Predicted XUV Line Intensities
CHIANTI database - Version 11.0

Calculated with Constant pressure= 1.00e+16 (cm^{-3} K)
915.6 to 1994.1 Å
Number of lines: 151
Minimum intensity = 1150.00
Units are: erg cm-2 sr-1 s-1
Lines marked with a "s" are satellite lines from autoionizing levels.
Lines marked with a * do not have observed energy levels
and have approximate wavelengths.
Calculated: Tue Dec 3 11:05:22 2024

Ionization Fractions file: `temp.ioneq`
ionization equilibrium filename: temp.ioneq
the following ions have advanced models:
c_1 included in density effects model
c_2 included in density effects model
c_3 included in density effects model
c_4 included in density effects model
c_5 included in density effects model
n_1 included in density effects model
n_2 included in density effects model
n_3 included in density effects model
n_4 included in density effects model
n_5 included in density effects model
n_6 included in density effects model
o_1 included in density effects model
o_2 included in density effects model
o_3 included in density effects model
o_4 included in density effects model
o_5 included in density effects model
o_6 included in density effects model
o_7 included in density effects model
ne_1 included in density effects model
ne_2 included in density effects model
ne_3 included in density effects model
ne_4 included in density effects model
ne_5 included in density effects model
ne_6 included in density effects model
ne_7 included in density effects model
ne_8 included in density effects model
ne_9 included in density effects model
mg_1 included in density effects model

mg_2 included in density effects model
mg_3 included in density effects model
mg_4 included in density effects model
mg_5 included in density effects model
mg_6 included in density effects model
mg_7 included in density effects model
mg_8 included in density effects model
mg_9 included in density effects model
mg_10 included in density effects model
mg_11 included in density effects model
si_1 included in density effects model
si_2 included in density effects model
si_3 included in density effects model
si_4 included in density effects model
si_5 included in density effects model
si_6 included in density effects model
si_7 included in density effects model
si_8 included in density effects model
si_9 included in density effects model
si_10 included in density effects model
si_11 included in density effects model
si_12 included in density effects model
si_13 included in density effects model
s_1 included in density effects model
s_2 included in density effects model
s_3 included in density effects model
s_4 included in density effects model
s_5 included in density effects model
s_6 included in density effects model
s_7 included in density effects model
s_8 included in density effects model
s_9 included in density effects model
s_10 included in density effects model
s_11 included in density effects model
s_12 included in density effects model
s_13 included in density effects model
s_14 included in density effects model
s_15 included in density effects model
Model used constant pressure= 1.00000e+16
Produced as part of the CHIANTI atomic data base collaboration
Created on Tue Dec 3 11:03:31 2024

Elemental Abundance file: `sun_photospheric_2021_asplund.abund`
created for the CHIANTI atomic database by Enrico Landi, 21-Jul-2022

abundances: Asplund, M., Amarsi, A.M., & Grevesse, N. 2021, A&A, 653, A141
comment: This compilation upgrades Asplund et al. (2009) with the advances in
photospheric modeling and atomic data in the last decade. Notably, it preserves a low O abundance but increases Ne/O to 0.24, in line with Young 2018 and Landi & Testa 2017 determinations in the solar atmosphere.

Minimum abundance = 3.63078e-08

Differential Emission Measure file: `flare_ext.dem`
filename: flare.dem
dem: Dere, K.P., Cook, J.W., 1979, ApJ, 229, 772
comment: composite of August 9 1553 and 1554 UT data of an M2 X-ray class flare
comment: modifies at high temperature (7.3 to 8.0) by G.Del Zanna to calculate
the emissivities of the hottest ions.
produced as part of the Arcetri/Cambridge/NRL 'CHIANTI' atomic data base collaboration
K.P.Dere and G. Del Zanna - Aug 2002

Calculation performed with population lookup tables.

