIV	243.8290	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2D_{3/2}$	6.6	1.50e+03
Fe VIII *	243.8640	$3p^6\ 3d\ ^2D_{5/2}$ - $3p^5\ 3d^2\ (^3F)\ ^4G_{7/2}$	5.6	3.83e+02
Fe XVII	243.9053	$2s\ 2p^6\ 3p\ ^3P_1$ - $2s\ 2p^6\ 3d\ ^1D_2$	6.9	1.07e+02
Co XXV	244.1888	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{1/2}$	7.3	1.27e+03
C IV	244.9040	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 4p\ ^2P_{3/2}$	5.1	1.82e+02
Fe IX	244.9090	$3s^2\ 3p^6\ ^1S_0$ - $3s^2\ 3p^5\ 3d\ ^3P_1$	5.9	3.18e+03
Fe IX *	245.3940	$3s^2\ 3p^5\ 3d\ ^3F_4$ - $3s^2\ 3p^4\ (^3P)\ 3d^2\ ^3G_5$	5.9	1.35e+02
Si VI	246.0025	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s\ 2p^6\ ^2S_{1/2}$	5.7	1.71e+03
Fe XIII	246.2110	$3s^2\ 3p^2\ ^3P_1$ - $3s\ 3p^3\ ^3S_1$	6.3	1.93e+03
S XI	246.8951	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3P_2$	6.3	1.31e+03
Fe XXI	246.9500	$2s^2\ 2p^2\ ^1S_0$ - $2s\ 2p^3\ ^3D_1$	7.1	1.68e+03
S XI	247.1594	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3P_1$	6.3	4.45e+02
Fe XXII	247.1893	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^4P_{1/2}$	7.1	1.48e+04
N IV	247.2050	$2s^2\ ^1S_0$ - $2s\ 3p\ ^1P_1$	5.2	5.55e+02
Co XVII	247.5410	$3p\ ^2P_{3/2}$ - $3d\ ^2D_{5/2}$	6.8	1.26e+02
N V	247.5610	$1s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 3d\ ^2D_{3/2}$	5.3	2.13e+02
N V	247.7060	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 3d\ ^2D_{5/2}$	5.3	3.82e+02
O V	248.4600	$2s\ 2p\ ^1P_1$ - $2s\ 3s\ ^1S_0$	5.4	5.23e+03
Ni XIX *	248.7121	$2p^5\ 3p\ ^3P_2$ - $2p^5\ 3d\ ^3D_3$	7.0	3.78e+02
Si VI	249.1245	$2s^2\ 2p^5\ ^2P_{1/2}$ - $2s\ 2p^6\ ^2S_{1/2}$	5.7	8.11e+02
Ni XVII	249.1780	$3s^2\ ^1S_0$ - $3s\ 3p\ ^1P_1$	6.8	2.45e+04
Ni XIX *	249.3211	$2p^5\ 3p\ ^1D_2$ - $2p^5\ 3d\ ^1F_3$	7.0	4.60e+02
Fe XII	249.3880	$3s^2\ 3p^3\ ^2D_{5/2}$ - $3s^2\ 3p^2\ (^1D)\ 3d\ ^4D_{7/2}$	6.2	4.04e+02
Al VIII	250.1390	$2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3S_1$	5.9	1.10e+02
Ni XIX *	250.3190	$2p^5\ 3p\ ^3P_1$ - $2p^5\ 3d\ ^3D_2$	7.0	1.66e+02
Fe XVII	250.5818	$2s^2\ 2p^5\ 3s\ ^3P_2$ - $2s^2\ 2p^5\ 3p\ ^1D_2$	6.9	1.48e+02
Co XXIV	250.8030	$2s^2\ ^1S_0$ - $2s\ 2p\ ^3P_1$	7.2	1.34e+02
Si VIII	250.8070	$2s^2\ 2p^3\ ^2P_{3/2}$ - $2s\ 2p^4\ ^2S_{1/2}$	5.9	1.46e+02
Fe X *	250.9000	$3s^2\ 3p^5\ ^2P_{1/2}$ - $3s^2\ 3p^4\ (^1D)\ 3d\ ^2P_{1/2}$	6.1	1.64e+02
Fe XVI	251.0630	$3p\ ^2P_{1/2}$ - $3d\ ^2D_{3/2}$	6.8	1.58e+04
Ne III	251.1230	$2s^2\ 2p^4\ ^3P_2$ - $2s^2\ 2p^3\ (^4S)\ 3d\ ^3D_3$	5.1	1.29e+02
Fe XVII *	251.7672	$2s^2\ 2p^5\ 3s\ ^3P_2$ - $2s^2\ 2p^5\ 3p\ ^3P_1$	7.2	7.84e+04
Fe XIII	251.9560	$3s^2\ 3p^2\ ^3P_2$ - $3s\ 3p^3\ ^3S_1$	6.3	3.72e+03
Fe XVIII	252.0166	$2s^2\ 2p^4\ (^3P)\ 3s\ ^2P_{1/2}$ - $2s^2\ 2p^4\ (^1D)\ 3p\ ^2P_{3/2}$	6.9	9.16e+02
Fe XIV	252.2010	$3s^2\ 3p\ ^2P_{1/2}$ - $3s\ 3p^2\ ^2P_{3/2}$	6.3	2.43e+03
Ni XIX *	252.6042	$2p^5\ 3p\ ^3D_3$ - $2p^5\ 3d\ ^3F_4$	7.0	3.59e+02
O IV	252.9480	$2s\ 2p^2\ ^2P_{1/2}$ - $2s\ 2p\ (^1P)\ 3d\ ^2D_{3/2}$	5.3	1.04e+02
O IV	253.0820	$2s\ 2p^2\ ^2P_{3/2}$ - $2s\ 2p\ (^1P)\ 3d\ ^2D_{5/2}$	5.3	1.86e+02
Fe XXII	253.1704	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^4P_{5/2}$	7.1	1.07e+04
Si X	253.7880	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2P_{3/2}$	6.2	7.13e+02
Ni XIX *	253.7953	$2p^5\ 3s\ ^3P_1$ - $2p^5\ 3p\ ^3P_0$	7.0	3.42e+02
Fe VIII	253.9530	$3p^6\ 3d\ ^2D_{5/2}$ - $3p^5\ 3d^2\ (^3F)\ ^4D_{7/2}$	5.6	5.76e+02
Fe XVII	254.3466	$2s^2\ 2p^5\ 3s\ ^3P_1$ - $2s^2\ 2p^5\ 3p\ ^1S_0$	7.2	2.98e+05

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XVII	254.4806	$2s^2\ 2p^5\ 3p\ ^3S_1$ - $2s^2\ 2p^5\ 3d\ ^3P_2$	7.2	8.21e+03
Fe VIII	255.1030	$3p^6\ 3d\ ^2D_{3/2}$ - $3p^5\ 3d^2\ (^3F)\ ^4D_{3/2}$	5.6	2.89e+02
Fe XXIV	255.1136	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{1/2}$	7.2	4.84e+05
O IV	255.2500	$2s\ 2p^2\ ^2D_{5/2}$ - $2s\ 2p\ (^1P)\ 3s\ ^2P_{3/2}$	5.2	3.81e+02
O IV	255.2660	$2s\ 2p^2\ ^2D_{3/2}$ - $2s\ 2p\ (^1P)\ 3s\ ^2P_{1/2}$	5.2	2.03e+02
Fe VIII	255.3440	$3p^6\ 3d\ ^2D_{5/2}$ - $3p^5\ 3d^2\ (^3F)\ ^4D_{5/2}$	5.6	3.92e+02
Fe VIII	255.6780	$3p^6\ 3d\ ^2D_{3/2}$ - $3p^5\ 3d^2\ (^3F)\ ^4D_{1/2}$	5.6	1.65e+02
Fe XVIII *	256.1139	$2s^2\ 2p^4\ (^3P)\ 3s\ ^4P_{5/2}$ - $2s^2\ 2p^4\ (^3P)\ 3p\ ^2D_{3/2}$	6.9	1.16e+02
He II	256.3170	$1s\ ^2S_{1/2}$ - $3p\ ^2P_{3/2}$	4.9	1.11e+05
He II	256.3180	$1s\ ^2S_{1/2}$ - $3p\ ^2P_{1/2}$	4.9	5.52e+04
Si X	256.3660	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2P_{1/2}$	6.2	1.28e+03
Zn XX	256.3713	$3s\ ^2S_{1/2}$ - $3p\ ^2P_{3/2}$	6.9	2.53e+03
Fe X	256.3980	$3s^2\ 3p^5\ ^2P_{3/2}$ - $3s^2\ 3p^4\ (^3P)\ 3d\ ^4D_{3/2}$	6.1	2.19e+02
Fe XII	256.4100	$3s^2\ 3p^3\ ^2D_{5/2}$ - $3s^2\ 3p^2\ (^3P)\ 3d\ ^4F_{7/2}$	6.2	3.94e+02
Fe XIII	256.4220	$3s^2\ 3p^2\ ^1D_2$ - $3s\ 3p^3\ ^1P_1$	6.2	9.34e+02
Ni XVI	256.6210	$3s^2\ 3p\ ^2P_{3/2}$ - $3s\ 3p^2\ ^2S_{1/2}$	6.5	1.39e+02
S XIII	256.6852	$2s^2\ ^1S_0$ - $2s\ 2p\ ^1P_1$	6.5	4.45e+04
S X	257.1472	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{1/2}$	6.2	7.47e+02
Fe X	257.2590	$3s^2\ 3p^5\ ^2P_{3/2}$ - $3s^2\ 3p^4\ (^3P)\ 3d\ ^4D_{5/2}$	6.1	5.21e+02
Fe X	257.2630	$3s^2\ 3p^5\ ^2P_{3/2}$ - $3s^2\ 3p^4\ (^3P)\ 3d\ ^4D_{7/2}$	6.1	3.92e+02
Fe XIV	257.3950	$3s^2\ 3p\ ^2P_{1/2}$ - $3s\ 3p^2\ ^2P_{1/2}$	6.3	3.15e+03
Fe XI	257.5470	$3s^2\ 3p^4\ ^3P_2$ - $3s^2\ 3p^3\ (^4S)\ 3d\ ^5D_3$	6.2	1.74e+02
Si IX	258.0820	$2s^2\ 2p^2\ ^1D_2$ - $2s\ 2p^3\ ^1D_2$	6.1	7.60e+02
Ar XIV	258.0840	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2D_{3/2}$	6.6	1.16e+02
Si X	258.3710	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2P_{3/2}$	6.2	3.70e+03
Ti XX	259.2727	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{3/2}$	7.1	3.67e+03
Fe XII	259.4950	$3s^2\ 3p^3\ ^2D_{3/2}$ - $3s^2\ 3p^2\ (^3P)\ 3d\ ^4F_{3/2}$	6.2	1.42e+02
S X	259.4967	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{3/2}$	6.2	1.44e+03
Fe XVII	259.5358	$2s^2\ 2p^5\ 3p\ ^3D_2$ - $2s^2\ 2p^5\ 3d\ ^1D_2$	7.2	1.72e+03
Fe XII	259.9630	$3s^2\ 3p^3\ ^2D_{5/2}$ - $3s^2\ 3p^2\ (^3P)\ 3d\ ^4F_{5/2}$	6.2	1.07e+02
O IV	260.3890	$2s\ 2p^2\ ^2D_{5/2}$ - $2s\ 2p\ (^3P)\ 3d\ ^2F_{7/2}$	5.2	1.11e+03
O IV	260.5560	$2s\ 2p^2\ ^2D_{3/2}$ - $2s\ 2p\ (^3P)\ 3d\ ^2F_{5/2}$	5.2	7.61e+02
Si X	261.0440	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2P_{1/2}$	6.2	1.14e+03
Fe XVII	261.1325	$2s^2\ 2p^5\ 3s\ ^1P_1$ - $2s^2\ 2p^5\ 3p\ ^1D_2$	6.9	1.07e+02
Fe XVII *	262.4574	$2s^2\ 2p^5\ 3s\ ^1P_1$ - $2s^2\ 2p^5\ 3p\ ^3P_1$	7.2	3.46e+02
Ni XX *	262.7421	$2s^2\ 2p^4\ (^3P)\ 3p\ ^4P_{5/2}$ - $2s^2\ 2p^4\ (^3P)\ 3d\ ^4D_{7/2}$	7.1	1.61e+02
Fe XVII	262.7856	$2s^2\ 2p^5\ 3p\ ^3D_3$ - $2s^2\ 2p^5\ 3d\ ^3D_3$	6.9	9.11e+02
Fe XVI	262.9760	$3p\ ^2P_{3/2}$ - $3d\ ^2D_{5/2}$	6.8	2.64e+04
Fe XVII	263.5502	$2s^2\ 2p^5\ 3p\ ^3S_1$ - $2s^2\ 2p^5\ 3d\ ^3P_1$	7.2	1.41e+03
Fe XXIII	263.7657	$2s^2\ ^1S_0$ - $2s\ 2p\ ^3P_1$	7.2	8.47e+04
Ni XX *	264.1985	$2s^2\ 2p^4\ (^3P)\ 3p\ ^2D_{5/2}$ - $2s^2\ 2p^4\ (^3P)\ 3d\ ^2F_{7/2}$	7.1	2.39e+02
S X	264.2306	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{5/2}$	6.2	2.09e+03
Fe XIV	264.7900	$3s^2\ 3p\ ^2P_{3/2}$ - $3s\ 3p^2\ ^2P_{3/2}$	6.3	1.00e+04
Fe XVI	265.0010	$3p\ ^2P_{3/2}$ - $3d\ ^2D_{3/2}$	6.8	2.55e+03
Ni XX	265.0221	$2s^2\ 2p^4\ (^1D)\ 3s\ ^2D_{5/2}$ - $2s^2\ 2p^4\ (^1D)\ 3p\ ^2P_{3/2}$	7.1	1.47e+02
Ni XXIV	265.9007	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^4P_{3/2}$	7.2	3.42e+02
N V	266.1960	$1s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 3s\ ^2S_{1/2}$	5.3	1.44e+02
N V	266.3800	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 3s\ ^2S_{1/2}$	5.3	2.88e+02
Mn XXIII	266.8807	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{1/2}$	7.2	4.63e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
O IV	266.9310	2s $2p^2$ $^2D_{5/2}$ - 2s 2p (^{3}P) 3d $^2D_{5/2}$	5.2	5.70e+02
Fe XVII	266.9647	2s $2p^6$ 3p $^1P_1$ - 2s $2p^6$ 3d $^1D_2$	6.9	8.19e+02
O IV	266.9810	2s $2p^2$ $^2D_{3/2}$ - 2s 2p (^{3}P) 3d $^2D_{3/2}$	5.2	3.67e+02
Fe XVII *	267.0698	$2s^2$ $2p^5$ 3p $^3D_1$ - $2s^2$ $2p^5$ 3d $^3F_2$	6.9	1.89e+03
Ne III	267.0700	$2s^2$ $2p^4$ $^3P_2$ - $2s^2$ $2p^3$ (^{2}P) 3s $^3P_2$	5.1	2.57e+02
Ne III	267.5290	$2s^2$ $2p^4$ $^3P_1$ - $2s^2$ $2p^3$ (^{2}P) 3s $^3P_2$	5.1	1.01e+02
Fe XVIII *	268.1150	$2s^2$ $2p^4$ (^{3}P) 3p $^4P_{5/2}$ - $2s^2$ $2p^4$ (^{3}P) 3d $^2F_{7/2}$	6.9	3.57e+02
Fe XVII *	268.7112	$2s^2$ $2p^5$ 3s $^3P_2$ - $2s^2$ $2p^5$ 3p $^3D_1$	7.2	1.15e+03
Ni XIX *	268.7599	$2p^5$ 3p $^3P_2$ - $2p^5$ 3d $^3P_2$	7.0	1.00e+02
Mg VI	268.9912	$2s^2$ $2p^3$ $^2D_{3/2}$ - 2s $2p^4$ $^2P_{1/2}$	5.7	6.93e+02
Fe XVII	269.5074	$2s^2$ $2p^5$ 3p $^3D_2$ - $2s^2$ $2p^5$ 3d $^3F_3$	6.9	3.68e+03
Fe XVII	269.8805	$2s^2$ $2p^5$ 3p $^3S_1$ - $2s^2$ $2p^5$ 3d $^3P_0$	7.2	4.70e+05
Mg VI	270.3906	$2s^2$ $2p^3$ $^2D_{5/2}$ - 2s $2p^4$ $^2P_{3/2}$	5.7	1.30e+03
Mg VI	270.4001	$2s^2$ $2p^3$ $^2D_{3/2}$ - 2s $2p^4$ $^2P_{3/2}$	5.7	1.74e+02
Fe XIV	270.5220	$3s^2$ 3p $^2P_{3/2}$ - 3s $3p^2$ $^2P_{1/2}$	6.3	4.75e+03
Fe XXI	270.5463	$2s^2$ $2p^2$ $^3P_2$ - 2s $2p^3$ $^5S_2$	7.1	5.66e+03
O V	270.7810	$2p^2$ $^3P_1$ - 2s 3p $^3P_2$	5.4	1.77e+02
O V	270.8650	$2p^2$ $^3P_1$ - 2s 3p $^3P_0$	5.4	1.33e+02
O V	270.9780	$2p^2$ $^3P_2$ - 2s 3p $^3P_2$	5.4	5.25e+02
O V	271.0350	$2p^2$ $^3P_2$ - 2s 3p $^3P_1$	5.4	1.11e+02
Fe XXV	271.1570	1s 2s $^3S_1$ - 1s 2p $^3P_2$	7.7	1.71e+02
Ni XX *	271.8889	$2s^2$ $2p^4$ (^{3}P) 3p $^4D_{7/2}$ - $2s^2$ $2p^4$ (^{3}P) 3d $^4F_{9/2}$	7.1	2.93e+02
O IV	271.9900	2s $2p^2$ $^4P_{3/2}$ - 2s 2p (^{3}P) 3s $^4P_{5/2}$	5.2	1.31e+02
Si X	272.0060	$2s^2$ 2p $^2P_{1/2}$ - 2s $2p^2$ $^2S_{1/2}$	6.2	8.62e+02
O IV	272.0760	2s $2p^2$ $^4P_{1/2}$ - 2s 2p (^{3}P) 3s $^4P_{3/2}$	5.2	1.01e+02
O IV	272.1270	2s $2p^2$ $^4P_{5/2}$ - 2s 2p (^{3}P) 3s $^4P_{5/2}$	5.2	3.05e+02
O IV	272.2730	2s $2p^2$ $^4P_{3/2}$ - 2s 2p (^{3}P) 3s $^4P_{1/2}$	5.2	1.25e+02
O IV	272.3100	2s $2p^2$ $^4P_{5/2}$ - 2s 2p (^{3}P) 3s $^4P_{3/2}$	5.2	1.09e+02
Si VII	272.6479	$2s^2$ $2p^4$ $^3P_2$ - 2s $2p^5$ $^3P_1$	5.8	7.04e+02
