AN ULTRAVIOLET MULTIPLET TABLE

Finding List for Spectra of the Elements Hydrogen to Niobium (Z=1 to 41)

Circular 488, Section 4

UNITED STATES DEPARTMENT OF COMMERCE
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UNITED STATES DEPARTMENT OF COMMERCE, Luther H. Hodges, Secretary
NATIONAL BUREAU OF STANDARDS, A. V. Astin, Director

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Finding List for Spectra of the Elements Hydrogen to Niobium (Z=1 to 41)

By Charlotte E. Moore

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Foreword

The present Section of NBS Circular 488, *An Ultraviolet Multiplet Table,* is the fourth of a series prepared in conjunction with the program on Atomic Energy Levels now in progress at the National Bureau of Standards. It is a finding list containing all lines entered in Sections 1 and 2 of the Multiplet Table, arranged in order of increasing wavelengths and covering the elements hydrogen to niobium ($Z = 1$ to 41).

The collaboration of spectroscopists in many laboratories has made this work possible. Their assistance is gratefully acknowledged.

A. V. Astin, *Director.*

Washington, D. C., *September 21, 1961.*

Contents

ELEMENTS AND SPECTRA REPRESENTED IN THE FINDING LIST

1. Arrangement

The present Finding List has been prepared from Sections 1 and 2 of this Circular. Some corrections have been noted which are listed below. These sections contain selected multiplets of 125 spectra of 41 elements from Hydrogen through Niobium, $Z = 1$ to 41.

The Finding List contains three columns. In the first column the wavelengths are listed in increasing order. From λ 129 to λ 1982 all wavelengths are in vacuum. In the overlapping region from λ 1982 to λ 2000.339 the headings "Air" and "Vac" are inserted in this column whenever necessary for clarification. All listed wavelengths longer than λ 2000.368 are in air. The long-wave limit of the table is about 3000 A. Only a few selected lines longer than this wavelength are included, in cases where multiplets overlap this limit. A Finding List for lines longer than 3000 A may be found in the writer's "Multiplet Table of Astrophysical Interest." [1]

The symbols in this column are identical with those used in Sections 1 and 2. They are as follows:

* denotes a blend. If an asterisk precedes the wavelength and no symbol follows the wavelength, the line is blended with another in the same spectrum.

§ follows a wavelength (with an asterisk always preceding), to denote that the line is blended with one in a neighboring spectrum of the same element, i.e. first and second spectra, second and third spectra, etc. of a given element.

§§,** special symbols following the wavelength (with an asterisk always preceding) used for blends not described by the above symbols.

‡ follows the wavelength of the *raie ultime* for first and second spectra as given by Meggers [2] or taken from later analyses.

P follows the wavelength when the predicted position of the line is given.

The second column indicates the spectrum to which the wavelength in column one belongs. Finally, column three gives the number of the multiplet in which the line is entered. If a line has more than one multiplet designation and is entered more than once in the Multiplet Table, all multiplet numbers are listed in column three.

[1] C. E. Moore, Contr. Princeton Univ. Obs. No. 20, 1945; Tech. Note Nat. Bur. Std. 36, PB 151395 (1959).

[2] W. F. Meggers, J. Opt. Soc. Am. 31, 44 (1941), first spectra; ibid. 31, 606 (1941), second spectra.

2. Corrections

In preparing the Finding Lists for this Multiplet Table a number of misprints and errors in Sections 1 and 2 have been noted. They are listed in the following table, and have been taken into account in the present Section 4.

CORRECTIONS

Z	Sp	Multiplet No.	Printed λ A		Corrected λ A
6	C I	3	1650.702	Should read	1560.702
7	N IV	6	225.025	Should read	225.205
8	O I	8	923.011	Should read	922.011
14	Si I	14	1776.03	Should read	1766.03
16	S III	8	1077.835	Should read	1077.135
19	K II	unclass	2550.02		delete line
23	V II	36	2804.10	Should read	2840.10
	V II	45	2248.748	Should read	2284.748
24	Cr II	27	2069.38	Should read	2068.38
26	Fe I	35	1963.100	Should read	1963.110
	Fe I	162	2454.706	Should read	2544.706
	Fe I	unclass	2965.191	Should read	2865.191
	Fe II	193	1495.311	Should read	1459.311
27	Co III	73	1774.318	Should read	1774.418
	Co III	73	1779.577	Should read	1774.577
28	Ni I	37	2220.71	Should read	2200.71
32	Ge I	24	2644.192	Should read	2644.182
39	Y II	5	2482.5	Should read	2842.5
	Si I	7, 53, 54, 56	Vacuum	Should read	Air
	Al II	8	Vacuum	Should read	Air

3. Acknowledgments

Mrs. Isabel D. Murray has prepared this entire manuscript with extreme competence and skill. J. E. Carpenter has been a special consultant throughout. Mrs. Betty L. Arnold has handled the publication details with extreme competence. The writer wishes to record here her gratitude for this splendid assistance.

AN ULTRAVIOLET MULTIPLET TABLE††

FINDING LIST—ELEMENTS HYDROGEN TO NIOBIUM ($Z = 1$ TO 41)

I A	Spectrum	Multiplet No.
Vac		
129.786	O VI	5
129.872	O VI	5
150.088	O VI	2
150.124	O VI	2
162.562	N V	3
*167.991	O V	6, 6, 6
168.042	O V	6
168.077	O V	6
171.582	Li II	3
172.168	O V	2
172.492	Ne IV	3
172.525	Ne IV	3
172.620	Ne IV	3
172.935	O VI	4
173.082	O VI	4
173.932	Ne V	6
178.015	Li II	2
183.937	O VI	3
184.117	O VI	3
185.747	O V	12
186.070	N V	6
186.153	N V	6
186.510	Mg III	4
186.575	Ne IV	7
187.194	Mg III	3
192.751	O V	5
192.800	O V	5
192.906	O V	5
194.276	Ne IV	11
194.593	O V	11
199.282‡	Li II	1
202.226	O V	14
202.282	O V	14
202.335	O V	14
202.393	O V	14
203.783	O V	13
203.821	O V	13
203.890	O V	13
207.794	O V	16
208.485	Ne IV	2
208.734	Ne IV	2
208.899	Ne IV	2
209.270	N V	2
209.303	N V	2
212.421	C IV	5
212.556	Ne IV	6
215.034	O V	4
215.104	O V	4
215.245	O V	4
215.522	Sc IV	4
216.018	O V	15
217.189	Sc IV	3
220.352	O V	10
222.791	C IV	4
225.098	N IV	6
225.136	N IV	6
225.205	N IV	6
229.431	He II	11
229.736	He II	10
230.139	He II	9
230.686	He II	8
231.454	He II	7
231.730	Mg III	2
232.584	He II	6
*233.457	O IV	7

I A	Spectrum	Multiplet No.
Vac		
233.495	O IV	7
233.561	O IV	7
234.258	Mg III	1
234.347	He II	5
237.331	He II	4
238.361	O IV	5
238.573	O IV	5
243.027	He II	3
244.907	C IV	3
245.775	C IV	11
245.830	C IV	11
247.205	N IV	2
247.563	N V	5
247.710	N V	5
248.459	O V	9
248.985	S VI	2
249.271	S VI	2
251.145	Ne III	5
251.558	Ne III	5
251.726	Ne III	5
256.317	He II	2
256.318	He II	2
259.471	C IV	10
259.542	C IV	10
260.389	O IV	9
260.556	O IV	9
266.192	N V	4
266.375	N V	4
267.059	Ne III	4
267.516	Ne III	4
267.709	Ne III	4
270.995	N IV	12
277.385	O III	12
279.633	O IV	4
279.937	O IV	4
282.50	Ne III	8
*283.178	Ne III	3, 3
283.206	Ne III	3
283.420	N IV	5
283.470	N IV	5
283.579	N IV	5
*283.690	Ne III	3, 3
283.894	Ne III	3
285.563	N IV	11
289.143	C IV	9
289.230	C IV	9
293.248	Sc IV	2
296.857	C IV	8
296.951	C IV	8
*297.644	N IV	15, 15
297.815	N IV	15
298.428	Sc IV	1
300.151	Na II	4
301.124	Ne III	7
301.432	Na II	3
303.009	N IV	14
303.048	N IV	14
303.079	N IV	14
303.123	N IV	14
303.163	N IV	14
303.411	O III	6
303.460	O III	6
303.515	O III	6
303.621	O III	6
303.693	O III	6

I A	Spectrum	Multiplet No.
Vac		
303.781‡	He II	1
303.786	He II	1
303.799	O III	6
305.596	O III	5
305.656	O III	5
305.703	O III	5
305.769	O III	5
305.836	O III	5
305.879	O III	5
308.559	Ne III	10
310.171	C III	3
312.418	C IV	2
312.455	C IV	2
313.048	Ne III	2
313.677	Ne III	2
313.92	Ne III	2
314.715	N III	7
314.850	N III	7
314.877	N III	7
315.053	N IV	18
320.979	O III	11
322.503	N IV	4
322.570	N IV	4
322.724	N IV	4
323.175	N IV	17
323.431	N III	6
323.488	N III	6
323.615	N III	6
323.671	N III	6
328.448	O III	10
335.050	N IV	10
337.998	A V	6
345.063	N IV	13
345.107	N IV	13
345.309	O III	15
350.878	A V	8
351.931	N IV	16
356.534	Ne II	6
356.795	Ne II	6
357.534	Ne II	6
357.831	Ne IV	5
357.955	Ne V	3
358.278	N III	11
358.327	N III	11
358.356	N III	11
358.401	N III	11
358.469	N III	11
*358.472§	Ne V	3
358.509	N III	11
358.578	N III	11
358.70	Ne IV	5
*359.385§§	Ne V	3
361.427	Ne II	5
362.456	Ne II	5
*362.833	N III	10, 10
*362.881	N III	10, 10
362.946	N III	10
362.985	N III	10
365.594	Ne V	5
*371.694	C III	7, 7
371.747	C III	7
371.784	C III	7
372.069‡	Na II	2
373.805	O III	4
374.005	O III	4

†† Finding List for Sections 1 and 2.