Table 1: *Line List*

Ion	λ (Å)	Transition	T_{max}	Int
N II	915.6120	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^3\ ^3P_1$	4.50	1.45e+03
N II	915.9620	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3P_0$	4.50	1.37e+03
N II	916.0120	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3P_2$	4.50	1.94e+03
N II	916.7010	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3P_2$	4.50	5.87e+03
N II	916.7100	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3P_1$	4.50	1.80e+03
N IV	921.9990	$2s\ 2p\ ^3P_1$ - $2p\ 2p\ ^3P_2$	5.00	1.34e+04
N IV	922.5180	$2s\ 2p\ ^3P_0$ - $2p\ 2p\ ^3P_1$	5.00	1.07e+04
N IV	923.0540	$2s\ 2p\ ^3P_1$ - $2p\ 2p\ ^3P_1$	5.00	8.02e+03
N IV	923.2250	$2s\ 2p\ ^3P_2$ - $2p\ 2p\ ^3P_2$	5.00	4.00e+04
N IV	923.6770	$2s\ 2p\ ^3P_1$ - $2p\ 2p\ ^3P_0$	5.00	1.01e+04
N IV	924.2830	$2s\ 2p\ ^3P_2$ - $2p\ 2p\ ^3P_1$	5.00	1.33e+04
S VI	933.3780	$3s\ ^2S_{1/2}$ - $3p\ ^2P_{3/2}$	5.25	1.17e+04
S VI	944.5230	$3s\ ^2S_{1/2}$ - $3p\ ^2P_{1/2}$	5.25	5.81e+03
H I	949.7430	$1s\ ^2S_{1/2}$ - $5p\ ^2P_{3/2}$	4.50	1.97e+04
H I	949.7430	$1s\ ^2S_{1/2}$ - $5p\ ^2P_{1/2}$	4.50	9.85e+03
P IV	950.6570	$3s^2\ ^1S_0$ - $3s\ 3p\ ^1P_1$	4.95	2.93e+03
H I	972.5370	$1s\ ^2S_{1/2}$ - $4p\ ^2P_{1/2}$	4.50	2.25e+04
H I	972.5370	$1s\ ^2S_{1/2}$ - $4p\ ^2P_{3/2}$	4.50	4.50e+04
Fe XVIII	974.8580	$2s^2\ 2p^5\ ^2P_{3/2}$ - $2s^2\ 2p^5\ ^2P_{1/2}$	6.95	4.57e+04
C III	977.0200	$2s^2\ ^1S_0$ - $2s\ 2p\ ^1P_1$	4.70	1.19e+06
N III	989.7990	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2D_{3/2}$	4.70	5.06e+04
N III	991.5110	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2D_{3/2}$	4.70	9.87e+03
N III	991.5770	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2D_{5/2}$	4.70	9.07e+04
Si III	994.7900	$3s\ 3p\ ^3P_1$ - $3s\ 4s\ ^3S_1$	4.65	3.02e+03
Si III	997.3870	$3s\ 3p\ ^3P_2$ - $3s\ 4s\ ^3S_1$	4.65	5.03e+03
Ne VI	999.2330	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^4P_{5/2}$	5.50	1.98e+03
C II	1010.0710	$2s\ 2p^2\ ^4P_{3/2}$ - $2p^3\ ^4S_{3/2}$	4.50	1.19e+03
C II	1010.3690	$2s\ 2p^2\ ^4P_{5/2}$ - $2p^3\ ^4S_{3/2}$	4.50	1.78e+03
S III	1012.4920	$3s^2\ 3p^2\ ^3P_0$ - $3s\ 3p^3\ ^3P_1$	4.60	1.94e+03
S III	1015.4960	$3s^2\ 3p^2\ ^3P_1$ - $3s\ 3p^3\ ^3P_0$	4.60	1.63e+03
S III	1015.5610	$3s^2\ 3p^2\ ^3P_1$ - $3s\ 3p^3\ ^3P_1$	4.60	1.52e+03
S III	1015.7750	$3s^2\ 3p^2\ ^3P_1$ - $3s\ 3p^3\ ^3P_2$	4.60	2.89e+03
S III	1021.1050	$3s^2\ 3p^2\ ^3P_2$ - $3s\ 3p^3\ ^3P_1$	4.60	1.37e+03