Ni XX *	273.8591	$2s^2$ $2p^4$ (^{3}P) 3p $^4D_{5/2}$ - $2s^2$ $2p^4$ (^{3}P) 3d $^4F_{7/2}$	7.1	1.43e+02
Fe XVIII *	274.0234	$2s^2$ $2p^4$ (^{3}P) 3s $^4P_{5/2}$ - $2s^2$ $2p^4$ (^{3}P) 3p $^4D_{5/2}$	6.9	1.52e+02
Ni XV *	274.1040	$3s^2$ $3p^2$ $^3P_1$ - 3s $3p^3$ $^3P_1$	6.4	1.25e+02
Si VII	274.1804	$2s^2$ $2p^4$ $^3P_1$ - 2s $2p^5$ $^3P_0$	5.8	5.53e+02
Fe XIV	274.2040	$3s^2$ 3p $^2P_{1/2}$ - 3s $3p^2$ $^2S_{1/2}$	6.3	7.81e+03
Fe XVII	274.4769	$2s^2$ $2p^5$ 3p $^3D_2$ - $2s^2$ $2p^5$ 3d $^3P_2$	7.2	1.24e+03
Si VII	275.3612	$2s^2$ $2p^4$ $^3P_2$ - 2s $2p^5$ $^3P_2$	5.8	2.14e+03
Fe XVII	275.6732	$2s^2$ $2p^5$ 3p $^1P_1$ - $2s^2$ $2p^5$ 3d $^1D_2$	7.2	2.56e+03
Si VII	275.6755	$2s^2$ $2p^4$ $^3P_1$ - 2s $2p^5$ $^3P_1$	5.8	4.03e+02
Mg VII	276.1540	$2s^2$ $2p^2$ $^3P_0$ - 2s $2p^3$ $^3S_1$	5.8	2.85e+02
Mg V	276.5790	$2s^2$ $2p^4$ $^1D_2$ - 2s $2p^5$ $^1P_1$	5.4	2.07e+03
Ni XX *	276.7987	$2s^2$ $2p^4$ (^{1}D) 3p $^2F_{7/2}$ - $2s^2$ $2p^4$ (^{1}D) 3d $^2G_{9/2}$	7.1	1.56e+02
Si VIII	276.8500	$2s^2$ $2p^3$ $^2D_{3/2}$ - 2s $2p^4$ $^2D_{3/2}$	5.9	7.77e+02
Si VII	276.8508	$2s^2$ $2p^4$ $^3P_0$ - 2s $2p^5$ $^3P_1$	5.8	5.27e+02
Mg VII	277.0030	$2s^2$ $2p^2$ $^3P_1$ - 2s $2p^3$ $^3S_1$	5.8	8.50e+02
Si VIII	277.0580	$2s^2$ $2p^3$ $^2D_{5/2}$ - 2s $2p^4$ $^2D_{5/2}$	5.9	1.03e+03
Si X	277.2780	$2s^2$ 2p $^2P_{3/2}$ - 2s $2p^2$ $^2S_{1/2}$	6.2	7.05e+02
Mn XXII	277.8010	$2s^2$ $^1S_0$ - 2s 2p $^3P_1$	7.1	3.74e+02
Fe XVIII *	277.9945	$2s^2$ $2p^4$ (^{1}D) 3p $^2F_{7/2}$ - $2s^2$ $2p^4$ (^{1}D) 3d $^2F_{7/2}$	6.9	4.52e+02
P XII	278.2860	$2s^2$ $^1S_0$ - 2s 2p $^1P_1$	6.3	3.43e+02

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Mg VII	278.4040	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3S_1$	5.8	1.43e+03
Si VII	278.4496	$2s^2\ 2p^4\ ^3P_1$ - $2s\ 2p^5\ ^3P_2$	5.8	6.83e+02
Al V	278.6950	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s\ 2p^6\ ^2S_{1/2}$	5.4	1.45e+02
Fe XVII	278.9958	$2s^2\ 2p^5\ 3p\ ^3D_3$ - $2s^2\ 2p^5\ 3d\ ^3F_3$	6.9	5.89e+02
O IV	279.6310	$2s^2\ 2p\ ^2P_{1/2}$ - $2s^2\ 3s\ ^2S_{1/2}$	5.2	1.21e+03
Cr XXII	279.7443	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{1/2}$	7.1	8.83e+03
O IV	279.9330	$2s^2\ 2p\ ^2P_{3/2}$ - $2s^2\ 3s\ ^2S_{1/2}$	5.2	2.43e+03
Ni XX *	280.0153	$2s^2\ 2p^4\ (^3P)\ 3s\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 3p\ ^4S_{3/2}$	7.1	1.86e+02
Fe XVII	280.2005	$2s^2\ 2p^5\ 3p\ ^3P_2$ - $2s^2\ 2p^5\ 3d\ ^3D_3$	6.9	3.16e+03
Fe XVII	280.2005	$2s^2\ 2p^5\ 3p\ ^1D_2$ - $2s^2\ 2p^5\ 3d\ ^1F_3$	6.9	3.89e+03
Mn XV	280.3480	$3p\ ^2P_{3/2}$ - $3d\ ^2D_{5/2}$	6.8	1.34e+02
Mg VII	280.7420	$2s^2\ 2p^2\ ^1D_2$ - $2s\ 2p^3\ ^1P_1$	5.8	1.15e+03
Fe XVII *	280.9236	$2s^2\ 2p^5\ 3s\ ^1P_1$ - $2s^2\ 2p^5\ 3p\ ^3D_1$	7.2	3.77e+03
Fe XVII *	280.9951	$2s^2\ 2p^5\ 3p\ ^3P_1$ - $2s^2\ 2p^5\ 3d\ ^3D_2$	7.2	9.37e+03
S XI	281.4021	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^3\ ^3D_1$	6.3	6.25e+02
Ni XXIII	281.5560	$2s^2\ 2p^2\ ^3P_1$ - $2s^2\ 2p^2\ ^1S_0$	7.2	1.73e+02
Ne III	283.1440	$2s^2\ 2p^4\ ^3P_2$ - $2s^2\ 2p^3\ (^2D)\ 3s\ ^3D_2$	5.1	1.07e+02
Ne III	283.1670	$2s^2\ 2p^4\ ^3P_2$ - $2s^2\ 2p^3\ (^2D)\ 3s\ ^3D_3$	5.1	5.42e+02
N IV	283.4170	$2s\ 2p\ ^3P_0$ - $2s\ 3d\ ^3D_1$	5.2	3.76e+02
Fe XII	283.4430	$3s^2\ 3p^3\ ^2D_{3/2}$ - $3s\ 3p^4\ ^2P_{1/2}$	6.2	1.66e+02
N IV	283.4650	$2s\ 2p\ ^3P_1$ - $2s\ 3d\ ^3D_2$	5.2	8.25e+02
N IV	283.4680	$2s\ 2p\ ^3P_1$ - $2s\ 3d\ ^3D_1$	5.2	2.82e+02
Fe XVII *	283.5643	$2s^2\ 2p^5\ 3p\ ^1D_2$ - $2s^2\ 2p^5\ 3d\ ^3D_2$	7.2	1.18e+03
N IV	283.5740	$2s\ 2p\ ^3P_2$ - $2s\ 3d\ ^3D_3$	5.2	1.65e+03
N IV	283.5810	$2s\ 2p\ ^3P_2$ - $2s\ 3d\ ^3D_2$	5.2	2.75e+02
Ne III	283.6440	$2s^2\ 2p^4\ ^3P_1$ - $2s^2\ 2p^3\ (^2D)\ 3s\ ^3D_1$	5.1	1.01e+02
Ne III	283.6600	$2s^2\ 2p^4\ ^3P_1$ - $2s^2\ 2p^3\ (^2D)\ 3s\ ^3D_2$	5.1	2.79e+02
Ne III	283.8680	$2s^2\ 2p^4\ ^3P_0$ - $2s^2\ 2p^3\ (^2D)\ 3s\ ^3D_1$	5.1	1.25e+02
Fe XVII	284.0107	$2s^2\ 2p^5\ 3p\ ^3D_3$ - $2s^2\ 2p^5\ 3d\ ^3F_4$	6.9	3.44e+03
Al IX	284.0250	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2P_{3/2}$	6.1	2.63e+02
Ni XIX *	284.1471	$2p^5\ 3s\ ^3P_2$ - $2p^5\ 3p\ ^3P_2$	7.0	3.90e+02
Fe XV	284.1630	$3s^2\ ^1S_0$ - $3s\ 3p\ ^1P_1$	6.4	1.38e+05
Ni XV	284.2020	$3s^2\ 3p^2\ ^3P_2$ - $3s\ 3p^3\ ^3P_2$	6.4	1.06e+02
Fe XVII	284.3249	$2s^2\ 2p^5\ 3p\ ^3D_3$ - $2s^2\ 2p^5\ 3d\ ^3P_2$	7.2	4.52e+02
Fe XVII	285.0576	$2s^2\ 2p^5\ 3p\ ^3D_2$ - $2s^2\ 2p^5\ 3d\ ^3P_1$	7.2	1.09e+02
Fe XVII	285.4970	$2s^2\ 2p^5\ 3d\ ^1P_1$ - $2s\ 2p^6\ 3s\ ^1S_0$	7.2	2.73e+04
S XI	285.5875	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3D_1$	6.3	3.06e+02
O IV	285.7100	$2s\ 2p^2\ ^2S_{1/2}$ - $2s\ 2p\ (^3P)\ 3d\ ^2P_{1/2}$	5.2	1.79e+02
S XI	285.8226	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3D_2$	6.3	1.12e+03
O IV	285.8340	$2s\ 2p^2\ ^2S_{1/2}$ - $2s\ 2p\ (^3P)\ 3d\ ^2P_{3/2}$	5.2	3.60e+02
Fe XVIII *	286.3628	$2s^2\ 2p^4\ (^3P)\ 3s\ ^4P_{5/2}$ - $2s^2\ 2p^4\ (^3P)\ 3p\ ^2P_{3/2}$	6.9	5.28e+02
O V	286.4480	$2p^2\ ^1D_2$ - $2s\ 3p\ ^1P_1$	5.4	1.28e+02
Fe XVIII *	287.2339	$2s^2\ 2p^4\ (^3P)\ 3p\ ^4D_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 3d\ ^4F_{5/2}$	6.9	1.80e+02
Ni XVII *	287.6750	$3s\ 3p\ ^3P_2$ - $3p^2\ ^1D_2$	6.7	1.73e+02
Ni XVI	288.1660	$3s^2\ 3p\ ^2P_{1/2}$ - $3s\ 3p^2\ ^2D_{3/2}$	6.5	7.31e+02
Zn XX	288.1825	$3s\ ^2S_{1/2}$ - $3p\ ^2P_{1/2}$	6.9	1.17e+03
S XII	288.4210	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2D_{3/2}$	6.4	3.28e+03
Fe XIII	288.5650	$3s^2\ 3p^2\ ^1S_0$ - $3s\ 3p^3\ ^1P_1$	6.2	1.20e+02
Fe XVII *	288.8804	$2s^2\ 2p^5\ 3p\ ^1D_2$ - $2s^2\ 2p^5\ 3d\ ^3F_2$	6.9	2.04e+02

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XIV	289.1510	$3s^2\ 3p\ ^2P_{3/2}$ - $3s\ 3p^2\ ^2S_{1/2}$	6.3	4.78e+02
C IV	289.2280	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 4d\ ^2D_{5/2}$	5.1	1.62e+02
Fe XIX	289.7632	$2s^2\ 2p^3\ (^2D)\ 3s\ ^3D_2$ - $2s^2\ 2p^3\ (^2D)\ 3p\ ^3P_2$	7.0	1.60e+02
Fe XVIII *	290.4525	$2s^2\ 2p^4\ (^3P)\ 3p\ ^4P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 3d\ ^4D_{3/2}$	6.9	1.33e+02
Si IX	290.6870	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^3\ ^3P_1$	6.1	4.08e+02
Fe XII	291.0100	$3s^2\ 3p^3\ ^2D_{5/2}$ - $3s\ 3p^4\ ^2P_{3/2}$	6.2	6.03e+02
Mg VI	291.3631	$2s^2\ 2p^3\ ^2P_{1/2}$ - $2s\ 2p^4\ ^2P_{1/2}$	5.7	1.08e+02
Mg VI	291.4557	$2s^2\ 2p^3\ ^2P_{3/2}$ - $2s\ 2p^4\ ^2P_{1/2}$	5.7	1.12e+02
S XI	291.5780	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3D_3$	6.3	1.16e+03
S XI	291.8112	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3D_2$	6.3	1.58e+02
Ni XVIII	291.9840	$3s\ ^2S_{1/2}$ - $3p\ ^2P_{3/2}$	6.9	5.16e+04
Fe XV	292.2750	$3s\ 3p\ ^3P_1$ - $3p^2\ ^3P_2$	6.4	4.44e+02
Fe XXII	292.4593	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^4P_{3/2}$	7.1	1.08e+04
O VIII	292.4658	$3s\ ^2S_{1/2}$ - $4p\ ^2P_{3/2}$	7.1	1.21e+02
Fe XVII	292.5907	$2s^2\ 2p^5\ 3p\ ^1P_1$ - $2s^2\ 2p^5\ 3d\ ^3P_2$	7.2	1.30e+03
O VIII	292.5997	$3p\ ^2P_{1/2}$ - $4s\ ^2S_{1/2}$	7.1	1.13e+02
Si IX	292.7590	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3P_2$	6.1	4.39e+02
Si IX	292.8090	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3P_0$	6.1	4.45e+02
Si IX	292.8550	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3P_1$	6.1	3.84e+02
O VIII	292.9814	$3p\ ^2P_{3/2}$ - $4s\ ^2S_{1/2}$	7.1	2.27e+02
Cr XXI	293.1100	$2s^2\ ^1S_0$ - $2s\ 2p\ ^3P_1$	7.1	5.97e+02
Mg VI	293.1104	$2s^2\ 2p^3\ ^2P_{3/2}$ - $2s\ 2p^4\ ^2P_{3/2}$	5.7	2.63e+02
Fe VI	293.7430	$3d^3\ ^4F_{9/2}$ - $3d^2\ (^3F)\ 4p\ ^4F_{9/2}$	5.2	1.79e+02
Fe XVII *	293.8469	$2s^2\ 2p^5\ 3s\ ^1P_1$ - $2s^2\ 2p^5\ 3p\ ^3P_0$	7.2	4.09e+05
Fe VI	293.9650	$3d^3\ ^4F_{7/2}$ - $3d^2\ (^3F)\ 4p\ ^4F_{7/2}$	5.2	1.24e+02
Fe XVII *	294.4594	$2s\ 2p^6\ 3p\ ^3P_2$ - $2s\ 2p^6\ 3d\ ^3D_3$	6.9	1.12e+02
Fe XVIII *	294.5002	$2s^2\ 2p^4\ (^1D)\ 3p\ ^2F_{5/2}$ - $2s^2\ 2p^4\ (^1D)\ 3d\ ^2G_{7/2}$	6.9	1.05e+03
Fe XVIII *	294.5089	$2s^2\ 2p^4\ (^3P)\ 3p\ ^4P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 3d\ ^4D_{5/2}$	6.9	6.78e+02
Fe XVIII *	295.1939	$2s^2\ 2p^4\ (^3P)\ 3p\ ^2D_{5/2}$ - $2s^2\ 2p^4\ (^3P)\ 3d\ ^2F_{7/2}$	6.9	2.66e+03
Fe VI	295.3610	$3d^3\ ^2G_{9/2}$ - $3d^2\ (^1D)\ 4p\ ^2F_{7/2}$	5.2	1.17e+02
O IV	295.6670	$2s\ 2p^2\ ^2P_{1/2}$ - $2s\ 2p\ (^1P)\ 3s\ ^2P_{1/2}$	5.2	1.06e+02
Fe XVIII	295.6836	$2s^2\ 2p^4\ (^1D)\ 3s\ ^2D_{5/2}$ - $2s^2\ 2p^4\ (^1D)\ 3p\ ^2P_{3/2}$	6.9	2.03e+03
O IV	295.8710	$2s\ 2p^2\ ^2P_{3/2}$ - $2s\ 2p\ (^1P)\ 3s\ ^2P_{3/2}$	5.2	2.73e+02
Si IX	296.1130	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3P_2$	6.1	1.67e+03
Si IX	296.2110	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3P_1$	6.1	4.81e+02
Fe XVIII *	296.3987	$2s^2\ 2p^4\ (^3P)\ 3p\ ^4P_{5/2}$ - $2s^2\ 2p^4\ (^3P)\ 3d\ ^4D_{7/2}$	6.9	1.78e+03
C IV	296.9510	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 4s\ ^2S_{1/2}$	5.1	1.41e+02
Fe VI	297.3080	$3d^3\ ^2H_{9/2}$ - $3d^2\ (^1G)\ 4p\ ^2G_{7/2}$	5.2	1.48e+02
Fe VI	297.5630	$3d^3\ ^2H_{11/2}$ - $3d^2\ (^1G)\ 4p\ ^2G_{9/2}$	5.2	1.78e+02
Fe XVIII *	297.7454	$2s^2\ 2p^4\ (^3P)\ 3p\ ^4P_{5/2}$ - $2s^2\ 2p^4\ (^3P)\ 3d\ ^4D_{5/2}$	6.9	9.98e+02
Ni XIX *	297.8661	$2p^5\ 3s\ ^3P_1$ - $2p^5\ 3p\ ^3P_2$	7.0	2.78e+02
Fe XVIII	297.9743	$2s^2\ 2p^4\ (^1D)\ 3s\ ^2D_{3/2}$ - $2s^2\ 2p^4\ (^1D)\ 3p\ ^2P_{3/2}$	6.9	1.33e+02
Ni XV	298.1520	$3s^2\ 3p^2\ ^3P_0$ - $3s\ 3p^3\ ^3D_1$	6.4	1.82e+02
Ni XIX *	298.2276	$2p^5\ 3s\ ^3P_0$ - $2p^5\ 3p\ ^3P_1$	7.0	2.00e+02
S XII	299.5407	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2D_{5/2}$	6.4	1.23e+03
Fe XVIII *	299.6099	$2s^2\ 2p^4\ (^3P)\ 3s\ ^4P_{5/2}$ - $2s^2\ 2p^4\ (^3P)\ 3p\ ^4D_{3/2}$	6.9	2.28e+02
S XII	299.7787	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2D_{3/2}$	6.4	3.54e+02
Cr XIV	300.2960	$3p\ ^2P_{3/2}$ - $3d\ ^2D_{5/2}$	6.7	1.18e+02
Fe XVIII *	300.5635	$2s^2\ 2p^4\ (^3P)\ 3p\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 3d\ ^4F_{5/2}$	6.9	5.62e+02

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XVIII *	300.7479	$2s^2\ 2p^4\ (^1D)\ 3p\ ^2D_{5/2}$ - $2s^2\ 2p^4\ (^1D)\ 3d\ ^2F_{7/2}$	6.9	8.27e+02
