

Predicted XUV Line Intensities
CHIANTI database - Version 6.0

Calculated with Constant pressure= 1.00e+16 (cm⁻³ K)
2001.0 to 9916.7 Å
Number of lines: 845

Minimum intensity = 1.00000

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 11:56:24 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
Ni XI	2001.0442	$3s^2 3p^5 3d \ ^3F_4 - 3s^2 3p^5 3d \ ^1F_3$	6.2	9.90e+00
S II	2004.1899	$3s 3p^4 \ ^4P_{1/2} - 3s^2 3p^2 \ (^3P) 4p \ ^4P_{3/2}$	4.5	3.08e+00
Ne V	2005.8610	$2s^2 2p 3p \ ^3D_3 - 2s^2 2p 3d \ ^3F_4$	5.4	1.45e+01
Fe II	2007.6680	$3d^6 \ (^3F_2) 4s \ b4f \ ^4F_{7/2} - 3d^6 \ (^3D) 4p \ w4do \ ^4D_{5/2}$	4.5	2.25e+00
Fe II	2008.0940	$3d^7 \ a4p \ ^4P_{5/2} - 3d^6 \ (^3F_2) 4p \ x4d \ ^4D_{5/2}$	4.5	4.20e+00
Fe II	2008.3610	$3d^7 \ a4p \ ^4P_{3/2} - 3d^6 \ (^3F_2) 4p \ x4d \ ^4D_{3/2}$	4.5	5.08e+00
Fe II	2013.9130	$3d^7 \ a4p \ ^4P_{1/2} - 3d^6 \ (^3F_2) 4p \ x4d \ ^4D_{1/2}$	4.5	4.56e+00
Fe VII	2016.0150	$3p^6 3d^2 \ ^1D_2 - 3p^6 3d^2 \ ^1S_0$	5.4	5.04e+00
Fe II	2016.1410	$3d^7 \ a4p \ ^4P_{3/2} - 3d^6 \ (^3F_2) 4p \ x4d \ ^4D_{5/2}$	4.5	9.66e+00
Fe II	2016.7340	$3d^6 \ (^3F_2) 4s \ b4f \ ^4F_{5/2} - 3d^6 \ (^3D) 4p \ w4do \ ^4D_{3/2}$	4.5	1.48e+00
Fe II	2017.7480	$3d^7 \ a4p \ ^4P_{1/2} - 3d^6 \ (^3F_2) 4p \ x4d \ ^4D_{3/2}$	4.5	3.90e+00
Fe II	2021.4050	$3d^7 \ a4p \ ^4P_{5/2} - 3d^6 \ (^3F_2) 4p \ x4d \ ^4D_{7/2}$	4.5	1.93e+01
Fe II	2028.8530	$3d^7 \ a4p \ ^4P_{3/2} - 3d^6 \ (^3P_2) 4p \ y4d \ ^4D_{3/2}$	4.5	8.43e+00
Ne III *	2029.6720	$2s^2 2p^3 \ (^2D) 3s \ ^1D_2 - 2s^2 2p^3 \ (^2D) 3p \ ^3P_2$	5.1	2.75e+01
Fe II	2031.8850	$3d^7 \ a4p \ ^4P_{5/2} - 3d^6 \ (^3P_2) 4p \ y4d \ ^4D_{5/2}$	4.5	7.45e+00
Fe II	2034.3480	$3d^7 \ a4p \ ^4P_{3/2} - 3d^6 \ (^3P_2) 4p \ y4d \ ^4D_{1/2}$	4.5	1.42e+00
Fe II	2038.4330	$3d^7 \ a4p \ ^4P_{1/2} - 3d^6 \ (^3P_2) 4p \ y4d \ ^4D_{3/2}$	4.5	6.46e+00
Fe II	2040.1250	$3d^7 \ a4p \ ^4P_{3/2} - 3d^6 \ (^3P_2) 4p \ y4d \ ^4D_{5/2}$	4.5	1.71e+01
Fe IX	2043.0090	$3s^2 3p^5 3d \ ^3P_2 - 3s^2 3p^5 3d \ ^3D_2$	5.9	6.27e+01
Ne VI	2043.0430	$2s^2 3s \ ^2S_{1/2} - 2s^2 3p \ ^2P_{3/2}$	5.7	2.74e+00
Fe II	2043.9800	$3d^7 \ a4p \ ^4P_{1/2} - 3d^6 \ (^3P_2) 4p \ y4d \ ^4D_{1/2}$	4.5	6.98e+00
Ne VI	2056.5959	$2s^2 3s \ ^2S_{1/2} - 2s^2 3p \ ^2P_{1/2}$	5.7	1.32e+00
Fe IX	2064.5120	$3s^2 3p^5 3d \ ^3P_1 - 3s^2 3p^5 3d \ ^1D_2$	5.9	7.46e+00
Fe VIII *	2065.1340	$3p^5 3d^2 \ (^3F) \ ^4D_{1/2} - 3p^6 4s \ ^2S_{1/2}$	5.7	5.45e+00
Fe II	2072.4709	$3d^7 \ a4p \ ^4P_{5/2} - 3d^6 \ (^3P_2) 4p \ y4d \ ^4D_{7/2}$	4.5	2.99e+01
S III	2072.6931	$3s^2 3p 3d \ ^3F_3 - 3s^2 3p 4p \ ^3D_3$	4.8	7.14e+00
Fe VIII *	2074.4309	$3p^5 3d^2 \ (^3F) \ ^4G_{11/2} - 3p^5 3d^2 \ (^1G) \ ^2H_{9/2}$	5.7	7.58e+00
Al II	2082.1431	$3s 3p \ ^3P_1 - 3p^2 \ ^1D_2$	4.5	6.10e+01
S III	2085.5010	$3s^2 3p 3d \ ^3F_2 - 3s^2 3p 4p \ ^3D_2$	4.8	7.22e+00
Ni XV	2086.1790	$3s^2 3p^2 \ ^3P_1 - 3s^2 3p^2 \ ^1D_2$	6.4	2.89e+01
Al II	2087.5271	$3s 3p \ ^3P_2 - 3p^2 \ ^1D_2$	4.5	1.02e+02
Co XXII	2088.5591	$2s^2 2p^2 \ ^3P_1 - 2s^2 2p^2 \ ^3P_2$	7.1	4.18e+01
Fe II	2089.5029	$3d^7 \ a4p \ ^4P_{5/2} - 3d^6 \ (^3P_2) 4p \ y4p \ ^4P_{3/2}$	4.5	9.75e+00
S III	2089.7849	$3s^2 3p 3d \ ^3F_4 - 3s^2 3p 4p \ ^3D_3$	4.8	8.22e+01
Cr XIX	2091.5730	$2s^2 2p^2 \ ^3P_0 - 2s^2 2p^2 \ ^3P_1$	7.0	7.05e+02
S III	2097.9919	$3s^2 3p 3d \ ^3F_3 - 3s^2 3p 4p \ ^3D_2$	4.8	5.77e+01
Fe II	2098.2180	$3d^7 \ a4p \ ^4P_{3/2} - 3d^6 \ (^3P_2) 4p \ y4p \ ^4P_{3/2}$	4.5	2.84e+00
S III	2098.5120	$3s^2 3p 3d \ ^3F_2 - 3s^2 3p 4p \ ^3D_1$	4.8	4.15e+01
Fe VIII *	2104.7759	$3p^5 3d^2 \ (^3F) \ ^4D_{3/2} - 3p^6 4s \ ^2S_{1/2}$	5.7	5.38e+00
Fe II	2108.4661	$3d^7 \ a4p \ ^4P_{1/2} - 3d^6 \ (^3P_2) 4p \ y4p \ ^4P_{3/2}$	4.5	8.71e+00
Fe II	2111.3970	$3d^7 \ a4p \ ^4P_{3/2} - 3d^6 \ (^3P_2) 4p \ y4p \ ^4P_{1/2}$	4.5	1.02e+01
Ca VII	2111.6465	$3s^2 3p^2 \ ^3P_1 - 3s^2 3p^2 \ ^1S_0$	5.7	1.18e+00
S III	2112.0259	$3s^2 3p^2 \ ^1D_2 - 3s 3p^3 \ ^5S_2$	4.7	1.56e+00
Fe II	2117.6670	$3d^6 \ (^3G) 4s \ a4g \ ^4G_{11/2} - 3d^6 \ (^3D) 4p \ w4fo \ ^4F_{9/2}$	4.5	4.99e+00
Ti XIV	2117.7949	$2s^2 2p^5 \ ^2P_{3/2} - 2s^2 2p^5 \ ^2P_{1/2}$	6.7	5.45e+00
Fe II	2121.7739	$3d^7 \ a4p \ ^4P_{1/2} - 3d^6 \ (^3P_2) 4p \ y4p \ ^4P_{1/2}$	4.5	2.00e+00
Ni XIII	2126.1750	$3s^2 3p^4 \ ^3P_2 - 3s^2 3p^4 \ ^1D_2$	6.3	2.21e+01
Fe II	2130.9309	$3d^7 \ a4p \ ^4P_{5/2} - 3d^6 \ (^3P_2) 4p \ y4p \ ^4P_{5/2}$	4.5	2.24e+01
N II	2139.6870	$2s^2 2p^2 \ ^3P_1 - 2s 2p^3 \ ^5S_2$	4.6	3.65e+02

Table 1: (continued)

Ion	λ (Å)	Transition	T_{\max}	Int
Fe II	2139.9951	$3d^7 a4p^4 P_{3/2} - 3d^6 (^3P_2) 4p y4p^4 P_{5/2}$	4.5	9.43e+00
N II	2143.4519	$2s^2 2p^2 ^3P_2 - 2s 2p^3 ^5S_2$	4.6	9.00e+02
Fe VII	2143.7061	$3p^6 3d^2 ^3P_1 - 3p^6 3d^2 ^1S_0$	5.4	1.22e+00
Si VII	2147.4014	$2s^2 2p^4 ^3P_2 - 2s^2 2p^4 ^1D_2$	5.8	4.70e+01
Fe II	2148.3840	$3d^6 (^3G) 4s a4g^4 G_{9/2} - 3d^6 (^3D) 4p w4fo^4 F_{7/2}$	4.5	3.30e+00
Ni XI	2149.8481	$3s^2 3p^5 3d ^3P_2 - 3s^2 3p^5 3d ^3D_3$	6.2	5.46e+00
Si IX	2149.9871	$2s^2 2p^2 ^3P_2 - 2s^2 2p^2 ^1D_2$	6.1	5.92e+01
Ne III	2150.6011	$2s^2 2p^3 (^2D) 3p ^3D_2 - 2s^2 2p^3 (^2D) 3d ^3F_3$	5.1	2.62e+00
Ne III	2151.3811	$2s^2 2p^3 (^2D) 3p ^3D_3 - 2s^2 2p^3 (^2D) 3d ^3F_4$	5.1	3.88e+00
Ne III	2151.9409	$2s^2 2p^3 (^2D) 3p ^3D_1 - 2s^2 2p^3 (^2D) 3d ^3F_2$	5.1	1.70e+00
S X	2157.0825	$2s^2 2p^3 ^2D_{3/2} - 2s^2 2p^3 ^2P_{3/2}$	6.2	1.47e+01
Ne III *	2157.6050	$2s^2 2p^3 (^4S) 3p ^5P_1 - 2s^2 2p^3 (^4S) 3d ^5D_2$	5.1	2.57e+00
Ne III *	2157.6931	$2s^2 2p^3 (^4S) 3p ^5P_1 - 2s^2 2p^3 (^4S) 3d ^5D_1$	5.1	3.30e+00
Ne III *	2157.7380	$2s^2 2p^3 (^4S) 3p ^5P_1 - 2s^2 2p^3 (^4S) 3d ^5D_0$	5.1	1.80e+00
Ne III *	2158.8960	$2s^2 2p^3 (^4S) 3p ^5P_2 - 2s^2 2p^3 (^4S) 3d ^5D_3$	5.1	5.77e+00
Ne III *	2159.0259	$2s^2 2p^3 (^4S) 3p ^5P_2 - 2s^2 2p^3 (^4S) 3d ^5D_2$	5.1	4.28e+00
Ne III *	2159.1140	$2s^2 2p^3 (^4S) 3p ^5P_2 - 2s^2 2p^3 (^4S) 3d ^5D_1$	5.1	1.10e+00
Ne III *	2160.8770	$2s^2 2p^3 (^4S) 3p ^5P_3 - 2s^2 2p^3 (^4S) 3d ^5D_4$	5.1	1.08e+01
Ne III *	2161.0491	$2s^2 2p^3 (^4S) 3p ^5P_3 - 2s^2 2p^3 (^4S) 3d ^5D_3$	5.1	2.88e+00
Fe II	2161.8440	$3d^6 (^3G) 4s a4g^4 G_{7/2} - 3d^6 (^3D) 4p w4fo^4 F_{5/2}$	4.5	2.47e+00
Fe XI *	2163.0549	$3s^2 3p^3 (^4S) 3d ^5D_4 - 3s^2 3p^3 (^2D) 3d ^3F_4$	6.2	5.65e+00
Fe II	2165.0200	$3d^7 a4p^4 P_{5/2} - 3d^6 (^3P_2) 4p z4s^4 S_{3/2}$	4.5	1.90e+01
Fe II	2168.5630	$3d^6 (^3G) 4s a4g^4 G_{5/2} - 3d^6 (^3D) 4p w4fo^4 F_{3/2}$	4.5	1.85e+00
Fe XII	2169.7620	$3s^2 3p^3 ^4S_{3/2} - 3s^2 3p^3 ^2D_{5/2}$	6.2	2.06e+01
Fe II	2174.3770	$3d^7 a4p^4 P_{3/2} - 3d^6 (^3P_2) 4p z4s^4 S_{3/2}$	4.5	1.25e+01
S III	2174.4231	$3s^2 3p 4p ^1P_1 - 3s^2 3p 4d ^1P_1$	4.8	1.37e+01
Ne III	2174.9951	$2s^2 2p^3 (^2D) 3s ^3D_3 - 2s^2 2p^3 (^2D) 3p ^1D_2$	5.1	1.78e+01
Ne III	2176.3750	$2s^2 2p^3 (^2D) 3s ^3D_2 - 2s^2 2p^3 (^2D) 3p ^1D_2$	5.1	3.24e+00
Ne III	2178.3921	$2s^2 2p^3 (^2D) 3s ^3D_2 - 2s^2 2p^3 (^2D) 3p ^3P_1$	5.1	9.21e+00
Ne III	2179.3540	$2s^2 2p^3 (^2D) 3s ^3D_1 - 2s^2 2p^3 (^2D) 3p ^3P_1$	5.1	3.12e+00
Fe X	2180.6919	$3s^2 3p^4 (^1D) 3d ^2D_{5/2} - 3s^2 3p^4 (^1D) 3d ^2F_{7/2}$	6.1	1.12e+00
Fe VI	2181.7910	$3d^3 ^2P_{3/2} - 3d^3 (b) ^2D_{3/2}$	5.2	1.05e+00
Fe VIII *	2182.8821	$3p^5 3d^2 (^3F) ^4G_{11/2} - 3p^5 3d^2 (^3F) ^2G_{9/2}$	5.7	6.89e+00
Ne III	2183.9189	$2s^2 2p^3 (^2D) 3s ^3D_1 - 2s^2 2p^3 (^2D) 3p ^3P_0$	5.1	4.02e+00
Fe II	2185.3840	$3d^7 a4p^4 P_{1/2} - 3d^6 (^3P_2) 4p z4s^4 S_{3/2}$	4.5	6.11e+00
Ni XIV	2185.7959	$3s^2 3p^3 ^4S_{3/2} - 3s^2 3p^3 ^2D_{3/2}$	6.4	3.72e+01
S III	2200.9651	$3s^2 3p 3d ^3F_2 - 3s^2 3p 4p ^1P_1$	4.8	1.75e+00
Si III	2210.6431	$3p^2 ^3P_2 - 3s 4p ^3P_2$	4.8	1.75e+00
S X	2212.0508	$2s^2 2p^3 ^2D_{5/2} - 2s^2 2p^3 ^2P_{3/2}$	6.2	7.72e+00
Ne III	2212.5100	$2s^2 2p^3 (^2D) 3p ^3F_2 - 2s^2 2p^3 (^2D) 3d ^3G_3$	5.1	2.75e+00
Fe II	2214.3491	$3d^6 (^3H) 4s a4h^4 H_{13/2} - 3d^6 (^3G) 4p y4ho^4 H_{13/2}$	4.5	1.51e+01
Ne III	2214.4270	$2s^2 2p^3 (^2D) 3p ^3F_3 - 2s^2 2p^3 (^2D) 3d ^3G_4$	5.1	3.72e+00
Ne III	2216.7520	$2s^2 2p^3 (^2D) 3p ^3F_4 - 2s^2 2p^3 (^2D) 3d ^3G_5$	5.1	4.74e+00
Ne III *	2218.8220	$2s^2 2p^3 (^2P) 3p ^3D_1 - 2s^2 2p^3 (^2P) 3d ^3F_2$	5.1	1.61e+00
Fe II	2220.5891	$3d^6 (^3H) 4s a4h^4 H_{11/2} - 3d^6 (^3G) 4p y4ho^4 H_{11/2}$	4.5	1.29e+01
Fe II	2221.8630	$3d^6 (^3H) 4s a4h^4 H_{9/2} - 3d^6 (^3G) 4p y4ho^4 H_{9/2}$	4.5	1.05e+01
Ne III *	2222.4519	$2s^2 2p^3 (^2P) 3p ^3D_3 - 2s^2 2p^3 (^2P) 3d ^3F_4$	5.1	3.86e+00
Ne III *	2223.2390	$2s^2 2p^3 (^2P) 3p ^3D_2 - 2s^2 2p^3 (^2P) 3d ^3F_3$	5.1	2.29e+00
Fe II	2224.1831	$3d^6 (^3H) 4s a4h^4 H_{7/2} - 3d^6 (^3G) 4p y4ho^4 H_{7/2}$	4.5	8.88e+00

Table 1: (continued)