FINDING LIST—CONTINUED

I A Vac	Spectrum	Multiplet No.	I A Vac	Spectrum	Multiplet No.	I A Vac	Spectrum	Multiplet No.
374.075	O III	4	461.227	A V	4	529.796	K III	2
374.165	O III	4	462.388	Ne II	1	529.860	N II	6
374.204	N III	5	462.415	A V	4	533.504	N II	5
374.331	O III	4	463.938	A V	4	533.577	N II	5
374.436	O III	4	464.654	S VI	5	533.644	N II	5
374.441	N III	5	466.793	K III	4	533.726	N II	5
376.375	Na II	1	*469.817	Ne IV	4, 4	533.809	N II	5
379.308	Ne III	6	469.865	Ne IV	4	537.024	He I	3
384.032	C IV	7	470.089	K III	4	537.830	O II	7
384.178	C IV	7	471.569	K III	4	538.075	C III	5
386.203	C III	2	471.990	F II	3	538.150	C III	5
387.13	Ne IV	10	472.232	N III	18	538.256	O II	7
387.353	N IV	9	472.392	N III	18	538.312	C III	5
388.23	Ne IV	10	472.710	F II	3	538.318	O II	7
388.940	S VI	4	473.021	F II	3	539.086	O II	2
390.859	S VI	4	474.920	K III	4	539.547	O II	2
395.558	O III	9	480.406	Ne V	2	539.853	O II	2
403.734	Ca III	3	481.281	Ne V	2	541.124	Ne IV	1
405.852	Ne II	4	*481.361	Ne V	2, 2	542.076	Ne IV	1
407.136	Ne II	4	481.587	O II	10	543.884	Ne IV	1
409.948	Ca III	2	481.755	O II	10	546.846	F II	2
413.792	K III	6	*482.987	Ne V	2, 2	547.873	F II	2
416.198	Ne V	4	483.752	O II	9	548.324	F II	2
418.705	N III	16	483.976	O II	9	551.17	S IV	5
418.910	N III	16	485.086	O II	8	553.328	O IV	3
419.525	C IV	6	485.515	O II	8	553.470	A III	4
419.714	C IV	6	488.103	Ne III	1	554.074	O IV	3
421.584	Ne IV	9	488.868	Ne III	1	554.514	O IV	3
427.840	Ne III	9	489.501	Ne III	1	555.056	O II	6
428.180	N III	15	489.641	Ne III	1	555.121	O II	6
428.244	N III	15	490.310	Ne III	1	555.262	O IV	3
429.918	O II	3	490.56	Ca III	1	556.232	Cl III	3
430.041	O II	3	491.050	Ne III	1	556.605	Cl III	3
430.177	O II	3	497.104	K III	3	556.893	A III	4
433.911	N III	9	507.053	He I	10	557.118	Cl III	3
434.014	N III	9	507.391	O III	3	558.321	A III	4
434.066	N III	9	507.683	O III	3	558.481	A V	7
*434.129	N III	9, 9	507.712	He I	9	560.390	Al III	3
434.246	N III	9	508.182	O III	3			
434.280	N III	9	508.639	He I	8			
434.975	O III	14	509.586	N III	14	561.530	Cl III	5
437.37	S V	4	509.897	N III	14	561.680	Cl III	5
438.19	S V	4	509.993	He I	7	561.738	Cl III	5
439.65	S V	4	512.094	He I	6	566.54	Si III	3
444.344	K III	5	515.498	O II	17	568.418	Ne V	1
445.032	Ne II	3	515.612	He I	5	569.759	Ne V	1
445.997	A V	5	515.640	O II	17	569.830	Ne V	1
446.252	Ne II	3	517.937	O II	16	572.015	A II	11
446.591	Ne II	3	518.242	O II	16	572.106	Ne V	1
446.949	A V	5	519.326	A II	12	572.336	Ne V	1
447.813	Ne II	3	520.611	K III	2	572.693	Cl III	2
448.595	K III	5	521.730	Ne IV	8	573.360	A II	11
449.065	A V	5	521.810	Ne IV	8	574.279	C III	11
451.869	N III	4	522.090	A V	3	574.408	Cl III	2
452.226	N III	4	522.208	He I	4	574.650	N II	11
454.648	Ne II	2	522.791	A II	12	575.582	Cl III	2
455.270	Ne II	2	523.792	K III	2	576.731	A II	11
456.344	Ne II	2	524.189	A V	3	578.107	A II	11
456.895	Ne II	2	525.795	O III	8	578.605	A II	10
457.7	Si IV	2	527.693	A V	3	580.261	A II	10
459.462	C III	6	529.343	N II	6	580.400	O II	15
459.521	C III	6	529.405	N II	6	580.967	O II	15
459.633	C III	6	529.481	N II	6	582.150	N II	10
459.728	A V	4	529.627	N II	6	583.437	A II	10
460.725‡	Ne II	1	529.713	N II	6	584.331‡	He I	2

FINDING LIST—CONTINUED

I A	Spectrum	Multiplet No.	I A	Spectrum	Multiplet No.	I A	Spectrum	Multiplet No.
Vac			Vac			Vac		
591.420	He I	1	641.364	A III	3	687.059	C II	5
591.428	Cl III	6	641.808	A III	3	687.13	Cr IV	6
591.646	Cl III	6	643.256	A III	3	687.355	C II	5
594.808	C II	6	644.148	O II	13	687.987	Cu III	9
595.032	C II	6	644.621	N II	4	688.47	Cr IV	6
597.695	A II	9	644.825	N II	4	*689.007	A IV	3
597.818	O III	13	645.167	N II	4	690.170	A III	2
599.598	O III	7	*651.216	C II	9, 9	690.250	Cu III	8
600.585	O II	14	*651.262	C II	9, 9	690.526	C III	10
600.75 ‡	K II	2	651.342	C II	9	691.557	Cu III	9
602.854	A II	9	652.523	S IV	8	693.510	Cu III	8
605.67	F II	1	653.560	S IV	8	693.93	Cr IV	9
606.27	F II	1	655.553	S IV	8	693.952	B II	2
606.345	Cl III	4	657.34	S IV	4	695.22	Cr IV	9
606.81 ‡	F II	1	658.262	S V	3	695.537	A III	2
606.95	F II	1	*659.853	S V	3, 3	695.817	Al III	2
607.48	F II	1	660.280	N II	9	696.212	Al III	2
607.90	K II	3	660.945	S IV	7	697.04	Rb II	3
608.06	F II	1	661.42	S IV	4	698.73	S III	5
608.395	O IV	2	661.868	A II	8	698.760	A II	5
609.673	Cl III	4	*663.155	S V	3, 3, 3	*700.15	S III	5, 5
609.705	O III	16	663.707	S IV	7	700.271	Cu III	8
609.829	O IV	2	664.558	A II	8	700.29	S III	5
*610.043	O III	16, 16	664.822	S IV	7	702.332	O III	2
610.746	O III	16	666.014	A II	7	702.78 P	S III	5
610.850	O III	16	666.114	S IV	7	702.82 P	S III	5
612.61	K II	1	666.55	Cr IV	7	702.822	O III	2
615.623	Ne I	7	667.31	Cr IV	7	702.899	O III	2
616.291	O II	5	670.947	A II	8	703.850	O III	2
616.363	O II	5	671.014	N II	3	704.516	A II	5
617.05	Cr IV	4	*671.391	N II	3, 3	705.353	A V	2
617.051	O II	5	671.629	N II	3	706.00	Cr IV	8
618.22	Cr IV	4	671.770	N II	3	706.480	S VI	3
618.668	Ne I	6	671.854	A II	6	*709.195	A V	2
619.092	Ne I	5	671.999	N II	3	709.303	Cu II	12
619.12	Cr IV	4	672.659	Cu III	10	709.57	Se II	6
620.65	Cr IV	3	672.849	A II	6	711.17	Rb II	2
621.33	Cr IV	3	672.948	O II	12	712.682	S VI	3
622.07	Cr IV	3	673.768	O II	12	712.844	S VI	3
624.617	O IV	6	676.564	Cu III	10	715.530	Cu III	7
625.130	O IV	6	677.35	V IV	2	715.599	A V	2
625.852	O IV	6	677.54	Cr IV	5	715.645	A V	2
626.819	Ne I	4	677.75	S III	7	718.083	A II	4
627.70	Cr IV	2	678.46	S III	7	718.171	Cu II	11
628.46	Cr IV	2	678.72	V IV	2	718.484	O II	4
628.66	Zr IV	2	678.91	Cr IV	5	718.562	O II	4
628.97	Cr IV	2	679.11	S III	7	719.506	Cu III	6
628.983	P IV	4	679.410	A II	6	722.094	Ni III	12
629.729	Ne I	3	679.65	V IV	2	723.353	A II	4
629.73	Cr IV	2	680.15	Cr IV	5	724.29	S III	4
629.732	O V	1	680.62	Cr IV	5	724.487	Cu II	10
629.914	P IV	4	680.69	S III	7	725.542	A II	4
630.28	Cr IV	2	*680.95	S III	6, 7	725.86	S III	4
630.77	Cr IV	2	*681.50	S III	6, 7	726.41	Se II	5
630.92	Cr IV	1	682.171	Cu III	10	728.69	S III	4
631.765	P IV	4	683.07	S III	6	728.810	Fe III	8
632.60	Cr IV	1	683.278	A IV	3	729.249	Ni III	12
633.56	Zr IV	2	683.47	S III	6	729.529	S III	12
634.13	Cr IV	1	*684.38	V IV	1, 1	729.996	Fe III	8
635.180	N II	13	684.44	V IV	1	730.109	Ni III	11
635.45	Cr IV	1	684.996	N III	3	730.365	Cu III	7
636.818	A III	3	685.35	S III	6	730.60	Sc III	2
*637.282	A III	3, 3	685.513	N III	3	730.783	S III	3
637.54	Cr IV	10	685.816	N III	3	730.929	A II	4
638.12	Cr IV	10	686.335	N III	3	730.96	Fe III	8

FINDING LIST—CONTINUED

I A Vac	Spectrum	Multiplet No.	I A Vac	Spectrum	Multiplet No.	I A Vac	Spectrum	Multiplet No.
731.66	Sc III	2	767.703	Co III	6	806.964	F I	2
732.026	Cu III	5	768.458	Co III	6	807.547	Fe III	19
732.376	S III	3	769.128	Co III	6	807.855	Fe III	19
735.224	Cu III	6	769.152	A III	5	807.910	Co III	3
735.251	S III	3	771.024	Kr II	5	808.079	Fe III	7
735.519	Cu II	9	771.544	N III	8	808.612	Co III	13
735.89 ‡	Ne I	2	771.868	Co III	5	808.840	Fe III	19
736.031	Cu II	8	771.901	N III	8	809.599	F I	2
737.30	Se II	5	772.385	N III	8	809.69	S IV	2
737.430	Ni III	11	772.891	N III	13	809.706	Co III	3
737.84	V IV	4	772.975	N III	13	810.502	Co III	12
738.474	S III	11	774.522	O V	8	810.940	Fe III	7
740.263	A II	3	775.957	N II	7	810.997	Cu II	5
741.43 ‡	Rb II	1	776.688	Co III	5	811.284	Fe III	7
743.122	Kr II	8	776.82	Ti IV	1	812.09	Zr III	14
743.70	Ne I	1	777.125	Cu III	3	812.869	Co III	13
744.92	S IV	3	778.528	K III	1	813.288	Fe III	7
744.920	A II	3	778.603	Cu III	4	813.382	Fe III	6
745.318	A II	3	779.14	Ti IV	1	813.882	Cu II	6
745.836	N II	12	779.300	Cu II	49	814.242	Fe III	7
746.02	Se II	5	779.683	Co III	5	815.060	Si IV	4
746.976	N II	8	779.821	O IV	8	815.555	Co III	12
747.989	Ni III	9	779.905	O IV	8	815.97	S IV	2
748.193	A II	3	781.78	Ti IV	1	*816.163	Fe III	6
748.40	S IV	3	781.983	Co III	5	816.273	Fe III	6
749.677	Ni III	8	782.084	Kr II	6	817.038	Fe III	6
750.053	Ni III	7	*783.715	Kr II	6, 8	818.121	Si IV	4
750.10	V IV	3	785.883	Co III	4	818.147	Kr II	6
750.23	S IV	3	786.476	S V	1	818.598	Fe III	6
750.983	Ni III	4	787.562	Co III	4	818.600	Co III	11
751.333	Ni III	6	787.710	O IV	1	819.57	Zr III	6
751.575	Ni III	9	788.073	Cu III	4	*820.20	Zr III	6, 6
752.023	Ni III	10	788.462	Cu III	3	821.161	Kr II	4
752.051	Kr II	8	788.75	Cl II	5	822.11	Zr III	13
753.76	S IV	3	788.984	S III	10	822.159	A V	1
754.817	A II	2	789.01	Cl II	5	823.177	P IV	3
756.687	Ni III	5	789.447	Co III	4	823.257	Fe III	5
757.201	Ni III	10	789.840	Cu III	3	823.60	Zr III	5
757.795	Ni III	4	790.103	O IV	1	824.733	P IV	3
758.212	Co III	7	790.197	Co III	4	824.887	S III	14
758.677	O V	3	790.203	O IV	1	825.403	Co III	11
*758.763	Ni III	4, 4	791.371	Cu III	4	*826.432	Kr II	3, 4
759.098	Ni III	6	793.065	Cu III	2	826.995	Cu II	4
759.440	O V	3	793.34	Cl II	5	827.055	A V	1
760.229	O V	3	793.47	Cl II	5	827.777	Fe III	5
760.445	O V	3	795.36	Cl II	5	827.932	P IV	3
760.825	Co III	7	796.661	O II	11	828.48	Se II	13
761.050	Kr II	7	796.678	Kr II	7	829.60	Ga II	3
761.130	O V	3	796.692	S III	9	830.377	Kr II	4
762.001	O V	3	797.452	Cu II	7	831.464	Fe III	5
762.192	A II	2	797.566	Cu III	1	832.328	Fe III	18
*762.775	Co III	6, 6	798.277	S IV	6	832.74	Se II	13
763.131	Co III	7	799.083	Kr II	7	832.754	O II	1
763.30	Zr III	7	800.477	S IV	6	832.927	O III	1
763.340	N III	2	801.086	A IV	2	833.326	O II	1
763.976	Kr II	7	801.154	Cu III	4	833.742	O III	1
764.33	Zr III	7	801.409	A IV	2	834.067	Fe III	5
764.357	N III	2	801.493	Co III	3	834.462‡	O II	1
764.866	Co III	6	802.841	Cu III	1	834.67	Cl II	4
764.959	Co III	7	803.996	S IV	6	834.878	A V	1
765.11	Zr III	7	805.345	Co III	3	834.944	Fe III	43
765.140	N IV	1	806.384	C II	8	835.096	O III	1
765.644	K III	1	*806.555	C II	8, 8	835.292	O III	1
766.202	Kr II	7	*806.684	C II	8, 8	836.315	S III	13
766.667	Co III	6	*806.846	C II	8, 8	*836.521	Fe III	18, 25