S XIII	300.9860	$2s\ 2p\ ^1P_1$ - $2p^2\ ^1S_0$	6.5	1.41e+02
Ne III	301.1240	$2s^2\ 2p^4\ ^1D_2$ - $2s^2\ 2p^3\ (^2D)\ 3s\ ^1D_2$	5.1	7.40e+02
Ca XVIII	302.1902	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{3/2}$	7.1	7.20e+04
Ni XIV	302.2719	$3s^2\ 3p^3\ ^4S_{3/2}$ - $3s\ 3p^4\ ^4P_{3/2}$	6.4	1.53e+02
Fe XV	302.3340	$3s\ 3p\ ^3P_0$ - $3p^2\ ^3P_1$	6.4	3.05e+02
Ni XIX *	302.5642	$2p^5\ 3s\ ^1P_1$ - $2p^5\ 3p\ ^1D_2$	7.0	6.20e+02
Ni XIII	302.8340	$3s^2\ 3p^4\ ^3P_2$ - $3s\ 3p^5\ ^3P_2$	6.3	1.39e+02
Fe XVIII *	303.1071	$2s^2\ 2p^4\ (^3P)\ 3p\ ^4D_{7/2}$ - $2s^2\ 2p^4\ (^3P)\ 3d\ ^4F_{9/2}$	6.9	3.15e+03
Fe XIII	303.3010	$3s^2\ 3p^2\ ^3P_0$ - $3s\ 3p^3\ ^3P_1$	6.3	3.15e+02
Si XI	303.3268	$2s^2\ ^1S_0$ - $2s\ 2p\ ^1P_1$	6.2	2.63e+04
O III	303.4130	$2s^2\ 2p^2\ ^3P_0$ - $2s^2\ 2p\ 3d\ ^3P_1$	5.1	4.96e+02
O III	303.4610	$2s^2\ 2p^2\ ^3P_1$ - $2s^2\ 2p\ 3d\ ^3P_0$	5.1	6.00e+02
O III	303.5170	$2s^2\ 2p^2\ ^3P_1$ - $2s^2\ 2p\ 3d\ ^3P_1$	5.1	5.33e+02
O III	303.6220	$2s^2\ 2p^2\ ^3P_1$ - $2s^2\ 2p\ 3d\ ^3P_2$	5.1	5.18e+02
O III	303.6950	$2s^2\ 2p^2\ ^3P_2$ - $2s^2\ 2p\ 3d\ ^3P_1$	5.1	7.75e+02
He II	303.7810	$1s\ ^2S_{1/2}$ - $2p\ ^2P_{3/2}$	4.9	7.38e+05
He II	303.7860	$1s\ ^2S_{1/2}$ - $2p\ ^2P_{1/2}$	4.9	3.69e+05
O III	303.8000	$2s^2\ 2p^2\ ^3P_2$ - $2s^2\ 2p\ 3d\ ^3P_2$	5.1	2.54e+03
Fe XIX *	304.4759	$2s^2\ 2p^3\ (^2D)\ 3s\ ^1D_2$ - $2s^2\ 2p^3\ (^2D)\ 3p\ ^1D_2$	7.0	1.34e+02
Ni XIX *	304.6743	$2p^5\ 3s\ ^3P_2$ - $2p^5\ 3p\ ^3D_3$	7.0	7.15e+02
Fe XVII	304.8228	$2s^2\ 2p^5\ 3p\ ^3P_2$ - $2s^2\ 2p^5\ 3d\ ^3P_2$	7.2	4.62e+03
Fe XV	304.8940	$3s\ 3p\ ^3P_2$ - $3p^2\ ^3P_2$	6.4	1.22e+03
Fe XVIII *	305.0581	$2s^2\ 2p^4\ (^3P)\ 3p\ ^4D_{5/2}$ - $2s^2\ 2p^4\ (^3P)\ 3d\ ^4F_{7/2}$	6.9	1.77e+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	3.43e+03
O III	305.7020	$2s^2\ 2p^2\ ^3P_1$ - $2s^2\ 2p\ 3d\ ^3D_1$	5.1	1.02e+03
O III	305.7670	$2s^2\ 2p^2\ ^3P_2$ - $2s^2\ 2p\ 3d\ ^3D_3$	5.1	6.06e+03
O III	305.8360	$2s^2\ 2p^2\ ^3P_2$ - $2s^2\ 2p\ 3d\ ^3D_2$	5.1	8.81e+02
Fe XVIII *	306.2333	$2s\ 2p^5\ (^3P)\ 3p\ ^2D_{5/2}$ - $2s\ 2p^5\ (^3P)\ 3d\ ^2F_{7/2}$	6.9	2.25e+02
O IV	306.6210	$2s\ 2p^2\ ^2D_{5/2}$ - $2s\ 2p\ (^3P)\ 3s\ ^2P_{3/2}$	5.2	3.51e+03
O IV	306.6340	$2s\ 2p^2\ ^2D_{3/2}$ - $2s\ 2p\ (^3P)\ 3s\ ^2P_{3/2}$	5.2	3.89e+02
O IV	306.8840	$2s\ 2p^2\ ^2D_{3/2}$ - $2s\ 2p\ (^3P)\ 3s\ ^2P_{1/2}$	5.2	1.92e+03
Ni XIX *	306.9270	$2p^5\ 3s\ ^1P_1$ - $2p^5\ 3p\ ^3P_1$	7.0	1.01e+02
Fe XVIII *	307.2212	$2s\ 2p^5\ (^3P)\ 3p\ ^4P_{5/2}$ - $2s\ 2p^5\ (^3P)\ 3d\ ^4D_{7/2}$	6.9	2.17e+02
Fe XV	307.7470	$3s\ 3p\ ^3P_1$ - $3p^2\ ^3P_1$	6.4	2.12e+02
Si VIII	308.1900	$2s^2\ 2p^3\ ^2P_{3/2}$ - $2s\ 2p^4\ ^2D_{5/2}$	5.9	1.71e+02
O III	308.3050	$2s^2\ 2p^2\ ^3P_2$ - $2s^2\ 2p\ 3d\ ^3F_3$	5.0	1.43e+02
Fe XI	308.5490	$3s^2\ 3p^4\ ^1D_2$ - $3s\ 3p^5\ ^1P_1$	6.2	3.41e+02
Ne III	308.5630	$2s^2\ 2p^4\ ^1S_0$ - $2s^2\ 2p^3\ (^2P)\ 3s\ ^1P_1$	5.1	1.98e+02
S XIII	308.9534	$2s\ 2p\ ^3P_2$ - $2p^2\ ^3P_2$	6.4	1.72e+02
Ti XX	309.0728	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{1/2}$	7.1	1.60e+03
Ni XVI	309.1770	$3s^2\ 3p\ ^2P_{3/2}$ - $3s\ 3p^2\ ^2D_{5/2}$	6.5	1.62e+02
Fe XVIII *	309.1894	$2s^2\ 2p^4\ (^1D)\ 3p\ ^2F_{7/2}$ - $2s^2\ 2p^4\ (^1D)\ 3d\ ^2G_{9/2}$	6.9	1.78e+03
Fe XX	309.2946	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^3\ ^2P_{3/2}$	7.1	7.28e+03
Al VI	309.5930	$2p^4\ ^3P_2$ - $2s\ 2p^5\ ^3P_2$	5.7	1.95e+02
Fe XVIII *	311.1790	$2s^2\ 2p^4\ (^3P)\ 3s\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 3p\ ^2P_{3/2}$	6.9	4.16e+02
O IV	311.4990	$2s\ 2p^2\ ^2P_{1/2}$ - $2s\ 2p\ (^3P)\ 3d\ ^2D_{3/2}$	5.2	1.14e+02
Fe XIII	311.5520	$3s^2\ 3p^2\ ^3P_1$ - $3s\ 3p^3\ ^3P_2$	6.2	1.53e+02

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
O IV	311.6820	2s $2p^2$ $^2P_{3/2}$ - 2s 2p (^{3}P) 3d $^2D_{5/2}$	5.2	2.05e+02
Fe VI	311.7070	$3d^3$ $^2H_{11/2}$ - $3d^2$ (^{3}F) 4p $^2G_{9/2}$	5.2	1.01e+02
Mg VIII	311.7730	$2s^2$ 2p $^2P_{1/2}$ - 2s $2p^2$ $^2P_{3/2}$	5.9	7.22e+02
Fe XIII	312.1090	$3s^2$ $3p^2$ $^3P_1$ - 3s $3p^3$ $^3P_1$	6.3	4.72e+02
Mg V	312.3070	$2s^2$ $2p^4$ $^1S_0$ - 2s $2p^5$ $^1P_1$	5.4	1.03e+02
Fe XVIII *	312.3678	2s $2p^5$ (^{3}P) 3p $^4P_{3/2}$ - 2s $2p^5$ (^{3}P) 3d $^4D_{5/2}$	6.9	1.31e+02
C IV	312.4210	$1s^2$ 2s $^2S_{1/2}$ - $1s^2$ 3p $^2P_{3/2}$	5.1	1.27e+03
C IV	312.4520	$1s^2$ 2s $^2S_{1/2}$ - $1s^2$ 3p $^2P_{1/2}$	5.1	6.35e+02
Co XVII	312.5430	3s $^2S_{1/2}$ - 3p $^2P_{3/2}$	6.8	1.61e+03
Fe XV	312.5590	3s 3p $^3P_1$ - $3p^2$ $^1D_2$	6.4	8.68e+02
Fe XIII	312.8720	$3s^2$ $3p^2$ $^3P_1$ - 3s $3p^3$ $^3P_0$	6.3	3.23e+02
Ne III	313.0430	$2s^2$ $2p^4$ $^3P_2$ - $2s^2$ $2p^3$ (^{4}S) 3s $^3S_1$	5.1	5.49e+02
Fe XVII	313.1347	$2s^2$ $2p^5$ 3p $^1P_1$ - $2s^2$ $2p^5$ 3d $^3P_0$	7.2	1.12e+04
Fe IX	313.2390	$3s^2$ $3p^5$ 3d $^3P_1$ - 3s $3p^6$ 3d $^3D_2$	5.9	1.17e+02
Ni XIX *	313.2632	$2p^5$ 3s $^3P_1$ - $2p^5$ 3p $^1P_1$	7.0	3.04e+02
Ne III	313.6740	$2s^2$ $2p^4$ $^3P_1$ - $2s^2$ $2p^3$ (^{4}S) 3s $^3S_1$	5.1	3.25e+02
Mg VIII	313.7440	$2s^2$ 2p $^2P_{1/2}$ - 2s $2p^2$ $^2P_{1/2}$	5.9	1.30e+03
Ne III	313.9480	$2s^2$ $2p^4$ $^3P_0$ - $2s^2$ $2p^3$ (^{4}S) 3s $^3S_1$	5.1	1.08e+02
Ni XX *	314.1262	$2s^2$ $2p^4$ (^{3}P) 3s $^4P_{5/2}$ - $2s^2$ $2p^4$ (^{3}P) 3p $^4D_{7/2}$	7.1	4.97e+02
Si VIII	314.3560	$2s^2$ $2p^3$ $^4S_{3/2}$ - 2s $2p^4$ $^4P_{1/2}$	5.9	9.38e+02
Mg VI	314.5402	$2s^2$ $2p^3$ $^2P_{1/2}$ - 2s $2p^4$ $^2S_{1/2}$	5.7	1.87e+02
Mg VI	314.6480	$2s^2$ $2p^3$ $^2P_{3/2}$ - 2s $2p^4$ $^2S_{1/2}$	5.7	3.21e+02
Mg VIII	315.0160	$2s^2$ 2p $^2P_{3/2}$ - 2s $2p^2$ $^2P_{3/2}$	5.9	3.73e+03
Fe XIX *	315.5352	$2s^2$ $2p^3$ (^{2}D) 3p $^3D_3$ - $2s^2$ $2p^3$ (^{2}D) 3d $^1G_4$	7.0	1.57e+02
Si VIII	316.2180	$2s^2$ $2p^3$ $^4S_{3/2}$ - 2s $2p^4$ $^4P_{3/2}$	5.9	1.87e+03
Ni XIV	316.2548	$3s^2$ $3p^3$ $^4S_{3/2}$ - 3s $3p^4$ $^4P_{5/2}$	6.4	2.42e+02
Mg VIII	317.0280	$2s^2$ 2p $^2P_{3/2}$ - 2s $2p^2$ $^2P_{1/2}$	5.9	9.15e+02
Fe IX	317.1930	$3s^2$ $3p^5$ 3d $^3P_2$ - 3s $3p^6$ 3d $^3D_3$	5.9	3.14e+02
Fe XVII	317.9282	$2s^2$ $2p^5$ 3p $^3P_2$ - $2s^2$ $2p^5$ 3d $^3P_1$	7.2	1.32e+02
Fe XIII	318.1280	$3s^2$ $3p^2$ $^1D_2$ - 3s $3p^3$ $^1D_2$	6.2	5.04e+02
Fe XIX *	318.3175	$2s^2$ $2p^3$ (^{4}S) 3s $^5S_2$ - $2s^2$ $2p^3$ (^{4}S) 3p $^3P_2$	7.0	2.70e+02
Mg VII	319.0340	$2s^2$ $2p^2$ $^1D_2$ - 2s $2p^3$ $^1D_2$	5.8	2.03e+03
Fe XVIII *	319.1988	$2s^2$ $2p^4$ (^{3}P) 3p $^4S_{3/2}$ - $2s^2$ $2p^4$ (^{3}P) 3d $^4F_{5/2}$	6.9	1.26e+02
Fe XIX	319.3394	$2s^2$ $2p^3$ (^{2}D) 3s $^3D_3$ - $2s^2$ $2p^3$ (^{2}D) 3p $^3P_2$	7.0	4.16e+02
Na IV	319.6457	$2s^2$ $2p^4$ $^1D_2$ - 2s $2p^5$ $^1P_1$	5.2	1.29e+02
Si VIII	319.8400	$2s^2$ $2p^3$ $^4S_{3/2}$ - 2s $2p^4$ $^4P_{5/2}$	5.9	2.79e+03
Mg VII	320.5130	$2s^2$ $2p^2$ $^1S_0$ - 2s $2p^3$ $^1P_1$	5.8	2.27e+02
Ni XVIII	320.5660	3s $^2S_{1/2}$ - 3p $^2P_{1/2}$	6.9	2.43e+04
Fe XIII	320.8090	$3s^2$ $3p^2$ $^3P_2$ - 3s $3p^3$ $^3P_2$	6.2	1.19e+03
O III	320.9780	$2s^2$ $2p^2$ $^1D_2$ - $2s^2$ 2p 3d $^1F_3$	5.1	4.41e+03
Mg IV	320.9950	$2s^2$ $2p^5$ $^2P_{3/2}$ - 2s $2p^6$ $^2S_{1/2}$	5.2	2.67e+03
Fe XIII	321.4000	$3s^2$ $3p^2$ $^3P_2$ - 3s $3p^3$ $^3P_1$	6.3	2.15e+02
Fe XV	321.7690	3s 3p $^3P_2$ - $3p^2$ $^3P_1$	6.4	2.95e+02
N IV	322.5020	2s 2p $^3P_0$ - 2s 3s $^3S_1$	5.2	2.94e+02
N IV	322.5680	2s 2p $^3P_1$ - 2s 3s $^3S_1$	5.2	8.83e+02
Ne III	322.6600	$2s^2$ $2p^4$ $^3P_2$ - $2s^2$ $2p^3$ (^{4}S) 3s $^5S_2$	5.1	4.69e+02
N IV	322.7180	2s 2p $^3P_2$ - 2s 3s $^3S_1$	5.2	1.47e+03
Mg IV	323.3070	$2s^2$ $2p^5$ $^2P_{1/2}$ - 2s $2p^6$ $^2S_{1/2}$	5.2	1.29e+03
Ne III	323.3300	$2s^2$ $2p^4$ $^3P_1$ - $2s^2$ $2p^3$ (^{4}S) 3s $^5S_2$	5.1	1.46e+02

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XVII	323.6503	$2s^2\ 2p^5\ 3s\ ^3P_2$ - $2s^2\ 2p^5\ 3p\ ^3P_2$	6.9	3.77e+03
Ni XX *	324.7624	$2s^2\ 2p^4\ (^3P)\ 3s\ ^4P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 3p\ ^4D_{5/2}$	7.1	1.80e+02
Fe XV	324.9750	$3s\ 3p\ ^1P_1$ - $3p^2\ ^1S_0$	6.4	1.97e+02
Ni XIX *	326.1680	$2p^5\ 3s\ ^3P_2$ - $2p^5\ 3p\ ^3D_2$	7.0	3.60e+02
Fe XIX *	326.2325	$2s^2\ 2p^3\ (^4S)\ 3p\ ^5P_2$ - $2s^2\ 2p^3\ (^4S)\ 3d\ ^5D_3$	7.0	1.02e+02
K XVII	326.7770	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{3/2}$	7.1	3.35e+03
Fe XVIII *	326.8845	$2s^2\ 2p^4\ (^3P)\ 3s\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 3p\ ^4D_{3/2}$	6.9	1.59e+03
Fe XV	327.0330	$3s\ 3p\ ^3P_2$ - $3p^2\ ^1D_2$	6.4	1.47e+03
Ni XX *	327.7061	$2s^2\ 2p^4\ (^1D)\ 3s\ ^2D_{5/2}$ - $2s^2\ 2p^4\ (^1D)\ 3p\ ^2F_{7/2}$	7.1	2.25e+02
Fe XVIII *	328.0964	$2s^2\ 2p^4\ (^3P)\ 3p\ ^4D_{7/2}$ - $2s^2\ 2p^4\ (^3P)\ 3d\ ^4D_{7/2}$	6.9	6.49e+02
Al VIII	328.1840	$2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3P_2$	5.9	1.07e+02
Cr XIII	328.2680	$3s^2\ ^1S_0$ - $3s\ 3p\ ^1P_1$	6.2	6.64e+02
O III	328.4480	$2s^2\ 2p^2\ ^1D_2$ - $2s^2\ 2p\ 3d\ ^1D_2$	5.1	2.97e+03
O III	328.7400	$2s^2\ 2p^2\ ^1D_2$ - $2s^2\ 2p\ 3d\ ^3F_2$	5.0	6.26e+02
Fe XVIII *	329.8485	$2s^2\ 2p^4\ (^3P)\ 3p\ ^2D_{5/2}$ - $2s^2\ 2p^4\ (^3P)\ 3d\ ^4D_{7/2}$	6.9	1.95e+02
Fe XIX *	329.8703	$2s^2\ 2p^3\ (^2D)\ 3p\ ^3D_3$ - $2s^2\ 2p^3\ (^2D)\ 3d\ ^3F_4$	7.0	3.77e+02
Fe IX	329.8970	$3s^2\ 3p^5\ 3d\ ^3F_4$ - $3s\ 3p^6\ 3d\ ^3D_3$	5.9	3.64e+02
Ca VII	330.0107	$3s^2\ 3p^2\ ^1D_2$ - $3s^2\ 3p\ 3d\ ^1F_3$	5.7	2.99e+02
Ni XXII	330.5290	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^3\ ^2P_{1/2}$	7.1	3.71e+02
Al X	332.7900	$2s^2\ ^1S_0$ - $2s\ 2p\ ^1P_1$	6.2	1.05e+03
Fe XIV	334.1800	$3s^2\ 3p\ ^2P_{1/2}$ - $3s\ 3p^2\ ^2D_{3/2}$	6.3	4.76e+03
N IV	335.0470	$2s\ 2p\ ^1P_1$ - $2s\ 3d\ ^1D_2$	5.2	6.31e+02
Mg VIII	335.2310	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2S_{1/2}$	5.9	6.37e+02
Fe IX	335.2900	$3s^2\ 3p^5\ 3d\ ^3F_3$ - $3s\ 3p^6\ 3d\ ^3D_2$	5.9	1.70e+02
Fe XII	335.3800	$3s^2\ 3p^3\ ^2D_{3/2}$ - $3s\ 3p^4\ ^2D_{3/2}$	6.2	3.38e+02
Fe XVI	335.4100	$3s\ ^2S_{1/2}$ - $3p\ ^2P_{3/2}$	6.8	3.31e+05
Fe XXI	335.6925	$2s^2\ 2p^2\ ^3P_1$ - $2s^2\ 2p^2\ ^1S_0$	7.1	1.16e+04
Fe XIX *	337.1430	$2s^2\ 2p^3\ (^2D)\ 3p\ ^1F_3$ - $2s^2\ 2p^3\ (^2D)\ 3d\ ^1G_4$	7.0	5.35e+02