Ion	λ (Å)	Transition	T_{\max}	Int
S III	2237.5010	$3s 3p^3 {}^3S_1 - 3s^2 3p 4p {}^1S_0$	4.8	1.83e+00
Co XXI	2243.6150	$2s^2 2p^3 {}^2D_{3/2} - 2s^2 2p^3 {}^2D_{5/2}$	7.1	2.56e+00
S X	2245.6812	$2s^2 2p^3 {}^2D_{3/2} - 2s^2 2p^3 {}^2P_{1/2}$	6.2	7.92e+00
Ne VI	2248.4651	$2s 2p ({}^3P) 3s {}^4P_{3/2} - 2s 2p ({}^3P) 3p {}^4D_{5/2}$	5.7	2.33e+00
Ne VI	2253.9221	$2s 2p ({}^3P) 3s {}^4P_{5/2} - 2s 2p ({}^3P) 3p {}^4D_{7/2}$	5.7	6.83e+00
Ne V	2260.2739	$2s^2 2p 3s {}^3P_1 - 2s^2 2p 3p {}^3D_2$	5.4	3.32e+00
Mg VII	2262.5249	$2s^2 2p^2 {}^1D_2 - 2s^2 2p^2 {}^1S_0$	5.8	1.99e+00
Ne III	2263.9541	$2s^2 2p^3 ({}^2D) 3p {}^3F_4 - 2s^2 2p^3 ({}^2D) 3d {}^3F_4$	5.1	1.53e+00
Ne V	2264.0959	$2s^2 2p 3s {}^3P_0 - 2s^2 2p 3p {}^3D_1$	5.4	1.31e+00
Ne V	2266.3960	$2s^2 2p 3s {}^3P_2 - 2s^2 2p 3p {}^3D_3$	5.4	7.02e+00
S IV	2270.9880	$3p^3 {}^2P_{3/2} - 3s^2 4d {}^2D_{5/2}$	5.1	1.88e+01
S IV	2271.2200	$3p^3 {}^2P_{3/2} - 3s^2 4d {}^2D_{3/2}$	5.1	2.03e+00
C V	2271.4878	$1s 2s {}^3S_1 - 1s 2p {}^3P_2$	5.9	7.67e+01
S IV	2271.7200	$3p^3 {}^2P_{1/2} - 3s^2 4d {}^2D_{3/2}$	5.1	9.87e+00
Ne III *	2272.7810	$2s^2 2p^3 ({}^2D) 3p {}^1F_3 - 2s^2 2p^3 ({}^2D) 3d {}^1G_4$	5.1	3.96e+00
C V	2277.8660	$1s 2s {}^3S_1 - 1s 2p {}^3P_0$	5.9	1.45e+01
C V	2278.5151	$1s 2s {}^3S_1 - 1s 2p {}^3P_1$	5.9	2.88e+01
Ne III *	2288.4651	$2s^2 2p^3 ({}^2P) 3s {}^1P_1 - 2s^2 2p^3 ({}^2P) 3p {}^1D_2$	5.1	1.77e+01
Fe II	2294.4800	$3d^6 ({}^3F_2) 4s 4f {}^4F_{5/2} - 3d^6 ({}^3G) 4p 4f {}^4F_{5/2}$	4.5	2.93e+00
Fe II	2294.5630	$3d^6 ({}^3F_2) 4s 4f {}^4F_{3/2} - 3d^6 ({}^3G) 4p 4f {}^4F_{3/2}$	4.5	2.26e+00
Fe II	2295.3230	$3d^6 ({}^3F_2) 4s 4f {}^4F_{7/2} - 3d^6 ({}^3G) 4p 4f {}^4F_{7/2}$	4.5	4.34e+00
C III	2297.5779	$2s 2p {}^1P_1 - 2p^2 {}^1D_2$	4.8	3.12e+04
Fe XXI	2298.0042	$2s^2 2p^2 {}^3P_1 - 2s^2 2p^2 {}^3P_2$	7.1	3.00e+04
Fe II	2305.4509	$3d^6 ({}^3F_2) 4s 4f {}^4F_{9/2} - 3d^6 ({}^3G) 4p 4f {}^4F_{9/2}$	4.5	6.20e+00
Fe II	2318.0969	$3d^6 ({}^3F_2) 4s 4f {}^4F_{5/2} - 3d^6 ({}^3G) 4p 4f {}^4G_{5/2}$	4.5	1.10e+00
Fe II	2319.0610	$3d^6 ({}^3F_2) 4s 4f {}^4F_{7/2} - 3d^6 ({}^3G) 4p 4f {}^4G_{7/2}$	4.5	1.45e+00
Fe IX	2321.0740	$3s^2 3p^5 3d {}^3P_2 - 3s^2 3p^5 3d {}^1D_2$	5.9	2.53e+00
Fe VI	2321.2830	$3d^3 (a) {}^2D_{3/2} - 3d^3 (b) {}^2D_{5/2}$	5.2	1.29e+00
Ni XIV	2321.2913	$3s^2 3p^3 {}^2D_{5/2} - 3s^2 3p^3 {}^2P_{3/2}$	6.4	1.65e+00
O III	2321.6641	$2s^2 2p^2 {}^3P_1 - 2s^2 2p^2 {}^1S_0$	4.9	3.52e+00
Fe II	2322.4080	$3d^6 ({}^3F_2) 4s 4f {}^4F_{9/2} - 3d^6 ({}^3G) 4p 4f {}^4G_{9/2}$	4.5	1.11e+00
Fe II	2323.0481	$3d^6 ({}^3F_2) 4s 4f {}^4F_{3/2} - 3d^6 ({}^3G) 4p 4f {}^4G_{5/2}$	4.5	6.74e+00
C II	2324.2180	$2s^2 2p {}^2P_{1/2} - 2s 2p^2 {}^4P_{3/2}$	4.5	3.91e+01
C II	2325.4070	$2s^2 2p {}^2P_{1/2} - 2s 2p^2 {}^4P_{1/2}$	4.5	6.29e+02
Fe II	2326.0200	$3d^6 ({}^3F_2) 4s 4f {}^4F_{5/2} - 3d^6 ({}^3G) 4p 4f {}^4G_{7/2}$	4.5	9.06e+00
C II	2326.1169	$2s^2 2p {}^2P_{3/2} - 2s 2p^2 {}^4P_{5/2}$	4.5	1.48e+03
C II	2327.6489	$2s^2 2p {}^2P_{3/2} - 2s 2p^2 {}^4P_{3/2}$	4.5	1.20e+02
Fe II	2328.1150	$3d^6 ({}^5D) 4s 4f {}^6D_{5/2} - 3d^6 ({}^5D) 4p 4f {}^6P_{3/2}$	4.5	6.73e+01
Fe II	2328.6809	$3d^6 ({}^3F_2) 4s 4f {}^4F_{9/2} - 3d^6 ({}^3G) 4p 4f {}^4G_{11/2}$	4.5	1.54e+01
C II	2328.8420	$2s^2 2p {}^2P_{3/2} - 2s 2p^2 {}^4P_{1/2}$	4.5	7.44e+02
Si II	2329.2371	$3s^2 3p {}^2P_{1/2} - 3s 3p^2 {}^4P_{3/2}$	4.5	3.88e+00
Fe II	2331.7849	$3d^6 ({}^3F_2) 4s 4f {}^4F_{7/2} - 3d^6 ({}^3G) 4p 4f {}^4G_{9/2}$	4.5	1.20e+01
Fe II	2332.0271	$3d^7 4f {}^4F_{9/2} - 3d^6 ({}^5D) 4p 4f {}^4F_{7/2}$	4.5	1.19e+01
Fe II	2333.5200	$3d^6 ({}^5D) 4s 4f {}^6D_{7/2} - 3d^6 ({}^5D) 4p 4f {}^6P_{5/2}$	4.5	1.91e+02
Si II	2335.1270	$3s^2 3p {}^2P_{1/2} - 3s 3p^2 {}^4P_{1/2}$	4.5	5.94e+02
Si II	2335.3230	$3s^2 3p {}^2P_{3/2} - 3s 3p^2 {}^4P_{5/2}$	4.5	1.05e+03
Fe II	2338.7290	$3d^6 ({}^5D) 4s 4f {}^6D_{3/2} - 3d^6 ({}^5D) 4p 4f {}^6P_{3/2}$	4.5	9.91e+01
Fe II	2344.2180	$3d^6 ({}^5D) 4s 4f {}^6D_{9/2} - 3d^6 ({}^5D) 4p 4f {}^6P_{7/2}$	4.5	3.83e+02
Fe II	2344.6819	$3d^7 4f {}^4F_{7/2} - 3d^6 ({}^5D) 4p 4f {}^4F_{5/2}$	4.5	1.46e+01

Table 1: (continued)

Ion	λ (Å)	Transition	T_{\max}	Int
Si II	2344.9231	$3s^2 3p^2 P_{3/2} - 3s 3p^2 ^4P_{3/2}$	4.5	4.73e+02
Fe II	2345.0049	$3d^6 (^5D) 4s a6d ^6D_{1/2} - 3d^6 (^5D) 4p z6po ^6P_{3/2}$	4.5	7.00e+01
Ti XIX	2345.2200	$2s 2p ^3P_1 - 2s 2p ^3P_2$	6.9	4.29e+00
Fe II	2346.0610	$3d^6 (^3H) 4s a4h ^4H_{13/2} - 3d^6 (^3F2) 4p y4g ^4G_{11/2}$	4.5	3.72e+01
Fe II	2348.8379	$3d^7 a4f ^4F_{9/2} - 3d^6 (^5D) 4p z4do ^4D_{7/2}$	4.5	2.78e+02
Fe II	2349.0271	$3d^6 (^5D) 4s a6d ^6D_{5/2} - 3d^6 (^5D) 4p z6po ^6P_{5/2}$	4.5	1.33e+02
Si VII	2350.7329	$2s^2 2p^4 ^3P_1 - 2s^2 2p^4 ^1D_2$	5.8	1.09e+01
Si II	2350.8931	$3s^2 3p^2 P_{3/2} - 3s 3p^2 ^4P_{1/2}$	4.5	3.89e+02
Fe II	2351.9260	$3d^6 (^3H) 4s a4h ^4H_{11/2} - 3d^6 (^3F2) 4p y4g ^4G_{9/2}$	4.5	2.99e+01
Fe II	2355.2041	$3d^6 (^3H) 4s a4h ^4H_{9/2} - 3d^6 (^3F2) 4p y4g ^4G_{7/2}$	4.5	2.43e+01
Fe II	2355.6140	$3d^7 a4f ^4F_{5/2} - 3d^6 (^5D) 4p z4fo ^4F_{3/2}$	4.5	1.05e+01
Fe II	2355.9409	$3d^6 (^3H) 4s a4h ^4H_{11/2} - 3d^6 (^3F2) 4p y4g ^4G_{11/2}$	4.5	1.71e+00
Fe II	2359.8320	$3d^6 (^5D) 4s a6d ^6D_{3/2} - 3d^6 (^5D) 4p z6po ^6P_{5/2}$	4.5	4.28e+01
Fe II	2359.8579	$3d^6 (^3H) 4s a4h ^4H_{7/2} - 3d^6 (^3F2) 4p y4g ^4G_{5/2}$	4.5	1.94e+01
Fe II	2360.3240	$3d^6 (^3H) 4s a4h ^4H_{9/2} - 3d^6 (^3F2) 4p y4g ^4G_{9/2}$	4.5	2.26e+00
Fe II	2360.7251	$3d^7 a4f ^4F_{9/2} - 3d^6 (^5D) 4p z4fo ^4F_{9/2}$	4.5	3.51e+01
Fe II	2361.0200	$3d^7 a4f ^4F_{7/2} - 3d^6 (^5D) 4p z4do ^4D_{5/2}$	4.5	1.72e+02
Fe II	2362.4529	$3d^6 (^3H) 4s a4h ^4H_{7/2} - 3d^6 (^3F2) 4p y4g ^4G_{7/2}$	4.5	1.73e+00
Fe II	2362.7471	$3d^7 a4f ^4F_{7/2} - 3d^6 (^5D) 4p z4fo ^4F_{7/2}$	4.5	8.33e+01
Al VIII	2363.5120	$2p^2 ^3P_2 - 2p^2 ^1D_2$	5.9	2.04e+00
Fe II	2365.5559	$3d^6 (^5D) 4s a6d ^6D_{7/2} - 3d^6 (^5D) 4p z6po ^6P_{7/2}$	4.5	1.06e+02
Fe II	2367.3210	$3d^7 a4f ^4F_{5/2} - 3d^6 (^5D) 4p z4fo ^4F_{5/2}$	4.5	5.40e+01
Fe II	2367.5950	$3d^6 (^5D) 4s a6d ^6D_{9/2} - 3d^6 (^5D) 4p z6fo ^6F_{7/2}$	4.5	1.09e+01
Fe II	2369.3230	$3d^7 a4f ^4F_{5/2} - 3d^6 (^5D) 4p z4do ^4D_{3/2}$	4.5	1.08e+02
Fe II	2371.2271	$3d^7 a4f ^4F_{3/2} - 3d^6 (^5D) 4p z4fo ^4F_{3/2}$	4.5	4.10e+01
Fe II	2373.5190	$3d^6 (^3P2) 4s b4p ^4P_{5/2} - 3d^6 (^3P2) 4p y4d ^4D_{3/2}$	4.5	2.01e+00
Fe II	2374.4661	$3d^6 (^5D) 4s a6d ^6D_{9/2} - 3d^6 (^5D) 4p z6fo ^6F_{9/2}$	4.5	1.34e+02
Fe II	2375.9231	$3d^7 a4f ^4F_{3/2} - 3d^6 (^5D) 4p z4do ^4D_{1/2}$	4.5	6.59e+01
Fe II	2380.0061	$3d^7 a4f ^4F_{7/2} - 3d^6 (^5D) 4p z4do ^4D_{7/2}$	4.5	3.00e+01
Fe II	2381.4929	$3d^6 (^5D) 4s a6d ^6D_{5/2} - 3d^6 (^5D) 4p z6po ^6P_{7/2}$	4.5	1.72e+01
Fe II	2382.7700	$3d^6 (^5D) 4s a6d ^6D_{9/2} - 3d^6 (^5D) 4p z6fo ^6F_{11/2}$	4.5	8.38e+02
Fe II	2383.0891	$3d^7 a4f ^4F_{3/2} - 3d^6 (^5D) 4p z4fo ^4F_{5/2}$	4.5	1.02e+01
Fe II	2383.7930	$3d^6 (^5D) 4s a6d ^6D_{7/2} - 3d^6 (^5D) 4p z6fo ^6F_{5/2}$	4.5	2.46e+01
Fe II	2383.9761	$3d^7 a4f ^4F_{5/2} - 3d^6 (^5D) 4p z4do ^4D_{5/2}$	4.5	3.52e+01
Fe IX	2384.1880	$3s^2 3p^5 3d ^3P_2 - 3s^2 3p^5 3d ^3D_3$	5.9	2.85e+01
Fe II	2385.1189	$3d^7 a4f ^4F_{3/2} - 3d^6 (^5D) 4p z4do ^4D_{3/2}$	4.5	2.63e+01
Fe II	2385.7371	$3d^7 a4f ^4F_{5/2} - 3d^6 (^5D) 4p z4fo ^4F_{7/2}$	4.5	1.41e+01
S IV	2387.7119	$3s^2 4p ^2P_{1/2} - 3s^2 4d ^2D_{3/2}$	5.1	2.81e+01
Fe II	2388.9600	$3d^6 (^3P2) 4s b4p ^4P_{5/2} - 3d^6 (^3P2) 4p y4d ^4D_{5/2}$	4.5	1.86e+01
Fe II	2389.3630	$3d^6 (^5D) 4s a6d ^6D_{7/2} - 3d^6 (^5D) 4p z6fo ^6F_{7/2}$	4.5	1.94e+02
O III	2391.1609	$2s^2 2p 3p ^1P_1 - 2s^2 2p 3d ^1P_1$	5.1	2.81e+00
Fe II	2392.2109	$3d^7 a4f ^4F_{7/2} - 3d^6 (^5D) 4p z4fo ^4F_{9/2}$	4.5	3.01e+00
Fe II	2396.1541	$3d^6 (^5D) 4s a6d ^6D_{5/2} - 3d^6 (^5D) 4p z6fo ^6F_{3/2}$	4.5	3.38e+01
Fe II	2396.3601	$3d^6 (^5D) 4s a6d ^6D_{7/2} - 3d^6 (^5D) 4p z6fo ^6F_{9/2}$	4.5	5.69e+02
S IV	2399.5200	$3s^2 4p ^2P_{3/2} - 3s^2 4d ^2D_{5/2}$	5.1	5.09e+01
S IV	2399.7791	$3s^2 4p ^2P_{3/2} - 3s^2 4d ^2D_{3/2}$	5.1	5.50e+00
Fe II	2399.9680	$3d^7 a4f ^4F_{3/2} - 3d^6 (^5D) 4p z4do ^4D_{5/2}$	4.5	1.88e+00
Fe II	2399.9771	$3d^6 (^5D) 4s a6d ^6D_{5/2} - 3d^6 (^5D) 4p z6fo ^6F_{5/2}$	4.5	1.95e+02
Ni XII	2400.3879	$3s^2 3p^4 (^3P) 3d ^4F_{9/2} - 3s^2 3p^4 (^1D) 3d ^2G_{9/2}$	6.3	1.57e+00

Table 1: (continued)