S III	1021.3210	$3s^2\ 3p^2\ ^3P_2$ - $3s\ 3p^3\ ^3P_2$	4.60	5.15e+03
H I	1025.7220	$1s\ ^2S_{1/2}$ - $3p\ ^2P_{3/2}$	4.50	1.72e+05
H I	1025.7230	$1s\ ^2S_{1/2}$ - $3p\ ^2P_{1/2}$	4.50	8.58e+04
O VI	1031.9120	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{3/2}$	5.40	1.99e+05
C II	1036.3370	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2S_{1/2}$	4.50	1.56e+04
C II	1037.0179	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2S_{1/2}$	4.50	3.08e+04
O VI	1037.6130	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{1/2}$	5.40	9.88e+04
S IV	1062.6639	$3s^2\ 3p\ ^2P_{1/2}$ - $3s\ 3p^2\ ^2D_{3/2}$	4.85	1.24e+04
C II	1066.1331	$2s\ 2p^2\ ^2D_{3/2}$ - $2p^3\ ^2P_{1/2}$	4.55	3.81e+03
S IV	1072.9740	$3s^2\ 3p\ ^2P_{3/2}$ - $3s\ 3p^2\ ^2D_{5/2}$	4.85	1.94e+04
S IV	1073.5179	$3s^2\ 3p\ ^2P_{3/2}$ - $3s\ 3p^2\ ^2D_{3/2}$	4.85	1.88e+03
S III	1077.1710	$3s^2\ 3p^2\ ^1D_2$ - $3s^2\ 3p\ 3d\ ^1D_2$	4.60	8.05e+03
Fe XXIII	1079.4120	$2s\ 2p\ ^3P_1$ - $2s\ 2p\ ^3P_2$	7.15	9.08e+03
N II	1083.9900	$2s^2\ 2p^2\ ^3P_0$ - $2s\ 2p^3\ ^3D_1$	4.50	3.60e+03
N II	1084.5620	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3D_1$	4.50	2.65e+03
N II	1084.5800	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^3D_2$	4.50	8.12e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
N II	1085.5460	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3D_2$	4.50	2.62e+03
N II	1085.7010	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^3D_3$	4.50	1.60e+04
Si III	1108.3590	$3s\ 3p\ ^3P_0$ - $3s\ 3d\ ^3D_1$	4.65	8.32e+03
Si III	1109.9410	$3s\ 3p\ ^3P_1$ - $3s\ 3d\ ^3D_1$	4.65	6.22e+03
Si III	1109.9700	$3s\ 3p\ ^3P_1$ - $3s\ 3d\ ^3D_2$	4.65	1.79e+04
Si III	1113.2040	$3s\ 3p\ ^3P_2$ - $3s\ 3d\ ^3D_2$	4.65	5.90e+03
Si III	1113.2300	$3s\ 3p\ ^3P_2$ - $3s\ 3d\ ^3D_3$	4.65	3.77e+04
Fe XIX	1118.0551	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s^2\ 2p^4\ ^3P_1$	7.00	4.32e+04
Si IV	1122.4850	$3p\ ^2P_{1/2}$ - $3d\ ^2D_{3/2}$	4.85	2.43e+03
Fe III	1122.5260	$3s^2\ 3p^6\ 3d^6\ ^5D_4$ - $3s^2\ 3p^6\ 3d^5\ 4p\ ^5P_3$	4.50	2.57e+03
Fe III	1124.8810	$3s^2\ 3p^6\ 3d^6\ ^5D_3$ - $3s^2\ 3p^6\ 3d^5\ 4p\ ^5P_2$	4.50	1.27e+03
Si IV	1128.3400	$3p\ ^2P_{3/2}$ - $3d\ ^2D_{5/2}$	4.85	4.34e+03
Ne V	1145.6071	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^5S_2$	5.30	2.12e+03
Fe XVII	1153.1630	$2s^2\ 2p^5\ 3s\ ^1P_1$ - $2s^2\ 2p^5\ 3s\ ^3P_0$	6.90	1.44e+03