Fe X	337.2350	$3s^2\ 3p^4\ (^3P)\ 3d\ ^2F_{7/2}$ - $3s\ 3p^5\ (^3P)\ 3d\ ^2F_{7/2}$	6.1	1.51e+02
Fe XII	338.2630	$3s^2\ 3p^3\ ^2D_{5/2}$ - $3s\ 3p^4\ ^2D_{5/2}$	6.2	5.26e+02
Fe XVII *	338.3661	$2s^2\ 2p^5\ 3s\ ^3P_0$ - $2s^2\ 2p^5\ 3p\ ^3P_1$	7.2	2.53e+05
Fe XVIII *	338.4559	$2s^2\ 2p^4\ (^3P)\ 3s\ ^4P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 3p\ ^2D_{3/2}$	6.9	1.55e+02
Fe XVII	338.6840	$2s^2\ 2p^5\ 3s\ ^3P_2$ - $2s^2\ 2p^5\ 3p\ ^1P_1$	7.2	2.70e+04
Mg VIII	338.9840	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2S_{1/2}$	5.9	8.49e+02
Co XVII	339.4950	$3s\ ^2S_{1/2}$ - $3p\ ^2P_{1/2}$	6.8	7.62e+02
Fe XVIII *	339.6965	$2s^2\ 2p^4\ (^1D)\ 3s\ ^2D_{5/2}$ - $2s^2\ 2p^4\ (^1D)\ 3p\ ^2D_{5/2}$	6.9	1.26e+03
Fe XIX *	339.7362	$2s\ 2p^4\ (^4P)\ 3p\ ^3D_3$ - $2s\ 2p^4\ (^4P)\ 3d\ ^5F_4$	7.0	2.86e+02
Fe IX	339.8370	$3s^2\ 3p^5\ 3d\ ^3D_3$ - $3s\ 3p^6\ 3d\ ^1D_2$	5.9	1.62e+02
Ca VII	339.9666	$3s^2\ 3p^2\ ^3P_1$ - $3s^2\ 3p\ 3d\ ^3D_2$	5.7	2.00e+02
Fe XIX *	340.0376	$2s^2\ 2p^3\ (^2D)\ 3p\ ^3F_3$ - $2s^2\ 2p^3\ (^2D)\ 3d\ ^3G_4$	7.0	7.19e+02
Fe XI	341.1140	$3s^2\ 3p^4\ ^3P_2$ - $3s\ 3p^5\ ^3P_1$	6.2	2.73e+02
Fe IX	341.1590	$3s^2\ 3p^5\ 3d\ ^1D_2$ - $3s\ 3p^6\ 3d\ ^1D_2$	5.9	2.26e+02
Fe XVII	341.4700	$2s^2\ 2p^5\ 3s\ ^1P_1$ - $2s^2\ 2p^5\ 3p\ ^3P_2$	6.9	2.60e+03
Fe XVIII *	341.9032	$2s^2\ 2p^4\ (^3P)\ 3s\ ^4P_{1/2}$ - $2s^2\ 2p^4\ (^3P)\ 3p\ ^4S_{3/2}$	6.9	2.23e+02
Si IX	341.9510	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^3\ ^3D_1$	6.1	4.67e+02
Ni XIX *	342.3456	$2p^5\ 3s\ ^1P_1$ - $2p^5\ 3p\ ^3D_1$	7.0	1.10e+02
Ca VII	342.3953	$3s^2\ 3p^2\ ^3P_2$ - $3s^2\ 3p\ 3d\ ^3D_3$	5.7	4.35e+02
Ca VII	342.8179	$3s^2\ 3p^2\ ^3P_2$ - $3s^2\ 3p\ 3d\ ^3D_2$	5.7	1.16e+02
Fe XVIII *	344.1044	$2s^2\ 2p^4\ (^1D)\ 3s\ ^2D_{3/2}$ - $2s^2\ 2p^4\ (^1D)\ 3p\ ^2D_{5/2}$	6.9	4.63e+02

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Ni XIX *	344.3746	$2p^5\ 3s\ ^3P_1$ - $2p^5\ 3p\ ^3D_2$	7.0	3.18e+02
Fe XIX *	344.6261	$2s^2\ 2p^3\ (^2D)\ 3p\ ^3F_4$ - $2s^2\ 2p^3\ (^2D)\ 3d\ ^3G_5$	7.0	1.50e+03
Ca XVIII	344.7605	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{1/2}$	7.1	3.25e+04
Si IX	344.9540	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3D_1$	6.1	2.66e+02
Si IX	345.1210	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3D_2$	6.1	1.07e+03
O III	345.3120	$2s^2\ 2p^2\ ^1S_0$ - $2s^2\ 2p\ 3d\ ^1P_1$	5.1	1.33e+03
Fe XIX *	345.5118	$2s^2\ 2p^3\ (^4S)\ 3p\ ^5P_3$ - $2s^2\ 2p^3\ (^4S)\ 3d\ ^5D_4$	7.0	2.44e+03
Fe X	345.7380	$3s^2\ 3p^5\ ^2P_{3/2}$ - $3s\ 3p^6\ ^2S_{1/2}$	6.1	7.03e+02
O IV	346.3740	$2s\ 2p^2\ ^2S_{1/2}$ - $2s\ 2p\ (^3P)\ 3s\ ^2P_{3/2}$	5.2	3.79e+02
O IV	346.6920	$2s\ 2p^2\ ^2S_{1/2}$ - $2s\ 2p\ (^3P)\ 3s\ ^2P_{1/2}$	5.2	1.90e+02
Fe XIX *	346.7728	$2s^2\ 2p^3\ (^2P)\ 3p\ ^3D_3$ - $2s^2\ 2p^3\ (^2P)\ 3d\ ^3F_4$	7.0	1.87e+02
Fe XII	346.8520	$3s^2\ 3p^3\ ^4S_{3/2}$ - $3s\ 3p^4\ ^4P_{1/2}$	6.2	5.38e+02
Fe XIX	347.0554	$2s\ 2p^4\ (^4P)\ 3p\ ^5D_3$ - $2s\ 2p^4\ (^4P)\ 3d\ ^3F_4$	7.0	4.07e+02
Fe XVII *	347.1746	$2s\ 2p^6\ 3s\ ^3S_1$ - $2s\ 2p^6\ 3p\ ^3P_2$	7.2	2.67e+03
Si X	347.4090	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2D_{3/2}$	6.2	1.36e+03
Fe XVII	347.8146	$2s^2\ 2p^5\ 3s\ ^3P_1$ - $2s^2\ 2p^5\ 3p\ ^1D_2$	6.9	5.74e+03
Fe IX	348.1230	$3s^2\ 3p^5\ 3d\ ^3D_2$ - $3s\ 3p^6\ 3d\ ^1D_2$	5.9	1.22e+02
Fe XIII	348.1830	$3s^2\ 3p^2\ ^3P_0$ - $3s\ 3p^3\ ^3D_1$	6.3	6.01e+02
Ni XX *	348.7049	$2s^2\ 2p^4\ (^3P)\ 3s\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 3p\ ^2D_{5/2}$	7.1	2.38e+02
Fe XI	349.0470	$3s^2\ 3p^4\ ^3P_1$ - $3s\ 3p^5\ ^3P_0$	6.2	1.38e+02
Mg VI	349.1249	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s\ 2p^4\ ^2D_{3/2}$	5.7	9.28e+02
Mg VI	349.1639	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s\ 2p^4\ ^2D_{5/2}$	5.7	1.39e+03
Fe XXII	349.3022	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^4P_{1/2}$	7.1	1.76e+03
Si IX	349.7920	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3D_2$	6.1	2.06e+02
Si IX	349.8600	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3D_3$	6.1	1.66e+03
Fe XVII	350.4782	$2s^2\ 2p^5\ 3s\ ^3P_2$ - $2s^2\ 2p^5\ 3p\ ^3D_3$	6.9	7.45e+03
Fe XVII *	350.6389	$2s^2\ 2p^5\ 3s\ ^3P_1$ - $2s^2\ 2p^5\ 3p\ ^3P_1$	7.2	1.41e+05
Mg V	351.0850	$2s^2\ 2p^4\ ^3P_2$ - $2s\ 2p^5\ ^3P_1$	5.4	9.60e+02
Ca VII	351.4703	$3s^2\ 3p^2\ ^1S_0$ - $3s^2\ 3p\ 3d\ ^1P_1$	5.7	1.06e+02
Fe IX	352.0600	$3s^2\ 3p^5\ 3d\ ^1F_3$ - $3s\ 3p^6\ 3d\ ^1D_2$	5.9	3.04e+02
Fe XII	352.1060	$3s^2\ 3p^3\ ^4S_{3/2}$ - $3s\ 3p^4\ ^4P_{3/2}$	6.2	1.07e+03
Mg V	352.1970	$2s^2\ 2p^4\ ^3P_1$ - $2s\ 2p^5\ ^3P_0$	5.4	7.57e+02
Fe XI	352.6620	$3s^2\ 3p^4\ ^3P_2$ - $3s\ 3p^5\ ^3P_2$	6.2	9.17e+02
Mg V	353.0920	$2s^2\ 2p^4\ ^3P_2$ - $2s\ 2p^5\ ^3P_2$	5.4	2.85e+03
Mg V	353.2970	$2s^2\ 2p^4\ ^3P_1$ - $2s\ 2p^5\ ^3P_1$	5.4	5.61e+02
Na VII	353.2980	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2P_{3/2}$	5.8	1.96e+02
Al VII	353.7780	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{3/2}$	5.8	1.03e+02
Ni XIX *	353.8301	$2p^5\ 3s\ ^3P_2$ - $2p^5\ 3p\ ^3S_1$	7.0	3.69e+02
Fe XIV	353.8370	$3s^2\ 3p\ ^2P_{3/2}$ - $3s\ 3p^2\ ^2D_{5/2}$	6.3	2.55e+03
Ar XVI	353.9203	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{3/2}$	7.1	3.20e+04
Ca VIII	354.1670	$3s^2\ 3p\ ^2P_{1/2}$ - $3s^2\ 3d\ ^2D_{3/2}$	5.8	2.25e+02
Mg V	354.2210	$2s^2\ 2p^4\ ^3P_0$ - $2s\ 2p^5\ ^3P_1$	5.4	7.39e+02
Ca VII	354.4188	$3s^2\ 3p^2\ ^3P_2$ - $3s^2\ 3p\ 3d\ ^3P_2$	5.7	1.16e+02
Mg V	355.3290	$2s^2\ 2p^4\ ^3P_1$ - $2s\ 2p^5\ ^3P_2$	5.4	9.27e+02
Si X	356.0300	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2D_{5/2}$	6.2	1.85e+03
Si X	356.0550	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2D_{3/2}$	6.2	1.95e+02
Fe XI	356.5200	$3s^2\ 3p^4\ ^3P_1$ - $3s\ 3p^5\ ^3P_1$	6.2	1.37e+02
Fe XIV	356.6480	$3s^2\ 3p\ ^2P_{3/2}$ - $3s\ 3p^2\ ^2D_{3/2}$	6.3	1.37e+02
Al VII	356.8920	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{5/2}$	5.8	1.54e+02

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XIX *	356.9237	$2s^2\ 2p^3\ (^2D)\ 3p\ ^3D_3$ - $2s^2\ 2p^3\ (^2D)\ 3d\ ^3G_4$	7.0	1.16e+02
Ca XVII	357.7888	$2s\ 2p\ ^1P_1$ - $2p^2\ ^1D_2$	6.9	1.16e+02
Ne IV	357.8260	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s\ 2p^4\ ^2P_{1/2}$	5.2	2.53e+03
Ne V	357.9460	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^3\ ^3S_1$	5.4	9.14e+02
Ni XX *	358.0617	$2s^2\ 2p^4\ (^3P)\ 3s\ ^4P_{5/2}$ - $2s^2\ 2p^4\ (^3P)\ 3p\ ^4P_{5/2}$	7.1	3.29e+02
Fe XVII	358.2477	$2s^2\ 2p^5\ 3s\ ^1P_1$ - $2s^2\ 2p^5\ 3p\ ^1P_1$	7.2	3.78e+05
Ne V	358.4760	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3S_1$	5.4	2.74e+03
Fe XI	358.6220	$3s^2\ 3p^4\ ^3P_0$ - $3s\ 3p^5\ ^3P_1$	6.2	1.73e+02
Si XI	358.6653	$2s\ 2p\ ^3P_1$ - $2p^2\ ^3P_2$	6.2	1.74e+02
Ne IV	358.6880	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s\ 2p^4\ ^2P_{3/2}$	5.2	4.69e+03
Fe XIV	358.7290	$3s\ 3p^2\ ^2D_{5/2}$ - $3p^3\ ^2D_{5/2}$	6.3	2.04e+02
Ne IV	358.7460	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s\ 2p^4\ ^2P_{3/2}$	5.2	5.75e+02
Ni XXI	359.0542	$2s^2\ 2p^4\ ^3P_1$ - $2s^2\ 2p^4\ ^1S_0$	7.1	1.52e+02
Fe XVIII *	359.0890	$2s^2\ 2p^4\ (^1D)\ 3s\ ^2D_{3/2}$ - $2s^2\ 2p^4\ (^1D)\ 3p\ ^2D_{3/2}$	6.9	4.74e+02
Ca VIII	359.3670	$3s^2\ 3p\ ^2P_{3/2}$ - $3s^2\ 3d\ ^2D_{5/2}$	5.8	3.94e+02
Ne V	359.3750	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3S_1$	5.4	4.59e+03
Fe XIII	359.6420	$3s^2\ 3p^2\ ^3P_1$ - $3s\ 3p^3\ ^3D_2$	6.2	9.58e+02
Fe XIX *	359.6625	$2s^2\ 2p^3\ (^2D)\ 3p\ ^3F_4$ - $2s^2\ 2p^3\ (^2D)\ 3d\ ^3F_4$	7.0	1.40e+02
Fe XIII	359.8420	$3s^2\ 3p^2\ ^3P_1$ - $3s\ 3p^3\ ^3D_1$	6.3	1.48e+02
Fe XVIII *	360.3623	$2s^2\ 2p^4\ (^1S)\ 3s\ ^2S_{1/2}$ - $2s^2\ 2p^4\ (^1S)\ 3p\ ^2P_{3/2}$	6.9	1.29e+02
Fe XVI	360.7590	$3s\ ^2S_{1/2}$ - $3p\ ^2P_{1/2}$	6.8	1.58e+05
Fe XIV	360.8280	$3s\ 3p^2\ ^2D_{3/2}$ - $3p^3\ ^2D_{3/2}$	6.3	1.25e+02
Mn XV	361.0120	$3s\ ^2S_{1/2}$ - $3p\ ^2P_{3/2}$	6.8	1.67e+03
Na VI	361.2530	$2s^2\ 2p^2\ ^1D_2$ - $2s\ 2p^3\ ^1D_2$	5.7	1.45e+02
Si XI	361.4199	$2s\ 2p\ ^3P_0$ - $2p^2\ ^3P_1$	6.2	1.45e+02
Fe XIX *	362.3965	$2s\ 2p^4\ (^4P)\ 3p\ ^5D_4$ - $2s\ 2p^4\ (^4P)\ 3d\ ^5F_5$	7.0	1.36e+02
Mg VII	363.7730	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^3\ ^3P_1$	5.8	3.68e+02
Fe XII	364.4670	$3s^2\ 3p^3\ ^4S_{3/2}$ - $3s\ 3p^4\ ^4P_{5/2}$	6.2	1.75e+03
Si XI	364.5039	$2s\ 2p\ ^3P_1$ - $2p^2\ ^3P_1$	6.2	1.05e+02
Mg VII	365.1810	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3P_0$	5.8	3.84e+02
Mg VII	365.2380	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3P_2$	5.8	4.28e+02
Mg VII	365.2470	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3P_1$	5.8	3.15e+02
Si XI	365.4390	$2s\ 2p\ ^3P_2$ - $2p^2\ ^3P_2$	6.2	4.81e+02
Fe XVIII *	365.4443	$2s^2\ 2p^4\ (^3P)\ 3s\ ^4P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 3p\ ^4S_{3/2}$	6.9	1.57e+02
Fe X	365.5600	$3s^2\ 3p^5\ ^2P_{1/2}$ - $3s\ 3p^6\ ^2S_{1/2}$	6.1	2.94e+02
Ne V	365.6030	$2s^2\ 2p^2\ ^1D_2$ - $2s\ 2p^3\ ^1P_1$	5.4	4.33e+03
K XVII	365.6310	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{1/2}$	7.1	1.53e+03
Fe IX	365.8680	$3s^2\ 3p^5\ 3d\ ^3D_3$ - $3s\ 3p^6\ 3d\ ^3D_3$	5.9	1.27e+02
Fe XVIII *	366.2246	$2s^2\ 2p^4\ (^3P)\ 3s\ ^4P_{1/2}$ - $2s^2\ 2p^4\ (^3P)\ 3p\ ^2P_{3/2}$	6.9	6.88e+02
Fe XVII	366.6960	$2s^2\ 2p^5\ 3s\ ^3P_2$ - $2s^2\ 2p^5\ 3p\ ^3D_2$	6.9	3.08e+03
Ni XVII	366.7980	$3s^2\ ^1S_0$ - $3s\ 3p\ ^3P_1$	6.7	4.88e+02
Ca VII *	367.0781	$3s^2\ 3p^2\ ^1D_2$ - $3s^2\ 3p\ 3d\ ^1D_2$	5.7	2.36e+02
O IV	367.1780	$2s\ 2p^2\ ^2P_{3/2}$ - $2s\ 2p\ (^3P)\ 3s\ ^2P_{3/2}$	5.2	2.44e+02
Fe XVIII	367.2427	$2s^2\ 2p^4\ (^3P)\ 3s\ ^4P_{5/2}$ - $2s^2\ 2p^4\ (^3P)\ 3p\ ^4D_{7/2}$	6.9	5.56e+03
Mg VII	367.6780	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3P_2$	5.8	1.46e+03
Mg VII	367.6880	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3P_1$	5.8	4.48e+02
Mg IX	368.0577	$2s^2\ ^1S_0$ - $2s\ 2p\ ^1P_1$	6.0	1.09e+04
Fe XIII	368.1710	$3s^2\ 3p^2\ ^3P_2$ - $3s\ 3p^3\ ^3D_3$	6.2	9.60e+02
Fe VI	369.0070	$3d^3\ ^2G_{9/2}$ - $3d^2\ (^1G)\ 4s\ ^2G_{9/2}$	5.2	1.17e+02