Ion	λ (Å)	Transition	T_{\max}	Int
Fe II	2403.3350	$3d^7 a4f^4 F_{5/2} - 3d^6 (^3D) 4p z4do^4 D_{7/2}$	4.5	1.47e+00
Fe II	2405.1680	$3d^6 (^5D) 4s a6d^6 D_{3/2} - 3d^6 (^5D) 4p z6fo^6 F_{1/2}$	4.5	3.02e+01
Fe II	2405.6230	$3d^6 (^5D) 4s a6d^6 D_{5/2} - 3d^6 (^5D) 4p z6fo^6 F_{7/2}$	4.5	3.58e+02
Fe XII	2406.4141	$3s^2 3p^3 ^4 S_{3/2} - 3s^2 3p^3 ^2 D_{3/2}$	6.2	1.85e+02
Fe II	2407.3989	$3d^6 (^5D) 4s a6d^6 D_{3/2} - 3d^6 (^5D) 4p z6fo^6 F_{3/2}$	4.5	1.57e+02
Fe II	2411.2581	$3d^6 (^5D) 4s a6d^6 D_{3/2} - 3d^6 (^5D) 4p z6fo^6 F_{5/2}$	4.5	1.98e+02
Fe II	2411.8069	$3d^6 (^5D) 4s a6d^6 D_{1/2} - 3d^6 (^5D) 4p z6fo^6 F_{1/2}$	4.5	1.05e+02
Ca V	2413.6050	$3s^2 3p^4 ^3 P_1 - 3s^2 3p^4 ^1 S_0$	5.4	1.09e+00
Fe II	2414.0500	$3d^6 (^5D) 4s a6d^6 D_{1/2} - 3d^6 (^5D) 4p z6fo^6 F_{3/2}$	4.5	8.47e+01
Mg V	2417.6780	$2s^2 2p^4 ^1 D_2 - 2s^2 2p^4 ^1 S_0$	5.4	2.72e+00
Fe II	2420.6331	$3d^6 (^3F_2) 4s b4f^4 F_{9/2} - 3d^6 (^3F_2) 4p y4g^4 G_{9/2}$	4.5	8.81e+00
Fe II	2423.4280	$3d^6 (^3D) 4s b4d^4 D_{5/2} - 3d^6 (^3D) 4p w4do^4 D_{7/2}$	4.5	7.08e+00
Fe II	2423.9500	$3d^6 (^3D) 4s b4d^4 D_{3/2} - 3d^6 (^3D) 4p w4do^4 D_{5/2}$	4.5	8.92e+00
Fe II	2424.8870	$3d^6 (^3F_2) 4s b4f^4 F_{9/2} - 3d^6 (^3F_2) 4p y4g^4 G_{11/2}$	4.5	1.26e+02
Fe II	2425.3320	$3d^6 (^3D) 4s b4d^4 D_{5/2} - 3d^6 (^3D) 4p w4do^4 D_{5/2}$	4.5	2.19e+01
Fe II	2425.3921	$3d^6 (^3F_2) 4s b4f^4 F_{7/2} - 3d^6 (^3F_2) 4p y4g^4 G_{7/2}$	4.5	1.16e+01
Fe II	2429.0339	$3d^6 (^3D) 4s b4d^4 D_{7/2} - 3d^6 (^3D) 4p w4do^4 D_{7/2}$	4.5	4.22e+01
Fe II	2429.1060	$3d^6 (^3D) 4s b4d^4 D_{7/2} - 3d^6 (^3D) 4p w4fo^4 F_{9/2}$	4.5	8.84e+01
Fe II	2429.5400	$3d^6 (^3D) 4s b4d^4 D_{3/2} - 3d^6 (^3D) 4p w4do^4 D_{3/2}$	4.5	1.03e+01
Fe II	2429.7771	$3d^6 (^3D) 4s b4d^4 D_{1/2} - 3d^6 (^3D) 4p w4do^4 D_{3/2}$	4.5	6.41e+00
Fe II	2430.1289	$3d^6 (^3P_2) 4s b4p^4 P_{3/2} - 3d^6 (^3P_2) 4p y4d^4 D_{3/2}$	4.5	1.95e+01
Fe II	2430.2520	$3d^6 (^3F_2) 4s b4f^4 F_{5/2} - 3d^6 (^3F_2) 4p y4g^4 G_{5/2}$	4.5	8.79e+00
Al VI	2430.3110	$2p^4 ^3 P_2 - 2p^4 ^1 D_2$	5.7	1.71e+00
Fe II	2430.8220	$3d^6 (^3F_2) 4s b4f^4 F_{7/2} - 3d^6 (^3F_2) 4p y4g^4 G_{9/2}$	4.5	9.57e+01
Fe II	2430.9290	$3d^6 (^3D) 4s b4d^4 D_{5/2} - 3d^6 (^3D) 4p w4do^4 D_{3/2}$	4.5	8.96e+00
Fe II	2430.9470	$3d^6 (^3D) 4s b4d^4 D_{7/2} - 3d^6 (^3D) 4p w4do^4 D_{5/2}$	4.5	7.18e+00
Fe II	2433.0039	$3d^6 (^3F_2) 4s b4f^4 F_{5/2} - 3d^6 (^3F_2) 4p y4g^4 G_{7/2}$	4.5	7.29e+01
Fe II	2435.1521	$3d^6 (^3D) 4s b4d^4 D_{3/2} - 3d^6 (^3D) 4p w4do^4 D_{1/2}$	4.5	6.50e+00
Fe II	2435.3899	$3d^6 (^3D) 4s b4d^4 D_{1/2} - 3d^6 (^3D) 4p w4do^4 D_{1/2}$	4.5	6.50e+00
Fe II	2435.6951	$3d^6 (^3F_2) 4s b4f^4 F_{3/2} - 3d^6 (^3F_2) 4p y4g^4 G_{5/2}$	4.5	5.41e+01
Fe II	2436.9629	$3d^6 (^3G) 4s a4g^4 G_{11/2} - 3d^6 (^3G) 4p y4ho^4 H_{11/2}$	4.5	8.04e+00
Fe II	2438.0171	$3d^6 (^3P_2) 4s b4p^4 P_{3/2} - 3d^6 (^3P_2) 4p y4d^4 D_{1/2}$	4.5	3.29e+00
Fe II	2440.0459	$3d^6 (^3G) 4s a4g^4 G_{11/2} - 3d^6 (^3G) 4p y4ho^4 H_{13/2}$	4.5	1.57e+02
Fe II	2441.1680	$3d^6 (^3D) 4s b4d^4 D_{5/2} - 3d^6 (^3D) 4p w4fo^4 F_{7/2}$	4.5	5.44e+01
Fe II	2445.2610	$3d^6 (^3P_2) 4s b4p^4 P_{5/2} - 3d^6 (^3P_2) 4p y4d^4 D_{7/2}$	4.5	7.37e+01
Fe II	2446.3191	$3d^6 (^3P_2) 4s b4p^4 P_{3/2} - 3d^6 (^3P_2) 4p y4d^4 D_{5/2}$	4.5	3.94e+01
Fe II	2446.5430	$3d^6 (^3D) 4s b4d^4 D_{3/2} - 3d^6 (^3D) 4p w4fo^4 F_{5/2}$	4.5	3.61e+01
Fe II	2446.8560	$3d^6 (^3D) 4s b4d^4 D_{7/2} - 3d^6 (^3D) 4p w4fo^4 F_{7/2}$	4.5	8.96e+00
Fe II	2447.9509	$3d^6 (^3D) 4s b4d^4 D_{5/2} - 3d^6 (^3D) 4p w4fo^4 F_{5/2}$	4.5	1.17e+01
Fe II	2448.0730	$3d^6 (^3D) 4s b4d^4 D_{3/2} - 3d^6 (^3D) 4p w4po^4 P_{1/2}$	4.5	6.72e+00
Fe II	2448.3130	$3d^6 (^3D) 4s b4d^4 D_{1/2} - 3d^6 (^3D) 4p w4po^4 P_{1/2}$	4.5	6.72e+00
Fe II	2450.7109	$3d^6 (^3D) 4s b4d^4 D_{3/2} - 3d^6 (^3D) 4p w4fo^4 F_{3/2}$	4.5	9.09e+00
Fe II	2450.9519	$3d^6 (^3D) 4s b4d^4 D_{1/2} - 3d^6 (^3D) 4p w4fo^4 F_{3/2}$	4.5	2.27e+01
Fe II	2451.9661	$3d^6 (^3G) 4s a4g^4 G_{9/2} - 3d^6 (^3G) 4p y4ho^4 H_{9/2}$	4.5	1.03e+01
O III	2455.7090	$2s^2 2p 3s ^1 P_1 - 2s^2 2p 3p ^1 S_0$	5.0	1.07e+02
Fe II	2457.5681	$3d^6 (^3G) 4s a4g^4 G_{7/2} - 3d^6 (^3G) 4p y4ho^4 H_{7/2}$	4.5	7.72e+00
Fe II	2458.3000	$3d^6 (^3D) 4s b4d^4 D_{3/2} - 3d^6 (^3D) 4p w4po^4 P_{3/2}$	4.5	8.58e+00
Fe II	2458.5430	$3d^6 (^3D) 4s b4d^4 D_{1/2} - 3d^6 (^3D) 4p w4po^4 P_{3/2}$	4.5	1.34e+00
Fe II	2459.5330	$3d^6 (^3G) 4s a4g^4 G_{9/2} - 3d^6 (^3G) 4p y4ho^4 H_{11/2}$	4.5	1.34e+02

Table 1: (continued)

Ion	λ (Å)	Transition	T_{\max}	Int
Fe II	2459.7219	$3d^6$ (3D) $4s\ b4d\ ^4D_{5/2}$ - $3d^6$ (3D) $4p\ w4po\ ^4P_{3/2}$	4.5	1.69e+01
Fe II	2462.0330	$3d^6$ (3G) $4s\ a4g\ ^4G_{5/2}$ - $3d^6$ (3G) $4p\ y4ho\ ^4H_{7/2}$	4.5	8.57e+01
Fe II	2462.6111	$3d^6$ (3G) $4s\ a4g\ ^4G_{7/2}$ - $3d^6$ (3G) $4p\ y4ho\ ^4H_{9/2}$	4.5	1.07e+02
Fe II	2464.0320	$3d^6$ (3G) $4s\ a4g\ ^4G_{11/2}$ - $3d^6$ (3G) $4p\ x4fo\ ^4F_{9/2}$	4.5	5.83e+01
Fe II	2464.4690	$3d^6$ (3D) $4s\ b4d\ ^4D_{5/2}$ - $3d^6$ (3D) $4p\ w4po\ ^4P_{5/2}$	4.5	7.11e+00
Fe II	2464.7610	$3d^6$ (3G) $4s\ a4g\ ^4G_{9/2}$ - $3d^6$ (3G) $4p\ x4fo\ ^4F_{7/2}$	4.5	4.59e+01
Fe II	2465.6560	$3d^6$ (3G) $4s\ a4g\ ^4G_{5/2}$ - $3d^6$ (3G) $4p\ x4fo\ ^4F_{3/2}$	4.5	2.55e+01
Fe II	2465.9529	$3d^6$ (3P2) $4s\ b4p\ ^4P_{1/2}$ - $3d^6$ (3P2) $4p\ y4d\ ^4D_{3/2}$	4.5	1.44e+01
Fe II	2466.6631	$3d^6$ (3G) $4s\ a4g\ ^4G_{7/2}$ - $3d^6$ (3G) $4p\ x4fo\ ^4F_{5/2}$	4.5	3.43e+01
Fe II	2467.4231	$3d^6$ (3F2) $4s\ b4f\ ^4F_{3/2}$ - $3d^6$ (3F2) $4p\ x4d\ ^4D_{1/2}$	4.5	2.94e+01
Fe II	2467.5720	$3d^6$ (3F2) $4s\ b4f\ ^4F_{5/2}$ - $3d^6$ (3F2) $4p\ x4d\ ^4D_{3/2}$	4.5	4.06e+01
Fe II	2469.0071	$3d^6$ (3P2) $4s\ b4p\ ^4P_{5/2}$ - $3d^6$ (3P2) $4p\ y4p\ ^4P_{3/2}$	4.5	2.20e+01
Fe II	2470.2671	$3d^6$ (3D) $4s\ b4d\ ^4D_{7/2}$ - $3d^6$ (3D) $4p\ w4po\ ^4P_{5/2}$	4.5	3.13e+01
O II	2470.9709	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^3\ ^2P_{1/2}$	4.6	1.06e+00
O II	2471.0920	$2s^2\ 2p^3\ ^4S_{3/2}$ - $2s^2\ 2p^3\ ^2P_{3/2}$	4.6	5.17e+00
Fe II	2471.1609	$3d^6$ (3G) $4s\ a4g\ ^4G_{5/2}$ - $3d^6$ (3G) $4p\ x4fo\ ^4F_{5/2}$	4.5	4.09e+00
Fe II	2471.4221	$3d^6$ (3F2) $4s\ b4f\ ^4F_{7/2}$ - $3d^6$ (3F2) $4p\ x4d\ ^4D_{5/2}$	4.5	6.03e+01
Fe II	2473.1819	$3d^6$ (3F2) $4s\ b4f\ ^4F_{3/2}$ - $3d^6$ (3F2) $4p\ x4d\ ^4D_{3/2}$	4.5	1.00e+01
Fe II	2474.0750	$3d^6$ (3P2) $4s\ b4p\ ^4P_{1/2}$ - $3d^6$ (3P2) $4p\ y4d\ ^4D_{1/2}$	4.5	1.55e+01
Fe II	2475.5190	$3d^6$ (3G) $4s\ a4g\ ^4G_{7/2}$ - $3d^6$ (3G) $4p\ x4fo\ ^4F_{7/2}$	4.5	5.34e+00
Fe II	2479.3259	$3d^6$ (3F2) $4s\ b4f\ ^4F_{5/2}$ - $3d^6$ (3F2) $4p\ x4d\ ^4D_{5/2}$	4.5	1.27e+01
Fe II	2480.9121	$3d^6$ (3F2) $4s\ b4f\ ^4F_{9/2}$ - $3d^6$ (3F2) $4p\ x4d\ ^4D_{7/2}$	4.5	9.16e+01
Fe II	2482.8721	$3d^6$ (3H) $4s\ a4h\ ^4H_{13/2}$ - $3d^6$ (3H) $4p\ z4io\ ^4I_{13/2}$	4.5	9.89e+00
Fe II	2483.4121	$3d^6$ (3G) $4s\ a4g\ ^4G_{11/2}$ - $3d^6$ (3G) $4p\ x4go\ ^4G_{9/2}$	4.5	6.24e+00
Fe II	2487.1079	$3d^6$ (3G) $4s\ a4g\ ^4G_{9/2}$ - $3d^6$ (3G) $4p\ x4fo\ ^4F_{9/2}$	4.5	3.88e+00
Fe II	2490.2400	$3d^6$ (3H) $4s\ a4h\ ^4H_{11/2}$ - $3d^6$ (3H) $4p\ z4io\ ^4I_{11/2}$	4.5	1.43e+01
Fe II	2490.5869	$3d^6$ (3G) $4s\ a4g\ ^4G_{11/2}$ - $3d^6$ (3G) $4p\ x4go\ ^4G_{11/2}$	4.5	1.04e+02
S III	2491.2419	$3s\ 3p^3\ ^1P_1$ - $3s^2\ 3p\ 4p\ ^1D_2$	4.8	1.15e+01
Fe II	2491.6150	$3d^6$ (3F2) $4s\ b4f\ ^4F_{7/2}$ - $3d^6$ (3F2) $4p\ x4d\ ^4D_{7/2}$	4.5	1.03e+01
Fe II	2492.1541	$3d^6$ (3G) $4s\ a4g\ ^4G_{9/2}$ - $3d^6$ (3G) $4p\ x4go\ ^4G_{7/2}$	4.5	7.96e+00
Fe II	2493.9409	$3d^6$ (3H) $4s\ a4h\ ^4H_{11/2}$ - $3d^6$ (3H) $4p\ z4io\ ^4I_{13/2}$	4.5	2.44e+02
Fe II	2493.9790	$3d^6$ (3G) $4s\ a4g\ ^4G_{7/2}$ - $3d^6$ (3G) $4p\ x4go\ ^4G_{5/2}$	4.5	5.92e+00
Fe II	2494.0190	$3d^6$ (3H) $4s\ a4h\ ^4H_{13/2}$ - $3d^6$ (3H) $4p\ z4io\ ^4I_{15/2}$	4.5	2.45e+02
Fe II	2498.5779	$3d^6$ (3G) $4s\ a4g\ ^4G_{5/2}$ - $3d^6$ (3G) $4p\ x4go\ ^4G_{5/2}$	4.5	4.89e+01
Fe IX	2498.8379	$3s^2\ 3p^5\ 3d\ ^3F_4$ - $3s^2\ 3p^5\ 3d\ ^1F_3$	5.9	1.19e+02
Fe II	2499.6560	$3d^6$ (3H) $4s\ a4h\ ^4H_{9/2}$ - $3d^6$ (3H) $4p\ z4io\ ^4I_{11/2}$	4.5	2.23e+02
Fe II	2503.1521	$3d^6$ (3G) $4s\ a4g\ ^4G_{7/2}$ - $3d^6$ (3G) $4p\ x4go\ ^4G_{7/2}$	4.5	5.93e+01
Fe II	2504.3250	$3d^6$ (3H) $4s\ a4h\ ^4H_{9/2}$ - $3d^6$ (3H) $4p\ z4io\ ^4I_{9/2}$	4.5	1.41e+01
Fe II	2506.8540	$3d^6$ (3G) $4s\ a4g\ ^4G_{9/2}$ - $3d^6$ (3G) $4p\ x4go\ ^4G_{9/2}$	4.5	7.75e+01
Fe II	2507.7839	$3d^6$ (3G) $4s\ a4g\ ^4G_{5/2}$ - $3d^6$ (3G) $4p\ x4go\ ^4G_{7/2}$	4.5	5.84e+00
Mg VII	2509.7500	$2s^2\ 2p^2\ ^3P_1$ - $2s^2\ 2p^2\ ^1D_2$	5.8	4.54e+00
C II	2509.8860	$2s\ 2p^2\ ^2P_{1/2}$ - $2p^3\ ^2D_{3/2}$	4.6	2.16e+02
C II	2512.4961	$2s\ 2p^2\ ^2P_{3/2}$ - $2p^3\ ^2D_{3/2}$	4.6	4.25e+01
Fe II	2512.5220	$3d^6$ (3H) $4s\ a4h\ ^4H_{7/2}$ - $3d^6$ (3H) $4p\ z4io\ ^4I_{9/2}$	4.5	1.85e+02
C II	2512.8191	$2s\ 2p^2\ ^2P_{3/2}$ - $2p^3\ ^2D_{5/2}$	4.6	3.87e+02
Fe II	2514.1650	$3d^6$ (3G) $4s\ a4g\ ^4G_{9/2}$ - $3d^6$ (3G) $4p\ x4go\ ^4G_{11/2}$	4.5	5.77e+00
Fe II	2517.9819	$3d^6$ (3G) $4s\ a4g\ ^4G_{7/2}$ - $3d^6$ (3G) $4p\ x4go\ ^4G_{9/2}$	4.5	7.71e+00
Fe II	2522.9641	$3d^6$ (3H) $4s\ a4h\ ^4H_{13/2}$ - $3d^6$ (3H) $4p\ z4ho\ ^4H_{11/2}$	4.5	1.01e+01
Fe II	2526.1531	$3d^6$ (3H) $4s\ a4h\ ^4H_{13/2}$ - $3d^6$ (3H) $4p\ z4ho\ ^4H_{13/2}$	4.5	1.92e+02