C III	1174.9330	$2s\ 2p\ ^3P_1$ - $2p^2\ ^3P_2$	4.70	9.99e+04
C III	1175.2640	$2s\ 2p\ ^3P_0$ - $2p^2\ ^3P_1$	4.70	8.00e+04
C III	1175.5909	$2s\ 2p\ ^3P_1$ - $2p^2\ ^3P_1$	4.70	5.99e+04
C III	1175.7111	$2s\ 2p\ ^3P_2$ - $2p^2\ ^3P_2$	4.70	2.99e+05
C III	1175.9880	$2s\ 2p\ ^3P_1$ - $2p^2\ ^3P_0$	4.70	7.95e+04
C III	1176.3700	$2s\ 2p\ ^3P_2$ - $2p^2\ ^3P_1$	4.70	9.96e+04
S III	1190.1970	$3s^2\ 3p^2\ ^3P_0$ - $3s\ 3p^3\ ^3D_1$	4.60	4.13e+03
S III	1194.0470	$3s^2\ 3p^2\ ^3P_1$ - $3s\ 3p^3\ ^3D_2$	4.60	9.23e+03
S III	1194.4410	$3s^2\ 3p^2\ ^3P_1$ - $3s\ 3p^3\ ^3D_1$	4.60	2.72e+03
S V	1199.1340	$3s^2\ ^1S_0$ - $3s\ 3p\ ^3P_1$	5.05	1.28e+04
S III	1200.9590	$3s^2\ 3p^2\ ^3P_2$ - $3s\ 3p^3\ ^3D_3$	4.60	1.47e+04
S III	1201.7180	$3s^2\ 3p^2\ ^3P_2$ - $3s\ 3p^3\ ^3D_2$	4.60	2.37e+03
Si III	1206.5000	$3s^2\ ^1S_0$ - $3s\ 3p\ ^1P_1$	4.60	5.06e+05
Si III	1206.5551	$3s\ 3p\ ^1P_1$ - $3s\ 3d\ ^1D_2$	4.70	4.31e+03
He II	1215.1710	$2p\ ^2P_{3/2}$ - $4d\ ^2D_{5/2}$	4.90	2.25e+03
He II	1215.1750	$2p\ ^2P_{1/2}$ - $4d\ ^2D_{3/2}$	4.90	1.25e+03
H I	1215.6680	$1s\ ^2S_{1/2}$ - $2p\ ^2P_{3/2}$	4.50	8.73e+05
H I	1215.6740	$1s\ ^2S_{1/2}$ - $2p\ ^2P_{1/2}$	4.50	4.36e+05
O V	1218.3440	$2s^2\ ^1S_0$ - $2s\ 2p\ ^3P_1$	5.25	5.74e+04
N V	1238.8210	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{3/2}$	5.20	6.67e+04
N V	1242.8040	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{1/2}$	5.20	3.33e+04
C III	1247.3820	$2s\ 2p\ ^1P_1$ - $2p^2\ ^1S_0$	4.75	3.65e+03
Si II	1264.7380	$3s^2\ 3p\ ^2P_{3/2}$ - $3s^2\ 3d\ ^2D_{5/2}$	4.50	1.19e+03
Si III	1294.5450	$3s\ 3p\ ^3P_1$ - $3p^2\ ^3P_2$	4.65	1.21e+04
Si III	1296.7260	$3s\ 3p\ ^3P_0$ - $3p^2\ ^3P_1$	4.65	9.72e+03
Si III	1298.8920	$3s\ 3p\ ^3P_1$ - $3p^2\ ^3P_1$	4.65	7.24e+03
Si III	1298.9460	$3s\ 3p\ ^3P_2$ - $3p^2\ ^3P_2$	4.65	3.58e+04
Si III	1301.1479	$3s\ 3p\ ^3P_1$ - $3p^2\ ^3P_0$	4.60	8.30e+03
Si III	1303.3220	$3s\ 3p\ ^3P_2$ - $3p^2\ ^3P_1$	4.65	1.18e+04
Si III	1312.5909	$3s\ 3p\ ^1P_1$ - $3s\ 4s\ ^1S_0$	4.70	2.55e+03
C II	1323.9060	$2s\ 2p^2\ ^2D_{3/2}$ - $2p^3\ ^2D_{3/2}$	4.50	1.48e+03
Fe XIX	1328.9041	$1s^2\ 2s^2\ 2p^4\ ^3P_2$ - $1s^2\ 2s^2\ 2p^4\ ^3P_0$	7.00	5.40e+03
C II	1334.5320	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^2D_{3/2}$	4.50	9.99e+04
C II	1335.6620	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2D_{3/2}$	4.50	1.97e+04
C II	1335.7070	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^2D_{5/2}$	4.50	1.70e+05