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XI	369.1540	$3s^2\ 3p^4\ ^3P_1$ - $3s\ 3p^5\ ^3P_2$	6.2	2.76e+02
Fe XVII *	369.6963	$2s^2\ 2p^5\ 3s\ ^3P_0$ - $2s^2\ 2p^5\ 3p\ ^3D_1$	7.2	1.60e+05
Fe XVIII *	370.4520	$2s^2\ 2p^4\ (^3P)\ 3s\ ^4P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 3p\ ^4D_{5/2}$	6.9	2.28e+03
Fe XX *	370.8504	$2s^2\ 2p^2\ (^3P)\ 3p\ ^4P_{5/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^4D_{7/2}$	7.1	4.23e+02
Fe XVIII *	370.9178	$2s^2\ 2p^4\ (^3P)\ 3s\ ^2P_{1/2}$ - $2s^2\ 2p^4\ (^3P)\ 3p\ ^2D_{3/2}$	6.9	4.59e+02
Fe XVII *	370.9655	$2s\ 2p^6\ 3s\ ^3S_1$ - $2s\ 2p^6\ 3p\ ^3P_1$	7.2	2.53e+02
Ca XVII	371.0472	$2s^2\ ^1S_0$ - $2s\ 2p\ ^3P_1$	6.8	1.20e+03
Fe XIX *	371.2028	$2s^2\ 2p^3\ (^4S)\ 3s\ ^3S_1$ - $2s^2\ 2p^3\ (^4S)\ 3p\ ^3P_0$	7.0	1.37e+02
Si XI	371.5021	$2s\ 2p\ ^3P_2$ - $2p^2\ ^3P_1$	6.2	1.62e+02
O III	373.8030	$2s^2\ 2p^2\ ^3P_1$ - $2s^2\ 2p\ 3s\ ^3P_2$	5.0	3.01e+03
O III	374.0040	$2s^2\ 2p^2\ ^3P_0$ - $2s^2\ 2p\ 3s\ ^3P_1$	5.0	2.32e+03
O III	374.0730	$2s^2\ 2p^2\ ^3P_2$ - $2s^2\ 2p\ 3s\ ^3P_2$	5.0	9.04e+03
O III	374.1620	$2s^2\ 2p^2\ ^3P_1$ - $2s^2\ 2p\ 3s\ ^3P_1$	5.0	1.74e+03
N III	374.1980	$2s^2\ 2p\ ^2P_{1/2}$ - $2s^2\ 3d\ ^2D_{3/2}$	4.9	3.27e+03
Fe XVIII *	374.2998	$2s^2\ 2p^4\ (^1D)\ 3s\ ^2D_{5/2}$ - $2s^2\ 2p^4\ (^1D)\ 3p\ ^2F_{7/2}$	6.9	2.78e+03
O III	374.3280	$2s^2\ 2p^2\ ^3P_1$ - $2s^2\ 2p\ 3s\ ^3P_0$	5.0	2.45e+03
O III	374.4320	$2s^2\ 2p^2\ ^3P_2$ - $2s^2\ 2p\ 3s\ ^3P_1$	5.0	2.90e+03
N III	374.4340	$2s^2\ 2p\ ^2P_{3/2}$ - $2s^2\ 3d\ ^2D_{5/2}$	5.0	3.01e+03
N III	374.4420	$2s^2\ 2p\ ^2P_{3/2}$ - $2s^2\ 3d\ ^2D_{3/2}$	4.9	6.53e+02
Fe XIX *	375.6544	$2s\ 2p^4\ (^4P)\ 3s\ ^5P_3$ - $2s\ 2p^4\ (^4P)\ 3p\ ^5D_4$	7.0	1.19e+02
Fe XVII *	376.1107	$2s\ 2p^6\ 3s\ ^3S_1$ - $2s\ 2p^6\ 3p\ ^3P_0$	7.2	6.70e+02
Na III	378.1370	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s\ 2p^6\ ^2S_{1/2}$	5.1	1.07e+02
Fe XVIII *	378.1597	$2s^2\ 2p^4\ (^3P)\ 3s\ ^2P_{1/2}$ - $2s^2\ 2p^4\ (^3P)\ 3p\ ^2S_{1/2}$	6.9	2.05e+02
Ne III	379.3080	$2s^2\ 2p^4\ ^1D_2$ - $2s\ 2p^5\ ^1P_1$	5.1	3.95e+03
Fe VI	379.3550	$3d^3\ ^2H_{9/2}$ - $3d^2\ (^1G)\ 4s\ ^2G_{7/2}$	5.2	1.86e+02
Fe XIX *	379.7109	$2s^2\ 2p^3\ (^2D)\ 3s\ ^3D_3$ - $2s^2\ 2p^3\ (^2D)\ 3p\ ^3F_4$	7.0	2.00e+03
O IV	379.7780	$2s\ 2p^2\ ^2D_{5/2}$ - $2s^2\ 3p\ ^2P_{3/2}$	5.2	2.87e+03
O IV	379.7980	$2s\ 2p^2\ ^2D_{3/2}$ - $2s^2\ 3p\ ^2P_{3/2}$	5.2	3.18e+02
O IV	379.9230	$2s\ 2p^2\ ^2D_{3/2}$ - $2s^2\ 3p\ ^2P_{1/2}$	5.2	1.61e+03
Fe VI	380.0700	$3d^3\ ^2H_{11/2}$ - $3d^2\ (^1G)\ 4s\ ^2G_{9/2}$	5.2	2.19e+02
Fe VI	380.3300	$3d^3\ ^4F_{7/2}$ - $3d^2\ (^3F)\ 4s\ ^4F_{9/2}$	5.2	1.15e+02
Fe VI	380.7720	$3d^3\ ^4F_{5/2}$ - $3d^2\ (^3F)\ 4s\ ^4F_{7/2}$	5.2	1.27e+02
Fe VI	381.5090	$3d^3\ ^4F_{9/2}$ - $3d^2\ (^3F)\ 4s\ ^4F_{9/2}$	5.2	3.95e+02
Fe VI	381.7560	$3d^3\ ^4F_{7/2}$ - $3d^2\ (^3F)\ 4s\ ^4F_{7/2}$	5.2	1.65e+02
Fe VI	381.9110	$3d^3\ ^4F_{3/2}$ - $3d^2\ (^3F)\ 4s\ ^4F_{3/2}$	5.2	1.00e+02
Fe XIX *	382.8208	$2s^2\ 2p^3\ (^4S)\ 3s\ ^5S_2$ - $2s^2\ 2p^3\ (^4S)\ 3p\ ^5P_3$	7.0	2.88e+03
Fe VI	382.8780	$3d^3\ ^4F_{7/2}$ - $3d^2\ (^3F)\ 4s\ ^4F_{5/2}$	5.2	1.24e+02
Fe VI	382.9440	$3d^3\ ^4F_{9/2}$ - $3d^2\ (^3F)\ 4s\ ^4F_{7/2}$	5.2	1.12e+02
C IV	384.0310	$1s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 3d\ ^2D_{3/2}$	5.1	1.01e+03
C IV	384.1750	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 3d\ ^2D_{5/2}$	5.1	1.81e+03
C IV	384.1900	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 3d\ ^2D_{3/2}$	5.1	2.03e+02
Fe XX	384.2097	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^3\ ^2P_{1/2}$	7.1	1.10e+04
Fe XVII *	384.3964	$2s^2\ 2p^5\ 3s\ ^3P_1$ - $2s^2\ 2p^5\ 3p\ ^3D_1$	7.2	2.03e+05
Fe XIX *	384.6788	$2s^2\ 2p^3\ (^4S)\ 3s\ ^3S_1$ - $2s^2\ 2p^3\ (^4S)\ 3p\ ^3P_2$	7.0	8.37e+02
Mn XV	384.7640	$3s\ ^2S_{1/2}$ - $3p\ ^2P_{1/2}$	6.8	8.04e+02
C III	386.2030	$2s^2\ ^1S_0$ - $2s\ 3p\ ^1P_1$	4.9	6.04e+03
Ne IV	387.1320	$2s^2\ 2p^3\ ^2P_{1/2}$ - $2s\ 2p^4\ ^2P_{1/2}$	5.2	3.50e+02
Ne IV	387.1410	$2s^2\ 2p^3\ ^2P_{3/2}$ - $2s\ 2p^4\ ^2P_{1/2}$	5.2	2.59e+02
N IV	387.3560	$2s\ 2p\ ^1P_1$ - $2s\ 3s\ ^1S_0$	5.2	8.30e+02

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Mg VI	387.7690	$2s^2\ 2p^3\ ^2P_{1/2}$ - $2s\ 2p^4\ ^2D_{3/2}$	5.7	1.04e+02
Al VIII	387.9520	$2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3D_3$	5.9	1.16e+02
Mg VI	388.0007	$2s^2\ 2p^3\ ^2P_{3/2}$ - $2s\ 2p^4\ ^2D_{5/2}$	5.7	2.06e+02
Fe XVIII *	388.1739	$2s^2\ 2p^4\ (^3P)\ 3s\ ^4P_{1/2}$ - $2s^2\ 2p^4\ (^3P)\ 3p\ ^4D_{3/2}$	6.9	2.22e+02
Ne IV	388.2100	$2s^2\ 2p^3\ ^2P_{1/2}$ - $2s\ 2p^4\ ^2P_{3/2}$	5.2	1.86e+02
Ne IV	388.2190	$2s^2\ 2p^3\ ^2P_{3/2}$ - $2s\ 2p^4\ ^2P_{3/2}$	5.2	8.60e+02
Fe XIX *	388.4079	$2s^2\ 2p^3\ (^2D)\ 3s\ ^3D_2$ - $2s^2\ 2p^3\ (^2D)\ 3p\ ^3F_3$	7.0	7.71e+02
Ar XVI	389.1360	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{1/2}$	7.1	1.49e+04
Fe XVII	389.7397	$2s^2\ 2p^5\ 3s\ ^1P_1$ - $2s^2\ 2p^5\ 3p\ ^3D_2$	6.9	2.78e+03
Cr XIV	389.8640	$3s\ ^2S_{1/2}$ - $3p\ ^2P_{3/2}$	6.7	1.46e+03
S VI	390.8530	$3p\ ^2P_{3/2}$ - $4s\ ^2S_{1/2}$	5.3	1.05e+02
Al IX	392.4330	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2D_{5/2}$	6.1	1.51e+02
Fe XVIII *	393.1350	$2s^2\ 2p^4\ (^3P)\ 3s\ ^4P_{1/2}$ - $2s^2\ 2p^4\ (^3P)\ 3p\ ^4D_{1/2}$	6.9	2.10e+02
Fe XVIII *	393.3670	$2s^2\ 2p^4\ (^3P)\ 3s\ ^4P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 3p\ ^2P_{3/2}$	6.9	3.12e+02
Fe XV	393.9800	$3s^2\ ^1S_0$ - $3s\ 3p\ ^3P_2$	6.4	2.11e+02
O III	395.5570	$2s^2\ 2p^2\ ^1D_2$ - $2s^2\ 2p\ 3s\ ^1P_1$	5.0	3.23e+03
Fe XIX *	397.3354	$2s^2\ 2p^3\ (^2D)\ 3s\ ^3D_1$ - $2s^2\ 2p^3\ (^2D)\ 3p\ ^3D_2$	7.0	1.34e+02
Fe XX *	398.3135	$2s^2\ 2p^2\ (^3P)\ 3p\ ^4D_{7/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^4F_{9/2}$	7.1	1.06e+03
Mg VI	399.2820	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{1/2}$	5.7	6.17e+02
Ne VI	399.8260	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2P_{3/2}$	5.6	2.58e+03
Mg VI	400.6626	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{3/2}$	5.7	1.23e+03
Na V	400.7200	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s\ 2p^4\ ^2D_{5/2}$	5.4	1.10e+02
Fe VI	401.0310	$3d^3\ ^2G_{9/2}$ - $3d^2\ (^3F)\ 4s\ ^2F_{7/2}$	5.2	1.75e+02
Ne VI	401.1540	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2P_{1/2}$	5.6	4.80e+03
Ne VI	401.9280	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2P_{3/2}$	5.6	1.29e+04
Fe VI	402.3770	$3d^3\ ^2G_{7/2}$ - $3d^2\ (^3F)\ 4s\ ^2F_{5/2}$	5.2	1.40e+02
Ne VI	403.2700	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2P_{1/2}$	5.6	2.81e+03
Mg VI	403.3079	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{5/2}$	5.7	1.82e+03
Fe XX *	403.6041	$2s^2\ 2p^2\ (^3P)\ 3p\ ^4D_{7/2}$ - $2s^2\ 2p^2\ (^3P)\ 3d\ ^4D_{7/2}$	7.1	1.26e+02
O IV	403.9840	$2p^3\ ^4S_{3/2}$ - $2s\ 2p\ (^3P)\ 3p\ ^4P_{5/2}$	5.2	5.48e+02
O IV	404.1950	$2p^3\ ^4S_{3/2}$ - $2s\ 2p\ (^3P)\ 3p\ ^4P_{3/2}$	5.2	5.03e+02
O IV	404.3490	$2p^3\ ^4S_{3/2}$ - $2s\ 2p\ (^3P)\ 3p\ ^4P_{1/2}$	5.2	1.46e+02
Fe XX	404.6575	$2s^2\ 2p^2\ (^3P)\ 3s\ ^4P_{5/2}$ - $2s^2\ 2p^2\ (^3P)\ 3p\ ^4D_{7/2}$	7.1	5.45e+02
Fe XVIII	405.1051	$2s^2\ 2p^4\ (^3P)\ 3s\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 3p\ ^2D_{5/2}$	6.9	2.91e+03
Fe XVIII *	405.1576	$2s^2\ 2p^4\ (^1D)\ 3s\ ^2D_{5/2}$ - $2s^2\ 2p^4\ (^1D)\ 3p\ ^2F_{5/2}$	6.9	3.75e+02
Fe XVIII *	406.0179	$2s^2\ 2p^4\ (^3P)\ 3s\ ^2P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 3p\ ^4P_{1/2}$	6.9	3.73e+02
Ca XVI	407.2017	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^4P_{3/2}$	6.8	1.06e+02
Fe XVII *	409.0101	$2s^2\ 2p^5\ 3s\ ^3P_1$ - $2s^2\ 2p^5\ 3p\ ^3P_0$	7.2	4.38e+04
Fe XVII	409.7058	$2s^2\ 2p^5\ 3s\ ^3P_2$ - $2s^2\ 2p^5\ 3p\ ^3S_1$	7.2	5.03e+05
Fe XVIII *	410.2437	$2s^2\ 2p^4\ (^3P)\ 3s\ ^4P_{5/2}$ - $2s^2\ 2p^4\ (^3P)\ 3p\ ^4P_{3/2}$	6.9	1.08e+03
Na IV	410.3716	$2s^2\ 2p^4\ ^3P_2$ - $2s\ 2p^5\ ^3P_2$	5.2	2.28e+02
Na VIII	411.1660	$2s^2\ ^1S_0$ - $2s\ 2p\ ^1P_1$	5.9	4.04e+02
Fe XVIII *	411.4438	$2s^2\ 2p^4\ (^1D)\ 3s\ ^2D_{3/2}$ - $2s^2\ 2p^4\ (^1D)\ 3p\ ^2F_{5/2}$	6.9	9.48e+02
Cr XIV	412.0520	$3s\ ^2S_{1/2}$ - $3p\ ^2P_{1/2}$	6.7	7.05e+02
Ni XXII	412.1120	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s^2\ 2p^3\ ^2P_{3/2}$	7.1	1.36e+02
Fe XXI	412.5035	$2s^2\ 2p^2\ ^1D_2$ - $2s\ 2p^3\ ^5S_2$	7.1	1.44e+02
Fe VI	414.1310	$3d^3\ ^2H_{11/2}$ - $3d^2\ (^3F)\ 4s\ ^2F_{7/2}$	5.2	2.04e+02
Ca VII	414.6476	$3s^2\ 3p^2\ ^3P_2$ - $3s\ 3p^3\ ^3S_1$	5.7	1.43e+02
Fe XIX *	415.3007	$2s^2\ 2p^3\ (^4S)\ 3s\ ^5S_2$ - $2s^2\ 2p^3\ (^4S)\ 3p\ ^5P_2$	7.0	6.43e+02

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XVIII	415.6284	$2s^2\ 2p^4\ (^3P)\ 3s\ ^4P_{5/2}$ - $2s^2\ 2p^4\ (^3P)\ 3p\ ^4P_{5/2}$	6.9	3.95e+03
Fe VI	415.9470	$3d^3\ ^2H_{9/2}$ - $3d^2\ (^3F)\ 4s\ ^2F_{5/2}$	5.2	1.46e+02
Ne V	416.2100	$2s^2\ 2p^2\ ^1D_2$ - $2s\ 2p^3\ ^1D_2$	5.4	8.08e+03
Ne V	416.8460	$2s^2\ 2p^2\ ^1S_0$ - $2s\ 2p^3\ ^1P_1$	5.4	7.93e+02
Fe XV	417.2580	$3s^2\ ^1S_0$ - $3s\ 3p\ ^3P_1$	6.4	5.72e+03
S XIV	417.6611	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{3/2}$	7.1	1.42e+05
C IV	419.5250	$1s^2\ 2p\ ^2P_{1/2}$ - $1s^2\ 3s\ ^2S_{1/2}$	5.1	9.02e+02
C IV	419.7150	$1s^2\ 2p\ ^2P_{3/2}$ - $1s^2\ 3s\ ^2S_{1/2}$	5.1	1.80e+03
Fe XIX *	419.9602	$2s^2\ 2p^3\ (^4S)\ 3s\ ^3S_1$ - $2s^2\ 2p^3\ (^4S)\ 3p\ ^3P_1$	7.0	1.88e+02
Fe XX *	421.5557	$2s\ 2p^3\ (^5S)\ 3p\ ^6P_{7/2}$ - $2s\ 2p^3\ (^5S)\ 3d\ ^6D_{9/2}$	7.1	3.84e+02
Ne IV	421.6000	$2s^2\ 2p^3\ ^2P_{1/2}$ - $2s\ 2p^4\ ^2S_{1/2}$	5.2	7.53e+02
Ne IV	421.6110	$2s^2\ 2p^3\ ^2P_{3/2}$ - $2s\ 2p^4\ ^2S_{1/2}$	5.2	1.43e+03
Fe XIX *	422.0929	$2s^2\ 2p^3\ (^4S)\ 3s\ ^5S_2$ - $2s^2\ 2p^3\ (^4S)\ 3p\ ^5P_1$	7.0	2.37e+02
Fe XX	423.1093	$2s^2\ 2p^2\ (^3P)\ 3s\ ^4P_{3/2}$ - $2s^2\ 2p^2\ (^3P)\ 3p\ ^4D_{5/2}$	7.1	1.15e+02
Ar XV	423.9757	$2s^2\ ^1S_0$ - $2s\ 2p\ ^3P_1$	6.7	3.19e+02
Fe XIX	424.2707	$2s^2\ 2p^4\ ^3P_1$ - $2s^2\ 2p^4\ ^1S_0$	7.0	3.69e+03
Fe XVIII *	424.5842	$2s^2\ 2p^4\ (^3P)\ 3s\ ^4P_{3/2}$ - $2s^2\ 2p^4\ (^3P)\ 3p\ ^4D_{1/2}$	6.9	1.46e+02