Table 1: (continued)

Ion	λ (Å)	Transition	T_{\max}	Int
Fe II	2526.8401	$3d^6$ (3H) 4s a4h $^4H_{9/2}$ - $3d^6$ (3H) 4p z4ho $^4H_{7/2}$	4.5	7.77e+00
Fe II	2527.0591	$3d^6$ (3P2) 4s b4p $^4P_{5/2}$ - $3d^6$ (3P2) 4p y4p $^4P_{5/2}$	4.5	4.99e+01
Fe II	2527.8689	$3d^6$ (3H) 4s a4h $^4H_{11/2}$ - $3d^6$ (3H) 4p z4ho $^4H_{9/2}$	4.5	1.06e+01
Fe II	2530.3110	$3d^6$ (3F2) 4s b4f $^4F_{9/2}$ - $3d^6$ (3F2) 4p y4f $^4F_{9/2}$	4.5	1.11e+02
Fe II	2530.3230	$3d^6$ (3P2) 4s b4p $^4P_{3/2}$ - $3d^6$ (3P2) 4p y4p $^4P_{3/2}$	4.5	5.92e+00
Fe II	2534.3940	$3d^6$ (3H) 4s a4h $^4H_{11/2}$ - $3d^6$ (3H) 4p z4ho $^4H_{11/2}$	4.5	1.98e+02
Fe II	2535.1860	$3d^6$ (3H) 4s a4h $^4H_{7/2}$ - $3d^6$ (3H) 4p z4ho $^4H_{7/2}$	4.5	1.07e+02
Fe II	2536.2529	$3d^6$ (3F2) 4s b4f $^4F_{9/2}$ - $3d^6$ (3F2) 4p y4f $^4F_{7/2}$	4.5	1.03e+01
Fe II	2537.5730	$3d^6$ (3H) 4s a4h $^4H_{9/2}$ - $3d^6$ (3H) 4p z4ho $^4H_{9/2}$	4.5	1.28e+02
Fe II	2537.6111	$3d^6$ (3H) 4s a4h $^4H_{11/2}$ - $3d^6$ (3H) 4p z4ho $^4H_{13/2}$	4.5	7.53e+00
Ni XIV	2539.2996	$3s^2 3p^3$ $^2D_{3/2}$ - $3s^2 3p^3$ $^2P_{1/2}$	6.4	1.16e+00
Fe II	2539.5669	$3d^6$ (3H) 4s a4h $^4H_{11/2}$ - $3d^6$ (3H) 4p z4go $^4G_{9/2}$	4.5	8.16e+01
Fe II	2539.6780	$3d^6$ (3H) 4s a4h $^4H_{9/2}$ - $3d^6$ (3H) 4p z4go $^4G_{7/2}$	4.5	6.86e+01
Fe II	2539.7620	$3d^6$ (3H) 4s a4h $^4H_{13/2}$ - $3d^6$ (3H) 4p z4go $^4G_{11/2}$	4.5	1.01e+02
Fe II	2541.4460	$3d^6$ (3F2) 4s b4f $^4F_{7/2}$ - $3d^6$ (3F2) 4p y4f $^4F_{9/2}$	4.5	9.88e+00
Fe II	2541.8689	$3d^6$ (3F2) 4s b4f $^4F_{7/2}$ - $3d^6$ (3F2) 4p y4f $^4F_{5/2}$	4.5	1.31e+01
Si III	2542.5859	$3s 3p$ 1P_1 - $3p^2$ 1D_2	4.7	2.44e+04
Fe II	2542.6040	$3d^6$ (3H) 4s a4h $^4H_{7/2}$ - $3d^6$ (3H) 4p z4go $^4G_{5/2}$	4.5	6.79e+01
Fe II	2544.1479	$3d^6$ (3H) 4s a4h $^4H_{9/2}$ - $3d^6$ (3H) 4p z4ho $^4H_{11/2}$	4.5	1.29e+01
Fe II	2544.2000	$3d^6$ (3F2) 4s b4f $^4F_{5/2}$ - $3d^6$ (3F2) 4p y4f $^4F_{3/2}$	4.5	9.78e+00
Fe II	2545.9900	$3d^6$ (3H) 4s a4h $^4H_{7/2}$ - $3d^6$ (3H) 4p z4ho $^4H_{9/2}$	4.5	7.76e+00
Ti XV	2546.0239	$2s^2 2p^4$ 3P_2 - $2s^2 2p^4$ 3P_1	6.8	1.14e+01
Fe II	2547.4399	$3d^6$ (3F2) 4s b4f $^4F_{7/2}$ - $3d^6$ (3F2) 4p y4f $^4F_{7/2}$	4.5	7.44e+01
Fe II	2548.1089	$3d^6$ (3H) 4s a4h $^4H_{7/2}$ - $3d^6$ (3H) 4p z4go $^4G_{7/2}$	4.5	4.87e+00
Fe II	2549.3611	$3d^6$ (3H) 4s a4h $^4H_{9/2}$ - $3d^6$ (3H) 4p z4go $^4G_{9/2}$	4.5	6.14e+00
Fe II	2549.5139	$3d^6$ (3P2) 4s b4p $^4P_{3/2}$ - $3d^6$ (3P2) 4p y4p $^4P_{1/2}$	4.5	2.11e+01
Fe II	2550.1650	$3d^6$ (3F2) 4s b4f $^4F_{3/2}$ - $3d^6$ (3F2) 4p y4f $^4F_{3/2}$	4.5	3.87e+01
Fe II	2550.2310	$3d^6$ (3F2) 4s b4f $^4F_{5/2}$ - $3d^6$ (3F2) 4p y4f $^4F_{5/2}$	4.5	4.98e+01
Fe II	2551.3450	$3d^6$ (3H) 4s a4h $^4H_{11/2}$ - $3d^6$ (3H) 4p z4go $^4G_{11/2}$	4.5	4.66e+00
Ni XI	2554.4790	$3s^2 3p^5 3d$ 3F_2 - $3s^2 3p^5 3d$ 1F_3	6.2	1.20e+00
Fe II	2555.8391	$3d^6$ (3F2) 4s b4f $^4F_{5/2}$ - $3d^6$ (3F2) 4p y4f $^4F_{7/2}$	4.5	1.29e+01
Fe II	2556.2251	$3d^6$ (3F2) 4s b4f $^4F_{3/2}$ - $3d^6$ (3F2) 4p y4f $^4F_{5/2}$	4.5	9.55e+00
Mn XX	2558.7930	$2s^2 2p^2$ 3P_1 - $2s^2 2p^2$ 3P_2	7.1	1.16e+02
Fe II	2563.3091	$3d^6$ (5D) 4s a4d $^4D_{7/2}$ - $3d^6$ (5D) 4p z4po $^4P_{5/2}$	4.5	2.73e+02
Fe II	2564.2490	$3d^6$ (5D) 4s a4d $^4D_{5/2}$ - $3d^6$ (5D) 4p z4po $^4P_{3/2}$	4.5	1.36e+02
Fe XII	2566.7749	$3s^2 3p^3$ $^2D_{3/2}$ - $3s^2 3p^3$ $^2P_{3/2}$	6.2	6.18e+01
Fe II	2567.6880	$3d^6$ (5D) 4s a4d $^4D_{3/2}$ - $3d^6$ (5D) 4p z4po $^4P_{1/2}$	4.5	5.27e+01
Fe II	2569.1860	$3d^6$ (3P2) 4s b4p $^4P_{1/2}$ - $3d^6$ (3P2) 4p y4p $^4P_{3/2}$	4.5	1.74e+01
Fe II	2575.1421	$3d^6$ (3P2) 4s b4p $^4P_{5/2}$ - $3d^6$ (3P2) 4p z4s $^4S_{3/2}$	4.5	2.46e+01
Fe II	2578.7000	$3d^6$ (5D) 4s a4d $^4D_{1/2}$ - $3d^6$ (5D) 4p z4po $^4P_{1/2}$	4.5	5.19e+01
Fe XIII	2579.8220	$3s^2 3p^2$ 3P_1 - $3s^2 3p^2$ 1D_2	6.3	2.53e+02
Fe II	2583.3621	$3d^6$ (5D) 4s a4d $^4D_{3/2}$ - $3d^6$ (5D) 4p z4po $^4P_{3/2}$	4.5	6.72e+01
Fe II	2586.6550	$3d^6$ (5D) 4s a6d $^6D_{9/2}$ - $3d^6$ (5D) 4p z6do $^6D_{7/2}$	4.5	1.78e+02
Fe II	2588.9719	$3d^6$ (3P2) 4s b4p $^4P_{1/2}$ - $3d^6$ (3P2) 4p y4p $^4P_{1/2}$	4.5	3.97e+00
Fe II	2591.3301	$3d^6$ (3P2) 4s b4p $^4P_{3/2}$ - $3d^6$ (3P2) 4p y4p $^4P_{5/2}$	4.5	1.93e+01
Fe II	2592.3230	$3d^6$ (5D) 4s a4d $^4D_{5/2}$ - $3d^6$ (5D) 4p z4po $^4P_{5/2}$	4.5	5.86e+01
Fe II	2594.5090	$3d^6$ (5D) 4s a4d $^4D_{1/2}$ - $3d^6$ (5D) 4p z4po $^4P_{3/2}$	4.5	1.03e+01
Ne III *	2597.3989	$2s^2 2p^3$ (4S) $3s$ 5S_2 - $2s^2 2p^3$ (4S) $3p$ 5P_3	5.1	2.67e+01
Fe II	2599.1509	$3d^6$ (5D) 4s a6d $^6D_{7/2}$ - $3d^6$ (5D) 4p z6do $^6D_{5/2}$	4.5	2.42e+02

Table 1: (continued)

Ion	λ (Å)	Transition	T_{\max}	Int
Fe II	2600.1780	$3d^6$ (⁵ D) 4s a6d ⁶ D _{9/2} - $3d^6$ (⁵ D) 4p z6do ⁶ D _{9/2}	4.5	7.37e+02
Ne III *	2600.5161	$2s^2 2p^3$ (⁴ S) 3s ⁵ S ₂ - $2s^2 2p^3$ (⁴ S) 3p ⁵ P ₂	5.1	1.99e+01
Fe II	2600.9519	$3d^6$ (³ G) 4s a4g ⁴ G _{11/2} - $3d^6$ (³ F2) 4p y4g ⁴ G _{11/2}	4.5	7.50e+00
Ne III *	2602.5801	$2s^2 2p^3$ (⁴ S) 3s ⁵ S ₂ - $2s^2 2p^3$ (⁴ S) 3p ⁵ P ₁	5.1	1.27e+01
Fe II	2607.8711	$3d^6$ (⁵ D) 4s a6d ⁶ D _{5/2} - $3d^6$ (⁵ D) 4p z6do ⁶ D _{3/2}	4.5	2.19e+02
Fe VIII *	2609.1951	$3p^5 3d^2$ (¹ G) ² H _{11/2} - $3p^5 3d^2$ (¹ G) ² G _{9/2}	5.7	5.03e+00
Ne III	2610.8091	$2s^2 2p^3$ (² D) 3s ³ D ₃ - $2s^2 2p^3$ (² D) 3p ³ F ₄	5.1	1.58e+01
Fe II	2611.8579	$3d^6$ (⁵ D) 4s a4d ⁴ D _{3/2} - $3d^6$ (⁵ D) 4p z4po ⁴ P _{5/2}	4.5	6.32e+00
Fe II	2612.6589	$3d^6$ (⁵ D) 4s a6d ⁶ D _{7/2} - $3d^6$ (⁵ D) 4p z6do ⁶ D _{7/2}	4.5	3.31e+02
Ne III	2614.1890	$2s^2 2p^3$ (² D) 3s ³ D ₂ - $2s^2 2p^3$ (² D) 3p ³ F ₃	5.1	1.12e+01
Fe II	2614.6101	$3d^6$ (⁵ D) 4s a6d ⁶ D _{3/2} - $3d^6$ (⁵ D) 4p z6do ⁶ D _{1/2}	4.5	1.40e+02
Ne III	2615.2771	$2s^2 2p^3$ (² D) 3s ³ D ₂ - $2s^2 2p^3$ (² D) 3p ³ F ₂	5.1	1.11e+00
Ne III	2616.6631	$2s^2 2p^3$ (² D) 3s ³ D ₁ - $2s^2 2p^3$ (² D) 3p ³ F ₂	5.1	7.49e+00
Fe II	2618.4041	$3d^6$ (⁵ D) 4s a6d ⁶ D _{5/2} - $3d^6$ (⁵ D) 4p z6do ⁶ D _{5/2}	4.5	9.40e+01
Fe II	2619.8621	$3d^6$ (³ F2) 4s b4f ⁴ F _{9/2} - $3d^6$ (³ H) 4p z4go ⁴ G _{9/2}	4.5	1.89e+00
Fe II	2621.1960	$3d^6$ (⁵ D) 4s a6d ⁶ D _{3/2} - $3d^6$ (⁵ D) 4p z6do ⁶ D _{3/2}	4.5	3.94e+00
Fe II	2621.4829	$3d^6$ (³ F2) 4s b4f ⁴ F _{7/2} - $3d^6$ (³ H) 4p z4go ⁴ G _{7/2}	4.5	2.58e+00
Fe II	2621.6860	$3d^6$ (³ G) 4s a4g ⁴ G _{9/2} - $3d^6$ (³ F2) 4p y4g ⁴ G _{9/2}	4.5	5.44e+00
Fe II	2622.4570	$3d^6$ (⁵ D) 4s a6d ⁶ D _{1/2} - $3d^6$ (⁵ D) 4p z6do ⁶ D _{1/2}	4.5	3.96e+01
Fe II	2624.5120	$3d^6$ (³ F2) 4s b4f ⁴ F _{5/2} - $3d^6$ (³ H) 4p z4go ⁴ G _{5/2}	4.5	2.43e+00
Fe II	2626.4561	$3d^6$ (⁵ D) 4s a6d ⁶ D _{7/2} - $3d^6$ (⁵ D) 4p z6do ⁶ D _{9/2}	4.5	1.61e+02
Fe II	2627.4861	$3d^6$ (³ G) 4s a4g ⁴ G _{7/2} - $3d^6$ (³ F2) 4p y4g ⁴ G _{7/2}	4.5	4.21e+00
Fe II	2629.0830	$3d^6$ (⁵ D) 4s a6d ⁶ D _{1/2} - $3d^6$ (⁵ D) 4p z6do ⁶ D _{3/2}	4.5	1.38e+02
Fe II	2629.3701	$3d^6$ (³ G) 4s a4g ⁴ G _{5/2} - $3d^6$ (³ F2) 4p y4g ⁴ G _{5/2}	4.5	3.45e+00
Mg VII	2629.6760	$2s^2 2p^2$ ³ P ₂ - $2s^2 2p^2$ ¹ D ₂	5.8	1.15e+01
Fe II	2630.3779	$3d^6$ (³ F2) 4s b4f ⁴ F _{5/2} - $3d^6$ (³ H) 4p z4go ⁴ G _{7/2}	4.5	1.62e+01
Fe II	2630.8611	$3d^6$ (³ F2) 4s b4f ⁴ F _{3/2} - $3d^6$ (³ H) 4p z4go ⁴ G _{5/2}	4.5	1.49e+01
Fe II	2631.8000	$3d^6$ (³ F2) 4s b4f ⁴ F _{7/2} - $3d^6$ (³ H) 4p z4go ⁴ G _{9/2}	4.5	2.05e+01
Fe II	2631.8369	$3d^6$ (⁵ D) 4s a6d ⁶ D _{3/2} - $3d^6$ (⁵ D) 4p z6do ⁶ D _{5/2}	4.5	2.15e+02
Fe II	2632.1130	$3d^6$ (⁵ D) 4s a6d ⁶ D _{5/2} - $3d^6$ (⁵ D) 4p z6do ⁶ D _{7/2}	4.5	2.31e+02
Fe II	2632.3979	$3d^6$ (³ F2) 4s b4f ⁴ F _{9/2} - $3d^6$ (³ H) 4p z4go ⁴ G _{11/2}	4.5	2.70e+01
Ne III	2639.4829	$2s^2 2p^3$ (² P) 3s ³ P ₂ - $2s^2 2p^3$ (² P) 3p ³ P ₂	5.1	1.71e+01
Ne III	2639.9780	$2s^2 2p^3$ (² P) 3s ³ P ₂ - $2s^2 2p^3$ (² P) 3p ³ P ₁	5.1	5.64e+00
Ne III	2641.3479	$2s^2 2p^3$ (² P) 3s ³ P ₁ - $2s^2 2p^3$ (² P) 3p ³ P ₀	5.1	4.59e+00
Ne III	2641.3479	$2s^2 2p^3$ (² P) 3s ³ P ₁ - $2s^2 2p^3$ (² P) 3p ³ P ₂	5.1	5.29e+00
Ne III	2641.8430	$2s^2 2p^3$ (² P) 3s ³ P ₁ - $2s^2 2p^3$ (² P) 3p ³ P ₁	5.1	3.58e+00
Fe II	2641.9150	$3d^6$ (³ P2) 4s b4p ⁴ P _{3/2} - $3d^6$ (³ P2) 4p z4s ⁴ S _{3/2}	4.5	1.48e+01
Ne III	2643.0239	$2s^2 2p^3$ (² P) 3s ³ P ₀ - $2s^2 2p^3$ (² P) 3p ³ P ₁	5.1	4.45e+00
Fe XI	2649.4600	$3s^2 3p^4$ ³ P ₂ - $3s^2 3p^4$ ¹ D ₂	6.2	2.17e+02
S III	2659.9619	$3s^2 3p 4p$ ¹ P ₁ - $3s^2 3p 4d$ ¹ D ₂	4.9	8.41e+00
Fe XX	2666.0317	$2s^2 2p^3$ ² D _{3/2} - $2s^2 2p^3$ ² D _{5/2}	7.1	2.83e+03
Al II	2669.9480	$3s^2$ ¹ S ₀ - $3s 3p$ ³ P ₁	4.5	7.77e+02
Ne III	2678.6960	$2s^2 2p^3$ (⁴ S) 3s ³ S ₁ - $2s^2 2p^3$ (⁴ S) 3p ³ P ₂	5.1	3.47e+01
Ne III	2678.6960	$2s^2 2p^3$ (⁴ S) 3s ³ S ₁ - $2s^2 2p^3$ (⁴ S) 3p ³ P ₀	5.1	6.94e+00
Ne III	2679.4360	$2s^2 2p^3$ (⁴ S) 3s ³ S ₁ - $2s^2 2p^3$ (⁴ S) 3p ³ P ₁	5.1	2.08e+01
Fe II	2684.3091	$3d^6$ (³ P2) 4s b4p ⁴ P _{1/2} - $3d^6$ (³ P2) 4p z4s ⁴ S _{3/2}	4.5	6.95e+00
Fe II	2693.6379	$3d^6$ (⁵ D) 4s a4d ⁴ D _{7/2} - $3d^6$ (⁵ D) 4p z4fo ⁴ F _{5/2}	4.5	3.29e+00
Fe II	2710.1890	$3d^6$ (⁵ D) 4s a4d ⁴ D _{5/2} - $3d^6$ (⁵ D) 4p z4fo ⁴ F _{3/2}	4.5	4.36e+00
Fe II	2715.2229	$3d^6$ (⁵ D) 4s a4d ⁴ D _{7/2} - $3d^6$ (⁵ D) 4p z4do ⁴ D _{5/2}	4.5	6.23e+01