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe XXI	1354.0630	$2s^2\ 2p^2\ ^3P_0$ - $2s^2\ 2p^2\ ^3P_1$	7.10	1.09e+05
O V	1371.2960	$2s\ 2p\ ^1P_1$ - $2p^2\ ^1D_2$	5.30	7.50e+03
Si IV	1393.7550	$3s\ ^2S_{1/2}$ - $3p\ ^2P_{3/2}$	4.80	1.78e+05
O IV	1399.7760	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^4P_{1/2}$	5.00	1.33e+04
O IV	1401.1630	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^4P_{5/2}$	5.05	4.25e+04
Si IV	1402.7700	$3s\ ^2S_{1/2}$ - $3p\ ^2P_{1/2}$	4.80	8.91e+04
O IV	1404.8060	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^4P_{3/2}$	5.05	8.46e+03
S IV	1404.8080	$3s^2\ 3p\ ^2P_{1/2}$ - $3s\ 3p^2\ ^4P_{1/2}$	4.80	2.26e+03
S IV	1406.0160	$3s^2\ 3p\ ^2P_{3/2}$ - $3s\ 3p^2\ ^4P_{5/2}$	4.85	9.26e+03
O IV	1407.3840	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^4P_{1/2}$	5.00	1.30e+04
S IV	1416.8870	$3s^2\ 3p\ ^2P_{3/2}$ - $3s\ 3p^2\ ^4P_{3/2}$	4.85	4.39e+03
S IV	1423.8390	$3s^2\ 3p\ ^2P_{3/2}$ - $3s\ 3p^2\ ^4P_{1/2}$	4.80	1.65e+03
N IV	1486.5031	$2s^2\ ^1S_0$ - $2s\ 2p\ ^3P_1$	5.00	8.72e+03
S V	1501.7629	$3s\ 3p\ ^1P_1$ - $3p^2\ ^1D_2$	5.10	1.80e+03
C IV	1548.1870	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{3/2}$	4.95	1.11e+06
C IV	1550.7720	$1s^2\ 2s\ ^2S_{1/2}$ - $1s^2\ 2p\ ^2P_{1/2}$	4.95	5.53e+05
He II	1640.3750	$2s\ ^2S_{1/2}$ - $3p\ ^2P_{3/2}$	4.90	1.93e+03
He II	1640.4740	$2p\ ^2P_{3/2}$ - $3d\ ^2D_{5/2}$	4.90	1.16e+04
He II	1640.4900	$2p\ ^2P_{3/2}$ - $3d\ ^2D_{3/2}$	4.90	1.29e+03
He II	1640.4900	$2p\ ^2P_{1/2}$ - $3d\ ^2D_{3/2}$	4.90	6.45e+03
He II	1640.5330	$2p\ ^2P_{3/2}$ - $3s\ ^2S_{1/2}$	4.90	5.80e+03
He II	1640.5360	$2p\ ^2P_{1/2}$ - $3s\ ^2S_{1/2}$	4.90	2.90e+03
O III	1660.8101	$2s^2\ 2p^2\ ^3P_1$ - $2s\ 2p^3\ ^5S_2$	4.75	9.87e+03
O III	1666.1500	$2s^2\ 2p^2\ ^3P_2$ - $2s\ 2p^3\ ^5S_2$	4.75	2.46e+04
Al II	1670.7880	$3s^2\ ^1S_0$ - $3s\ 3p\ ^1P_1$	4.50	1.94e+04
S III	1713.1121	$3s^2\ 3p^2\ ^3P_1$ - $3s\ 3p^3\ ^5S_2$	4.60	2.00e+03
N IV	1718.5380	$2s\ 2p\ ^1P_1$ - $2p\ 2p\ ^1D_2$	5.05	3.22e+03
Al II	1721.2710	$3s\ 3p\ ^3P_1$ - $3s\ 3d\ ^3D_2$	4.50	1.39e+03