Fe XIX *	425.2109	$2s^2\ 2p^3\ (^2D)\ 3s\ ^3D_2$ - $2s^2\ 2p^3\ (^2D)\ 3p\ ^3F_2$	7.0	2.17e+02
Fe XXV	428.2288	$1s\ 2s\ ^3S_1$ - $1s\ 2p\ ^3P_0$	7.7	1.09e+02
Mg VII	429.1400	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^3\ ^3D_1$	5.8	4.04e+02
Fe XIX *	429.9110	$2s^2\ 2p^3\ (^2D)\ 3s\ ^3D_1$ - $2s^2\ 2p^3\ (^2D)\ 3p\ ^3F_2$	7.0	1.29e+02
Mg VIII	430.4550	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2D_{3/2}$	5.9	1.27e+03
Mg VII	431.1940	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3D_1$	5.8	2.59e+02
Mg VII	431.3190	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3D_2$	5.8	9.07e+02
Ca VIII	432.8700	$3s^2\ 3p\ ^2P_{1/2}$ - $3s\ 3p^2\ ^2P_{1/2}$	5.8	1.24e+02
Ne VI	433.1730	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2S_{1/2}$	5.6	2.12e+03
Ca VII	433.6034	$3s^2\ 3p^2\ ^1D_2$ - $3s\ 3p^3\ ^1P_1$	5.7	1.19e+02
Mg VII	434.7260	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3D_2$	5.8	2.21e+02
Mg VII	434.9230	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3D_3$	5.8	1.55e+03
O III	434.9800	$2s^2\ 2p^2\ ^1S_0$ - $2s^2\ 2p\ 3s\ ^1P_1$	5.0	1.21e+03
Ne VI	435.6410	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2S_{1/2}$	5.6	3.14e+03
Ca VIII	436.1380	$3s^2\ 3p\ ^2P_{3/2}$ - $3s\ 3p^2\ ^2P_{3/2}$	5.8	3.44e+02
Mg VIII	436.6610	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2D_{3/2}$	5.9	2.15e+02
Mg VIII	436.7340	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2D_{5/2}$	5.9	2.19e+03
Fe XIX	436.7545	$2s^2\ 2p^3\ (^2D)\ 3s\ ^1D_2$ - $2s^2\ 2p^3\ (^2D)\ 3p\ ^1F_3$	7.0	3.64e+02
Fe XVII	438.6858	$2s^2\ 2p^5\ 3s\ ^1P_1$ - $2s^2\ 2p^5\ 3p\ ^3S_1$	7.2	1.81e+04
Mg IX	439.1771	$2s\ 2p\ ^3P_1$ - $2p^2\ ^3P_2$	6.0	1.06e+02
O IV	442.7100	$2s\ 2p^2\ ^2S_{1/2}$ - $2s^2\ 3p\ ^2P_{3/2}$	5.2	5.21e+02
O IV	442.8800	$2s\ 2p^2\ ^2S_{1/2}$ - $2s^2\ 3p\ ^2P_{1/2}$	5.2	2.60e+02
Mg IX	443.9737	$2s\ 2p\ ^3P_2$ - $2p^2\ ^3P_2$	6.0	3.04e+02
Fe XIV	444.2210	$3s^2\ 3p\ ^2P_{1/2}$ - $3s\ 3p^2\ ^4P_{1/2}$	6.3	1.05e+02
S XIV	445.7011	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{1/2}$	7.1	6.78e+04
Fe XIX *	445.7638	$2s^2\ 2p^3\ (^2D)\ 3s\ ^3D_3$ - $2s^2\ 2p^3\ (^2D)\ 3p\ ^3F_3$	7.0	2.55e+02
Fe XIV	447.3570	$3s^2\ 3p\ ^2P_{3/2}$ - $3s\ 3p^2\ ^4P_{5/2}$	6.3	3.09e+02
Mg IX	448.3067	$2s\ 2p\ ^3P_2$ - $2p^2\ ^3P_1$	6.0	1.00e+02
Ar IV	451.2100	$3s^2\ 3p^3\ ^4S_{3/2}$ - $3s^2\ 3p^2\ (^3P)\ 3d\ ^4P_{1/2}$	5.1	2.56e+02
N III	451.8710	$2s^2\ 2p\ ^2P_{1/2}$ - $2s^2\ 3s\ ^2S_{1/2}$	4.9	1.17e+03
Ar IV	451.8750	$3s^2\ 3p^3\ ^4S_{3/2}$ - $3s^2\ 3p^2\ (^3P)\ 3d\ ^4P_{3/2}$	5.1	5.07e+02
N III	452.2270	$2s^2\ 2p\ ^2P_{3/2}$ - $2s^2\ 3s\ ^2S_{1/2}$	4.9	2.34e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Ar IV	452.9280	$3s^2\ 3p^3\ {}^4S_{3/2}$ - $3s^2\ 3p^2\ ({}^3P)\ 3d\ {}^4P_{5/2}$	5.1	7.69e+02
P XIII	455.7270	$1s^2\ 2s\ {}^2S_{1/2}$ - $1s^2\ 2p\ {}^2P_{3/2}$	7.0	1.49e+03
C III	459.4660	$2s\ 2p\ {}^3P_0$ - $2s\ 3d\ {}^3D_1$	4.9	3.88e+03
C III	459.5140	$2s\ 2p\ {}^3P_1$ - $2s\ 3d\ {}^3D_2$	4.9	8.68e+03
C III	459.5160	$2s\ 2p\ {}^3P_1$ - $2s\ 3d\ {}^3D_1$	4.9	2.91e+03
C III	459.6270	$2s\ 2p\ {}^3P_2$ - $2s\ 3d\ {}^3D_3$	4.9	1.64e+04
C III	459.6330	$2s\ 2p\ {}^3P_2$ - $2s\ 3d\ {}^3D_2$	4.9	2.89e+03
C III	459.6350	$2s\ 2p\ {}^3P_2$ - $2s\ 3d\ {}^3D_1$	4.9	1.94e+02
Fe XVII *	460.7090	$2s^2\ 2p^5\ 3p\ {}^3P_1$ - $2s^2\ 2p^5\ 3d\ {}^3P_0$	7.2	3.45e+03
Ne II	460.7290	$2s^2\ 2p^5\ {}^2P_{3/2}$ - $2s\ 2p^6\ {}^2S_{1/2}$	4.8	2.03e+03
Ne II	462.3920	$2s^2\ 2p^5\ {}^2P_{1/2}$ - $2s\ 2p^6\ {}^2S_{1/2}$	4.8	9.84e+02
Fe XVIII *	463.1589	$2s^2\ 2p^4\ ({}^3P)\ 3s\ {}^2P_{3/2}$ - $2s^2\ 2p^4\ ({}^3P)\ 3p\ {}^4P_{3/2}$	6.9	1.24e+02
Na V	463.2710	$2s^2\ 2p^3\ {}^4S_{3/2}$ - $2s\ 2p^4\ {}^4P_{5/2}$	5.4	1.44e+02
Ne VII	465.2200	$2s^2\ {}^1S_0$ - $2s\ 2p\ {}^1P_1$	5.7	2.59e+04
Ni XXIII	465.3470	$2s^2\ 2p^2\ {}^3P_1$ - $2s^2\ 2p^2\ {}^1D_2$	7.2	1.84e+02
Ca IX	466.2400	$3s^2\ {}^1S_0$ - $3s\ 3p\ {}^1P_1$	5.8	1.27e+03
Fe XIV	467.4290	$3s^2\ 3p\ {}^2P_{3/2}$ - $3s\ 3p^2\ {}^4P_{3/2}$	6.3	1.81e+02
O IV	468.2190	$2p^3\ {}^2D_{3/2}$ - $2s\ 2p\ ({}^3P)\ 3p\ {}^4D_{7/2}$	5.2	1.40e+02
Ne IV	469.7760	$2s^2\ 2p^3\ {}^2D_{5/2}$ - $2s\ 2p^4\ {}^2D_{3/2}$	5.2	4.62e+02
Ne IV	469.8310	$2s^2\ 2p^3\ {}^2D_{5/2}$ - $2s\ 2p^4\ {}^2D_{5/2}$	5.2	6.83e+03
Ne IV	469.8750	$2s^2\ 2p^3\ {}^2D_{3/2}$ - $2s\ 2p^4\ {}^2D_{3/2}$	5.2	4.45e+03
Ne IV	469.9300	$2s^2\ 2p^3\ {}^2D_{3/2}$ - $2s\ 2p^4\ {}^2D_{5/2}$	5.2	4.19e+02
Ni XXI	471.1434	$2s^2\ 2p^4\ {}^3P_2$ - $2s^2\ 2p^4\ {}^1D_2$	7.1	3.12e+03
Ni XXII	477.6790	$2s^2\ 2p^3\ {}^4S_{3/2}$ - $2s^2\ 2p^3\ {}^2D_{5/2}$	7.1	1.66e+03
P XIII	480.2990	$1s^2\ 2s\ {}^2S_{1/2}$ - $1s^2\ 2p\ {}^2P_{1/2}$	7.0	7.12e+02
Ne V	480.4080	$2s^2\ 2p^2\ {}^3P_0$ - $2s\ 2p^3\ {}^3P_1$	5.4	1.44e+03
Ne V	481.2910	$2s^2\ 2p^2\ {}^3P_1$ - $2s\ 2p^3\ {}^3P_0$	5.4	1.46e+03
Ne V	481.3630	$2s^2\ 2p^2\ {}^3P_1$ - $2s\ 2p^3\ {}^3P_1$	5.4	1.16e+03
Ne V	481.3740	$2s^2\ 2p^2\ {}^3P_1$ - $2s\ 2p^3\ {}^3P_2$	5.4	1.75e+03
Fe XV	481.4890	$3s\ 3p\ {}^1P_1$ - $3p^2\ {}^1D_2$	6.4	7.57e+02
Ne V	482.9850	$2s^2\ 2p^2\ {}^3P_2$ - $2s\ 2p^3\ {}^3P_1$	5.4	1.78e+03
Ne V	482.9970	$2s^2\ 2p^2\ {}^3P_2$ - $2s\ 2p^3\ {}^3P_2$	5.4	5.59e+03
S III	485.2500	$3s^2\ 3p^2\ {}^3P_2$ - $3s^2\ 3p\ 4d\ {}^3D_3$	4.9	1.12e+02
Ne III	488.0930	$2s^2\ 2p^4\ {}^3P_2$ - $2s\ 2p^5\ {}^3P_1$	5.0	3.76e+03
Ne III	488.8520	$2s^2\ 2p^4\ {}^3P_1$ - $2s\ 2p^5\ {}^3P_0$	5.0	2.96e+03
Ne III	489.4950	$2s^2\ 2p^4\ {}^3P_2$ - $2s\ 2p^5\ {}^3P_2$	5.0	1.15e+04
Ne III	489.6290	$2s^2\ 2p^4\ {}^3P_1$ - $2s\ 2p^5\ {}^3P_1$	5.0	2.22e+03
Ne III	490.2960	$2s^2\ 2p^4\ {}^3P_0$ - $2s\ 2p^5\ {}^3P_1$	5.0	2.94e+03
Ne III	491.0410	$2s^2\ 2p^4\ {}^3P_1$ - $2s\ 2p^5\ {}^3P_2$	5.0	3.78e+03
S XIII	491.4642	$2s^2\ {}^1S_0$ - $2s\ 2p\ {}^3P_1$	6.4	8.50e+02
Na VII	491.9330	$2s^2\ 2p\ {}^2P_{3/2}$ - $2s\ 2p^2\ {}^2D_{5/2}$	5.8	1.26e+02
Ar IV	492.7890	$3s^2\ 3p^3\ {}^2D_{3/2}$ - $3s\ 3p^4\ {}^2P_{1/2}$	5.1	2.29e+02
Na VI	494.3800	$2s^2\ 2p^2\ {}^3P_2$ - $2s\ 2p^3\ {}^3D_3$	5.6	1.05e+02
Ar IV	495.3830	$3s^2\ 3p^3\ {}^2D_{3/2}$ - $3s\ 3p^4\ {}^2P_{3/2}$	5.1	1.08e+02
Ar IV	495.7000	$3s^2\ 3p^3\ {}^2D_{5/2}$ - $3s\ 3p^4\ {}^2P_{3/2}$	5.1	3.90e+02
Si XII	499.4066	$1s^2\ 2s\ {}^2S_{1/2}$ - $1s^2\ 2p\ {}^2P_{3/2}$	6.9	1.21e+05
S XIII	500.3362	$2s\ 2p\ {}^1P_1$ - $2p^2\ {}^1D_2$	6.5	1.42e+02
O III	507.3880	$2s^2\ 2p^2\ {}^3P_0$ - $2s\ 2p^3\ {}^3S_1$	4.9	1.24e+04
O III	507.6800	$2s^2\ 2p^2\ {}^3P_1$ - $2s\ 2p^3\ {}^3S_1$	4.9	3.72e+04

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
O III	508.1780	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3S_1$	4.9	6.20e+04
He I	515.6180	$1s^2\ ^1S_0$ - $1s\ 5p\ ^1P_1$	4.5	1.85e+03
S V	518.2500	$3s\ 3p\ ^1P_1$ - $3s\ 4s\ ^1S_0$	5.2	6.00e+02
Fe XVII	519.7001	$2s^2\ 2p^5\ 3s\ ^3P_0$ - $2s^2\ 2p^5\ 3p\ ^1P_1$	7.2	2.64e+02
Si XII	520.6661	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{1/2}$	6.9	5.89e+04
Ne IV	521.7390	$2s^2\ 2p^3\ ^2P_{1/2}$ - $2s\ 2p^4\ ^2D_{3/2}$	5.2	4.65e+02
Ne IV	521.8240	$2s^2\ 2p^3\ ^2P_{3/2}$ - $2s\ 2p^4\ ^2D_{5/2}$	5.2	8.92e+02
He I	522.2140	$1s^2\ ^1S_0$ - $1s\ 4p\ ^1P_1$	4.5	7.54e+03
O III	525.7940	$2s^2\ 2p^2\ ^1D_2$ - $2s\ 2p^3\ ^1P_1$	5.0	4.96e+04
Ar IV	532.4230	$3s^2\ 3p^3\ ^4S_{3/2}$ - $3s^2\ 3p^2\ (^3P)\ 3d\ ^4D_{5/2}$	5.1	2.16e+02
Ar IV	536.0750	$3s^2\ 3p^3\ ^2D_{5/2}$ - $3s^2\ 3p^2\ (^3P)\ 3d\ ^2G_{7/2}$	5.1	2.96e+02
S III	536.5390	$3s^2\ 3p^2\ ^1S_0$ - $3s^2\ 3p\ 4d\ ^1P_1$	4.8	1.34e+02
He I	537.0310	$1s^2\ ^1S_0$ - $1s\ 3p\ ^1P_1$	4.5	1.99e+04
O II	537.8330	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s\ 2p^4\ ^2P_{1/2}$	4.8	3.67e+03
C III	538.0800	$2s\ 2p\ ^3P_0$ - $2s\ 3s\ ^3S_1$	4.9	4.08e+03
C III	538.1490	$2s\ 2p\ ^3P_1$ - $2s\ 3s\ ^3S_1$	4.9	1.22e+04
O II	538.2630	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s\ 2p^4\ ^2P_{3/2}$	4.8	7.65e+03
C III	538.3120	$2s\ 2p\ ^3P_2$ - $2s\ 3s\ ^3S_1$	4.9	2.04e+04
O II	538.3210	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s\ 2p^4\ ^2P_{3/2}$	4.8	8.95e+02
Ne IV	541.1270	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{1/2}$	5.2	3.40e+03
Fe XX	541.3375	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s^2\ 2p^3\ ^2P_{3/2}$	7.1	6.07e+03
Ne IV	542.0710	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{3/2}$	5.2	6.81e+03
Ne IV	543.8870	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{5/2}$	5.2	1.02e+04
Al XI	550.0318	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{3/2}$	6.9	4.55e+03
S IV	551.1210	$3s^2\ 3p\ ^2P_{1/2}$ - $3s^2\ 4s\ ^2S_{1/2}$	5.0	7.29e+02
O IV	553.3290	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2P_{3/2}$	5.2	4.38e+04
Ne VI	553.9530	$2s\ 2p^2\ ^2D_{5/2}$ - $2p^3\ ^2D_{5/2}$	5.6	1.46e+02
S IV	554.0270	$3s^2\ 3p\ ^2P_{3/2}$ - $3s^2\ 4s\ ^2S_{1/2}$	5.0	1.46e+03
O IV	554.0760	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2P_{1/2}$	5.2	8.66e+04
O III	554.2700	$2s\ 2p^3\ ^3D_3$ - $2s^2\ 2p\ 3p\ ^3P_2$	5.0	9.99e+02
O III	554.3570	$2s\ 2p^3\ ^3D_2$ - $2s^2\ 2p\ 3p\ ^3P_2$	5.0	1.85e+02
O IV	554.5130	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2P_{3/2}$	5.2	2.19e+05
O III	554.7590	$2s\ 2p^3\ ^3D_2$ - $2s^2\ 2p\ 3p\ ^3P_1$	5.0	5.11e+02
O III	554.7730	$2s\ 2p^3\ ^3D_1$ - $2s^2\ 2p\ 3p\ ^3P_1$	5.0	1.74e+02
O III	554.9950	$2s\ 2p^3\ ^3D_1$ - $2s^2\ 2p\ 3p\ ^3P_0$	5.0	2.22e+02
O IV	555.2630	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2P_{1/2}$	5.2	4.48e+04
Ca X	557.7660	$3s\ ^2S_{1/2}$ - $3p\ ^2P_{3/2}$	5.9	7.93e+02
Ne VII	558.6090	$2s\ 2p\ ^3P_1$ - $2p^2\ ^3P_2$	5.7	3.28e+02
Ne VI	558.6850	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2D_{3/2}$	5.6	5.39e+03
Ne VII	559.9480	$2s\ 2p\ ^3P_0$ - $2p^2\ ^3P_1$	5.7	2.61e+02
Ne VII	561.3780	$2s\ 2p\ ^3P_1$ - $2p^2\ ^3P_1$	5.7	1.93e+02
Ne VII	561.7280	$2s\ 2p\ ^3P_2$ - $2p^2\ ^3P_2$	5.7	9.59e+02
Ne VI	562.7030	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2D_{5/2}$	5.6	9.62e+03
Ne VI	562.7980	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2D_{3/2}$	5.6	9.65e+02
S IV	564.0580	$3s\ 3p^2\ ^2D_{5/2}$ - $3s\ 3p\ (^3P)\ 4s\ ^2P_{1/2}$	5.1	1.59e+02
