

Table 1 . Linelist of J005107

Ion	wavelength (Å)	EP (eV)	log gf	EW (mÅ)
C1	481.7373	7.48	-3.04	SS
O1	557.7339	1.97	-8.20	19.24
Mg1	552.8405	4.35	-0.50	201.37
Mg1	571.1088	4.35	-1.72	45.74
Si1	604.2399	5.96	-1.32	5.32
Si1	604.6693	5.95	-0.94	9.29
Si1	655.5462	5.98	-1.16	5.19
Ca1	558.8749	2.53	0.36	133.17
Ca1	560.1277	2.53	-0.52	49.95
Ca1	649.3781	2.52	-0.11	81.71
Sc2	523.9813	1.46	-0.76	132.77
Ti1	491.9861	2.16	-0.12	7.15
Cr1	520.4498	0.94	-0.19	172.35
Cr1	520.8409	0.94	0.170	202.15
Fe1	487.1318	2.86	-0.36	141.31
Fe1	487.2138	2.88	-0.57	114.36
Fe1	489.1492	2.85	-0.11	172.24
Fe1	491.8994	2.86	-0.34	133.12
Fe1	492.4770	2.28	-2.24	25.95
Fe1	493.8814	2.88	-1.08	57.00
Fe1	500.6119	2.83	-0.64	111.36
Fe1	501.4942	3.94	-0.30	51.34
Fe1	504.9820	2.28	-1.36	99.29
Fe1	507.9223	2.20	-2.07	47.84
Fe1	509.8698	2.18	-2.03	49.10
Fe1	513.3688	4.18	0.14	85.31
Fe1	517.1596	1.48	-1.79	145.98
Fe1	520.2336	2.18	-1.84	60.27
Fe1	521.6274	1.61	-2.15	95.89
Fe1	528.1790	3.04	-0.83	68.75
Fe1	528.3621	3.24	-0.43	88.28
Fe1	532.8531	1.56	-1.85	129.83
Fe1	533.2900	1.56	-2.78	35.35
Fe1	533.9929	3.27	-0.65	68.83
Fe1	536.7466	4.42	0.44	74.69
Fe1	538.3368	4.31	0.64	101.09
Fe1	540.4151	4.43	0.52	94.77
Fe1	541.0910	4.47	0.40	66.75
Fe1	541.5199	4.39	0.64	91.61
Fe1	542.4068	4.32	0.52	102.25
Fe1	556.9618	3.42	-0.49	76.94
Fe1	557.6089	3.43	-1.00	43.52
Fe1	558.6756	3.37	-0.12	110.13
Fe1	561.5644	3.33	0.05	141.55
Fe1	613.7691	2.59	-1.4	73.08
Fe1	619.1558	2.43	-1.42	71.18
Fe1	623.0722	2.56	-1.28	79.50
Fe1	625.2555	2.40	-1.69	52.39
Fe1	641.1648	3.65	-0.60	35.18
Fe1	643.0845	2.18	-2.01	66.64
Fe1	649.4980	2.40	-1.27	101.77

Table 1 . (continued)

Fe2	514.6118	2.83	-4.08	47.14
Fe2	525.4920	3.23	-3.34	74.37
Fe2	526.4802	3.23	-3.12	105.14
Fe2	527.5997	3.20	-1.94	199.64
Fe2	536.2861	3.20	-2.62	139.58
Fe2	599.1371	3.15	-3.54	42.88
Ni1	492.5563	3.66	-0.78	13.66
Zn1	481.0528	4.08	-0.14	76.04
Y2	478.6577	1.03	-1.29	124.01
Y2	511.9112	0.99	-1.36	93.82
Y2	519.6422	1.75	-1.27	49.90
Y2	554.4611	1.74	-1.09	81.10
Y2	566.2924	1.94	0.20	178.99
Zr2	496.2310	0.97	-2.00	18.26
Zr2	511.2270	1.66	-0.85	49.45
La2	586.3690	0.93	-1.37	25.85
La2	588.0630	0.24	-1.83	47.84
La2	593.6210	0.17	-2.06	36.03
Ce2	483.6712	0.81	-1.85	6.11
Ce2	499.4727	1.21	-0.79	8.98
Ce2	527.4229	1.04	0.13	112.03
Ce2	533.0556	0.87	-0.40	85.47
Ce2	535.3524	0.88	0.09	158.34
Ce2	604.3373	1.21	-0.48	57.42
Ce2	605.1815	0.23	-1.53	31.58
Pr2	522.0108	0.80	0.30	76.65
Pr2	538.1257	0.51	-1.11	25.82
Pr2	616.5940	0.92	-0.2	39.67
Nd2	483.2274	0.56	-0.92	92.37
Nd2	496.1387	0.63	-0.71	108.99
Nd2	498.9950	0.63	-0.50	133.07
Nd2	507.6580	0.74	-0.25	168.95
Nd2	510.2390	0.68	-0.62	117.53
Nd2	513.2330	0.56	-0.71	96.53
Nd2	516.7920	0.56	-1.18	34.33
Nd2	529.3160	0.82	0.10	168.84
Nd2	531.1450	0.99	-0.42	80.60
Nd2	537.1930	1.41	0.00	64.92
Nd2	543.1520	1.12	-0.47	60.14
Nd2	554.8450	0.55	-1.27	59.27
Nd2	618.3900	1.16	-0.92	20.16
Nd2	674.0078	0.06	-2.10	35.83
Sm2	489.3340	0.54	-1.32	25.60
Sm2	494.8630	0.54	-0.95	65.38
Sm2	510.3090	1.17	-0.35	52.50
Sm2	511.6690	0.93	-0.72	75.54
Gd2	638.0951	1.66	-1.16	5.54
Gd2	668.1199	1.42	-1.19	7.33

Notes: Linelist used for the abundance determination of J005107. The last column shows the calculated equivalent width (EW). Fields indicated with SS are calculated via the synthetic spectral fitting technique (SSF).