FINDING LIST—CONTINUED

I A	Spectrum	Multiplet No.	I A	Spectrum	Multiplet No.	I A	Spectrum	Multiplet No.
Vac			Vac			Vac		
836.62	Zr III	5	858.975	Co III	17	884.144	Kr II	3
837.439	Fe III	17	859.040	Kr II	4	884.430	Cu II	75
*838.048	Fe III	17, 33	*859.626	Fe III	2	884.600	Fe III	30
838.133	Co III	10	859.64	Zr III	5	885.48	Br II	5
838.936	Fe III	17	859.667	P III	4	885.842	Cu II	43
839.284	Co III	19	859.721	Fe III	2	886.302	Kr II	2
*839.319	Fe III	33	859.838	Fe III	11	886.515	Cu II	43
839.63	Cl II	4	860.315	Fe III	2	886.946	Cu II	41
840.029	A IV	1	860.462	S V	2	887.404	A III	1
840.141	Fe III	18	860.642	Ni III	2	888.07	Cl II	2
840.381	Fe III	25	861.284	Fe III	11	889.23	Br II	4
840.518	Fe III	33	*861.761	Fe III	2, 3	890.567	Cu II	41
841.088	Fe III	25	861.832	Fe III	2	890.755	Fe III	15
841.41	Cl II	4	862.011	Cu II	46	890.982	Kr II	2
841.44	Zr III	5	862.028	Fe III	2	891.172	Fe III	15
842.020	Fe III	32	862.191	Fe III	3	891.442	Fe III	15
842.057	Be II	2	862.23	Ge II	9	892.380	Mn III	1
842.142	Ni III	3	862.735	Fe III	2	892.411	Cu II	41
843.772	A IV	1	862.882	Ni III	2	*892.417	Fe III	49
844.058	Kr II	3	863.217	Ni III	2	893.045	Co III	15
844.097	Co III	18	864.034	Fe III	3	893.095	Co III	15
844.284	Fe III	4	*864.199	Cu II	42, 48	893.56	Cl II	2
844.310	Co III	19	*864.425	Fe III	3	893.674	Cu II	40
844.635	P III	5	864.67	Cl II	3	893.768	Mn III	1
844.866	Co III	10	*864.812	Kr II	3, 4	894.226	Cu II	41
845.242	Ni III	3	865.383	Cu II	46	894.30	A I	3
845.408	Fe III	4	865.896	Fe III	3	894.627	Mn III	1
845.656	P III	5	865.898	Co III	17	895.95	Cl II	2
845.925	Fe III	16	867.194	Ni III	1	896.504	Fe II	31
*846.534	Fe III	4	*867.508	Ni III	1, 1	896.64	Br II	4
*847.425	Fe III	4	*867.639	Fe III	11	896.753	Cu II	40
847.433	Ni III	3	868.869	Kr II	2	896.970	Cu II	40
847.578	Fe III	4	869.062	Cu II	43	897.790	Cu II	74
847.658	P III	5	869.336	Cu II	46	898.776	Fe II	31
847.700	Fe III	32	869.702	Ni III	2	898.957	O III	17
847.924	Fe III	4	870.007	Co III	16	899.417	Fe III	37
848.088	Co III	18	870.544	Cu II	43	*899.791	Cu II	41, 41
848.806	Cu II	48	870.845	Ni III	2	900.360	Fe II	31
849.241	S V	2	871.064	Cu II	42	901.034	Fe III	14
849.524	Fe III	32	871.099	A III	1	901.071	Cu II	40
850.318	Kr II	2	872.00	Cl II	3	903.609	C II	3
850.602	A IV	1	873.264	Cu II	42	903.950	C II	3
851.150	Fe III	31	873.462	Fe III	38	904.134	C II	3
851.300	Cu II	47	874.29	Zr IV	6	904.468	C II	3
851.332	Fe III	16	874.294	Co III	16	905.338	Fe III	14
851.842	Fe III	31	875.51	Ge II	9	905.98	Ge II	8
851.992	Fe III	31	875.534	A III	1	905.99	Br II	3
852.185	S V	2	876.06	A I	4	906.109	Cu II	40
853.74	Zr III	5	876.719	Cu II	45	906.63	Se II	4
854.073	Fe III	3	877.007	Cu II	44	906.87	S II	2
854.367	Fe III	16	877.559	Cu II	43	910.49	S II	2
*854.792	S V	2, 2	877.839	Cu II	43	910.518	Cu II	40
855.618	P III	4	878.543	Co III	9	911.384	Kr II	2
855.69	Zr IV	6	878.696	Cu II	43	911.72	Br II	3
855.701	Cu II	48	878.728	A III	1	912.74	S II	2
856.19	Br II	5	879.622	A III	1	912.89	Se II	12
856.506	Ni III	2	880.447	Fe III	24	913.989	P III	3
857.087	Ni III	1	880.949	Fe III	24	914.209	Cu II	38
857.392	Fe III	2	880.950	Co III	9	914.576	H	17
857.872	S V	2	881.088	Fe III	30	914.919	H	16
858.094	C II	4	882.147	Fe III	24	915.26	Br II	4
*858.482	Cu II	46, 47	883.179	A III	1	915.329	H	15
858.561	C II	4	883.688	Fe III	30	915.603	N II	2
858.565	Fe III	3	883.837	Cu II	45	915.824	H	14
858.602	Fe III	2	884.127	Cu II	44	915.955	N II	2

FINDING LIST—CONTINUED

I A	Spectrum	Multiplet No.
Vac		
*916.004	N II	2, 2
916.429	H	13
*916.700	N II	2, 2
917.130	P III	3
917.181	H	12
917.303	Cu II	38
917.434‡	Kr II	1
918.129	H	11
918.706	P III	3
919.351	H	10
919.78 ‡	A II	1
920.57	Ge II	8
920.963	H	9
921.16	Br II	4
921.863	P III	3
921.982	N IV	3
922.011	O I	8
922.017	Cu II	37
922.19	Cr III	4
922.411	Cu II	73
922.507	N IV	3
922.56	Br II	4
923.045	N IV	3
923.075	Co III	14
923.150	H	8
923.211	N IV	3
923.55	Cr III	4
923.669	N IV	3
923.884	Fe II	28
924.07	Cr III	4
924.239	Cu II	39
924.274	N IV	3
924.32	Cr III	4
924.970	Fe II	30
925.03	Cr III	4
925.045	Co III	14
*925.125	Cu II	38, 72
925.35	Cr III	4
925.49	Cr III	27
926.220	Fe II	25
926.226	H	7
926.52	Cr III	27
926.618	Fe II	30
926.900	Fe II	24
927.16	Cr III	27
927.176	Fe II	28
927.632	Fe II	30
928.107	Fe II	26
928.470	Fe II	29
929.538	Fe II	25
929.612	Fe II	28
930.030	Fe II	27
930.165	Fe II	29
930.219	Fe II	24
930.558	Fe II	26
930.748	H	6
931.142	Fe II	29
931.709	Fe II	27
932.046	A II	1
932.244	Fe II	26
*932.687	Fe II	24, 27
932.940	Cu II	36
933.382	S VI	1
934.703	Fe III	10
*935.074	Cu II	38
Vac		
935.25	Cu II	36
935.35	Cu II	36
935.783	Fe II	22
935.892	Cu II	35
936.484	Fe II	23
936.639	Co III	2
937.310	Co III	2
937.41	S II	6
937.69	S II	6
937.804	H	5
938.077	Co III	2
938.647	Co III	2
*938.967	Fe II	23, 58
939.060	Co III	1
939.159	Fe II	22
939.522	Cu II	34
940.79	Br II	3
941.660	Fe II	22
942.388	Co III	1
942.589	Fe II	56
943.267	Fe II	55
943.328	Cu II	36
*943.910	Fe II	58, 59
944.517	S VI	1
944.768	Co III	1
945.095	Fe II	57
945.193	C I	31
945.336	C I	31
945.45	Kr I	10
945.524	Cu II	36
945.566	C I	31
945.860	Cu II	35
945.976	Cu II	35
946.056	Fe III	10
946.52	Kr I	9
946.594	Co III	1
948.97	Br II	7
949.301	He II	19
949.354	He II	19
949.743	H	4
950.334	Fe III	36
950.669	P IV	1
950.722	Fe III	10
951.06	Kr I	7
951.871	F I	1
952.470	Fe II	53
953.42	Kr I	5
954.378	Cu II	71
954.786	Fe II	54
954.825‡	F I	1
955.335	N IV	8
955.545	F I	1
955.572	Fe III	46
956.286	Cu II	35
*958.149	Cu II	70
958.524	F I	1
958.671	He II	18
958.724	He II	18
960.409	Cu II	69
961.901	Fe III	45
962.655	Fe III	44
963.34	Kr I	8
963.93	N I	3
964.57	N I	3
964.962	Kr II	1
Vac		
965.07	N I	3
966.28	Cr III	11
967.197	Fe III	23
967.59	Cr III	11
968.037	Cu II	33
968.955	Fe III	23
969.26	Cr III	11
969.954	Fe III	23
970.478	Ni III	13
972.083	He II	17
972.138	He II	17
972.537	H	3
973.786	Ni III	13
974.759	Cu II	68
976.540	Cu II	33
976.708	Cu II	33
977.026	C III	1
977.567	Cu II	67
979.589	Ni III	13
979.842	N III	12
979.919	N III	12
981.373	Fe III	13
982.901	Mn II	9
983.240	Mn II	9
983.403	Mn II	9
*983.877	Fe III	13, 35
983.94	Se II	3
984.16	Zn II	2
984.530	Cu II	33
984.93	Br II	6
985.824	Fe III	13
986.54	Zn II	2
987.656	Cu II	33
988.775	O I	5
989.21	Y III	2
989.245	Cu II	31
989.790	N III	1
990.205	O I	5
990.235	Fe III	22
990.32	Si II	6
990.794	O I	5
990.800	Fe III	22
*991.232	Fe III	22, 29
991.514	N III	1
991.579	N III	1
991.829	Fe III	42
992.334	He II	16
992.391	He II	16
992.951	Cu II	32
993.080	Fe III	29
993.09	Si II	6
993.54	Si III	6
994.257	Fe III	9
994.724	Fe III	29
994.82	Si III	6
995.150	Fe III	21
995.829	Fe II	77
996.00	S II	5
996.37	Y III	2
997.081	Fe III	9
997.40	Si III	6
997.599	Fe III	21
998.000	P III	2
998.310	Cu II	31
999.11	Ge II	7