Ne VII	564.5280	$2s\ 2p\ ^3P_2$ - $2p^2\ ^3P_1$	5.7	3.13e+02
Si III	566.6140	$3s^2\ ^1S_0$ - $3s\ 4p\ ^1P_1$	4.8	9.82e+02
Fe XX	567.8666	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^3\ ^2D_{5/2}$	7.1	3.05e+04
Al XI	568.1215	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{1/2}$	6.9	2.21e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Ne V	568.4220	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^3\ ^3D_1$	5.4	1.93e+03
Ne V	569.7590	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3D_1$	5.4	1.34e+03
Ne V	569.8370	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3D_2$	5.4	4.33e+03
Ne V	572.1130	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3D_2$	5.4	1.25e+03
Ne V	572.3360	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3D_3$	5.4	7.84e+03
Ca X	574.0110	$3s\ ^2S_{1/2}$ - $3p\ ^2P_{1/2}$	5.9	3.91e+02
O III	574.0600	$2s\ 2p^3\ ^3D_3$ - $2s^2\ 2p\ 3p\ ^3D_3$	5.0	6.43e+02
C III	574.2810	$2s\ 2p\ ^1P_1$ - $2s\ 3d\ ^1D_2$	4.9	4.53e+03
O III	574.8800	$2s\ 2p^3\ ^3D_2$ - $2s^2\ 2p\ 3p\ ^3D_2$	5.0	3.34e+02
O III	575.3470	$2s\ 2p^3\ ^3D_1$ - $2s^2\ 2p\ 3p\ ^3D_1$	5.0	1.80e+02
O II	580.4040	$2s^2\ 2p^3\ ^2P_{3/2}$ - $2s\ 2p^4\ ^2P_{1/2}$	4.8	3.69e+02
O II	580.4100	$2s^2\ 2p^3\ ^2P_{1/2}$ - $2s\ 2p^4\ ^2P_{1/2}$	4.8	6.31e+02
Si XI	580.9202	$2s^2\ ^1S_0$ - $2s\ 2p\ ^3P_1$	6.2	5.61e+02
O II	580.9710	$2s^2\ 2p^3\ ^2P_{3/2}$ - $2s\ 2p^4\ ^2P_{3/2}$	4.8	1.78e+03
O II	580.9780	$2s^2\ 2p^3\ ^2P_{1/2}$ - $2s\ 2p^4\ ^2P_{3/2}$	4.8	3.68e+02
He I	584.3350	$1s^2\ ^1S_0$ - $1s\ 2p\ ^1P_1$	4.5	2.76e+05
Ar VII	585.7540	$3s^2\ ^1S_0$ - $3s\ 3p\ ^1P_1$	5.6	1.62e+03
Fe XXI	585.7671	$2s^2\ 2p^2\ ^3P_1$ - $2s^2\ 2p^2\ ^1D_2$	7.1	8.32e+03
Fe XIX	592.2357	$2s^2\ 2p^4\ ^3P_2$ - $2s^2\ 2p^4\ ^1D_2$	7.0	3.50e+04
Ar IV *	593.3410	$3s^2\ 3p^3\ ^2D_{3/2}$ - $3s^2\ 3p^2\ (^3P)\ 3d\ ^2F_{5/2}$	5.1	1.84e+02
Ar IV *	593.3410	$3s^2\ 3p^3\ ^2D_{5/2}$ - $3s^2\ 3p^2\ (^3P)\ 3d\ ^2F_{5/2}$	5.1	1.45e+02
Ar IV *	593.3410	$3s^2\ 3p^3\ ^2D_{5/2}$ - $3s^2\ 3p^2\ (^3P)\ 3d\ ^2F_{7/2}$	5.1	5.08e+02
Ar IV	596.6440	$3s^2\ 3p^3\ ^2D_{5/2}$ - $3s^2\ 3p^2\ (^3P)\ 3d\ ^4D_{7/2}$	5.1	3.13e+02
Ca VIII	596.9260	$3s^2\ 3p\ ^2P_{3/2}$ - $3s\ 3p^2\ ^2D_{5/2}$	5.8	1.22e+02
O III	597.8140	$2s^2\ 2p^2\ ^1S_0$ - $2s\ 2p^3\ ^1P_1$	5.0	6.61e+03
O III	599.5900	$2s^2\ 2p^2\ ^1D_2$ - $2s\ 2p^3\ ^1D_2$	4.9	1.17e+05
Si XI	604.1212	$2s\ 2p\ ^1P_1$ - $2p^2\ ^1D_2$	6.2	1.09e+02
O IV	608.3970	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2S_{1/2}$	5.2	3.50e+04
O III	609.7050	$2s\ 2p^3\ ^3D_1$ - $2p^4\ ^3P_0$	5.0	1.96e+02
Mg X	609.7944	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{3/2}$	6.8	3.05e+04
O IV	609.8290	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2S_{1/2}$	5.2	6.48e+04
Ni XXIV	609.8502	$2s^2\ 2p\ ^2P_{1/2}$ - $2s^2\ 2p\ ^2P_{3/2}$	7.2	3.80e+03
O III	610.0390	$2s\ 2p^3\ ^3D_2$ - $2p^4\ ^3P_1$	5.0	5.83e+02
O III	610.0570	$2s\ 2p^3\ ^3D_1$ - $2p^4\ ^3P_1$	5.0	1.97e+02
O III	610.7450	$2s\ 2p^3\ ^3D_3$ - $2p^4\ ^3P_2$	5.0	1.06e+03
O III	610.8500	$2s\ 2p^3\ ^3D_2$ - $2p^4\ ^3P_2$	5.0	1.92e+02
S IV	611.0990	$3s\ 3p^2\ ^2D_{3/2}$ - $3s^2\ 4f\ ^2F_{5/2}$	5.1	1.94e+02
S IV	611.7680	$3s\ 3p^2\ ^2D_{5/2}$ - $3s^2\ 4f\ ^2F_{7/2}$	5.1	2.80e+02
Ni XXIII	614.4560	$2s^2\ 2p^2\ ^3P_2$ - $2s^2\ 2p^2\ ^1D_2$	7.2	1.23e+02
O IV	616.9520	$2s\ 2p^2\ ^2D_{5/2}$ - $2p^3\ ^2P_{3/2}$	5.2	1.25e+03
O IV	617.0050	$2s\ 2p^2\ ^2D_{3/2}$ - $2p^3\ ^2P_{3/2}$	5.2	1.44e+02
O IV	617.0360	$2s\ 2p^2\ ^2D_{3/2}$ - $2p^3\ ^2P_{1/2}$	5.2	6.91e+02
Ar IV	623.7780	$3s^2\ 3p^3\ ^2D_{5/2}$ - $3s^2\ 3p^2\ (^3P)\ 3d\ ^4F_{7/2}$	5.1	2.67e+02
O IV	624.6190	$2s\ 2p^2\ ^4P_{1/2}$ - $2p^3\ ^4S_{3/2}$	5.2	4.00e+03
Si X	624.7790	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^4P_{5/2}$	6.2	1.11e+02
Mg X	624.9426	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{1/2}$	6.8	1.49e+04
O IV	625.1270	$2s\ 2p^2\ ^4P_{3/2}$ - $2p^3\ ^4S_{3/2}$	5.2	7.98e+03
Ar IV	625.7340	$3s^2\ 3p^3\ ^2D_{5/2}$ - $3s^2\ 3p^2\ (^3P)\ 3d\ ^4F_{5/2}$	5.1	1.06e+02
O IV	625.8530	$2s\ 2p^2\ ^4P_{5/2}$ - $2p^3\ ^4S_{3/2}$	5.2	1.19e+04

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
O V	629.7320	$2s^2\ ^1S_0$ - 2s 2p $^1P_1$	5.3	4.85e+05
Ni XXII	634.9540	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^3\ ^2D_{3/2}$	7.1	2.16e+03
O II	644.1550	$2s^2\ 2p^3\ ^2P_{3/2}$ - 2s $2p^4\ ^2S_{1/2}$	4.7	4.20e+03
O II	644.1630	$2s^2\ 2p^3\ ^2P_{1/2}$ - 2s $2p^4\ ^2S_{1/2}$	4.7	2.13e+03
O III	644.4230	2s $2p^3\ ^3P_2$ - $2s^2$ 2p 3p $^3S_1$	5.0	2.63e+02
O III	644.4260	2s $2p^3\ ^3P_1$ - $2s^2$ 2p 3p $^3S_1$	5.0	1.58e+02
N II	644.6350	$2s^2\ 2p^2\ ^3P_0$ - 2s $2p^3\ ^3S_1$	4.7	4.42e+02
N II	644.8380	$2s^2\ 2p^2\ ^3P_1$ - 2s $2p^3\ ^3S_1$	4.7	1.32e+03
N II	645.1790	$2s^2\ 2p^2\ ^3P_2$ - 2s $2p^3\ ^3S_1$	4.7	2.21e+03
S IV	653.5500	3s $3p^2\ ^4P_{3/2}$ - 3s 3p (^{3}P) 3d $^4D_{5/2}$	5.0	1.95e+02
S IV	653.9930	3s $3p^2\ ^4P_{3/2}$ - 3s 3p (^{3}P) 3d $^4D_{3/2}$	5.0	1.19e+02
S III	654.3770	$3s^2\ 3p^2\ ^1D_2$ - $3s^2$ 3p 3d $^1P_1$	4.8	1.11e+02
S IV	655.5530	3s $3p^2\ ^4P_{5/2}$ - 3s 3p (^{3}P) 3d $^4D_{7/2}$	5.0	3.60e+02
S IV	655.8890	3s $3p^2\ ^4P_{5/2}$ - 3s 3p (^{3}P) 3d $^4D_{5/2}$	5.0	1.25e+02
S IV	657.3190	$3s^2$ 3p $^2P_{1/2}$ - $3s^2$ 3d $^2D_{3/2}$	5.0	9.82e+03
S V	658.2530	3s 3p $^3P_0$ - 3s 3d $^3D_1$	5.2	3.95e+02
O III	658.5790	2s $2p^3\ ^3P_2$ - $2s^2$ 2p 3p $^3D_3$	5.0	1.09e+03
O III	659.5350	2s $2p^3\ ^3P_2$ - $2s^2$ 2p 3p $^3D_2$	5.0	1.76e+02
O III	659.5390	2s $2p^3\ ^3P_1$ - $2s^2$ 2p 3p $^3D_2$	5.0	5.41e+02
S V	659.8340	3s 3p $^3P_1$ - 3s 3d $^3D_2$	5.2	5.89e+02
S V	659.8580	3s 3p $^3P_1$ - 3s 3d $^3D_1$	5.2	2.93e+02
O III	660.1330	2s $2p^3\ ^3P_1$ - $2s^2$ 2p 3p $^3D_1$	5.0	1.46e+02
O III	660.1840	2s $2p^3\ ^3P_0$ - $2s^2$ 2p 3p $^3D_1$	5.0	2.00e+02
N II	660.2880	$2s^2\ 2p^2\ ^1D_2$ - 2s $2p^3\ ^1P_1$	4.7	1.47e+03
S IV	661.3960	$3s^2$ 3p $^2P_{3/2}$ - $3s^2$ 3d $^2D_{5/2}$	5.0	1.78e+04
S IV	661.4550	$3s^2$ 3p $^2P_{3/2}$ - $3s^2$ 3d $^2D_{3/2}$	5.0	2.02e+03
Cr XVIII	662.9380	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^3\ ^2D_{5/2}$	6.9	1.24e+02
S V	663.1280	3s 3p $^3P_2$ - 3s 3d $^3D_3$	5.2	2.22e+03
S V	663.1670	3s 3p $^3P_2$ - 3s 3d $^3D_2$	5.2	1.93e+02
S IV	663.7040	3s $3p^2\ ^4P_{3/2}$ - 3s 3p (^{3}P) 3d $^4P_{5/2}$	5.0	1.19e+02
S IV	666.1160	3s $3p^2\ ^4P_{5/2}$ - 3s 3p (^{3}P) 3d $^4P_{5/2}$	5.0	1.40e+02
N II	671.0170	$2s^2\ 2p^2\ ^3P_1$ - $2s^2$ 2p 3s $^3P_2$	4.7	5.69e+02
N II	671.3870	$2s^2\ 2p^2\ ^3P_2$ - $2s^2$ 2p 3s $^3P_2$	4.7	1.70e+03
N II	671.4120	$2s^2\ 2p^2\ ^3P_0$ - $2s^2$ 2p 3s $^3P_1$	4.7	3.86e+02
N II	671.6310	$2s^2\ 2p^2\ ^3P_1$ - $2s^2$ 2p 3s $^3P_1$	4.7	2.88e+02
N II	671.7740	$2s^2\ 2p^2\ ^3P_1$ - $2s^2$ 2p 3s $^3P_0$	4.7	4.60e+02
N II	672.0020	$2s^2\ 2p^2\ ^3P_2$ - $2s^2$ 2p 3s $^3P_1$	4.7	4.91e+02
S XV	673.4005	1s 2s $^3S_1$ - 1s 2p $^3P_2$	7.1	4.55e+02
S IV	674.4400	3s $3p^2\ ^2D_{5/2}$ - 3s 3p (^{3}P) 3d $^2F_{7/2}$	5.1	6.34e+02
S IV	676.0060	3s $3p^2\ ^2S_{1/2}$ - 3s 3p (^{3}P) 4s $^2P_{1/2}$	5.1	1.47e+02
S III	677.7290	$3s^2\ 3p^2\ ^3P_0$ - $3s^2$ 3p 3d $^3D_1$	4.8	2.27e+03
S IV	677.9840	3s $3p^2\ ^2D_{5/2}$ - 3s 3p (^{3}P) 3d $^2F_{5/2}$	5.1	3.19e+02
S IV	678.0860	3s $3p^2\ ^2P_{1/2}$ - 3s 3p (^{1}P) 3d $^2D_{3/2}$	5.1	1.10e+02
S III	678.4550	$3s^2\ 3p^2\ ^3P_1$ - $3s^2$ 3p 3d $^3D_2$	4.8	5.18e+03
S III	679.1030	$3s^2\ 3p^2\ ^3P_1$ - $3s^2$ 3p 3d $^3D_1$	4.8	2.13e+03
Fe XX	679.2614	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s^2\ 2p^3\ ^2P_{3/2}$	7.1	1.27e+03
S IV	680.3360	3s $3p^2\ ^2P_{3/2}$ - 3s 3p (^{1}P) 3d $^2D_{5/2}$	5.1	2.12e+02
S III	680.6770	$3s^2\ 3p^2\ ^3P_2$ - $3s^2$ 3p 3d $^3D_3$	4.8	1.06e+04
S III	680.9250	$3s^2\ 3p^2\ ^3P_2$ - $3s^2$ 3p 3d $^3D_2$	4.8	2.48e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
S III	680.9740	$3s^2\ 3p^2\ ^3P_1$ - $3s^2\ 3p\ 4s\ ^3P_2$	4.8	3.27e+03
S III	681.4890	$3s^2\ 3p^2\ ^3P_0$ - $3s^2\ 3p\ 4s\ ^3P_1$	4.8	1.35e+03
S III	681.5780	$3s^2\ 3p^2\ ^3P_2$ - $3s^2\ 3p\ 3d\ ^3D_1$	4.8	2.08e+02
Na IX	681.7200	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{3/2}$	6.8	5.71e+02
S III	683.0660	$3s^2\ 3p^2\ ^3P_1$ - $3s^2\ 3p\ 4s\ ^3P_0$	4.8	6.87e+02
Ar IV	683.2800	$3s^2\ 3p^3\ ^2D_{3/2}$ - $3s^2\ 3p^2\ (^3P)\ 3d\ ^2P_{1/2}$	5.1	1.42e+02
S III	683.4620	$3s^2\ 3p^2\ ^3P_2$ - $3s^2\ 3p\ 4s\ ^3P_2$	4.8	1.31e+02
S III	683.5900	$3s^2\ 3p^2\ ^1D_2$ - $3s^2\ 3p\ 3d\ ^1F_3$	4.8	7.34e+03
N III	684.9980	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2P_{3/2}$	4.9	9.20e+03
S III	685.3810	$3s^2\ 3p^2\ ^3P_2$ - $3s^2\ 3p\ 4s\ ^3P_1$	4.8	3.97e+02
N III	685.5150	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2P_{1/2}$	4.9	1.83e+04
N III	685.8170	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2P_{3/2}$	4.9	4.60e+04
N III	686.3360	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2P_{1/2}$	4.9	9.30e+03
Ar IV	689.0230	$3s^2\ 3p^3\ ^2D_{5/2}$ - $3s^2\ 3p^2\ (^3P)\ 3d\ ^2P_{3/2}$	5.1	2.71e+02
C III	690.5210	$2s\ 2p\ ^1P_1$ - $2s\ 3s\ ^1S_0$	4.9	6.40e+03
N III	691.1930	$2s\ 2p^2\ ^2D_{5/2}$ - $2s^2\ 3p\ ^2P_{3/2}$	4.9	7.34e+02
N III	691.3970	$2s\ 2p^2\ ^2D_{3/2}$ - $2s^2\ 3p\ ^2P_{1/2}$	4.9	4.06e+02
Na IX	694.1470	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{1/2}$	6.8	2.82e+02
Ni XX	694.6113	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^5\ ^2P_{1/2}$	7.1	4.88e+03
S V	696.6240	$3s\ 3p\ ^1P_1$ - $3s\ 3d\ ^1D_2$	5.2	2.06e+03
Fe VIII	697.1560	$3p^6\ 4p\ ^2P_{1/2}$ - $3p^6\ 4d\ ^2D_{3/2}$	5.7	1.21e+02
S III	698.7270	$3s^2\ 3p^2\ ^3P_0$ - $3s^2\ 3p\ 3d\ ^3P_1$	4.8	1.23e+03
S III	700.1490	$3s^2\ 3p^2\ ^3P_1$ - $3s^2\ 3p\ 3d\ ^3P_2$	4.8	1.66e+03
S III	700.1880	$3s^2\ 3p^2\ ^3P_1$ - $3s^2\ 3p\ 3d\ ^3P_1$	4.8	7.57e+02
Ar VIII	700.2460	$3s\ ^2S_{1/2}$ - $3p\ ^2P_{3/2}$	5.6	3.96e+02
S III	700.2870	$3s^2\ 3p^2\ ^3P_1$ - $3s^2\ 3p\ 3d\ ^3P_0$	4.8	1.12e+03
O III	702.3370	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^3\ ^3P_1$	4.9	3.20e+04
S III	702.7790	$3s^2\ 3p^2\ ^3P_2$ - $3s^2\ 3p\ 3d\ ^3P_2$	4.8	3.90e+03