Table 1: (continued)

Ion	λ (Å)	Transition	T_{\max}	Int
Fe II	2717.5071	$3d^6$ (5D) $4s a4d$ $^4D_{7/2}$ - $3d^6$ (5D) $4p z4fo$ $^4F_{7/2}$	4.5	6.46e+01
Fe II	2719.4509	$3d^6$ (3F1) $4s c4f$ $^4F_{9/2}$ - $3d^6$ (3P1) $4p v4d$ $^4D_{7/2}$	4.5	1.04e+00
Fe II	2722.6250	$3d^6$ (3G) $4s a4g$ $^4G_{11/2}$ - $3d^6$ (3F2) $4p y4f$ $^4F_{9/2}$	4.5	4.69e+00
Si VIII	2723.9839	$2s^2 2p^3$ $^2D_{3/2}$ - $2s^2 2p^3$ $^2P_{3/2}$	5.9	2.07e+01
Fe II	2725.6960	$3d^6$ (5D) $4s a4d$ $^4D_{5/2}$ - $3d^6$ (5D) $4p z4fo$ $^4F_{5/2}$	4.5	7.90e+01
Fe II	2728.3521	$3d^6$ (5D) $4s a4d$ $^4D_{5/2}$ - $3d^6$ (5D) $4p z4do$ $^4D_{3/2}$	4.5	7.32e+01
Ca XVI	2731.4246	$2s^2 2p$ $^2P_{1/2}$ - $2s^2 2p$ $^2P_{3/2}$	6.8	8.90e+02
Fe II	2731.5481	$3d^6$ (5D) $4s a4d$ $^4D_{3/2}$ - $3d^6$ (5D) $4p z4fo$ $^4F_{3/2}$	4.5	5.91e+01
S III	2731.9180	$3s^2 3p 4p$ 3D_2 - $3s^2 3p 4d$ 3D_2	4.9	2.09e+00
Fe II	2737.7810	$3d^6$ (5D) $4s a4d$ $^4D_{3/2}$ - $3d^6$ (5D) $4p z4do$ $^4D_{1/2}$	4.5	5.09e+01
Fe II	2740.3630	$3d^6$ (5D) $4s a4d$ $^4D_{7/2}$ - $3d^6$ (5D) $4p z4do$ $^4D_{7/2}$	4.5	3.93e+02
Si VIII	2742.7371	$2s^2 2p^3$ $^2D_{5/2}$ - $2s^2 2p^3$ $^2P_{3/2}$	5.9	1.17e+01
Ne VI *	2743.9409	$2s 2p$ (3P) $3p$ $^4D_{7/2}$ - $2s 2p$ (3P) $3d$ $^4F_{9/2}$	5.7	2.79e+00
Fe II	2744.0139	$3d^6$ (5D) $4s a4d$ $^4D_{1/2}$ - $3d^6$ (5D) $4p z4fo$ $^4F_{3/2}$	4.5	1.45e+02
Fe II	2747.3010	$3d^6$ (5D) $4s a4d$ $^4D_{3/2}$ - $3d^6$ (5D) $4p z4fo$ $^4F_{5/2}$	4.5	2.36e+02
Fe II	2747.8000	$3d^6$ (5D) $4s a4d$ $^4D_{5/2}$ - $3d^6$ (5D) $4p z4do$ $^4D_{5/2}$	4.5	1.79e+02
Fe II	2749.9990	$3d^6$ (5D) $4s a4d$ $^4D_{3/2}$ - $3d^6$ (5D) $4p z4do$ $^4D_{3/2}$	4.5	8.11e+01
Fe II	2750.1389	$3d^6$ (5D) $4s a4d$ $^4D_{5/2}$ - $3d^6$ (5D) $4p z4fo$ $^4F_{7/2}$	4.5	3.71e+02
Fe II	2750.3040	$3d^6$ (5D) $4s a4d$ $^4D_{1/2}$ - $3d^6$ (5D) $4p z4do$ $^4D_{1/2}$	4.5	5.00e+01
Fe II	2756.5569	$3d^6$ (5D) $4s a4d$ $^4D_{7/2}$ - $3d^6$ (5D) $4p z4fo$ $^4F_{9/2}$	4.5	1.50e+02
S III	2757.7061	$3s^2 3p 4p$ 3D_3 - $3s^2 3p 4d$ 3D_3	4.9	2.85e+00
Fe II	2757.8501	$3d^6$ (3G) $4s a4g$ $^4G_{9/2}$ - $3d^6$ (3F2) $4p y4f$ $^4F_{7/2}$	4.5	3.51e+00
Fe II	2762.6350	$3d^6$ (5D) $4s a4d$ $^4D_{1/2}$ - $3d^6$ (5D) $4p z4do$ $^4D_{3/2}$	4.5	4.98e+01
Fe II	2763.2690	$3d^6$ (3G) $4s a4g$ $^4G_{5/2}$ - $3d^6$ (3F2) $4p y4f$ $^4F_{3/2}$	4.5	1.95e+00
Fe II	2764.7319	$3d^6$ (3G) $4s a4g$ $^4G_{7/2}$ - $3d^6$ (3F2) $4p y4f$ $^4F_{5/2}$	4.5	2.60e+00
Si VIII	2765.0330	$2s^2 2p^3$ $^2D_{3/2}$ - $2s^2 2p^3$ $^2P_{1/2}$	5.9	9.23e+00
Fe II	2769.7581	$3d^6$ (5D) $4s a4d$ $^4D_{3/2}$ - $3d^6$ (5D) $4p z4do$ $^4D_{5/2}$	4.5	7.07e+01
Fe II	2773.5500	$3d^6$ (5D) $4s a4d$ $^4D_{5/2}$ - $3d^6$ (5D) $4p z4do$ $^4D_{7/2}$	4.5	6.22e+01
Fe VIII *	2774.0791	$3p^5 3d^2$ (3F) $^4D_{7/2}$ - $3p^5 3d^2$ (3F) $^4F_{9/2}$	5.7	3.05e+00
S III	2776.1179	$3s^2 3p 4s$ 3P_1 - $3s^2 3p 4p$ 1S_0	4.8	2.26e+00
Ne III	2778.4690	$2s^2 2p^3$ (2D) $3s$ 3D_3 - $2s^2 2p^3$ (2D) $3p$ 3D_3	5.1	8.44e+00
O V	2781.8269	$2s 3s$ 3S_1 - $2s 3p$ 3P_2	5.4	1.59e+02
Mg V	2783.5769	$2s^2 2p^4$ 3P_2 - $2s^2 2p^4$ 1D_2	5.4	7.45e+00
Ne III	2783.8579	$2s^2 2p^3$ (2D) $3s$ 3D_3 - $2s^2 2p^3$ (2D) $3p$ 3D_2	5.1	1.05e+00
Ne III	2786.1201	$2s^2 2p^3$ (2D) $3s$ 3D_2 - $2s^2 2p^3$ (2D) $3p$ 3D_2	5.1	4.72e+00
Ne III	2786.9839	$2s^2 2p^3$ (2D) $3s$ 3D_2 - $2s^2 2p^3$ (2D) $3p$ 3D_1	5.1	1.02e+00
O V	2787.8140	$2s 3s$ 3S_1 - $2s 3p$ 3P_1	5.4	6.21e+01
Ne III	2788.5581	$2s^2 2p^3$ (2D) $3s$ 3D_1 - $2s^2 2p^3$ (2D) $3p$ 3D_1	5.1	3.01e+00
O V	2790.6689	$2s 3s$ 3S_1 - $2s 3p$ 3P_0	5.4	3.08e+01
Mg II	2791.6001	$2p^6 3p$ $^2P_{1/2}$ - $2p^6 3d$ $^2D_{3/2}$	4.5	1.74e+02
Mg II	2796.3521	$2p^6 3s$ $^2S_{1/2}$ - $2p^6 3p$ $^2P_{3/2}$	4.5	9.30e+03
Mg II	2798.7539	$2p^6 3p$ $^2P_{3/2}$ - $2p^6 3d$ $^2D_{3/2}$	4.5	3.45e+01
Mg II	2798.8230	$2p^6 3p$ $^2P_{3/2}$ - $2p^6 3d$ $^2D_{5/2}$	4.5	3.12e+02
Mg II	2803.5310	$2p^6 3s$ $^2S_{1/2}$ - $2p^6 3p$ $^2P_{1/2}$	4.5	4.65e+03
Al II	2817.0139	$3s 3p$ 1P_1 - $3s 4s$ 1S_0	4.5	2.30e+02
Ni XV	2818.8440	$3s^2 3p^2$ 3P_2 - $3s^2 3p^2$ 1D_2	6.4	2.25e+01
Ni XXI	2819.3687	$2s^2 2p^4$ 3P_0 - $2s^2 2p^4$ 3P_1	7.1	8.53e+00
Ne III	2823.7800	$2s^2 2p^3$ (2P) $3s$ 3P_2 - $2s^2 2p^3$ (2P) $3p$ 3D_3	5.1	4.70e+00
Fe II	2824.1631	$3d^6$ (3G) $4s a4g$ $^4G_{11/2}$ - $3d^6$ (3H) $4p z4ho$ $^4H_{13/2}$	4.5	1.14e+01

Table 1: (continued)

Ion	λ (Å)	Transition	T_{\max}	Int
Ne III	2826.1101	$2s^2 2p^3$ (2P) $3s$ 3P_1 - $2s^2 2p^3$ (2P) $3p$ 3D_2	5.1	2.29e+00
Ne III	2826.6489	$2s^2 2p^3$ (2P) $3s$ 3P_0 - $2s^2 2p^3$ (2P) $3p$ 3D_1	5.1	1.09e+00
S III	2826.7480	$3s^2 3p 4p$ 3D_1 - $3s^2 3p 4d$ 1D_2	4.9	3.37e+00
C II	2837.5471	$2s 2p^2$ $^2S_{1/2}$ - $2s^2 3p$ $^2P_{3/2}$	4.6	3.18e+03
C II	2838.4441	$2s 2p^2$ $^2S_{1/2}$ - $2s^2 3p$ $^2P_{1/2}$	4.6	1.57e+03
Fe II	2841.1841	$3d^6$ (3G) $4s$ $a4g$ $^4G_{11/2}$ - $3d^6$ (3H) $4p$ $z4go$ $^4G_{11/2}$	4.5	3.24e+00
Fe II	2844.3191	$3d^6$ (3D) $4s$ $b4d$ $^4D_{3/2}$ - $3d^6$ (3G) $4p$ $x4fo$ $^4F_{5/2}$	4.5	1.18e+00
Fe II	2848.8931	$3d^6$ (3G) $4s$ $a4g$ $^4G_{5/2}$ - $3d^6$ (3H) $4p$ $z4ho$ $^4H_{7/2}$	4.5	5.85e+00
Fe II	2850.4480	$3d^6$ (3G) $4s$ $a4g$ $^4G_{9/2}$ - $3d^6$ (3H) $4p$ $z4ho$ $^4H_{11/2}$	4.5	1.16e+01
Fe II	2856.5100	$3d^6$ (3G) $4s$ $a4g$ $^4G_{7/2}$ - $3d^6$ (3H) $4p$ $z4ho$ $^4H_{9/2}$	4.5	7.40e+00
Fe II	2856.9929	$3d^6$ (3G) $4s$ $a4g$ $^4G_{9/2}$ - $3d^6$ (3H) $4p$ $z4go$ $^4G_{9/2}$	4.5	2.34e+00
Fe II	2858.0190	$3d^6$ (3D) $4s$ $b4d$ $^4D_{5/2}$ - $3d^6$ (3G) $4p$ $x4fo$ $^4F_{7/2}$	4.5	1.77e+00
Fe II	2858.2649	$3d^6$ (3G) $4s$ $a4g$ $^4G_{5/2}$ - $3d^6$ (3H) $4p$ $z4go$ $^4G_{5/2}$	4.5	1.92e+00
Fe II	2859.1780	$3d^6$ (3G) $4s$ $a4g$ $^4G_{7/2}$ - $3d^6$ (3H) $4p$ $z4go$ $^4G_{7/2}$	4.5	1.88e+00
S III	2881.8569	$3s^2 3p 4p$ 3P_2 - $3s^2 3p 4d$ 3P_2	4.9	2.02e+00
Cr XIX	2886.0081	$2s^2 2p^2$ 3P_1 - $2s^2 2p^2$ 3P_2	7.0	2.67e+02
Fe II	2896.0730	$3d^6$ (3D) $4s$ $b4d$ $^4D_{7/2}$ - $3d^6$ (3G) $4p$ $x4fo$ $^4F_{9/2}$	4.5	2.38e+00
Fe XII	2904.6970	$3s^2 3p^3$ $^2D_{5/2}$ - $3s^2 3p^3$ $^2P_{3/2}$	6.2	2.22e+01
S III	2910.3579	$3s^2 3p 4s$ 1P_1 - $3s^2 3p 4p$ 1S_0	4.8	3.32e+01
Ne III *	2916.9380	$2s^2 2p^3$ (2D) $3s$ 1D_2 - $2s^2 2p^3$ (2D) $3p$ 1F_3	5.1	1.30e+01
Mg V	2928.9441	$2s^2 2p^4$ 3P_1 - $2s^2 2p^4$ 1D_2	5.4	2.03e+00
Mg II	2929.4890	$2p^6 3p$ $^2P_{1/2}$ - $2p^6 4s$ $^2S_{1/2}$	4.5	7.65e+01
Fe X	2934.5310	$3s^2 3p^4$ (3P) $3d$ $^4D_{7/2}$ - $3s^2 3p^4$ (3P) $3d$ $^4F_{7/2}$	6.1	4.09e+00
S III	2935.3970	$3s^2 3p 4p$ 3S_1 - $3s^2 3p 4d$ 3P_1	4.9	2.04e+00
Mg II	2937.3689	$2p^6 3p$ $^2P_{3/2}$ - $2p^6 4s$ $^2S_{1/2}$	4.5	1.52e+02
Fe II	2945.2629	$3d^7 a4p$ $^4P_{3/2}$ - $3d^6$ (5D) $4p$ $z4po$ $^4P_{1/2}$	4.5	2.08e+01
He I	2945.9651	$1s 2s$ 3S_1 - $1s 5p$ 3P_0	4.5	8.82e+01
He I	2945.9700	$1s 2s$ 3S_1 - $1s 5p$ 3P_1	4.5	2.64e+02
He I	2945.9709	$1s 2s$ 3S_1 - $1s 5p$ 3P_2	4.5	4.42e+02
Fe II	2948.5210	$3d^7 a4p$ $^4P_{5/2}$ - $3d^6$ (5D) $4p$ $z4po$ $^4P_{3/2}$	4.5	2.28e+01
S III	2949.1970	$3s^2 3p 4p$ 3P_0 - $3s^2 3p 4d$ 3D_1	4.9	1.58e+00
S III	2951.0859	$3s^2 3p 4p$ 3P_1 - $3s^2 3p 4d$ 3D_2	4.9	5.18e+00
S III	2953.7529	$3s^2 3p 4p$ 3S_1 - $3s^2 3p 4d$ 3P_2	4.9	2.12e+00
O III	2960.5591	$2s^2 2p 3p$ 1P_1 - $2s^2 2p 3d$ 1D_2	5.1	7.85e+00
Fe II	2965.4951	$3d^7 a4p$ $^4P_{1/2}$ - $3d^6$ (5D) $4p$ $z4po$ $^4P_{1/2}$	4.5	4.04e+00
S III	2965.6479	$3s^2 3p 4p$ 3P_2 - $3s^2 3p 4d$ 3D_3	4.9	5.84e+00
Fe II	2965.9041	$3d^7 a4p$ $^4P_{3/2}$ - $3d^6$ (5D) $4p$ $z4po$ $^4P_{3/2}$	4.5	6.60e+00
Ne V	2974.0720	$2s^2 2p^2$ 1D_2 - $2s^2 2p^2$ 1S_0	5.4	2.58e+00
O III	2984.4839	$2s^2 2p 3p$ 1P_1 - $2s^2 2p 3d$ 3F_2	5.0	3.12e+00
O III	2984.6509	$2s^2 2p 3s$ 1P_1 - $2s^2 2p 3p$ 1D_2	5.0	2.51e+02
Fe II	2985.7009	$3d^7 a4p$ $^4P_{5/2}$ - $3d^6$ (5D) $4p$ $z4po$ $^4P_{5/2}$	4.5	5.31e+01
Fe II	2986.4209	$3d^7 a4p$ $^4P_{1/2}$ - $3d^6$ (5D) $4p$ $z4po$ $^4P_{3/2}$	4.5	2.01e+01
Ni XI	3001.9268	$3s^2 3p^5 3d$ 3F_3 - $3s^2 3p^5 3d$ 1D_2	6.2	2.37e+00
Fe IX	3002.4900	$3s^2 3p^5 3d$ 3F_3 - $3s^2 3p^5 3d$ 3D_2	5.9	3.48e+00
Fe II	3003.5259	$3d^7 a4p$ $^4P_{3/2}$ - $3d^6$ (5D) $4p$ $z4po$ $^4P_{5/2}$	4.5	2.22e+01
O III	3005.2200	$2s^2 2p 3p$ 3D_2 - $2s^2 2p 3d$ 3D_2	5.1	1.25e+00
O III	3018.4951	$2s^2 2p 3p$ 3D_3 - $2s^2 2p 3d$ 3D_3	5.1	2.18e+00
Fe X	3020.9661	$3s^2 3p^4$ (3P) $3d$ $^4F_{9/2}$ - $3s^2 3p^4$ (1D) $3d$ $^2G_{9/2}$	6.1	1.53e+01
O III	3024.3059	$2s^2 2p 3s$ 3P_1 - $2s^2 2p 3p$ 3P_2	5.0	2.00e+02