FINDING LIST—CONTINUED

I A	Spectrum	Multiplet No.
Vac		
999.37	Cr III	26
999.376	Fe III	21
999.493	O I	7
999.84	Cr III	19
1000.183	Fe II	77
1000.48	S II	5
*1000.86	Cr III	10, 19
1000.956	Mn II	8
1001.010	Cu II	27
1001.04	Cr III	26
1001.048	Kr I	6
1002.27	As II	8
1002.96	Cr III	26
1003.012	Mn II	17
1003.542	Kr I	4
1003.592	P III	2
1004.053	Cu II	30
1005.019	Mn II	8
1005.280	Cl III	1
1005.714	Mn II	17
1006.015	N III	17
1007.113	Fe III	9
1007.530	Mn II	8
1007.622	Mn II	17
1007.657	Fe II	76
1007.975	Fe II	75
1008.568	Cu II	29
*1008.726	Cu II	30, 66
1008.777	Cl III	1
1008.859	Mn II	17
1009.44	As II	3
1009.463	Mn II	17
1009.854	C II	7
1010.005	Fe III	9
1010.074	C II	7
1010.267	Cu II	65
1010.369	C II	7
1010.453	Cu II	65
1011.037	Fe II	74
1011.52 P	Cu II	27
1012.088	Fe II	76
1012.417	Fe II	75
1012.49	S III	2
1012.595	Cu II	27
1013.40	Se II	2
1014.01	Se II	11
1014.42	S II	4
1015.023	Cl III	1
1015.083	Fe II	76
1015.38	As II	3
*1015.51	S III	2, 2
1015.520	Fe II	74
1015.54 ‡	Br II	2
1015.76	S III	2
1016.41	Cr III	18
1016.64	Ge II	7
1017.09	Ge II	7
1017.14	Cr III	9
1017.254	Fe III	12
1017.31	Cr III	9
1017.57	Cr III	9
1017.745	Fe III	12
*1018.054	Cu II	26, 29
1018.286	Fe III	12
1018.705	Cu II	26
Vac		
1019.10	Ga II	7
1019.53	S II	4
1019.652	Cu II	26
1019.789	Fe III	41
1020.106	Cu II	28
1020.39	As II	3
1020.94	Cr III	18
1021.10	S III	2
1021.32	S III	2
1021.561	Fe III	41
1021.64	Cr III	18
1021.96	As II	3
1022.100	Cu II	27
1023.546	Mn II	7
1023.80	Ga II	7
1024.108	Fe III	41
1025.241	He II	15
1025.302	He II	15
1025.579	P IV	2
1025.722	H	2
1025.723	H	2
1025.766	O I	4
1026.790	Fe III	28
1027.421	O I	4
1027.46	Cr III	3
1027.830	Cu II	64
1027.995	Mn II	7
1028.131	P IV	2
1028.155	O I	4
1028.326	Cu II	26
1028.33	Cr III	3
1029.57	Cr III	3
1029.747	Cu II	24
1030.020	Kr I	3
1030.10	Cr III	3
1030.261	Cu II	25
1030.47	Cr III	2
*1030.545	P IV	2
1030.84	As II	3
1030.866	Mn II	7
1030.87	S II	9
1030.89	Cr III	2
1030.924	Fe III	28
1031.34	S II	9
1031.764	Cu II	26
1031.912	O VI	1
1032.123	Fe III	20
1033.135	P IV	2
1033.23	Cr III	2
1033.298	Fe III	28
1033.45	Cr III	2
1033.560	Cu II	63
1033.60	Se II	2
*1033.69	Cr III	1, 2
1033.69	Ga II	7
1033.99	Cr III	2
1035.160	Cu II	62
1035.29	Cr III	2
1035.542	P IV	2
1035.57	Cr III	2
1035.768	Fe III	20
1035.77	Cr III	2
1035.93	Cr III	1
1036.03	Cr III	1
1036.271	Be II	1
Vac		
1036.330	C II	2
1036.468	Cu II	58
1037.017	C II	2
1037.613	O VI	1
1037.80	Cr III	1
1038.355	Fe III	20
1039.226	O I	3
1039.345	Cu II	22
1039.569	Cu II	24
1040.05	Cr III	1
1040.17	Cr III	1
1040.41	Cr III	24
1040.53	Cr III	25
1040.932	O I	3
1041.34	Cr III	1
1041.686	O I	3
1044.516	Cu II	24
1044.742	Cu II	61
1045.06	Cr III	24
1045.14	Cr III	24
1048.218‡	A I	2
1049.00	Br II	2
1049.363	Cu II	22
1049.65	Se II	2
1049.754	Cu II	61
1050.153	Cu II	23
1050.399	Cu II	23
1052.170	Cu II	24
1054.690	Cu II	60
1055.02	Ge II	6
1055.269	Fe II	21
1055.795	Cu II	24
1055.89	Cr III	
1056.77	Br II	2
1056.952	Cu II	59
1057.41	Se II	10
1057.85	Cr III	
1058.796	Cu II	23
1059.094	Cu II	58
1059.13	Cr III	
1059.571	Fe II	21
1060.15	Cr III	8
1060.630	Cu II	23
1061.04	Cr III	8
1061.245	Fe III	40
1061.708	Fe III	40
1062.507	Mn II	16
1062.672	S IV	1
1062.68	Cr III	8
1062.758	Fe II	21
1063.003	Cu II	23
1063.83	Cl II	1
1063.872	Fe III	40
1063.982	Fe II	19
1064.32	Cr III	17
1064.43	Cr III	17
1064.76	Br II	1
*1065.12	Cr III	17, 17
1065.564	Mn II	16
1065.781	Cu II	57
1065.883	C II	12
1066.121	C II	12
1066.133	Cu II	24
1066.143	Fe III	27
1066.181	Fe III	26

FINDING LIST—CONTINUED

I A	Spectrum	Multiplet No.
Vac		
1066.23	Cr III	17
1066.660	A I	1
1067.729	Mn II	16
1068.190	Fe III	27
1068.356	Fe II	19
1068.41	Cr III	
1069.019	Fe III	27
1069.038	Fe II	20
1069.110	Mn II	16
1069.193	Cu II	23
1069.775	Mn II	16
1070.308	Cu II	22
1071.05 ‡	Cl II	1
1071.260	Fe II	20
1071.596	Fe II	19
1071.746	Fe III	26
1071.76	Cl II	1
1072.13	Cr III	16
1072.992	S IV	1
1073.522	S IV	1
1073.738	Cu II	23
1073.74	Cr III	16
1075.024	Fe III	26
1075.06	Ge II	6
1076.15	Cr III	16
1076.556	Fe II	52
1076.74	Cr III	32
1077.135	S III	8
1079.08	Cl II	1
1079.43	Cr III	32
1082.40	As II	7
1083.977	N II	1
*1084.568	N II	1, 1
1084.908	He II	14
1084.975	He II	14
1085.50	Ge II	5
1085.536	N II	1
1085.699‡	N II	1
1088.393	Cu II	56
1092.581	Co III	8
1093.066	Co III	8
1094.20	As II	6
1094.401	Cu II	21
1095.443	Co III	8
1095.96	Cr III	31
1096.57	S II	3
1096.616	Fe II	18
1096.793	Fe II	18
1096.886	Fe II	18
1097.049	Cu II	21
1097.782	Fe II	51
1097.82	Se II	9
1098.71	Ge II	5
1099.117	Fe II	18
1100.026	Fe II	18
1100.525	Fe II	18
1100.61	Cr III	23
1101.43	Cr III	23
1101.47	Br II	1
1101.538	Fe II	18
1101.91	Cr III	31
1102.32	S II	3
1102.385	Fe II	18
1102.758	Fe II	17
1102.88	Cr III	23

I A	Spectrum	Multiplet No.
Vac		
1104.44	Cr III	31
1104.978	Fe II	18
1106.215	Fe II	17
1106.362	Fe II	15
1106.76	Ge II	5
1108.157	Mn III	2
1108.35	Si III	5
1109.95	Si III	5
1111.104	Mn III	2
1111.114	Fe II	15
1111.898	Mn II	31
1112.086	Fe II	16
1113.174	Mn III	2
1113.20	Si III	5
1113.232	Mn II	31
1113.26	Cr III	30
1114.414	C I	30
1114.437	Mn II	31
1117.19	Cr III	22
1117.706	C I	29
1118.55	Cr III	30
1119.945	Cu II	20
1120.49	Ge II	5
1121.987	Fe II	12
1122.11	V III	3
1122.179	C I	28
1122.325	C I	27
1122.43	Cr III	22
1122.495	Si IV	3
1122.526	Fe III	1
1122.858	Fe II	13
1123.00	V III	3
1123.226	Cu II	20
1123.55	V III	3
1124.134	Fe II	14
1124.39	S II	8
1124.883	Fe III	1
1125.00	S II	8
1125.27	Cr III	30
1125.71	V III	3
1125.73	Cr III	22
1126.425	Fe II	13
1126.603	Fe II	14
1126.72	Fe III	1
1126.850	Fe II	12
1128.02	Fe III	1
1128.074	Fe II	14
1128.180	Fe II	50
1128.326	Si IV	3
1128.530	Fe II	194
1128.72	Fe III	1
1128.748	C I	26
1128.909	Fe II	13
1129.161	C I	25
1129.19	Fe III	1
1129.626	C I	24
1129.777	Fe II	49
1129.927	C I	24
1130.404	Fe III	1
1130.428	Fe II	12
1130.874	Fe II	48
1131.05	S II	8
1131.194	Fe III	1
1131.65	S II	8
1131.914	Fe III	1

I A	Spectrum	Multiplet No.
Vac		
1133.413	Fe II	50
1133.678	Fe II	11
1134.168	N I	2
1134.417	N I	2
1134.979‡	N I	2
1136.67	Cr III	
1138.039	Fe II	48
1138.625	C I	23
1138.642	Fe II	11
1139.037	C I	23
1139.142	C I	23
1139.794	C I	22
1139.894	C I	22
1140.070	C I	22
1140.391	C I	21
1140.688	C I	21
1141.705	C I	20
1141.94	Se II	7
*1142.334	Fe II	10, 11
1142.464	Fe III	39
1142.642	Cu II	19
1142.955	Fe III	39
1143.235	Fe II	10
1143.67	Fe III	39
1144.052	Fe II	156
1144.853	Cu II	19
1144.946	Fe II	10
1146.963	Fe II	10
1147.413	Fe II	10
1147.762	Cu II	19
1148.295	Fe II	10
1148.693	Fe II	155
1149.94	V III	2
1149.960	P II	3
1150.292	Fe II	10
1150.689	Fe II	10
1151.04	V III	2
1151.163	Fe II	10
1152.129	O I	6
1152.18	V III	2
1152.440	Fe II	10
1152.803	P II	3
1152.882	Fe II	10
1153.19	V III	2
1153.281	Fe II	10
1153.60	Cr III	29
1153.955	Fe II	10
1153.997	P II	3
1154.12	Cr III	29
1154.24	V III	2
1154.401	Fe II	10
1155.020	P II	3
1155.273	Fe II	157
1155.39	Cr III	29
1155.839	C I	19
1155.99	Se II	8
1156.059	C I	19
1156.345	Mn II	30
1156.502	C I	19
1156.619	C I	19
1156.658	Mn II	30
1156.834	Mn II	30
*1156.900	Mn II	30, 30
1156.91	Se II	1
1156.968	P II	3

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I A Vac	Spectrum	Multiplet No.
1157.333	C I	18
1157.391	C I	17
1157.825	C I	17
1157.871	Cu II	19
1158.017	C I	16
1158.107	C I	16
1158.398	C I	16
1158.729	C I	15
1159.004	C I	15
1159.085	P II	3
1159.347	Fe II	73
1159.77	V III	1
1161.295	Mn II	29
1161.43	Cr III	
1161.764	Mn II	29
1162.017	Mn II	4
*1162.351	Fe II	153
1163.27	V III	1
1163.325	Mn II	4
1163.870	N I	7
1164.211	Mn II	4
1164.314	N I	7
1164.868	Kr I	2
1165.269	Fe II	73
1165.823	Mn II	28
1166.157	Mn II	28
1166.47	V III	1
1166.53	Se II	7
1166.58	V III	1
1167.130	Mn II	28
1167.442	N I	6
1167.62	Ga II	6
1168.254	Mn II	28
1168.477	N I	6
1168.53	Se II	1
1169.28	V III	1
1169.280	Mn II	28
1169.531	Mn II	28
1171.606	Fe II	154
1173.78	Ga II	6
1174.916	C III	4
1175.248	C III	4
1175.566	C III	4
1175.700	C III	4
1175.973	C III	4
1176.351	C III	4
1179.846	Mn III	7
1181.18	Ge II	11
1183.030	N III	20
1183.305	Mn III	4
1183.870	Mn III	7
1183.98	Zr IV	1
1184.544	N III	20
1186.133	Mn III	7
1186.81	Ga II	6
1187.65	Cr III	
1188.502	Mn II	15
1188.935	C I	14
1189.074	C I	14
1189.556	C I	14
1189.660	C I	14
1190.17	S III	1
1190.42	Si II	5
1191.24	Ge II	11
1191.726	Mn III	4