S III	702.8190	$3s^2\ 3p^2\ ^3P_2$ - $3s^2\ 3p\ 3d\ ^3P_1$	4.8	1.35e+03
O III	702.8380	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3P_0$	4.9	2.92e+04
O III	702.8960	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3P_1$	4.9	2.47e+04
O III	702.9000	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3P_2$	4.9	3.91e+04
O III	703.8510	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3P_1$	4.9	3.99e+04
O III	703.8540	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3P_2$	4.9	1.20e+05
Mg IX	706.0365	$2s^2\ ^1S_0$ - $2s\ 2p\ ^3P_1$	6.0	3.03e+02
S VI	706.4710	$3p\ ^2P_{1/2}$ - $3d\ ^2D_{3/2}$	5.3	1.81e+02
O III	707.3200	$2s\ 2p^3\ ^3P_2$ - $2p^4\ ^3P_2$	5.0	1.85e+02
S IV	707.3460	$3s\ 3p^2\ ^2S_{1/2}$ - $3s\ 3p\ (^3P)\ 3d\ ^2P_{3/2}$	5.1	1.22e+02
Fe XVII	708.0361	$2s^2\ 2p^5\ 3s\ ^3P_0$ - $2s^2\ 2p^5\ 3p\ ^3S_1$	7.2	8.75e+02
S III	710.9610	$3s^2\ 3p^2\ ^1D_2$ - $3s\ 3p^3\ ^1D_2$	4.8	7.60e+03
S VI	712.6720	$3p\ ^2P_{3/2}$ - $3d\ ^2D_{5/2}$	5.3	3.22e+02
Ar VIII	713.8130	$3s\ ^2S_{1/2}$ - $3p\ ^2P_{1/2}$	5.6	1.97e+02
S IV	716.6480	$3s\ 3p^2\ ^2D_{3/2}$ - $3s\ 3p\ (^3P)\ 3d\ ^2D_{3/2}$	5.1	1.11e+02
S IV	717.0510	$3s\ 3p^2\ ^2D_{5/2}$ - $3s\ 3p\ (^3P)\ 3d\ ^2D_{5/2}$	5.1	1.78e+02
O II	718.4650	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s\ 2p^4\ ^2D_{3/2}$	4.7	2.35e+03
O II	718.5060	$2s^2\ 2p^3\ ^2D_{5/2}$ - $2s\ 2p^4\ ^2D_{5/2}$	4.7	3.36e+04
O II	718.5680	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s\ 2p^4\ ^2D_{3/2}$	4.7	2.17e+04
O II	718.6100	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s\ 2p^4\ ^2D_{5/2}$	4.7	2.24e+03
Fe VIII	721.2560	$3p^6\ 4p\ ^2P_{3/2}$ - $3p^6\ 4d\ ^2D_{5/2}$	5.7	1.68e+02

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XX	721.5593	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^3\ ^2D_{3/2}$	7.1	4.77e+04
S III	724.2900	$3s^2\ 3p^2\ ^3P_0$ - $3s\ 3p^3\ ^3S_1$	4.8	1.03e+03
S III	725.8590	$3s^2\ 3p^2\ ^3P_1$ - $3s\ 3p^3\ ^3S_1$	4.8	2.90e+03
S III	728.6870	$3s^2\ 3p^2\ ^3P_2$ - $3s\ 3p^3\ ^3S_1$	4.8	4.27e+03
S III	729.5270	$3s^2\ 3p^2\ ^1D_2$ - $3s^2\ 3p\ 4s\ ^1P_1$	4.8	2.28e+03
S III	730.0420	$3s^2\ 3p^2\ ^1S_0$ - $3s^2\ 3p\ 3d\ ^1P_1$	4.8	2.50e+03
S III	738.4780	$3s^2\ 3p^2\ ^1D_2$ - $3s^2\ 3p\ 4s\ ^3P_1$	4.8	2.74e+02
Cr XVII	740.7915	$2s^2\ 2p^4\ ^3P_2$ - $2s^2\ 2p^4\ ^1D_2$	6.9	1.09e+02
S IV	744.9040	$3s^2\ 3p\ ^2P_{1/2}$ - $3s\ 3p^2\ ^2P_{3/2}$	5.0	3.64e+03
N II	745.8420	$2s^2\ 2p^2\ ^1S_0$ - $2s\ 2p^3\ ^1P_1$	4.7	5.11e+02
N II	746.9860	$2s^2\ 2p^2\ ^1D_2$ - $2s^2\ 2p\ 3s\ ^1P_1$	4.7	2.48e+03
N II	748.3700	$2s^2\ 2p^2\ ^1D_2$ - $2s^2\ 2p\ 3s\ ^3P_1$	4.7	1.94e+02
S IV	748.3930	$3s^2\ 3p\ ^2P_{1/2}$ - $3s\ 3p^2\ ^2P_{1/2}$	5.0	6.61e+03
S IV	750.2210	$3s^2\ 3p\ ^2P_{3/2}$ - $3s\ 3p^2\ ^2P_{3/2}$	5.0	1.71e+04
S IV	753.7600	$3s^2\ 3p\ ^2P_{3/2}$ - $3s\ 3p^2\ ^2P_{1/2}$	5.0	3.68e+03
Fe XVII	754.6273	$2s^2\ 2p^5\ 3s\ ^3P_1$ - $2s^2\ 2p^5\ 3p\ ^3S_1$	7.2	9.09e+02
S XV	756.3060	$1s\ 2s\ ^3S_1$ - $1s\ 2p\ ^3P_0$	7.1	1.05e+02
S IV	756.9790	$3s\ 3p^2\ ^4P_{3/2}$ - $3s\ 3p\ (^3P)\ 3d\ ^4F_{5/2}$	5.0	1.45e+02
S IV	758.5420	$3s\ 3p^2\ ^4P_{5/2}$ - $3s\ 3p\ (^3P)\ 3d\ ^4F_{7/2}$	5.0	3.27e+02
Mn XIX	758.6330	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^3\ ^2D_{3/2}$	7.0	1.13e+02
O V	758.6770	$2s\ 2p\ ^3P_1$ - $2p^2\ ^3P_2$	5.3	1.34e+04
O V	759.4420	$2s\ 2p\ ^3P_0$ - $2p^2\ ^3P_1$	5.3	1.05e+04
O V	760.2270	$2s\ 2p\ ^3P_1$ - $2p^2\ ^3P_1$	5.3	7.86e+03
O V	760.4460	$2s\ 2p\ ^3P_2$ - $2p^2\ ^3P_2$	5.3	3.99e+04
O V	761.1280	$2s\ 2p\ ^3P_1$ - $2p^2\ ^3P_0$	5.3	5.56e+03
O V	762.0040	$2s\ 2p\ ^3P_2$ - $2p^2\ ^3P_1$	5.3	1.30e+04
N III	763.3340	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2S_{1/2}$	4.9	8.44e+03
S II	763.6580	$3s^2\ 3p^3\ ^4S_{3/2}$ - $3s^2\ 3p^2\ (^3P)\ 3d\ ^4P_{1/2}$	4.6	2.96e+02
Ni XXV	763.6750	$2s\ 2p\ ^3P_1$ - $2s\ 2p\ ^3P_2$	7.2	4.70e+02
N III	764.3510	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2S_{1/2}$	4.9	1.63e+04
S II	764.4170	$3s^2\ 3p^3\ ^4S_{3/2}$ - $3s^2\ 3p^2\ (^3P)\ 3d\ ^4P_{3/2}$	4.6	5.72e+02
N IV	765.1470	$2s^2\ ^1S_0$ - $2s\ 2p\ ^1P_1$	5.1	1.18e+05
S II	765.6850	$3s^2\ 3p^3\ ^4S_{3/2}$ - $3s^2\ 3p^2\ (^3P)\ 3d\ ^4P_{5/2}$	4.6	8.49e+02
Ne VIII	770.4103	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{3/2}$	5.8	1.37e+04
N III	771.5450	$2s\ 2p^2\ ^4P_{1/2}$ - $2p^3\ ^4S_{3/2}$	4.9	1.74e+03
N III	771.9010	$2s\ 2p^2\ ^4P_{3/2}$ - $2p^3\ ^4S_{3/2}$	4.9	3.46e+03
Mg VIII	772.2620	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^4P_{5/2}$	5.9	1.27e+02
N III	772.3840	$2s\ 2p^2\ ^4P_{5/2}$ - $2p^3\ ^4S_{3/2}$	4.9	5.19e+03
N III	772.8890	$2s\ 2p^2\ ^2D_{5/2}$ - $2p^3\ ^2P_{3/2}$	4.9	3.76e+02
N III	772.9550	$2s\ 2p^2\ ^2D_{3/2}$ - $2p^3\ ^2P_{1/2}$	4.9	2.09e+02
O V	774.5180	$2s\ 2p\ ^1P_1$ - $2p^2\ ^1S_0$	5.4	1.80e+03
N II	775.9670	$2s^2\ 2p^2\ ^1D_2$ - $2s\ 2p^3\ ^1D_2$	4.7	6.81e+03
S X	776.3748	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^3\ ^2P_{3/2}$	6.2	1.17e+02
Ni XXI	779.4854	$2s^2\ 2p^4\ ^3P_2$ - $2s^2\ 2p^4\ ^3P_1$	7.1	2.20e+03
O IV	779.7360	$2s\ 2p^2\ ^2D_{5/2}$ - $2p^3\ ^2D_{3/2}$	5.2	2.42e+02
O IV	779.8200	$2s\ 2p^2\ ^2D_{3/2}$ - $2p^3\ ^2D_{3/2}$	5.2	2.06e+03
O IV	779.9120	$2s\ 2p^2\ ^2D_{5/2}$ - $2p^3\ ^2D_{5/2}$	5.2	3.08e+03
O IV	779.9970	$2s\ 2p^2\ ^2D_{3/2}$ - $2p^3\ ^2D_{5/2}$	5.2	2.25e+02
Ne VIII	780.3254	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{1/2}$	5.8	6.84e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XXI	786.1617	$2s^2\ 2p^2\ ^3P_2$ - $2s^2\ 2p^2\ ^1D_2$	7.1	5.96e+03
S V	786.4700	$3s^2\ ^1S_0$ - $3s\ 3p\ ^1P_1$	5.2	5.88e+04
O IV	787.7100	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2D_{3/2}$	5.2	1.29e+05
S III	789.0020	$3s^2\ 3p^2\ ^1D_2$ - $3s\ 3p^3\ ^3S_1$	4.8	1.51e+02
O IV	790.1120	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2D_{3/2}$	5.2	2.48e+04
O IV	790.1990	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2D_{5/2}$	5.2	2.31e+05
Cr XVIII	793.0860	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^3\ ^2D_{3/2}$	6.9	1.74e+02
Ni XIX	794.6992	$2p^5\ 3s\ ^3P_1$ - $2p^5\ 3s\ ^3P_0$	7.0	1.18e+02
O II	796.6330	$2s^2\ 2p^3\ ^2P_{3/2}$ - $2s\ 2p^4\ ^2D_{3/2}$	4.7	4.26e+02
O II	796.6460	$2s^2\ 2p^3\ ^2P_{1/2}$ - $2s\ 2p^4\ ^2D_{3/2}$	4.7	2.61e+03
O II	796.6840	$2s^2\ 2p^3\ ^2P_{3/2}$ - $2s\ 2p^4\ ^2D_{5/2}$	4.7	4.84e+03
S III	796.6870	$3s^2\ 3p^2\ ^1D_2$ - $3s\ 3p^3\ ^1P_1$	4.8	4.89e+03
Ar IV	801.0900	$3s^2\ 3p^3\ ^2D_{3/2}$ - $3s\ 3p^4\ ^2D_{3/2}$	5.1	5.38e+02
Ar IV	801.4070	$3s^2\ 3p^3\ ^2D_{5/2}$ - $3s\ 3p^4\ ^2D_{5/2}$	5.1	8.10e+02
O IV	802.2010	$2s\ 2p^2\ ^2S_{1/2}$ - $2p^3\ ^2P_{3/2}$	5.2	1.56e+02
S IV	803.9810	$3s\ 3p^2\ ^4P_{5/2}$ - $3p^3\ ^4S_{3/2}$	5.0	1.46e+02
S IV	809.6560	$3s^2\ 3p\ ^2P_{1/2}$ - $3s\ 3p^2\ ^2S_{1/2}$	5.0	2.66e+03
Si XIII	814.6934	$1s\ 2s\ ^3S_1$ - $1s\ 2p\ ^3P_2$	7.1	8.85e+02
Si IV	815.0550	$3p\ ^2P_{1/2}$ - $4s\ ^2S_{1/2}$	4.9	3.26e+02
S IV	815.9410	$3s^2\ 3p\ ^2P_{3/2}$ - $3s\ 3p^2\ ^2S_{1/2}$	5.0	3.75e+03
Si IV	818.1300	$3p\ ^2P_{3/2}$ - $4s\ ^2S_{1/2}$	4.9	6.52e+02
C III	818.1810	$2p^2\ ^3P_2$ - $2s\ 3p\ ^3P_2$	4.9	1.66e+02
S III	820.8830	$3s^2\ 3p^2\ ^3P_1$ - $3s^2\ 3p\ 3d\ ^3F_2$	4.8	1.91e+03
Fe XX	821.7888	$2s^2\ 2p^3\ ^2D_{3/2}$ - $2s^2\ 2p^3\ ^2P_{1/2}$	7.1	9.52e+02
S III	822.5650	$3s^2\ 3p^2\ ^3P_2$ - $3s^2\ 3p\ 3d\ ^3F_3$	4.8	4.02e+03
S III	824.5020	$3s^2\ 3p^2\ ^3P_2$ - $3s^2\ 3p\ 3d\ ^3F_2$	4.8	6.68e+02
S III	824.8340	$3s^2\ 3p^2\ ^1S_0$ - $3s^2\ 3p\ 4s\ ^1P_1$	4.8	1.39e+02
O II	832.7600	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{1/2}$	4.7	3.75e+04
O III	832.9290	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^3\ ^3D_1$	4.9	5.42e+04
O II	833.3320	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{3/2}$	4.7	7.53e+04
O III	833.7150	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3D_1$	4.9	3.93e+04
O III	833.7490	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3D_2$	4.9	1.35e+05
O II	834.4670	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s\ 2p^4\ ^4P_{5/2}$	4.7	1.13e+05
O III	835.0590	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3D_1$	4.9	2.46e+03
O III	835.0920	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3D_2$	4.9	4.21e+04
O III	835.2890	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3D_3$	4.9	2.50e+05
S IV	835.9650	$3s\ 3p^2\ ^2D_{3/2}$ - $3s^2\ 4p\ ^2P_{3/2}$	5.0	1.27e+02
S IV	836.2950	$3s\ 3p^2\ ^2D_{5/2}$ - $3s^2\ 4p\ ^2P_{3/2}$	5.0	1.19e+03
O III	836.5950	$2s\ 2p^3\ ^1D_2$ - $2s^2\ 2p\ 3p\ ^1D_2$	5.0	1.66e+03
S IV	837.4400	$3s\ 3p^2\ ^2D_{3/2}$ - $3s^2\ 4p\ ^2P_{1/2}$	5.0	1.57e+03
Ar IV	840.0290	$3s^2\ 3p^3\ ^4S_{3/2}$ - $3s\ 3p^4\ ^4P_{1/2}$	5.1	2.01e+02
Ar IV	843.7670	$3s^2\ 3p^3\ ^4S_{3/2}$ - $3s\ 3p^4\ ^4P_{3/2}$	5.1	2.96e+02
Fe XXII	845.5715	$2s^2\ 2p\ ^2P_{1/2}$ - $2s^2\ 2p\ ^2P_{3/2}$	7.1	8.27e+04
S V	849.2400	$3s\ 3p\ ^3P_1$ - $3p^2\ ^3P_2$	5.2	3.53e+02
Ar IV	850.5980	$3s^2\ 3p^3\ ^4S_{3/2}$ - $3s\ 3p^4\ ^4P_{5/2}$	5.1	6.15e+02
S V	852.1780	$3s\ 3p\ ^3P_0$ - $3p^2\ ^3P_1$	5.2	4.74e+02
S IV	852.7100	$3s\ 3p^2\ ^2D_{3/2}$ - $3p^3\ ^2P_{1/2}$	5.1	6.38e+02
S IV	853.1240	$3s\ 3p^2\ ^2D_{5/2}$ - $3p^3\ ^2P_{3/2}$	5.1	2.92e+02
S V	854.7700	$3s\ 3p\ ^3P_2$ - $3p^2\ ^3P_2$	5.2	1.03e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
S V	854.8700	3s 3p $^3P_1$ - 3p^2 $^3P_1$	5.2	3.50e+02
C II	858.0930	2s^2 2p $^2P_{1/2}$ - 2s^2 3s $^2S_{1/2}$	4.6	8.34e+03
C II	858.5610	2s^2 2p $^2P_{3/2}$ - 2s^2 3s $^2S_{1/2}$	4.6	2.51e+04
S V	860.4730	3s 3p $^3P_2$ - 3p^2 $^3P_1$	5.2	5.70e+02
N III	871.8620	2s 2p^2 $^2S_{1/2}$ - 2s^2 3p $^2P_{3/2}$	4.9	2.14e+02
N III	872.1350	2s 2p^2 $^2S_{1/2}$ - 2s^2 3p $^2P_{1/2}$	4.9	1.07e+02
S II	875.6540	3s^2 3p^3 $^4S_{3/2}$ - 3s^2 3p^2 (^{3}P) 3d $^4D_{3/2}$	4.5	3.81e+02
Si XIII	878.6464	1s 2s $^3S_1$ - 1s 2p $^3P_0$	7.1	1.80e+02
C III	884.5240	2p^2 $^1D_2$ - 2s 3p $^1P_1$	4.9	2.64e+02
S II	890.9310	3s^2 3p^3 $^2D_{5/2}$ - 3s^2 3p^2 (^{1}D) 3d $^2G_{7/2}$	4.5	7.31e+02
Ne VII	895.1740	2s^2 $^1S_0$ - 2s 2p $^3P_1$	5.7	1.34e+03
O III	898.9570	2s 2p^3 $^1D_2$ - 2p^4 $^1D_2$	5.0	6.97e+02