Table 1: (continued)

Ion	λ (Å)	Transition	T_{\max}	Int
O III	3025.4209	$2s^2 2p 3s \ ^3P_0 - 2s^2 2p 3p \ ^3P_1$	5.0	1.60e+02
S IV	3030.1931	$3s^2 3d \ ^2D_{5/2} - 3p^3 \ ^2D_{5/2}$	5.0	1.02e+00
O III	3036.2981	$2s^2 2p 3s \ ^3P_1 - 2s^2 2p 3p \ ^3P_1$	5.0	1.20e+02
O III	3042.9529	$2s^2 2p 3s \ ^3P_1 - 2s^2 2p 3p \ ^3P_0$	5.0	1.61e+02
O III	3047.9851	$2s^2 2p 3s \ ^3P_2 - 2s^2 2p 3p \ ^3P_2$	5.0	6.04e+02
O III	3060.1660	$2s^2 2p 3s \ ^3P_2 - 2s^2 2p 3p \ ^3P_1$	5.0	2.05e+02
O IV	3064.3181	$2s^2 3s \ ^2S_{1/2} - 2s^2 3p \ ^2P_{3/2}$	5.2	1.06e+02
Fe XII	3072.0649	$3s^2 3p^3 \ ^2D_{3/2} - 3s^2 3p^3 \ ^2P_{1/2}$	6.2	1.68e+01
O IV	3072.4919	$2s^2 3s \ ^2S_{1/2} - 2s^2 3p \ ^2P_{1/2}$	5.2	5.26e+01
Si III	3087.1311	$3s 3d \ ^3D_3 - 3s 4p \ ^3P_2$	4.8	5.84e+02
Si III	3087.3311	$3s 3d \ ^3D_2 - 3s 4p \ ^3P_2$	4.8	1.04e+02
Si III	3087.5601	$3s 3d \ ^3D_1 - 3s 4p \ ^3P_2$	4.8	6.95e+00
Si III	3094.3240	$3s 3d \ ^3D_2 - 3s 4p \ ^3P_1$	4.8	2.77e+02
Si III	3094.5540	$3s 3d \ ^3D_1 - 3s 4p \ ^3P_1$	4.8	9.22e+01
Si III	3097.7271	$3s 3d \ ^3D_1 - 3s 4p \ ^3P_0$	4.8	1.36e+02
S IV	3098.1721	$3s^2 4s \ ^2S_{1/2} - 3s^2 4p \ ^2P_{3/2}$	5.0	2.68e+01
S IV	3118.5190	$3s^2 4s \ ^2S_{1/2} - 3s^2 4p \ ^2P_{1/2}$	5.0	3.19e+01
O III	3122.5391	$2s^2 2p 3p \ ^3S_1 - 2s^2 2p 3d \ ^3P_1$	5.1	2.45e+00
Fe IX	3124.0630	$3s^2 3p^5 3d \ ^3F_2 - 3s^2 3p^5 3d \ ^1F_3$	5.9	1.87e+01
O III	3133.7000	$2s^2 2p 3p \ ^3S_1 - 2s^2 2p 3d \ ^3P_2$	5.1	4.18e+00
Fe II	3136.2739	$3d^6 \ (^3D) 4s b4d \ ^4D_{5/2} - 3d^6 \ (^3F_2) 4p x4d \ ^4D_{5/2}$	4.5	1.79e+00
Ni XII	3167.5701	$3s^2 3p^4 \ (^3P) 3d \ ^4D_{7/2} - 3s^2 3p^4 \ (^3P) 3d \ ^4F_{9/2}$	6.3	2.35e+00
Fe II	3178.4570	$3d^6 \ (^3D) 4s b4d \ ^4D_{7/2} - 3d^6 \ (^3F_2) 4p x4d \ ^4D_{7/2}$	4.5	3.58e+00
Fe II	3187.6650	$3d^7 a4p \ ^4P_{3/2} - 3d^6 \ (^5D) 4p z4do \ ^4D_{3/2}$	4.5	4.09e+00
He I	3188.6609	$1s 2s \ ^3S_1 - 1s 4p \ ^3P_0$	4.5	2.66e+02
He I	3188.6721	$1s 2s \ ^3S_1 - 1s 4p \ ^3P_1$	4.5	7.97e+02
He I	3188.6731	$1s 2s \ ^3S_1 - 1s 4p \ ^3P_2$	4.5	1.33e+03
Fe II	3193.8379	$3d^7 a4p \ ^4P_{5/2} - 3d^6 \ (^5D) 4p z4do \ ^4D_{5/2}$	4.5	3.51e+00
Fe II	3194.7280	$3d^7 a4p \ ^4P_{1/2} - 3d^6 \ (^5D) 4p z4do \ ^4D_{1/2}$	4.5	3.13e+00
He II	3203.8789	$3p \ ^2P_{1/2} - 5d \ ^2D_{3/2}$	4.9	5.50e+01
He II	3203.8921	$3s \ ^2S_{1/2} - 5p \ ^2P_{3/2}$	4.9	3.31e+01
He II	3203.9150	$3p \ ^2P_{1/2} - 5s \ ^2S_{1/2}$	4.9	4.55e+01
He II	3203.9309	$3s \ ^2S_{1/2} - 5p \ ^2P_{1/2}$	4.9	1.66e+01
He II	3204.0430	$3p \ ^2P_{3/2} - 5d \ ^2D_{5/2}$	4.9	9.90e+01
He II	3204.0559	$3p \ ^2P_{3/2} - 5d \ ^2D_{3/2}$	4.9	1.10e+01
He II	3204.0911	$3p \ ^2P_{3/2} - 5s \ ^2S_{1/2}$	4.9	9.09e+01
He II	3204.0940	$3d \ ^2D_{3/2} - 5p \ ^2P_{1/2}$	4.9	1.51e+00
He II	3204.1169	$3d \ ^2D_{5/2} - 5p \ ^2P_{3/2}$	4.9	2.72e+00
Fe II	3211.3770	$3d^7 a4p \ ^4P_{1/2} - 3d^6 \ (^5D) 4p z4do \ ^4D_{3/2}$	4.5	3.10e+00
Fe II	3214.2429	$3d^7 a4p \ ^4P_{3/2} - 3d^6 \ (^5D) 4p z4do \ ^4D_{5/2}$	4.5	7.99e+00
Fe II	3228.6799	$3d^7 a4p \ ^4P_{5/2} - 3d^6 \ (^5D) 4p z4do \ ^4D_{7/2}$	4.5	1.62e+01
Fe II	3238.7600	$3d^6 \ (^3D) 4s b4d \ ^4D_{1/2} - 3d^6 \ (^3F_2) 4p y4f \ ^4F_{3/2}$	4.5	1.07e+00
Mn XIX	3240.9661	$2s^2 2p^3 \ ^2D_{3/2} - 2s^2 2p^3 \ ^2D_{5/2}$	7.0	4.83e+00
Fe II	3248.1169	$3d^6 \ (^3D) 4s b4d \ ^4D_{3/2} - 3d^6 \ (^3F_2) 4p y4f \ ^4F_{5/2}$	4.5	1.69e+00
S III	3248.5090	$3s^2 3p 4p \ ^1S_0 - 3s^2 3p 4d \ ^1P_1$	4.8	4.33e+00
Fe VIII *	3256.3740	$3p^5 3d^2 \ (^3F) \ ^2G_{9/2} - 3p^5 3d^2 \ (^1G) \ ^2G_{9/2}$	5.7	1.33e+00
Fe II	3259.7161	$3d^6 \ (^3D) 4s b4d \ ^4D_{5/2} - 3d^6 \ (^3F_2) 4p y4f \ ^4F_{7/2}$	4.5	2.55e+00
Fe II	3259.9971	$3d^6 \ (^3D) 4s b4d \ ^4D_{7/2} - 3d^6 \ (^3F_2) 4p y4f \ ^4F_{9/2}$	4.5	3.60e+00
O III	3261.7981	$2s^2 2p 3p \ ^3D_2 - 2s^2 2p 3d \ ^3F_3$	5.0	1.56e+02

Table 1: (continued)

Ion	λ (Å)	Transition	T_{\max}	Int
O III	3266.2690	$2s^2 2p 3p \ ^3D_3 - 2s^2 2p 3d \ ^3F_4$	5.0	2.56e+02
O III	3268.1470	$2s^2 2p 3p \ ^3D_1 - 2s^2 2p 3d \ ^3F_2$	5.0	6.03e+01
Fe VIII *	3268.4009	$3p^5 3d^2 \ (^3F) \ ^4F_{9/2} - 3p^5 3d^2 \ (^1G) \ ^2H_{9/2}$	5.7	1.32e+00
O III	3282.7791	$2s^2 2p 3p \ ^3D_2 - 2s^2 2p 3d \ ^3F_2$	5.0	1.06e+01
O III	3285.3940	$2s^2 2p 3p \ ^3D_3 - 2s^2 2p 3d \ ^3F_3$	5.0	1.73e+01
O III	3300.3369	$2s^2 2p 3s \ ^3P_0 - 2s^2 2p 3p \ ^3S_1$	5.0	2.89e+00
S III	3306.1311	$3s^2 3p 4s \ ^3P_1 - 3s^2 3p 4p \ ^1D_2$	4.8	5.55e+00
O III	3313.2849	$2s^2 2p 3s \ ^3P_1 - 2s^2 2p 3p \ ^3S_1$	5.0	8.29e+00
S III	3324.9490	$3s^2 3p 3d \ ^3P_1 - 3s^2 3p 4p \ ^3P_2$	4.8	1.70e+01
S III	3325.8230	$3s^2 3p 3d \ ^3P_2 - 3s^2 3p 4p \ ^3P_2$	4.8	5.61e+01
Ca XII	3328.4578	$2s^2 2p^5 \ ^2P_{3/2} - 2s^2 2p^5 \ ^2P_{1/2}$	6.5	5.61e+01
Ne III *	3338.7300	$2s^2 2p^3 \ (^2P) \ 3s \ ^1P_1 - 2s^2 2p^3 \ (^2D) \ 3p \ ^3P_2$	5.1	1.81e+00
Ni XI	3339.4619	$3s^2 3p^5 3d \ ^3F_3 - 3s^2 3p^5 3d \ ^3D_3$	6.2	2.01e+00
S IV	3341.3420	$3s^2 4s \ ^2S_{1/2} - 3p^3 \ ^2P_{1/2}$	5.1	6.93e+00
O III	3341.7261	$2s^2 2p 3s \ ^3P_2 - 2s^2 2p 3p \ ^3S_1$	5.0	1.26e+01
S IV	3342.4260	$3s^2 4s \ ^2S_{1/2} - 3p^3 \ ^2P_{3/2}$	5.1	3.77e+00
Ne III	3343.3860	$2s^2 2p^4 \ ^1D_2 - 2s^2 2p^4 \ ^1S_0$	4.9	4.08e+00
S III	3368.1311	$3s^2 3p 3d \ ^3P_0 - 3s^2 3p 4p \ ^3P_1$	4.8	1.25e+01
S III	3370.4351	$3s^2 3p 3d \ ^3P_1 - 3s^2 3p 4p \ ^3P_1$	4.8	1.08e+01
S III	3371.3340	$3s^2 3p 3d \ ^3P_2 - 3s^2 3p 4p \ ^3P_1$	4.8	1.45e+01
Ti XVII	3371.7781	$2s^2 2p^2 \ ^3P_0 - 2s^2 2p^2 \ ^3P_1$	6.8	5.10e+01
S III	3388.0779	$3s^2 3p 3d \ ^3P_1 - 3s^2 3p 4p \ ^3P_0$	4.8	1.26e+01
Fe XIII	3389.6880	$3s^2 3p^2 \ ^3P_2 - 3s^2 3p^2 \ ^1D_2$	6.3	2.31e+02
O IV	3404.5200	$2s^2 3p \ ^2P_{1/2} - 2s^2 3d \ ^2D_{3/2}$	5.2	1.67e+00
O IV	3412.6670	$2s^2 3p \ ^2P_{3/2} - 2s^2 3d \ ^2D_{5/2}$	5.2	2.96e+00
Ne III *	3425.6189	$2s^2 2p^3 \ (^2D) \ 3s \ ^1D_2 - 2s^2 2p^3 \ (^2D) \ 3p \ ^1P_1$	5.1	3.35e+00
Ne V	3427.0110	$2s^2 2p^2 \ ^3P_2 - 2s^2 2p^2 \ ^1D_2$	5.4	1.95e+00
K XV	3449.4719	$2s^2 2p \ ^2P_{1/2} - 2s^2 2p \ ^2P_{3/2}$	6.7	1.63e+01
Fe X	3454.9470	$3s^2 3p^4 \ (^3P) \ 3d \ ^4F_{7/2} - 3s^2 3p^4 \ (^3P) \ 3d \ ^4F_{9/2}$	6.1	9.53e+00
Fe IX	3472.4900	$3s^2 3p^5 3d \ ^3F_2 - 3s^2 3p^5 3d \ ^3D_2$	5.9	3.29e+00
N IV	3479.7129	$2s 3s \ ^3S_1 - 2s 3p \ ^3P_2$	5.2	8.06e+01
N IV	3483.9939	$2s 3s \ ^3S_1 - 2s 3p \ ^3P_1$	5.2	4.33e+01
N IV	3485.9260	$2s 3s \ ^3S_1 - 2s 3p \ ^3P_0$	5.2	1.59e+01
Mg VI	3488.3379	$2s^2 2p^3 \ ^2D_{5/2} - 2s^2 2p^3 \ ^2P_{3/2}$	5.7	3.46e+00
Mg VI	3489.9207	$2s^2 2p^3 \ ^2D_{3/2} - 2s^2 2p^3 \ ^2P_{3/2}$	5.7	5.62e+00
S III	3498.2971	$3s^2 3p 4s \ ^1P_1 - 3s^2 3p 4p \ ^1D_2$	4.8	8.17e+01
Mg VI	3503.2468	$2s^2 2p^3 \ ^2D_{3/2} - 2s^2 2p^3 \ ^2P_{1/2}$	5.7	1.93e+00
Fe VIII *	3531.8220	$3p^5 3d^2 \ (^1G) \ ^2H_{9/2} - 3p^5 3d^2 \ (^1G) \ ^2G_{9/2}$	5.7	1.79e+00
Fe X	3533.8191	$3s^2 3p^4 \ (^3P) \ 3d \ ^4F_{7/2} - 3s^2 3p^4 \ (^1D) \ 3d \ ^2G_{7/2}$	6.1	3.38e+00
Fe VIII *	3545.9741	$3p^5 3d^2 \ (^3F) \ ^4F_{9/2} - 3p^5 3d^2 \ (^3F) \ ^2G_{9/2}$	5.7	1.28e+00
Fe X	3575.3870	$3s^2 3p^4 \ (^3P) \ 3d \ ^4F_{7/2} - 3s^2 3p^4 \ (^1D) \ 3d \ ^2G_{9/2}$	6.1	1.10e+00
Ni XVI	3601.0149	$3s^2 3p \ ^2P_{1/2} - 3s^2 3p \ ^2P_{3/2}$	6.5	1.84e+02
Al III	3602.6641	$3d \ ^2D_{5/2} - 4p \ ^2P_{3/2}$	4.6	7.60e+00
Al III	3613.3921	$3d \ ^2D_{3/2} - 4p \ ^2P_{1/2}$	4.6	4.13e+00
He I	3614.6790	$1s 2s \ ^1S_0 - 1s 5p \ ^1P_1$	4.5	7.76e+00
S III	3633.0410	$3s^2 3p 3d \ ^3P_2 - 3s^2 3p 4p \ ^3D_3$	4.8	1.02e+01
Fe IX	3644.0779	$3s^2 3p^5 3d \ ^3F_3 - 3s^2 3p^5 3d \ ^1D_2$	5.9	1.81e+01
Ca XVII	3646.8467	$2s 2p \ ^3P_1 - 2s 2p \ ^3P_2$	6.8	6.72e+01
S III	3657.6089	$3s^2 3p 4s \ ^3P_0 - 3s^2 3p 4p \ ^3S_1$	4.8	1.59e+00

Table 1: (continued)