I A Vac	Spectrum	Multiplet No.
1191.855	C I	13
1192.29 ‡	Se II	1
1192.313	Mn II	15
1192.480	C I	12
1192.777	Mn III	4
1192.923	C I	11
1193.005	C I	11
1193.284	C I	11
1193.31	Si II	5
1193.460	C I	11
1194.02	S III	1
1194.40	S III	1
1194.494	C I	10
1194.50	Si II	5
1194.998	Mn II	15
1195.973	Mn II	27
*1196.333	Mn II	27, 27
1196.517	Mn II	27
1196.724	Mn II	15
1197.14 P	Mn II	27
1197.172	Mn II	3
1197.19	Be II	5
1197.37	Cr III	15
1197.42	Si II	5
1197.570	Mn II	15
1197.996	Mn II	27
1198.630	Mn II	27
1199.341	Mn II	26
1199.388	Mn II	3
1199.550	N I	1
1200.218	N I	1
1200.707	N I	1
1200.97	S III	1
1201.124	Mn II	3
1201.42	Cr III	15
1201.570	Mn II	26
1201.71	S III	1
1201.76	Zr IV	1
1202.10	S III	1
1203.252	Mn II	26
1204.619	Mn II	26
1204.93	Cr III	15
1205.423	Mn II	26
1205.69	Se II	17
1206.38	Cr III	7
1206.425	Mn III	3
1206.52	Si III	2
1209.13	Cr III	7
1211.12	Cr III	7
1213.149	Fe II	71
1213.764	Fe II	72
1214.409	Fe II	70
1215.088	He II	13
1215.171	He II	13
1215.175	He II	13
1215.668‡	H	1
1215.674	H	1
1217.643	O I	9
1218.27	Se II	17
1219.792	Mn III	6
1219.85	Zr IV	1
1220.882	Fe II	70
1221.07	Cr III	
1221.90	Cr III	14
1221.94	Se II	16

I A Vac	Spectrum	Multiplet No.
1222.785	Mn II	25
1223.825	Mn III	6
1224.733	Mn II	25
1225.65	Cr III	14
1226.397	Mn II	25
1226.70	S II	7
1226.72	Cr III	14
1227.45	S II	7
1227.638	Mn II	25
1228.423	Mn II	25
1228.65	Cr III	14
1228.971	Mn III	5
1229.53	Cr III	14
1229.653	Mn II	43
1230.106	Mn II	43
1230.120	Mn III	5
1230.152	Mn II	43
1230.80	Cr III	21
1230.873	Mn II	43
1231.101	Mn II	43
1231.88	Cr III	
1232.96	Cr III	21
1233.36	S II	7
1233.660	Fe II	275
1233.92	Cr III	21
1233.952	Mn II	24
1234.14	S II	7
1234.507	Mn II	24
1234.872	Mn II	24
1234.88	Se II	16
1235.273	Mn II	24
1235.463	Mn II	24
1235.793	Mn II	24
1235.819‡	Kr I	1
1235.869	Mn II	24
*1236.148	Mn II	23, 24
1236.20	Cr III	21
1236.545	Mn II	23
1236.770	Mn II	23
*1236.873	Mn II	23, 23
1237.06	Ge II	4
1238.51	Cr III	21
1238.800	N V	1
1239.244	Mn III	5
1241.626	Mn II	42
1242.778	N V	1
1243.09	As II	2
1243.170	N I	5
1243.297	N I	5
1245.23	Cr III	6
1245.551	Mn II	42
1246.73	Si II	8
1247.368	C III	9
1247.659	Mn II	42
1247.86	Cr III	6
1248.40	Si II	8
1250.045	Cu II	90
1250.50	S II	1
1251.16	Si II	8
1251.42	Cr III	6
1252.12	V III	7
1252.61	Cr III	6
1253.79	S II	1
1253.99	V III	7
1254.410	Mn II	41

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I A	Spectrum	Multiplet No.
Vac		
1255.026	Ne III	13
1255.685	Ne III	13
1256.468	Mn II	41
1256.957	Mn II	41
1257.190	Ne III	13
1258.028	Mn II	40
1258.514	Mn II	40
1258.55	Cr III	6
1259.02	Cr III	20
1259.046	Mn II	41
1259.53 ‡	S II	1
1259.561	Mn II	41
1259.80	Cr III	5
1260.542	Fe II	9
1260.66	Si II	4
1260.670	C I	59
1260.745	C I	9
1260.955	C I	9
1261.12	C I	9
1261.282	Mn II	41
1261.560	C I	9
1261.86	Cr III	20
1261.91	Ge II	4
1262.34	Cr III	5
1263.61	Cr III	20
1263.78	As II	2
1264.21	Cr III	13
1264.447	Mn II	40
1264.71	Ge II	4
1265.04	Si II	4
1265.387	Mn II	40
1265.504	Cu II	91
1266.14	Cr III	5
1266.308	Cu II	89
1266.36 ‡	As II	2
1266.449	C I	58
1266.694	Fe II	9
1267.437	Fe II	9
1267.61	As II	10
1267.633	C I	57
1268.01	Cr III	5
1268.905	Mn II	40
1269.11	Cr III	13
1271.235	Fe II	9
1271.85	Cr III	13
1272.001	Fe II	9
1272.036	Cu II	102
1272.638	Fe II	9
1273.31	Cr III	5
1274.131	C I	8
1274.880	C I	56
1275.021	C I	55
1275.102	Mn II	59
1275.154	Fe II	9
1275.570	Cu II	89
1275.801	Fe II	9
*1275.973	Mn II	58, 58
*1276.238	Mn II	59, 59
*1276.772	Mn II	59, 59
*1277.120	Mn II	58, 59
1277.154	C I	7
1277.274	C I	7
1277.617	C I	7
1277.766	C I	7
*1277.817	Mn II	58, 58
Vac		
1278.749	Mn II	58
1279.089	Mn II	58
1279.251	C I	6
1279.898	C I	5
1279.91	Cr III	12
1280.154	C I	5
*1280.340	C I	5, 5
1280.646	C I	5
1280.892	C I	5
1281.01	As II	2
1282.450	Cu II	102
1282.49	Ti III	2
1283.566	Mn III	9
1284.041	Mn III	9
1284.09	Cr III	12
1284.23	V III	5
1286.38	Ti III	2
1287.05	Cr III	12
1287.464	Cu II	102
1287.57	As II	2
1287.583	Mn III	9
1287.88	V III	5
1287.978	Mn II	57
1288.055	C I	54
1288.445	C I	53
1288.633	C I	52
1288.674	Mn III	9
1289.132	Mn II	57
1289.32	Ti III	2
1289.42	V III	4
1289.983	C I	51
1290.204	Fe II	88
1290.525	Mn II	6
1290.926	Mn II	6
1290.93	Cr III	37
1290.97	Se II	14
1291.380	C I	50
1291.53	Cr III	37
1291.584	Mn II	6
1291.594	Fe II	87
1291.597	Mn III	9
1291.64	Ti III	2
1291.681	Mn III	9
1291.702	Mn II	57
1291.77	Cr III	37
*1292.77	V III	4
*1292.866	Mn II	57, 57
1293.26	Ti III	2
1293.649	Mn III	9
1294.41	Se II	15
1294.55	Si III	4
*1294.67	Ti III	1, 2
1294.803	Mn II	57
1294.914	Fe II	87
*1295.150	Mn II	57, 57
1295.62	S I	9
1295.91	Ti III	1
1296.088	Fe II	86
1296.18	S I	9
1296.72	Si III	4
1298.394	Cu II	101
*1298.67	Ti III	1, 1
1298.815	Fe II	87
*1298.90	Si III	4, 4
1298.95	Ti III	1
Vac		
1299.267	Cu II	89
1299.574	Co II	12
1299.984	Fe II	86
1301.12	Si III	4
1301.878	P II	2
1302.174‡	O I	2
1302.32	S I	9
1302.86	S I	9
1303.12	S I	9
1303.30	Si III	4
1304.41	Si II	3
1304.484	P II	2
1304.688	P II	2
1304.858	O I	2
1305.531	P II	2
1305.628	Mn II	56
1305.72	As II	2
1305.89	S I	9
1306.023	O I	2
1306.814	Mn II	56
1306.966	Co II	12
1308.296	Cu II	101
1308.89	Se II	15
1309.28	Si II	3
1309.34	Cr III	28
1309.463	Cu II	101
1309.877	P II	2
1310.569	N I	13
1310.646	C I	49
1310.685	P II	2
1310.967	N I	13
1311.374	C I	48
1311.856	Co II	12
1311.985	C I	47
1312.261	C I	46
1312.61	Si III	10
1313.31	V III	6
1313.471	C I	45
*1313.766	Mn II	56, 56
1314.147	Cu II	149
1314.335	Cu II	101
1315.00	Cr III	33
1315.419	Co II	12
1315.903	C I	44
*1316.155	Mn II	80
1316.40	Cr III	28
1316.59	S I	8
1317.25	V III	6
1317.38	Ni II	10
*1317.8 §§	Br I	3
1318.180	Co II	12
1318.25	Se II	14
1319.039	N I	12
*1319.209	Mn II	80
1319.717	N I	12
1320.687	Cu II	148
1322.83	Cr III	28
1323.52	S I	8
1323.745	Mn II	80
1323.758	Mn II	80
1323.784	Mn II	80
1323.916	C II	11
1326.394	Cu II	147
1326.629	N I	11
1326.64	S I	8

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I A	Spectrum	Multiplet No.
Vac		
1327.476	Mn II	79
1327.60	Ti III	4
1327.960	N I	11
1328.820	C I	4
1329.099	C I	4
1329.58	C I	4
1330.606	Mn II	79
1331.94	V III	9
*1333.054	Cu II	101, 163
1334.515	C II	1
1334.866	P III	1
1335.09	V III	9
1335.268	Mn II	79
1335.684‡	C II	1
1335.8	Cl I	2
1342.07	Ca II	2
*1344.343	P III	1
1344.45	Ni II	10
*1344.900	P III	1
1346.92	Si II	7
1347.2 ‡	Cl I	2
1348.55	Si II	7
1350.07	Si II	7
1350.58	Si II	7
1350.592	Cu II	147
1351.7	Cl I	2
1351.837	Cu II	147
1352.68	Si II	7
1353.75	Si II	7
1354.286	C I	43
1355.304	Cu II	147
1355.605	O I	1
1355.825	C I	42
1356.02	As II	1
1357.058	C I	41
1357.20	Cr III	36
1358.524	O I	1
1358.764	Cu II	3
1359.010	Cu II	173
1359.329	C I	40
1360.704	Mn III	8
1360.870	Fe II	111
1362.460‡	B II	1
1362.598	Cu II	147
1362.771	Fe II	152
1363.5	Cl I	2
1364.140	C I	39
1364.590	Fe II	103
1364.645	Mn III	8
1365.206	Mn III	8
1365.29	Cr III	36
1365.94	Cr III	36
1367.952	Cu II	2
1368.188	Mn III	8
1368.60	Cr III	36
1369.419	Mn III	8
1369.78	As II	5
1370.20	Ni II	8
1371.287	O V	7
1371.567	Mn III	8
1371.649	Mn III	8
1371.840	Cu II	162
1373.65	As II	1
1374.14	Ni II	9
1375.07	As II	4
Vac		
1377.938	Mn II	14
1377.98	Se I	11
1379.6	Cl I	1
1379.873	P III	7
1380.43	Ge II	10
1380.464	P III	7
1381.111	P III	7
1381.250	Fe II	152
1381.36	Ni II	8
1381.55	S I	7
1381.633	P III	7
1382.298	Mn II	14
1383.055	Mn II	14
1383.79	Cr III	35
1384.6	Br I	3
1385.51	S I	7
1385.892	Mn II	14
1388.39	S I	7
1389.16	S I	7
1389.79	V III	8
*1389.9	Cl I	1, 1
1391.61	Cr III	35
1392.27	Ge II	10
1392.59	S I	7
1393.126	Cu II	147
1393.73	Si IV	1
1394.61	As II	1
1395.43	Se I	8
1395.88	Se I	10
1396.10	S I	7
1396.5	Cl I	1
1397.581	Fe II	350
1398.636	Cu II	128
*1400.34 §§	Cr III	35
1401.29	Ge II	10
1401.50	S I	6
1402.73	Si IV	1
1402.776	Cu II	186
1404.45	Se I	8
1405.37	Se I	9
*1406.19	Ge II	10, 10
1406.37	Se I	9
1406.60	Se I	9
1407.160	Cu II	88
1408.8	Si II	14
1409.32	S I	6
*1410.912	Mn II	78
1411.937	N I	10
1412.834	Fe II	47
1412.85	S I	6
1413.707	Fe II	69
*1414.402	Mn II	78
1414.44 ‡	Ga II	2
1414.897	Cu II	87
*1415.755	Mn II	88
1416.84	Se I	11
1417.20	Si III	9
*1417.744	Fe II	143
1417.78	Zr IV	5
1417.949	Mn II	93
1418.423	Cu II	86
*1418.480	Mn II	88
*1418.632	Mn II	88
*1419.612	Mn II	78
1420.239	Mn II	93
Vac		
1420.39	Ge II	10
1421.760	Cu II	85
1424.047	Fe II	47
1424.747	Fe II	47
1425.043	Mn III	22
1425.10	S I	5
1425.932	Mn II	87
1426.325	Mn II	87
1427.232	Mn III	22
1427.589	Cu II	86
1427.835	Cu II	126
1427.85	Ge II	10
1428.366	Cu II	129
1430.243	Cu II	84
1430.790	Mn III	22
1431.595	C I	65
1432.115	C I	65
1432.538	C I	65
1432.785	Mn II	86
1433.1	Ca II	7
1433.28	S I	5
1433.497	Mn II	77
1433.837	Cu II	87
1434.257	Mn II	86
1434.3	Ca II	7
1434.443	Mn II	86
1434.758	Cu II	85
1434.916	Cu II	125
1435.28	Se I	8
1435.312	Cu II	128
1435.75	Se I	10
1436.233	Cu II	125
1436.94	S I	5
1437.125	Mn II	77
1438.9	Si II	13
1439.10	Zn II	6
1442.136	Cu II	83
1442.595	Mn II	77
1443.541	Cu II	100
1444.85	Se I	8
1445.982	Cu II	86
1446.749	Ni III	35
1446.78	Se I	9
1446.98	Se I	9
1448.20	S I	12
1449.056	Cu II	125
1449.16	Se I	8
1449.9	Br I	2
1450.307	Cu II	98
1451.75	Ti IV	3
1452.291	Cu II	85
1454.96	Ni II	7
1455.22	Ti III	5
1456.31	Se I	8
1456.90	Zn II	6
1457.175	Cu II	99
1457.40	Zn II	6
1457.572	Zn I	4
1458.004	Cu II	100
1458.29	Se I	9
1459.054	C I	38
1459.311	Fe II	193
1459.412	Cu II	126
1461.556	Cu II	84
1463.328	C I	37