Al II	1724.9830	$3s\ 3p\ ^3P_2$ - $3s\ 3d\ ^3D_3$	4.50	2.63e+03
S III	1728.9460	$3s^2\ 3p^2\ ^3P_2$ - $3s\ 3p^3\ ^5S_2$	4.60	5.48e+03
N III	1748.6460	$2s^2\ 2p\ ^2P_{1/2}$ - $2s\ 2p^2\ ^4P_{1/2}$	4.70	1.41e+03
N III	1749.6740	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^4P_{5/2}$	4.70	3.42e+03
N III	1753.9950	$2s^2\ 2p\ ^2P_{3/2}$ - $2s\ 2p^2\ ^4P_{1/2}$	4.70	1.46e+03
C II	1760.8190	$2s\ 2p^2\ ^2D_{3/2}$ - $2s^2\ 3p\ ^2P_{1/2}$	4.50	1.74e+03
Al II	1763.9520	$3s\ 3p\ ^3P_2$ - $3p^2\ ^3P_2$	4.50	1.98e+03
Si II	1808.0129	$3s^2\ 3p\ ^2P_{1/2}$ - $3s\ 3p^2\ ^2D_{3/2}$	4.50	1.40e+03
Si II	1816.9280	$3s^2\ 3p\ ^2P_{3/2}$ - $3s\ 3p^2\ ^2D_{5/2}$	4.50	2.34e+03
Al III	1854.7159	$3s\ ^2S_{1/2}$ - $3p\ ^2P_{3/2}$	4.55	1.75e+04
Al III	1862.7910	$3s\ ^2S_{1/2}$ - $3p\ ^2P_{1/2}$	4.55	8.76e+03
Si III	1892.0291	$3s^2\ ^1S_0$ - $3s\ 3p\ ^3P_1$	4.55	1.22e+05
Fe III	1895.4540	$3s^2\ 3p^6\ 3d^5\ 4s\ ^7S_3$ - $3s^2\ 3p^6\ 3d^5\ 4p\ ^7P_4$	4.50	7.09e+03
C III	1908.7321	$2s^2\ ^1S_0$ - $2s\ 2p\ ^3P_1$	4.65	1.19e+04
Fe III	1914.0551	$3s^2\ 3p^6\ 3d^5\ 4s\ ^7S_3$ - $3s^2\ 3p^6\ 3d^5\ 4p\ ^7P_3$	4.50	5.65e+03
Fe III	1915.0780	$3s^2\ 3p^6\ 3d^5\ 4s\ ^5G_6$ - $3s^2\ 3p^6\ 3d^5\ 4p\ ^5H_7$	4.50	2.36e+03
Ni XXIII	1918.0601	$2s^2\ 2p^2\ ^3P_1$ - $2s^2\ 2p^2\ ^3P_2$	7.15	1.61e+03
Fe III	1922.7880	$3s^2\ 3p^6\ 3d^5\ 4s\ ^5G_5$ - $3s^2\ 3p^6\ 3d^5\ 4p\ ^5H_6$	4.50	1.99e+03
Fe III	1926.3030	$3s^2\ 3p^6\ 3d^5\ 4s\ ^7S_3$ - $3s^2\ 3p^6\ 3d^5\ 4p\ ^7P_2$	4.50	4.12e+03
Fe III	1930.3831	$3s^2\ 3p^6\ 3d^5\ 4s\ ^5G_4$ - $3s^2\ 3p^6\ 3d^5\ 4p\ ^5H_5$	4.50	1.65e+03
Fe III	1937.3500	$3s^2\ 3p^6\ 3d^5\ 4s\ ^5G_3$ - $3s^2\ 3p^6\ 3d^5\ 4p\ ^5H_4$	4.50	1.33e+03

Table 1: (continued)

Ion	λ (Å)	Transition	T_{max}	Int
Fe III	1960.3230	$3s^2\ 3p^6\ 3d^5\ 4s\ ^3I_7$ - $3s^2\ 3p^6\ 3d^5\ 4p\ ^3K_8$	4.55	1.24e+03
Fe III	1987.5020	$3s^2\ 3p^6\ 3d^5\ 4s\ ^5G_6$ - $3s^2\ 3p^6\ 3d^5\ 4p\ ^5G_6$	4.50	2.12e+03
Fe III	1991.6110	$3s^2\ 3p^6\ 3d^5\ 4s\ ^5G_5$ - $3s^2\ 3p^6\ 3d^5\ 4p\ ^5G_5$	4.50	1.57e+03
Fe III	1994.0780	$3s^2\ 3p^6\ 3d^5\ 4s\ ^5G_4$ - $3s^2\ 3p^6\ 3d^5\ 4p\ ^5G_4$	4.50	1.16e+03