Ion	λ (Å)	Transition	T_{\max}	Int
S III	3662.9829	$3s^2 3p 4s \ ^3P_1 - 3s^2 3p 4p \ ^3S_1$	4.8	4.60e+00
O III	3708.3259	$2s^2 2p 3p \ ^3P_1 - 2s^2 2p 3d \ ^3D_2$	5.1	1.10e+00
S III	3710.4009	$3s^2 3p 3d \ ^3P_1 - 3s^2 3p 4p \ ^3D_2$	4.8	7.34e+00
S III	3711.4900	$3s^2 3p 3d \ ^3P_2 - 3s^2 3p 4p \ ^3D_2$	4.8	1.04e+00
O III	3716.1470	$2s^2 2p 3p \ ^3P_2 - 2s^2 2p 3d \ ^3D_3$	5.1	1.94e+00
S III	3718.7771	$3s^2 3p 4s \ ^3P_2 - 3s^2 3p 4p \ ^3S_1$	4.8	1.12e+01
Ni XI	3736.9277	$3s^2 3p^5 3d \ ^3F_2 - 3s^2 3p^5 3d \ ^1D_2$	6.2	1.24e+00
O IV	3737.9121	$2s 2p \ (^3P) 3p \ ^4D_{7/2} - 2s 2p \ (^3P) 3d \ ^4F_{9/2}$	5.2	2.93e+01
Fe XXIII *	3738.7439	$2p 4p \ ^1S_0 - 2p 4d \ ^1P_1$	7.2	3.24e+00
S III	3748.9341	$3s^2 3p 3d \ ^3P_0 - 3s^2 3p 4p \ ^3D_1$	4.8	3.69e+00
S III	3751.7891	$3s^2 3p 3d \ ^3P_1 - 3s^2 3p 4p \ ^3D_1$	4.8	1.78e+00
O III	3755.7629	$2s^2 2p 3s \ ^3P_1 - 2s^2 2p 3p \ ^3D_2$	5.0	9.91e+01
O III	3758.2991	$2s^2 2p 3s \ ^3P_0 - 2s^2 2p 3p \ ^3D_1$	5.0	3.66e+01
O III	3760.9451	$2s^2 2p 3s \ ^3P_2 - 2s^2 2p 3p \ ^3D_3$	5.0	1.96e+02
Fe II	3765.1809	$3d^6 \ (^3P_2) 4s b4p \ ^4P_{5/2} - 3d^6 \ (^5D) 4p z4po \ ^4P_{3/2}$	4.5	1.71e+00
O III	3775.0991	$2s^2 2p 3s \ ^3P_1 - 2s^2 2p 3p \ ^3D_1$	5.0	2.61e+01
S III	3779.9260	$3s^2 3p 4s \ ^3P_1 - 3s^2 3p 4p \ ^3P_2$	4.8	2.26e+00
O III	3792.3501	$2s^2 2p 3s \ ^3P_2 - 2s^2 2p 3p \ ^3D_2$	5.0	3.05e+01
Fe IX	3802.0959	$3s^2 3p^5 3d \ ^3F_3 - 3s^2 3p^5 3d \ ^3D_3$	5.9	1.04e+01
O III	3812.0649	$2s^2 2p 3s \ ^3P_2 - 2s^2 2p 3p \ ^3D_1$	5.0	1.65e+00
Fe II	3826.0210	$3d^6 \ (^3P_2) 4s b4p \ ^4P_{5/2} - 3d^6 \ (^5D) 4p z4po \ ^4P_{5/2}$	4.5	3.92e+00
S III	3832.9209	$3s^2 3p 4s \ ^3P_0 - 3s^2 3p 4p \ ^3P_1$	4.8	3.36e+00
Ti XVII	3835.5400	$2s^2 2p^2 \ ^3P_1 - 2s^2 2p^2 \ ^3P_2$	6.8	2.25e+01
S III	3838.8230	$3s^2 3p 4s \ ^3P_1 - 3s^2 3p 4p \ ^3P_1$	4.8	4.23e+00
S III	3839.3679	$3s^2 3p 4s \ ^3P_2 - 3s^2 3p 4p \ ^3P_2$	4.8	1.63e+01
Si II	3854.7749	$3s 3p^2 \ ^2D_{3/2} - 3s^2 4p \ ^2P_{3/2}$	4.5	3.57e+01
Si II	3857.1250	$3s 3p^2 \ ^2D_{5/2} - 3s^2 4p \ ^2P_{3/2}$	4.5	3.20e+02
S III	3861.7261	$3s^2 3p 4s \ ^3P_1 - 3s^2 3p 4p \ ^3P_0$	4.8	1.05e+00
Si II	3863.7109	$3s 3p^2 \ ^2D_{3/2} - 3s^2 4p \ ^2P_{1/2}$	4.5	1.78e+02
Ne III	3869.8491	$2s^2 2p^4 \ ^3P_2 - 2s^2 2p^4 \ ^1D_2$	4.9	1.95e+00
Fe II	3873.8711	$3d^6 \ (^3P_2) 4s b4p \ ^4P_{3/2} - 3d^6 \ (^5D) 4p z4po \ ^4P_{1/2}$	4.5	1.38e+00
He I	3889.7141	$1s 2s \ ^3S_1 - 1s 3p \ ^3P_0$	4.5	1.22e+03
He I	3889.7549	$1s 2s \ ^3S_1 - 1s 3p \ ^3P_1$	4.5	3.65e+03
He I	3889.7581	$1s 2s \ ^3S_1 - 1s 3p \ ^3P_2$	4.5	6.07e+03
Al II	3901.7791	$3s 3p \ ^1P_1 - 3p^2 \ ^1D_2$	4.5	7.95e+02
S III	3921.4390	$3s^2 3p 3d \ ^3D_2 - 3s^2 3p 4p \ ^3P_2$	4.8	1.51e+00
S III	3929.6831	$3s^2 3p 3d \ ^3D_3 - 3s^2 3p 4p \ ^3P_2$	4.8	1.38e+01
S III	3962.6621	$3s^2 3p 3d \ ^3D_1 - 3s^2 3p 4p \ ^3P_1$	4.8	1.46e+00
O III	3962.6960	$2s^2 2p 3p \ ^1D_2 - 2s^2 2p 3d \ ^1F_3$	5.1	1.55e+00
He I	3965.8579	$1s 2s \ ^1S_0 - 1s 4p \ ^1P_1$	4.5	2.89e+01
O III	3966.2620	$2s^2 2p 3s \ ^1P_1 - 2p^4 \ ^1D_2$	5.0	1.32e+00
Fe II	3975.2981	$3d^6 \ (^3P_2) 4s b4p \ ^4P_{3/2} - 3d^6 \ (^5D) 4p z4po \ ^4P_{5/2}$	4.5	1.44e+00
S III	3984.8650	$3s^2 3p 3d \ ^3D_2 - 3s^2 3p 4p \ ^3P_1$	4.8	5.53e+00
S III	3987.0720	$3s^2 3p 3d \ ^3D_1 - 3s^2 3p 4p \ ^3P_0$	4.8	2.83e+00
Fe XI	3987.9319	$3s^2 3p^4 \ ^3P_1 - 3s^2 3p^4 \ ^1D_2$	6.2	1.47e+01
S III	3999.0649	$3s 3p^3 \ ^1D_2 - 3s^2 3p 4p \ ^1D_2$	4.8	2.15e+00
Fe II	4003.2219	$3d^6 \ (^3P_2) 4s b4p \ ^4P_{1/2} - 3d^6 \ (^5D) 4p z4po \ ^4P_{3/2}$	4.5	1.24e+00
He I	4027.3301	$1s 2p \ ^3P_2 - 1s 5d \ ^3D_1$	4.5	5.52e+00
He I	4027.3311	$1s 2p \ ^3P_2 - 1s 5d \ ^3D_2$	4.5	7.78e+01

Table 1: (continued)

Ion	λ (Å)	Transition	T_{\max}	Int
He I	4027.3311	1s 2p 3P_2 - 1s 5d 3D_3	4.5	4.44e+02
He I	4027.3420	1s 2p 3P_1 - 1s 5d 3D_1	4.5	8.30e+01
He I	4027.3440	1s 2p 3P_1 - 1s 5d 3D_2	4.5	2.33e+02
He I	4027.5020	1s 2p 3P_0 - 1s 5d 3D_1	4.5	1.10e+02
Cr XVIII	4039.7590	2s ² 2p ³ $^2D_{3/2}$ - 2s ² 2p ³ $^2D_{5/2}$	6.9	8.12e+00
O IV *	4047.7429	2p ² (3P) 3p $^4D_{7/2}$ - 2p ² (3P) 3d $^4F_{9/2}$	5.2	2.44e+00
Ca XIII	4087.4795	2s ² 2p ⁴ 3P_2 - 2s ² 2p ⁴ 3P_1	6.6	6.50e+01
N III	4098.5122	2s ² 3s $^2S_{1/2}$ - 2s ² 3p $^2P_{3/2}$	4.9	1.15e+02
N III	4104.5508	2s ² 3s $^2S_{1/2}$ - 2s ² 3p $^2P_{1/2}$	4.9	5.71e+01
He I	4121.9810	1s 2p 3P_2 - 1s 5s 3S_1	4.5	2.14e+02
He I	4121.9941	1s 2p 3P_1 - 1s 5s 3S_1	4.5	1.28e+02
He I	4122.1621	1s 2p 3P_0 - 1s 5s 3S_1	4.5	4.29e+01
Ni XII	4232.0962	3s ² 3p ⁵ $^2P_{3/2}$ - 3s ² 3p ⁵ $^2P_{1/2}$	6.3	3.70e+01
S III	4254.7100	3s ² 3p 4s 3P_2 - 3s ² 3p 4p 3D_3	4.8	8.88e+00
S III	4286.1128	3s ² 3p 4s 3P_1 - 3s ² 3p 4p 3D_2	4.8	4.04e+00
Fe X	4312.7612	3s ² 3p ⁴ (3P) 3d $^4F_{9/2}$ - 3s ² 3p ⁴ (3P) 3d $^2F_{7/2}$	6.1	2.30e+00
S III	4333.8901	3s ² 3p 4s 3P_0 - 3s ² 3p 4p 3D_1	4.8	1.97e+00
Si III	4339.7212	3p ² 1S_0 - 3s 4p 1P_1	4.8	5.57e+01
S III	4341.4370	3s ² 3p 4s 3P_1 - 3s ² 3p 4p 3D_1	4.8	1.18e+00
H I	4341.6548	2p $^2P_{1/2}$ - 5d $^2D_{3/2}$	4.5	1.12e+03
H I	4341.6592	2p $^2P_{1/2}$ - 5s $^2S_{1/2}$	4.5	4.80e+02
H I	4341.6611	2s $^2S_{1/2}$ - 5p $^2P_{3/2}$	4.5	6.27e+02
H I	4341.6650	2s $^2S_{1/2}$ - 5p $^2P_{1/2}$	4.5	3.13e+02
H I	4341.7231	2p $^2P_{3/2}$ - 5d $^2D_{5/2}$	4.5	2.02e+03
H I	4341.7241	2p $^2P_{3/2}$ - 5d $^2D_{3/2}$	4.5	2.25e+02
H I	4341.7290	2p $^2P_{3/2}$ - 5s $^2S_{1/2}$	4.5	9.58e+02
Fe IX	4360.3618	3s ² 3p ⁵ 3d 3F_2 - 3s ² 3p ⁵ 3d 1D_2	5.9	1.08e+01
S III	4362.7041	3s ² 3p 4s 3P_2 - 3s ² 3p 4p 3D_2	4.8	1.65e+00
O III	4364.4360	2s ² 2p ² 1D_2 - 2s ² 2p ² 1S_0	4.9	1.40e+01
He I	4389.1699	1s 2p 1P_1 - 1s 5d 1D_2	4.5	1.24e+02
Ar XIV	4414.4258	2s ² 2p $^2P_{1/2}$ - 2s ² 2p $^2P_{3/2}$	6.6	1.33e+02
He I	4438.8081	1s 2p 1P_1 - 1s 5s 1S_0	4.5	8.38e+01
He I	4472.7329	1s 2p 3P_2 - 1s 4d 3D_1	4.5	1.79e+01
He I	4472.7368	1s 2p 3P_2 - 1s 4d 3D_2	4.5	2.53e+02
He I	4472.7368	1s 2p 3P_2 - 1s 4d 3D_3	4.5	1.45e+03
He I	4472.7490	1s 2p 3P_1 - 1s 4d 3D_1	4.5	2.70e+02
He I	4472.7520	1s 2p 3P_1 - 1s 4d 3D_2	4.5	7.56e+02
He I	4472.9458	1s 2p 3P_0 - 1s 4d 3D_1	4.5	3.57e+02
Mg II	4482.3828	2p ⁶ 3d $^2D_{5/2}$ - 2p ⁶ 4f $^2F_{7/2}$	4.5	1.30e+01
Mg II	4482.5820	2p ⁶ 3d $^2D_{3/2}$ - 2p ⁶ 4f $^2F_{5/2}$	4.5	9.11e+00
Si III	4553.8882	3s 4s 3S_1 - 3s 4p 3P_2	4.8	3.41e+02
Si III	4569.1201	3s 4s 3S_1 - 3s 4p 3P_1	4.8	1.80e+02
Si III	4576.0391	3s 4s 3S_1 - 3s 4p 3P_0	4.8	6.60e+01
Fe IX	4588.5498	3s ² 3p ⁵ 3d 3F_2 - 3s ² 3p ⁵ 3d 3D_3	5.9	2.73e+00
K XVI	4625.5688	2s 2p 3P_1 - 2s 2p 3P_2	6.8	1.48e+00
N III	4635.4238	2s ² 3p $^2P_{1/2}$ - 2s ² 3d $^2D_{3/2}$	4.9	1.51e+00
N III	4641.9438	2s ² 3p $^2P_{3/2}$ - 2s ² 3d $^2D_{5/2}$	5.0	1.39e+00
C III	4648.7202	2s 3s 3S_1 - 2s 3p 3P_2	4.9	1.33e+03
C III	4651.5479	2s 3s 3S_1 - 2s 3p 3P_1	4.9	7.89e+02

Table 1: (continued)

Ion	λ (Å)	Transition	T_{\max}	Int
C III	4652.7759	2s 3s 3S_1 - 2s 3p 3P_0	4.9	2.67e+02
Al II	4664.3511	3p 2 1D_2 - 3s 4p 1P_1	4.5	5.77e+01
He II	4686.6958	3p $^2P_{1/2}$ - 4d $^2D_{3/2}$	4.9	1.21e+02
He II	4686.7241	3s $^2S_{1/2}$ - 4p $^2P_{3/2}$	4.9	5.54e+01
He II	4686.8472	3p $^2P_{1/2}$ - 4s $^2S_{1/2}$	4.9	9.41e+01
He II	4686.8892	3s $^2S_{1/2}$ - 4p $^2P_{1/2}$	4.9	2.77e+01
He II	4687.0259	3p $^2P_{3/2}$ - 4d $^2D_{5/2}$	4.9	2.17e+02
He II	4687.0259	3d $^2D_{3/2}$ - 4f $^2F_{5/2}$	4.9	3.04e+02
He II	4687.0742	3p $^2P_{3/2}$ - 4d $^2D_{3/2}$	4.9	2.41e+01
He II	4687.1289	3d $^2D_{5/2}$ - 4f $^2F_{7/2}$	4.9	4.29e+02
He II	4687.1558	3d $^2D_{5/2}$ - 4f $^2F_{5/2}$	4.9	2.17e+01
He II	4687.2041	3d $^2D_{5/2}$ - 4p $^2P_{3/2}$	4.9	5.65e+00
He II	4687.2251	3p $^2P_{3/2}$ - 4s $^2S_{1/2}$	4.9	1.88e+02
He II	4687.2388	3d $^2D_{3/2}$ - 4p $^2P_{1/2}$	4.9	3.14e+00
He I	4714.4658	1s 2p 3P_2 - 1s 4s 3S_1	4.5	1.72e+02
He I	4714.4829	1s 2p 3P_1 - 1s 4s 3S_1	4.5	1.03e+02
He I	4714.7031	1s 2p 3P_0 - 1s 4s 3S_1	4.5	3.44e+01
Ne IV	4715.4331	2s 2 2p 3 $^2D_{5/2}$ - 2s 2 2p 3 $^2P_{3/2}$	5.2	1.51e+00
Fe XI *	4721.2212	3s 2 3p 3 (2D) 3d 3F_4 - 3s 2 3p 3 (2D) 3d 3G_5	6.2	1.91e+00
Ne IV	4725.4600	2s 2 2p 3 $^2D_{3/2}$ - 2s 2 2p 3 $^2P_{3/2}$	5.2	1.82e+00
C II	4739.2998	2s 2p 2 $^2P_{1/2}$ - 2s 2 3p $^2P_{1/2}$	4.6	1.43e+00
C II	4746.1021	2s 2p 2 $^2P_{3/2}$ - 2s 2 3p $^2P_{3/2}$	4.6	3.03e+00
Ni XVII	4757.3828	3s 3p 3P_1 - 3s 3p 3P_2	6.7	2.14e+01
S III	4804.0742	3s 2 3p 4s 3P_1 - 3s 2 3p 4p 1P_1	4.8	1.94e+00
H I	4862.6450	2p $^2P_{1/2}$ - 4d $^2D_{3/2}$	4.5	2.59e+03
H I	4862.6519	2s $^2S_{1/2}$ - 4p $^2P_{3/2}$	4.5	1.29e+03
H I	4862.6558	2p $^2P_{1/2}$ - 4s $^2S_{1/2}$	4.5	1.13e+03
H I	4862.6641	2s $^2S_{1/2}$ - 4p $^2P_{1/2}$	4.5	6.47e+02
H I	4862.7290	2p $^2P_{3/2}$ - 4d $^2D_{5/2}$	4.5	3.92e+03
H I	4862.7319	2p $^2P_{3/2}$ - 4d $^2D_{3/2}$	4.5	5.17e+02
H I	4862.7432	2p $^2P_{3/2}$ - 4s $^2S_{1/2}$	4.5	2.27e+03
N II	4896.4912	2s 2p 3 1D_2 - 2s 2 2p 3p 1P_1	4.7	3.40e+01
He I	4923.3140	1s 2p 1P_1 - 1s 4d 1D_2	4.5	5.26e+02
S II	4925.4941	3s 2 3p 2 (3P) 4s $^4P_{3/2}$ - 3s 2 3p 2 (3P) 4p $^4P_{5/2}$	4.5	1.36e+01
S II	4926.7271	3s 2 3p 2 (3P) 4s $^4P_{1/2}$ - 3s 2 3p 2 (3P) 4p $^4P_{3/2}$	4.5	1.18e+01
S II	4943.8618	3s 2 3p 2 (3P) 4s $^4P_{1/2}$ - 3s 2 3p 2 (3P) 4p $^4P_{1/2}$	4.5	2.05e+00
S II	4993.3711	3s 2 3p 2 (3P) 4s $^4P_{3/2}$ - 3s 2 3p 2 (3P) 4p $^4P_{3/2}$	4.5	3.27e+00
O III	5008.2402	2s 2 2p 2 3P_2 - 2s 2 2p 2 1D_2	4.9	1.27e+00
S II	5010.9731	3s 2 3p 2 (3P) 4s $^4P_{3/2}$ - 3s 2 3p 2 (3P) 4p $^4P_{1/2}$	4.5	8.33e+00
He I	5017.0859	1s 2s 1S_0 - 1s 3p 1P_1	4.5	5.05e+01
S II	5028.6050	3s 2 3p 2 (3P) 3d $^2P_{3/2}$ - 3s 2 3p 2 (3P) 4p $^2S_{1/2}$	4.5	1.39e+01
S II	5033.8472	3s 2 3p 2 (3P) 4s $^4P_{5/2}$ - 3s 2 3p 2 (3P) 4p $^4P_{5/2}$	4.5	1.91e+01
He I	5049.1548	1s 2p 1P_1 - 1s 4s 1S_0	4.5	2.43e+02
S II	5104.7642	3s 2 3p 2 (3P) 4s $^4P_{5/2}$ - 3s 2 3p 2 (3P) 4p $^4P_{3/2}$	4.5	1.16e+01
Ni XIII	5117.2451	3s 2 3p 4 3P_2 - 3s 2 3p 4 3P_1	6.3	2.42e+01
S II	5143.7549	3s 2 3p 2 (3P) 3d $^2P_{1/2}$ - 3s 2 3p 2 (3P) 4p $^2S_{1/2}$	4.5	6.48e+00
S III	5161.5410	3s 2 3p 3d 1F_3 - 3s 2 3p 4p 1D_2	4.8	1.03e+01
S III	5220.7959	3s 2 3p 4s 1P_1 - 3s 2 3p 4p 1P_1	4.8	9.74e+00
K XII	5278.4341	2s 2 2p 4 3P_2 - 2s 2 2p 4 3P_1	6.4	1.41e+00