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I A Vac	Spectrum	Multiplet No.
*1463.771	Cu II	98, 100
1465.043	Fe II	193
1465.542	Cu II	121
1465.605	Ni III	36
1466.067	Cu II	126
1466.519	Cu II	99
1467.25	Ti IV	3
1467.450	C I	36
1467.85	Ni II	6
1468.356	Co II	25
1469.21	Ti IV	3
1469.55	Zr IV	5
1469.691	Cu II	145
1470.20	C I	35
1470.697	Cu II	98
1471.860	Co II	25
1472.399	Cu II	1
1472.97	S I	4
1473.531	Cu II	125
1473.834	Fe II	193
1473.976	Cu II	83
1473.98	S I	3
1474.37	S I	3
1474.54	S I	3
1474.934	Cu II	125
1475.018	Co II	25
1475.846	Cu II	127
*1476.054	Fe II	189, 192
*1476.644	Mn II	85, 85
1478.588	Mn II	85
1478.795	Mn II	85
1481.541	Cu II	121
1481.65	S I	4
1481.771	C I	34
1482.69	Sr II	7
1483.05	S I	3
1483.24	S I	3
1484.251	Co II	25
1485.318	Cu II	141
1485.4	Si II	12
1485.61	S I	4
*1485.659	Cu II	82, 97
1486.265	Fe III	85
1486.483	Co II	25
1487.12	S I	3
1488.6 ‡	Br I	2
*1488.638	Cu II	82, 100
1488.99	Sr II	7
1492.149	Cu II	126
1492.254	Co II	25
1492.630	N I	4
1492.684	Cu II	185
1492.837	Cu II	126
1493.359	Cu II	161
1493.640	Fe III	85
1494.669	N I	4
1494.754	Mn II	84
1495.3 P	Br I	1
1495.426	Cu II	121
1495.622	Ni III	38
1496.686	Cu II	82
1498.65	Ti III	3
1499.510	Cu II	123
1499.843	Mn II	84
1499.953	Mn II	84

I A Vac	Spectrum	Multiplet No.
1500.44	Ni II	7
1500.91	Se I	7
1501.333	Cu II	125
1501.551	P III	6
1502.273	P III	6
1503.368	Cu II	124
1504.719	P III	6
1504.755	Cu II	119
1505.01	Ga II	5
1505.166	Fe III	85
1505.384	Cu II	118
1506.519	Ni III	37
1508.175	Cu II	121
1508.627	Cu II	117
1510.502	Cu II	144
1510.86	Ni II	6
1512.174	Cu II	114
1512.303	Be II	4
1512.451	Be II	4
1512.457	Cu II	115
1513.360	Cu II	143
1514.238	Cu II	144
1514.492	Cu II	116
1514.57	Ga II	5
1514.75	Zn II	5
1516.877	Mn III	20
1517.162	Cu II	142
1517.630	Cu II	97
1517.930	Cu II	146
1519.491	Cu II	82
1519.633	Mn III	20
*1519.832	Cu II	96, 143
1520.543	Cu II	172
1522.570	Mn III	20
1522.575	Cu II	121
1523.740	Cu II	171
1524.857	Cu II	143
*1525.653	Cu II	114
*1525.794	Cu II	119, 144
1526.045	Mn III	20
1526.70	Si II	2
1526.71	Ni II	
1530.365	Mn III	20
1530.39	Se I	6
1531.28	Sr II	6
1531.293	Fe III	84
1531.33	Se I	6
1531.644	Fe III	84
*1531.832	Cu II	96, 122, 142
1531.84	Se I	6
1531.864	Fe III	84
1531.9	Br I	2
1532.124	Cu II	116
1532.558	P II	1
1533.44	Si II	2
1533.44	Ni II	
1533.976	Cu II	116
1535.004	Cu II	96
1535.05	Zn II	5
1535.40	Ga II	5
1535.515	Cu II	160
1535.955	P II	1
1536.37	Ga II	5
1536.459	P II	1
1537.560	Cu II	115

I A Vac	Spectrum	Multiplet No.
1537.91	Sr II	6
1538.11	Ge II	3
*1538.488	Cu II	159, 184
1538.632	Fe III	84
1539.128	Fe III	84
1539.480	Fe III	84
1539.74	Al II	10
1540.231	Cu II	115
1540.391	Cu II	140
1540.589	Cu II	115
1540.8	Br I	1
1541.070	Mn II	92
1541.701	Cu II	96
1542.202	C I	64
1542.321‡	P II	1
1543.144	P II	1
1543.438	Cu III	32
1543.638	P II	1
1544.674	Cu II	119
1546.21	Zr IV	4
1547.12	Se I	7
1547.20	V II	20
1547.950	Cu II	118
1548.195	C IV	1
1548.867	Cu III	32
1550.196	Fe III	84
1550.260	Fe II	45
1550.644	Cu II	120
1550.768	C IV	1
1550.862	Fe III	84
1551.377	Fe III	84
1551.379	Cu II	117
1552.641	Cu II	114
1553.09	V II	20
1553.5	Ca II	6
1553.893	Cu II	114
1555.1	Ca II	6
1555.134	Cu II	114
1555.698	Cu II	113
1557.20	As I	14
1557.583	Cu II	116
1558.188	Mn III	19
1558.344	Cu II	139
1558.543	Fe II	46
1558.706	Fe II	46
1558.76	V II	20
1559.106	Fe II	45
1560.188	A II	14
1560.28	Se I	7
1560.313	C I	3
*1560.702	C I	3, 3
1561.292	C I	3
1561.40	C I	3
1562.50	Ca III	4
1562.95	As I	4
1562.98	V II	20
1563.1	Si II	11
1563.790	Fe II	45
1565.30	Si I	41
*1565.838	Mn III	19, 19
1565.925	Cu II	96
1565.98	V II	20
1566.411	Cu II	158
1566.825	Fe II	44
1568.031	Fe II	45

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I A	Spectrum	Multiplet No.
Vac		
1568.311	Mn III	19
1569.216	Cu II	96
1569.426	Cu II	115
1569.670	Fe II	44
1570.248	Fe II	45
1571.74	V II	20
1572.645	Co II	6
1572.750	Fe II	45
1573.78	V II	20
1573.831	Fe II	45
1573.85	Si I	40
1573.85	As I	14
1574.72	As I	4
1574.778	Fe II	44
1574.931	Fe II	45
1574.985	A II	14
1575.0	Br I	2
1575.26	Se I	5
1576.5	Br I	1
1576.76	Si I	39
1576.89	Ge II	3
1577.14	Cr III	73
1577.158	Fe II	45
1577.61	Se I	4
1577.90	Se I	4
1577.953	Mn III	19
1579.49	Se I	6
1579.492	Cu II	118
1580.025	Cu II	117
1580.04	Se I	6
1580.628	Cu II	117
1580.635	Fe II	44
1580.73	Cr III	73
1581.08	Ge II	3
1581.293	Fe II	44
1581.99	V II	19
1581.991	Cu II	115
1582.32	V II	19
1582.4	Br I	1
*1582.57	V II	19, 19
1582.80	V II	19
1582.849	Cu II	183
1583.683	Cu II	113
1583.799	Cu I	32
*1583.97	Si I	37, 38
1584.06	V II	19
1584.60	Cr III	73
1584.954	Fe II	44
1585.11	Ni II	
1585.361	V II	19
1585.871	Cu I	31
1586.00	Si I	37
1586.58	V II	19
1587.40	V II	19
1587.46	Se I	19
1588.295	Fe II	44
1588.642	Co III	59
1588.87	Cr III	73
1589.60	Si I	37
1589.76	Zn I	3
1590.164	Cu II	139
1590.49	Si I	36
1591.17	Si I	34
1592.07	Ni II	

I A	Spectrum	Multiplet No.
Vac		
1592.15	Si I	34
1592.35	Si I	36
1592.45	Si I	36
1593.19	Se I	6
1593.372P	Co III	59
1593.557	Cu II	139
1593.59	Zr III	29
1593.60	As I	4
1593.758	Cu III	13
1594.53	Si I	36
1594.92	Si I	34
1595.50	Si I	34
1595.597	Fe III	119
1595.773	Co II	6
1595.82	Si I	36
1597.83	Si I	34
1597.99	Si I	35
1598.06	Sc III	1
1598.402	Cu II	139
1599.00	Zr IV	4
1599.308	Co II	24
1599.701	Co II	24
1600.194	Cu III	13
1601.211	Fe III	118
1601.282	Co II	24
*1601.289	Fe III	118, 118
1602.000	Fe III	119
1602.250	Cu II	113
1602.364	Mn III	18
1602.387	Cu II	170
1602.52	Ge II	2
1602.588	Fe II	316
1602.984	C I	63
1603.12	Sc III	1
1603.146	Cu III	14
1603.19	Cr III	
1603.231	Mn III	18
1604.848	Cu II	169
1605.274	Cu II	112
1605.545	Mn III	18
1605.87	Si I	33
1605.962	Co II	6
1605.969	Cu III	25
1606.014	Fe III	119
1606.46	Se I	3
1606.730	Cu III	13
1606.834	Cu II	139
*1607.542	Cu III	25, 28
*1607.723	Fe III	118, 118
1608.02	Zr IV	4
1608.44	Ni II	
1608.446	Fe II	8
1608.638	Cu II	182
1608.92	Si I	33
1609.008	Mn III	18
1609.187	Mn III	18
1609.599	Cu III	25
1609.757	Cu III	25
1610.25	Sc III	1
1610.298	Cu II	139
1610.571	Cu III	25
1610.72	Se I	17
1610.933	Fe II	43
1611.113	Cu II	181
1611.26	Se I	18

I A	Spectrum	Multiplet No.
Vac		
1611.723	Fe III	118
1611.763	Fe III	118
1612.38	Zr III	29
1612.814	Fe II	43
1612.98	Sr II	5
1613.20	V II	99
1613.667	Mn III	18
1614.170	Mn III	18
1614.55	Si I	30
1614.60	Si I	32
1614.82	Ni II	
1615.89	Si I	31
1616.55	Si I	30
1616.607	Cu III	13
1616.91	Ni II	
1616.940	Cu I	31
1617.14	Ni II	
1617.172	Mn III	18
1617.35	V II	99
1617.35	Se I	3
1617.914	Cu II	157
1618.464	Fe II	8
1619.00	Si I	30
1619.18	V II	99
1619.53	Si I	29
1619.599	Mn III	18
1619.85	Ni II	
1620.35	Sr II	5
1620.39	Si I	30
1620.62	Zr III	29
1620.624	Mn III	18
1621.21	Se I	3
1621.316	Cu I	32
1621.426	Cu II	157
1621.45	Ni II	
1621.685	Fe II	8
1622.44	Cu II	112
1622.73	Se I	17
1622.87	Si I	30
1623.102	Fe II	43
1623.17	Cu II	110
1623.34	Si I	29
1623.57	B II	3
*1623.99	B II	3, 3
1624.37	B II	3
1625.278	Mn II	76
*1625.353	Mn II	76, 76
1625.525	Fe II	43
1625.58	Si I	29
1625.60	Al II	9
1625.71	Si I	27
1625.919	Fe II	8
1626.139	Cu III	13
1626.25	Se I	5
1626.411	Cu III	13
1627.029	Mn III	18
1627.03	Si I	29
1627.70	Si I	27
1628.295	Cu III	13
1628.85	Se I	4
1629.06	Se I	4
1629.124	Mn III	
1629.155	Fe II	8
1629.28	Ni II	
1629.47	Si I	29

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I A	Spectrum	Multiplet No.
Vac		
1629.867	Mn II	76
1629.940	Mn II	76
1629.96	Si I	27
1630.15	Si I	27
1630.27	Cu II	111
1630.82	V II	18
1631.11	Si I	26
1631.124	Fe II	8
1631.32	Zr III	29
1632.11	Zn I	2
1632.159	Ni III	17
1632.672	Fe II	43
1633.15	Si I	26
1633.51	V II	18
1633.6	Br I	1
1633.807	Mn III	
1633.90	Si I	28
1633.907	Fe II	43
1633.99	Si I	27
1634.353	Fe II	8
1635.389	Fe II	68
1635.86	V II	18
1636.02	V II	18
1636.334	Fe II	8
1636.61	Cu II	112
1636.755	Mn II	76
1636.869	Mn II	76
1637.400	Fe II	42
1637.77	V II	18
1637.93	V II	18
1638.32	Zr III	29
1638.956	Cu III	22
1639.13	V II	18
1639.403	Fe II	8
1640.15	V II	18
1640.167	Fe II	43
1640.332	He II	12
1640.474	He II	12
1640.474	Cu I	13
1640.490	He II	12
1640.86	V II	18
1641.761	Fe II	68
1642.187	Fe II	274
1642.208	Cu III	12
1642.761	Mn III	21
*1643.02	V II	18, 18
1643.39	Se I	4
*1643.43	V II	18, 18
1643.588	Fe II	42
1643.709	Mn III	21
1644.25	Ca II	5
1644.940	Mn III	21
1645.986	Co III	36
1646.187	Fe II	68
1646.604	Mn III	21
1647.161	Fe II	68
1647.492	Mn III	21
1647.823	Mn III	21
1648.408	Mn III	25
1649.20 ‡	Ge II	2
1649.265	Co III	36
1649.444	Fe II	42
1649.457	Cu II	139
1649.583	Fe II	68
1649.770	Ni III	17

I A	Spectrum	Multiplet No.
Vac		
1649.94	Ni II	
1649.96	Ca II	1
1650.119	Cu I	12
1650.301	Cu I	12
1650.709	Fe II	68
1651.05	Si I	25
1651.357	Mn III	21
1651.721	Cu I	30
1652.010	Cu III	12
1652.02	Ca II	1
1652.489	Fe II	42
*1652.791	Co III	36
1653.36	Si I	25
1653.570	Mn III	25
1654.105	Fe II	68
1654.484	Fe II	42
1654.574	Cu III	12
1655.042	Fe II	68
1655.318	Cu I	29
1656.255	C I	2
1656.326	Cu II	169
1656.918	C I	2
1656.998‡	C I	2
1657.368	C I	2
1657.891	C I	2
1658.113	C I	2
1658.472	Cu III	12
1658.671	Mn III	25
1658.785	Fe II	41
1659.487	Fe II	40
1659.757	Co III	58
1660.005	Cu II	169
1660.47	Si I	24
1660.53	V II	109
1660.60	As II	9
1661.27	V II	
1661.422	Co III	58
1662.369	Fe II	42
1663.003	Cu II	181
1663.226	Fe II	40
1663.34	V II	34
1663.60	V II	109
1664.303	Cu I	11
1664.54	Si I	24
1664.708	Cu I	11
1665.269	Co III	23
1665.42	V II	109
1666.36	Si I	23
1666.68	S I	11
1667.63	Si I	23
1667.647	Mn III	24
1667.66	V II	109
1667.88	V II	34
1668.032	Co III	23
1668.52	Si I	23
1669.010	Mn III	24
1669.671	A III	6
1670.01	V II	109
1670.140	Cu III	19
*1670.759	Fe II	40, 40
1670.81 ‡	Al II	2
1670.90	V II	34
1671.010	Fe II	40
1671.11	Si I	23
1671.15	Se I	3

I A	Spectrum	Multiplet No.
Vac		
1671.720	P I	2
1671.886	Cu III	18
1672.44	V II	17
1672.60	Si I	23
1672.77	Cu II	110
1673.425	A III	6
1673.448	Mn III	23
1673.470	Fe II	102
1674.258	Fe II	41
1674.602	Cu III	18
1674.661	P I	2
1674.716	Fe II	40
1675.05	Zr III	4
1675.23	Si I	23
1675.27	Se I	3
1675.637	A III	6
1675.81	Zr III	4
1676.80	Si I	22
1676.871	Fe II	41
1677.373	Cu III	31
1677.88	V II	17
1677.901	Co III	23
1679.151	Cu III	12
1679.25	Cr III	72
1679.388	Fe II	102
1679.564	Mn II	39
1679.578	Co III	23
1679.730	P I	2
1680.400	Mn II	39
1680.875	Mn III	23
1681.074	Co III	23
1681.481	Cu III	19
1681.70	Ne II	7
1682.67	Si I	21
1682.695	Cu III	26
*1683.15	Cu II	109, 110
1684.576	Mn II	75
1684.642	Cu III	12
1684.674	Cu I	28
1685.682	Cu I	10
1685.953	Fe II	41
1685.957	P I	6
1686.214	Cu III	22
1686.457	Fe II	40
1686.717	Fe II	39
1686.83	Si I	21
1687.043	Cu I	10
1687.06	Si I	21
1687.134	Cu III	12
1687.897	Ni III	25
1688.093	Cu I	28
1688.38	Ne II	7
1688.618	Cu III	27
1688.865	Cu I	27
1689.051	Cu III	24
1689.28	Si I	21
1689.488	Mn II	39
1689.614	Mn II	75
1689.821	Fe II	85
1689.858	Co III	22
1690.28	Cr III	71
1690.70	Se I	3
1690.77	Si I	21
1690.781	Fe II	85
1691.076	Cu I	27

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I A	Spectrum	Multiplet No.
Vac		
1691.246	Mn II	39
1691.289	Fe II	41
1692.11	V II	33
*1692.457	Mn II	102
1692.514	Ni III	16
1692.706	Cu III	17
1692.89	Cr III	71
1693.09	V II	33
1693.30	Si I	18
1693.47	Si I	21
1693.477	Fe II	85
1693.49	V II	33
1693.961	Fe II	41
1694.055	P I	6
1695.50	Si I	18
1696.008	Co III	22
1696.20	Si I	18
1696.64	Cr III	71
1696.800	Fe II	38
1697.181	Mn II	75
*1697.526	Mn II	102
1697.55	Si I	20
1697.96	Si I	18
1697.988	Co III	22
1698.176	Ni III	25
1698.18	Si I	19
1698.190	Fe II	40
*1699.09	Cu II	108
1699.199	Fe II	85
1699.70	Si I	18
1700.29	Cr III	34
1700.43	Si I	18
1700.60	Si I	16
1701.023	Cu III	31
1701.22	As I	13
1701.292	Cu I	30
1701.48	Cr III	71
1701.599	Ni III	30
1701.952	Fe II	85
1702.045	Fe II	38
1702.102	Cu III	11
1702.190	Cu III	26
1702.349	Cu III	26
1702.790	Co III	22
1702.81	Si I	16
1702.994	Cu III	11
1703.41	Ni II	5
1703.843	Cu I	8
1704.44	Si I	17
*1704.862	Mn II	102
1705.333	Cu III	21
1705.633	Cu III	30
1706.179	Fe II	38
1706.38	S I	10
1707.09	Si I	16
1707.13	S I	10
*1707.346	Ni III	25
1707.348	Co III	22
*1707.411	Fe II	84
1707.426	Ni III	30
1707.43	Cr III	71
1707.78	Cr III	
1707.951	Co III	22
1708.259	Fe II	84
1708.552	Ni III	25
Vac		
1708.627	Fe II	38
1708.68 P	Fe II	85
1708.958	Cu III	21
1709.036	Cu III	11
1709.560	Fe II	37
1709.678	Fe II	84
1709.60	Ni II	4
1709.901	Ni III	16
1711.0	Si II	10
1711.63	Cr III	34
1713.002	Fe II	38
1713.364	Cu I	7
*1714.390	Mn II	102
1715.036	Fe II	84
1715.303	Ni III	16
1715.507	Fe II	84
1715.931	Ni III	15
1715.982	Mn II	101
1716.251	Co III	22
1716.569	Fe II	39
1716.886	Ni III	15
*1717.72	Cu II	110
1718.123	Fe II	38
1718.365	Ni III	15
1718.52	N IV	7
1718.873	Ni III	30
1719.458	Ni III	16
1719.459	Al II	6
1719.892	Ni III	15
1720.00	Cr III	34
1720.042	Fe II	84
1720.621	Fe II	38
1720.708	Ni III	25
1721.256	Ni III	31
1721.279	Al II	6
1722.283	Ni III	16
1722.379	Cu III	11
1722.62	V II	129
1722.790	Ni III	30
1723.970	Co III	22
1724.291	Ni III	28
1724.523	Ni III	15
1724.847	Fe II	39
1724.963	Fe II	37
1724.981	Al II	6
1725.295	Mn II	101
1725.402	Fe II	346
1725.664	Cu I	9
1726.134	Co III	35
1726.394	Fe II	38
1728.139	Cu III	18
1729.78	V II	182
1729.80	As I	12
1730.483	Ni III	15
1730.576	Cu I	28
1730.670	Co III	57
1731.038	Fe II	110
1731.22	Cr IV	14
1732.253	Fe II	420
1732.44	As I	13
1732.545	Co III	35
1732.674	Cu I	29
1732.86	As I	12
1733.129	Ni III	15
1733.403	Fe II	110
Vac		
1733.557	Mn II	13
1734.491	Mn II	13
1735.400	Co III	35
1736.312	Co III	22
1736.50	Si I	81
1736.54	Cu II	109
1738.252	Ni III	15
1738.349	Mn II	13
1738.785	Ni III	28
1739.22	Cr IV	14
1739.33	V II	128
*1739.49	As I	3, 12
1739.508	Cu III	30
1739.833	Co III	35
1740.34	Si I	80
1741.378	Cu III	17
1741.56	Ni II	5
1741.574	Cu I	9
1741.963	Ni III	21
1742.59	As I	12
1742.734	N I	9
1743.311	Co III	63
1743.88	Si I	79
*1744.50	Cu II	109
1744.842	Mn II	91
1745.246	N I	9
1745.35	Si I	15
1745.674	Co III	57
1746.816	Fe II	101
1747.011	Ni III	15
1747.36	Si I	15
1747.86	N III	19
1747.996	Mn II	91
1748.130	Mn II	91
1748.30	Ni II	5
1748.99	V II	32
1749.728	Co III	28
1749.74	Si I	15
1750.391	Cu III	17
1751.24	N III	19
1751.75	N III	19
1751.854	Co III	29
1751.9	C I	62
1751.92	Ni II	4
1752.427	Ni III	21
1752.68	Si I	78
*1753.27	Cu II	108, 109
1753.377	Ni III	29
1754.37	Zr III	2
1754.81	Ni II	4
1755.65	Cr IV	13
1755.979	Co III	21
1757.76	V II	
1758.54	Cr IV	13
1758.60	As I	3
1759.15	Zr III	12
1759.56	Si I	77
1760.11	V II	
1760.354	Co III	21
1760.40	C II	10
1760.415	Fe II	100
1760 560	Ni III	21
1760.81	C II	10
1761.367	Co III	69
1761.379	Fe II	101