Table 1: (continued)

Ion	λ (Å)	Transition	T_{\max}	Int
Fe XIV	5304.5659	$3s^2 3p^2 P_{1/2} - 3s^2 3p^2 P_{3/2}$	6.3	8.27e+02
S III	5371.0981	$3s^2 3p 3d^1 P_1 - 3s^2 3p 4p^1 S_0$	4.8	2.67e+00
S II	5430.1738	$3s^2 3p^2 (^3P) 4s^4 P_{1/2} - 3s^2 3p^2 (^3P) 4p^4 D_{3/2}$	4.5	6.72e+00
S II	5434.3169	$3s^2 3p^2 (^3P) 4s^4 P_{3/2} - 3s^2 3p^2 (^3P) 4p^4 D_{5/2}$	4.5	1.76e+01
Ca XV	5446.0400	$2s^2 2p^2 ^3P_1 - 2s^2 2p^2 ^3P_2$	6.7	2.06e+02
S II	5455.3809	$3s^2 3p^2 (^3P) 4s^4 P_{5/2} - 3s^2 3p^2 (^3P) 4p^4 D_{7/2}$	4.5	1.58e+02
S II	5475.1450	$3s^2 3p^2 (^3P) 4s^4 P_{1/2} - 3s^2 3p^2 (^3P) 4p^4 D_{1/2}$	4.5	7.19e+00
S II	5511.2461	$3s^2 3p^2 (^3P) 4s^4 P_{3/2} - 3s^2 3p^2 (^3P) 4p^4 D_{3/2}$	4.5	1.04e+01
S II	5527.7891	$3s^2 3p^2 (^3P) 3d^4 F_{7/2} - 3s^2 3p^2 (^3P) 4p^4 D_{7/2}$	4.5	9.16e+00
Ar X	5535.5591	$2s^2 2p^5 ^2P_{3/2} - 2s^2 2p^5 ^2P_{1/2}$	6.2	9.80e+00
Fe X	5538.9390	$3s^2 3p^4 (^3P) 3d^4 F_{7/2} - 3s^2 3p^4 (^3P) 3d^2 F_{7/2}$	6.1	1.24e+00
S II	5557.5762	$3s^2 3p^2 (^3P) 4s^4 P_{3/2} - 3s^2 3p^2 (^3P) 4p^4 D_{1/2}$	4.5	1.16e+00
S II	5566.5132	$3s^2 3p^2 (^3P) 4s^4 P_{5/2} - 3s^2 3p^2 (^3P) 4p^4 D_{5/2}$	4.5	9.74e+00
S II	5580.4302	$3s^2 3p^2 (^3P) 3d^4 F_{5/2} - 3s^2 3p^2 (^3P) 4p^4 D_{5/2}$	4.5	2.51e+00
O III	5593.8091	$2s^2 2p 3s^1 P_1 - 2s^2 2p 3p^1 P_1$	5.0	1.97e+01
S II	5607.7178	$3s^2 3p^2 (^3P) 3d^4 F_{9/2} - 3s^2 3p^2 (^3P) 4p^4 D_{7/2}$	4.5	6.79e+01
S II	5618.2021	$3s^2 3p^2 (^3P) 3d^4 F_{3/2} - 3s^2 3p^2 (^3P) 4p^4 D_{3/2}$	4.5	1.84e+00
S II	5641.9219	$3s^2 3p^2 (^3P) 3d^4 F_{7/2} - 3s^2 3p^2 (^3P) 4p^4 D_{5/2}$	4.5	1.08e+01
S II	5661.5820	$3s^2 3p^2 (^3P) 3d^4 F_{5/2} - 3s^2 3p^2 (^3P) 4p^4 D_{3/2}$	4.5	7.06e+00
S II	5666.3560	$3s^2 3p^2 (^3P) 3d^4 F_{3/2} - 3s^2 3p^2 (^3P) 4p^4 D_{1/2}$	4.5	4.26e+00
N II	5668.2109	$2s^2 2p 3s^3 P_1 - 2s^2 2p 3p^3 D_2$	4.7	2.14e+01
N II	5677.6040	$2s^2 2p 3s^3 P_0 - 2s^2 2p 3p^3 D_1$	4.7	9.50e+00
N II	5681.1431	$2s^2 2p 3s^3 P_2 - 2s^2 2p 3p^3 D_3$	4.7	3.90e+01
N II	5687.8018	$2s^2 2p 3s^3 P_1 - 2s^2 2p 3p^3 D_1$	4.7	6.84e+00
Fe VIII *	5689.5771	$3p^5 3d^2 (^3P) ^4P_{3/2} - 3p^6 4s^2 S_{1/2}$	5.7	2.18e+00
Ca XV	5696.3931	$2s^2 2p^2 ^3P_0 - 2s^2 2p^2 ^3P_1$	6.7	4.01e+02
C III	5697.4932	$2s 3p^1 P_1 - 2s 3d^1 D_2$	4.9	3.12e+00
N II	5712.3579	$2s^2 2p 3s^3 P_2 - 2s^2 2p 3p^3 D_2$	4.7	6.56e+00
Si III	5741.3271	$3s 4s^1 S_0 - 3s 4p^1 P_1$	4.8	2.13e+01
He I	5877.2378	$1s 2p^3 P_2 - 1s 3d^3 D_1$	4.5	1.05e+02
He I	5877.2529	$1s 2p^3 P_2 - 1s 3d^3 D_2$	4.5	1.38e+03
He I	5877.2539	$1s 2p^3 P_2 - 1s 3d^3 D_3$	4.5	8.55e+03
He I	5877.2642	$1s 2p^3 P_1 - 1s 3d^3 D_1$	4.5	1.57e+03
He I	5877.2798	$1s 2p^3 P_1 - 1s 3d^3 D_2$	4.5	4.14e+03
He I	5877.6060	$1s 2p^3 P_0 - 1s 3d^3 D_1$	4.5	2.10e+03
Ar XV	5945.3140	$2s 2p^3 P_1 - 2s 2p^3 P_2$	6.7	1.29e+01
S II	6288.0859	$3s^2 3p^2 (^3P) 3d^4 D_{5/2} - 3s^2 3p^2 (^3P) 4p^4 P_{5/2}$	4.5	1.43e+00
S II	6307.2378	$3s^2 3p^2 (^3P) 3d^4 D_{7/2} - 3s^2 3p^2 (^3P) 4p^4 P_{5/2}$	4.5	6.22e+00
Si II	6348.8970	$3s^2 4s^2 S_{1/2} - 3s^2 4p^2 P_{3/2}$	4.5	3.16e+02
Si II	6373.1738	$3s^2 4s^2 S_{1/2} - 3s^2 4p^2 P_{1/2}$	4.5	1.57e+02
Fe X	6376.2910	$3s^2 3p^5 ^2P_{3/2} - 3s^2 3p^5 ^2P_{1/2}$	6.1	1.12e+02
S II	6386.6699	$3s^2 3p^2 (^3P) 3d^4 D_{3/2} - 3s^2 3p^2 (^3P) 4p^4 P_{3/2}$	4.5	1.33e+00
S II	6399.1348	$3s^2 3p^2 (^3P) 3d^4 D_{5/2} - 3s^2 3p^2 (^3P) 4p^4 P_{3/2}$	4.5	2.52e+00
S II	6399.7949	$3s^2 3p^2 (^3P) 3d^4 D_{1/2} - 3s^2 3p^2 (^3P) 4p^4 P_{1/2}$	4.5	1.08e+00
S II	6415.4951	$3s^2 3p^2 (^3P) 3d^4 D_{3/2} - 3s^2 3p^2 (^3P) 4p^4 P_{1/2}$	4.5	1.09e+00
O V	6467.9292	$2p 3p^3 D_2 - 2p 3d^3 F_3$	5.4	1.52e+00
N II	6483.8481	$2s^2 2p 3s^1 P_1 - 2s^2 2p 3p^1 P_1$	4.7	4.28e+01
O V	6502.0352	$2p 3p^3 D_3 - 2p 3d^3 F_4$	5.4	5.83e+00
H I	6564.5361	$2p^2 P_{1/2} - 3d^2 D_{3/2}$	4.5	1.43e+04

Table 1: (continued)

Ion	λ (Å)	Transition	T_{\max}	Int
H I	6564.5488	$2s^2 2S_{1/2} - 3p^2 2P_{3/2}$	4.5	3.63e+03
H I	6564.5762	$2p^2 2P_{1/2} - 3s^2 2S_{1/2}$	4.5	5.63e+03
H I	6564.5962	$2s^2 2S_{1/2} - 3p^2 2P_{1/2}$	4.5	1.83e+03
H I	6564.6768	$2p^2 2P_{3/2} - 3d^2 2D_{5/2}$	4.5	2.34e+04
H I	6564.6938	$2p^2 2P_{3/2} - 3d^2 2D_{3/2}$	4.5	2.87e+03
H I	6564.7339	$2p^2 2P_{3/2} - 3s^2 2S_{1/2}$	4.5	1.13e+04
C II	6579.8828	$2s^2 3s^2 2S_{1/2} - 2s^2 3p^2 2P_{3/2}$	4.6	1.37e+03
C II	6584.7090	$2s^2 3s^2 2S_{1/2} - 2s^2 3p^2 2P_{1/2}$	4.6	6.95e+02
K XIV	6672.4619	$2s^2 2p^2 3P_1 - 2s^2 2p^2 3P_2$	6.7	3.53e+00
He I	6680.0078	$1s 2p^1 1P_1 - 1s 3d^1 1D_2$	4.5	1.63e+03
Ni XV	6703.5479	$3s^2 3p^2 3P_0 - 3s^2 3p^2 3P_1$	6.4	3.97e+01
Fe X *	6859.1812	$3s^2 3p^4 (3P) 3d^4 4F_{5/2} - 3s^2 3p^4 (3P) 3d^2 4F_{7/2}$	6.1	1.00e+00
Ar XI	6918.0210	$2s^2 2p^4 3P_2 - 2s^2 2p^4 3P_1$	6.4	9.60e+00
S II	6983.3359	$3s^2 3p^2 (3P) 3d^4 4D_{7/2} - 3s^2 3p^2 (3P) 4p^4 4D_{7/2}$	4.5	4.12e+00
Al II	7044.0249	$3s 4s^3 S_1 - 3s 4p^3 P_2$	4.5	6.07e+01
Fe XIX	7046.7324	$2s^2 2p^4 3P_0 - 2s^2 2p^4 3P_1$	7.0	1.59e+01
Al II	7058.6572	$3s 4s^3 S_1 - 3s 4p^3 P_1$	4.5	3.61e+01
Fe XV	7062.1470	$3s 3p^3 P_1 - 3s 3p^3 P_2$	6.4	1.32e+02
Al II	7065.6279	$3s 4s^3 S_1 - 3s 4p^3 P_0$	4.5	1.21e+01
He I	7067.1401	$1s 2p^3 P_2 - 1s 3s^3 S_1$	4.5	5.14e+03
He I	7067.1782	$1s 2p^3 P_1 - 1s 3s^3 S_1$	4.5	3.09e+03
He I	7067.6709	$1s 2p^3 P_0 - 1s 3s^3 S_1$	4.5	1.03e+03
He I	7283.3711	$1s 2p^1 1P_1 - 1s 3s^1 S_0$	4.5	1.18e+03
O II	7322.0190	$2s^2 2p^3 2D_{5/2} - 2s^2 2p^3 2P_{3/2}$	4.6	3.23e+00
O II	7331.6982	$2s^2 2p^3 2D_{3/2} - 2s^2 2p^3 2P_{1/2}$	4.6	1.41e+00
O II	7332.7671	$2s^2 2p^3 2D_{3/2} - 2s^2 2p^3 2P_{3/2}$	4.6	1.74e+00
N I	7425.6968	$2s^2 2p^2 3s^4 P_{1/2} - 2s^2 2p^2 3p^4 S_{3/2}$	4.5	1.14e+00
N I	7444.3579	$2s^2 2p^2 3s^4 P_{3/2} - 2s^2 2p^2 3p^4 S_{3/2}$	4.5	2.41e+00
N I	7470.3789	$2s^2 2p^2 3s^4 P_{5/2} - 2s^2 2p^2 3p^4 S_{3/2}$	4.5	2.60e+00
K XIV	7548.3232	$2s^2 2p^2 3P_0 - 2s^2 2p^2 3P_1$	6.7	6.92e+00
S XII	7612.6816	$2s^2 2p^2 2P_{1/2} - 2s^2 2p^2 2P_{3/2}$	6.4	1.90e+02
Mg II	7879.2212	$2p^6 4p^2 2P_{1/2} - 2p^6 4d^2 2D_{3/2}$	4.5	3.03e+00
Fe XI	7893.9819	$3s^2 3p^4 3P_2 - 3s^2 3p^4 3P_1$	6.2	6.51e+01
Mg II	7898.5381	$2p^6 4p^2 2P_{3/2} - 2p^6 4d^2 2D_{5/2}$	4.5	5.44e+00
S II	7969.5898	$3s^2 3p^2 (3P) 4s^2 2P_{1/2} - 3s^2 3p^2 (3P) 4p^2 2S_{1/2}$	4.5	3.23e+00
Ni XV	8026.3408	$3s^2 3p^2 3P_1 - 3s^2 3p^2 3P_2$	6.4	1.80e+01
N I	8212.9873	$2s^2 2p^2 3s^4 P_{3/2} - 2s^2 2p^2 3p^4 P_{3/2}$	4.5	1.08e+00
Mg II	8216.2461	$2p^6 4p^2 2P_{1/2} - 2p^6 5s^2 2S_{1/2}$	4.5	1.16e+00
N I	8218.6094	$2s^2 2p^2 3s^4 P_{5/2} - 2s^2 2p^2 3p^4 P_{5/2}$	4.5	2.00e+00
Mg II	8236.9043	$2p^6 4p^2 2P_{3/2} - 2p^6 5s^2 2S_{1/2}$	4.5	2.30e+00
S II	8316.8877	$3s^2 3p^2 (3P) 4s^2 2P_{3/2} - 3s^2 3p^2 (3P) 4p^2 2S_{1/2}$	4.5	5.26e+00
Ar XIII	8339.6035	$2s^2 2p^2 3P_1 - 2s^2 2p^2 3P_2$	6.6	2.58e+01
N I	8570.1035	$2s^2 2p^2 3s^2 P_{1/2} - 2s^2 2p^2 3p^2 P_{3/2}$	4.5	2.47e+00
N I	8596.3779	$2s^2 2p^2 3s^2 P_{1/2} - 2s^2 2p^2 3p^2 P_{1/2}$	4.5	3.38e+00
N I	8631.6172	$2s^2 2p^2 3s^2 P_{3/2} - 2s^2 2p^2 3p^2 P_{3/2}$	4.5	1.32e+01
Al II	8643.0723	$3s 4s^1 S_0 - 3s 4p^1 P_1$	4.5	1.50e+01
N I	8658.2715	$2s^2 2p^2 3s^2 P_{3/2} - 2s^2 2p^2 3p^2 P_{1/2}$	4.5	1.72e+00
N I	8682.6797	$2s^2 2p^2 3s^4 P_{5/2} - 2s^2 2p^2 3p^4 D_{7/2}$	4.5	2.66e+00
N I	8685.8018	$2s^2 2p^2 3s^4 P_{3/2} - 2s^2 2p^2 3p^4 D_{5/2}$	4.5	1.49e+00

Table 1: (continued)

Ion	λ (Å)	Transition	T_{\max}	Int
N I	8714.1084	$2s^2 2p^2 3s^4 P_{3/2} - 2s^2 2p^2 3p^4 D_{3/2}$	4.5	1.19e+00
Mg II	9220.7793	$2p^6 4s^2 S_{1/2} - 2p^6 4p^2 P_{3/2}$	4.5	1.42e+01
Mg II	9246.8037	$2p^6 4s^2 S_{1/2} - 2p^6 4p^2 P_{1/2}$	4.5	7.16e+00
Si III	9326.4590	$3s 3d^1 D_2 - 3s 4p^1 P_1$	4.8	5.48e+00
N I	9389.3994	$2s^2 2p^2 3s^2 P_{1/2} - 2s^2 2p^2 3p^2 D_{3/2}$	4.5	7.28e+00
N I	9395.3887	$2s^2 2p^2 3s^2 P_{3/2} - 2s^2 2p^2 3p^2 D_{5/2}$	4.5	1.05e+01
N I	9463.2871	$2s^2 2p^2 3s^2 P_{3/2} - 2s^2 2p^2 3p^2 D_{3/2}$	4.5	1.29e+00
He I	9466.1484	$1s 3s^3 S_1 - 1s 5p^3 P_0$	4.5	5.69e+00
He I	9466.1982	$1s 3s^3 S_1 - 1s 5p^3 P_1$	4.5	1.71e+01
He I	9466.2012	$1s 3s^3 S_1 - 1s 5p^3 P_2$	4.5	2.85e+01
Fe IX	9788.3574	$3s^2 3p^5 3d^3 D_3 - 3s^2 3p^5 3d^1 F_3$	5.9	2.39e+00
S VIII	9916.7178	$2s^2 2p^5^2 P_{3/2} - 2s^2 2p^5^2 P_{1/2}$	5.9	1.28e+01