FINDING LIST—CONTINUED

I A	Spectrum	Multiplet No.
Vac		
1762.81	Sr II	14
1763.533	Co III	63
1763.67	Si I	14
1763.79	Al II	5
1763.95	Al II	5
*1764.688	Ni III	14, 28
1764.74	Zr III	3
1765.02	Si I	14
1765.61	Si I	76
*1766.03	Si I	14, 74
1766.34	Si I	14
1766.92	Cr III	
1767.084	Co III	21
1767.60	Al II	5
1767.938	Ni III	14
1768.869	Cu III	16
1769.60	Si I	74
1769.63	Sr II	4
*1769.643	Ni III	14, 14
1769.667	Fe II	100
1769.78	Si I	75
1769.957	Co III	21
1770.63	Si I	14
1770.94	Si I	14
1771.492	Ni III	14
1771.96	Zr III	3
1772.24	Si I	13
1772.518	Fe II	99
1773.215	Co III	73
1773.568	Co III	21
1773.788	Ni III	27
1773.95	Zr III	11
1773.96	Ni II	3
1774.418	Co III	73
1774.577	Co III	73
1774.820	Cu I	7
1774.942‡	P I	1
1776.118	Be II	3
1776.339	Be II	3
1776.85	Si I	13
1777.145	Co III	43
1778.091	Co III	21
1778.39	Sr II	4
1778.595	Mn II	100
1779.442	Ni III	21
1779.52	Zr III	2
1779.536	Co III	28
1780.046	Co III	21
*1780.52	V II	165
1780.52	As I	26
1781.279	Ni III	21
1781.48	As I	9
1781.702	Fe II	67
1782.25	S I	13
1782.747	Ni III	14
1782.830	P I	1
1782.966	Co III	21
1783.118	Co III	28
1783.23	Si I	73
1783.35	Zr III	2
1783.718	Mn II	100
1783.97	Sr II	1
1784.055	Co III	43
1784.11	Si I	73
1784.245	Mn II	100
Vac		
1785.07	V II	175
1785.262	Fe II	191
1785.705	Co III	69
1785.965	Co III	21
1786.07	Cr II	224
1786.342	Co III	43
1786.738	Fe II	191
1786.927	Ni III	14
1787.082	Co III	21
1787.686	P I	1
1787.997	Fe II	191
1788.30	V II	
1788.301	Ni III	29
1788.50	Ni II	5
1789.070	Co III	21
1789.373	Co III	43
1789.85	As I	10
1790.21	Zr III	3
1790.258	Co III	49
1790.28	Si I	72
1790.402	Ni III	27
1790.788	Mn II	100
1791.153	Co III	72
1791.277	Co III	21
1791.51	Cr II	224
1791.644	Ni III	14
1791.77	As I	9
1791.884	Mn II	100
1792.144	Co III	34
1792.410	Co III	21
1792.49	V II	176
1793.10	Sr II	1
1793.13	V II	175
1793.29	Se I	16
1793.371	Fe II	99
1793.60	Zr III	3
1793.924	Co III	28
1794.62	V II	
1794.804	Co III	72
1794.904	Ni III	14
1795.28	Se I	16
1796.200	Co III	72
1796.80	V II	
1797.33	Si I	70
1798.064	Co III	28
1798.15	Zr III	3
1798.163	Fe II	142
1799.14	Si I	71
1799.42	Ga II	4
1799.47	V II	98
1800.04	Zr III	2
1801.272	Mn II	100
1801.506	Ni III	20
1802.66	Ge I	7
1804.028	Mn III	
1804.3	N III	22
1804.48	Ni II	2
1805.28	Zr III	2
1805.5	N III	22
1805.535	Co III	49
1806.096	Co III	48
1806.15	As I	3
1806.22	V IV	10
1806.49	V II	98
1807.15	V II	76
Vac		
1807.31 ‡	S I	2
1807.74	Ca II	11
1808.01	Si II	1
1808.384	Co III	68
1808.48	Si I	69
1808.51	Cl III	7
1808.66	Cr II	18
1809.05	Si I	67
1809.316	Fe II	142
1809.36	V II	76
*1809.81	V II	76, 98
1809.88	V IV	7
1811.317	Co III	28
1811.466	Co III	49
1812.07	Ni II	24
1813.044	Co III	48
1813.186	Co III	49
1813.287	Mn II	99
1813.865	Mn II	99
1813.87	V II	31
1813.98	Ga II	4
1814.02	Si I	68
1814.09	Si I	67
1814.20	Co I	47
1814.219	Co III	48
1814.683	Co III	48
1814.93	V II	174
1815.04	Ca II	11
1815.063	Co III	56
1815.242	Mn II	99
1815.596	Co III	42
1815.686	Co III	42
*1816.287	Mn II	99, 99
1816.30	V II	
1816.617	Co III	33
1816.881	Mn II	90
1816.94 ‡	Si II	1
1817.265	Cu I	6
1817.42	Si II	1
1817.518	Co III	78
1817.626	Co III	48
1817.72	V IV	7
1817.73	Cl III	7
1817.87	Si I	66
1818.509	Fe II	66
1818.684	Co III	42
1819.01	Sr II	13
1819.18	Cr IV	16
1819.261	Co III	33
1819.330	Co III	56
1819.750	Mn II	99
1820.064	Co III	42
1820.37	S I	2
1820.42	Co I	46
1820.648	Mn II	90
1820.84	Cr II	18
1821.262	Co III	78
1821.688	Co III	48
1821.766	Co III	68
1822.046	Co III	56
*1822.150	Fe II	66, 66
1822.212	Mn II	99
1822.46	Si I	12
1822.50	Cl III	7
1823.049	Mn II	90

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I A	Spectrum	Multiplet No.
Vac		
1823.061	Ni III	20
1823.079	Co III	32
1823.61	V II	
1823.697	Mn II	99
1824.33	Ge I	7
1824.874	Co III	42
1825.04	Si I	12
1825.34	Cr II	4
1825.348	Cu I	6
1825.464	Co III	33
1825.85	V IV	7
1825.89	B I	3
1825.947	Co III	48
1826.16	Cr IV	12
1826.25	S I	2
1826.40	B I	3
1826.81	Cr IV	16
1826.991	Fe II	65
1827.079	Mn II	99
1827.094	Co III	42
1827.26	Cr III	46
1827.39	Cr IV	12
1828.250	Mn II	99
1828.35	Co I	51
1828.40	Cl III	7
1828.84	V II	
1829.674	Co III	55
1829.72	Cr III	46
1829.89	Si I	12
1830.006	Ni III	20
1830.075	Ni III	20
1830.093	Co III	26
1830.29	Cr IV	12
1830.581	Co III	32
1830.61	Cr II	4
1831.30	As I	2
1831.439	Co III	32
1831.724	Fe II	66
1831.88	Zr III	2
1831.916	Co III	26
1832.08	Cl III	7
*1832.201	Co III	47, 47
1832.47	Co I	48
1832.68	Ni II	2
1833.071	Fe II	66
1833.31	Cl III	7
1833.48	Zn II	8
1833.58	V II	75
1833.79	Cr IV	12
1834.34	Co I	50
1834.573	Mn II	99
1834.840	Co III	47
1834.99	Co I	45
1835.000	Co III	32
1835.255	Co III	26
1835.617	Co III	42
1835.687	Co III	55
1835.869	Fe II	98
*1836.200	Co III	47, 77
1836.23	Cr II	18
1836.52	Si I	11
1836.739	N I	8
1837.05	Cr III	46
1837.630	Co III	32
1837.840	Co III	47
Vac		
1838.00	Si I	65
1838.08	Ca II	4
1838.28	Co I	44
1838.309	Fe III	117
1838.86	V II	117
1839.535	Co III	77
1839.54	V II	75
1839.636	Co III	39
1840.00	Si I	65
1840.10	Cr IV	11
1840.21	Ca II	4
1840.55	Co I	49
1840.917	Cu III	15
1841.16	Si I	11
1841.387	Fe III	97
1841.47	Co I	47
1841.47	Si I	11
1841.701	Fe II	65
1842.256	Fe II	65
1842.34	Co I	45
1842.43	Ge I	7
1842.927	Fe III	97
1843.406	Ni III	34
1843.43	V II	75
1843.443	Co III	26
1843.6	Ca II	10
1843.77	Si I	11
1844.080	Mn II	98
1844.36	As I	11
1844.547	Fe III	117
1844.57	As I	25
1844.590	Fe II	397
*1844.942	Fe III	97
1845.074	Co III	47
1845.30	Ga II	4
1845.304	Fe III	117
1845.45	Sr II	13
*1845.521	Fe III	97, 97
1845.53	Si I	10
1846.13	Si I	11
1846.157	Co III	26
1846.514	Co III	32
1846.581	Fe II	98
1846.76	Sr II	12
1846.97	Ge I	20
1847.257	Ni III	33
1847.300	Co III	
1847.47	Si I	10
1847.780	Mn II	98
1847.825	Co III	
1847.89	Co I	46
1848.16	Si I	10
1848.160	Mn II	97
1848.231	Fe II	7
1848.266	Mn II	98
1848.75	Si I	11
1848.768	Fe II	141
1849.299	Co III	76
1849.407	Fe III	97
1849.464	Co III	
1849.473	Ni III	19
1849.540	Ni III	19
1849.932	Co III	76
*1849.960	Fe III	53, 63
1850.200	Fe III	97
Vac		
1850.24	As I	10
1850.503	Co III	
1850.68	Si I	10
*1850.780	Co III	41, 76
1851.10	Ca II	10
1851.517	Fe II	65
*1851.597	Mn II	96, 97
1851.80	Si I	64
1851.82	Cr IV	11
1851.937	Co III	26
1852.13	Cr II	33
1852.37	Cr II	33
1852.48	Si I	10
1852.52	Co I	48
1852.645	Co III	32
1852.71	Co I	45
1852.810	Mn II	98
1853.17	Si I	10
1853.266	Co III	54
1853.271	Mn II	12
1853.45	Zr III	10
1854.149	Ni III	19
1854.28	Co I	49
1854.384	Fe III	97
*1854.393	Co III	26, 67
1854.72	Ca III	6
1854.722	Al III	1
1854.763	Co III	53
*1854.826	Fe III	63, 63
1854.903	Mn II	98
1854.975	Fe III	63
1855.05	Co I	45
*1855.14	Cr II	33, 33
1855.20	Se I	15
1855.39	As I	11
1855.58	Fe I	41
1855.95	Al II	4
1856.13	Co I	45
*1856.690	Fe III	63
1856.700	Mn II	96
1857.018	Mn II	97
1857.918	Mn II	12
1857.935	Fe II	7
1858.05	Al II	4
1858.44	Cr II	33
1858.50	V II	108
1858.542	Fe III	63
1858.72	Cr II	33
1858.84	Se I	14
1858.924	P I	5
1859.119	Mn II	96
1859.401	P I	5
1859.444	Mn II	98
1859.510	Co III	41
1859.744	Fe II	65
1859.955	Fe III	63
1860.040	Fe II	97
*1860.10 §	Ge I	19
1860.12	Cr II	33
1860.40	As I	25
1860.46	As I	9
1861.56	V IV	9
1861.663	Mn II	12
1861.665	Fe III	63
1861.775	Co III	40

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I A	Spectrum	Multiplet No.
Vac		
1861.80	Si I	63
1862.318	Fe I	39
1862.34	Al II	4
1862.37	V II	108
1862.517	Mn II	12
*1862.660	Co III	54, 54
1862.76	V II	181
1862.782	Al III	1
1862.816	Mn II	96
1862.99	Cr IV	11
1863.134	Co III	31
1863.317	Fe III	62
1863.467	Co III	71
1863.54	Fe I	40
1863.826	Co III	31
1864.06	Zr III	1
1864.187	Co III	53
1864.403	Mn II	12
1864.617	Mn II	97
1864.656	Fe II	126
1864.743	Fe II	126
1865.04	Si I	63
1865.202	Fe III	154
1865.296	Mn II	96
1865.424	Co III	31
1865.456	Co III	40
1865.547	Mn II	96
1865.831	Mn II	12
1865.99	V II	97
1866.07	Fe I	42
1866.305	Fe III	52
1866.32	Cr II	156
1866.497	Co III	26
1866.554	Fe III	52
1866.68	V II	108
1866.815	Fe I	39
1867.47	V II	
1867.490	Co III	31
1867.747	Cu III	15
1868.796	Co III	41
*1869.47	V II	97, 108
*1869.828	Fe III	52, 52
1870.012	Co III	54
1870.28	Ca III	5
1870.634	Co III	40
1871.08	V II	30
1871.152	Fe III	52
1871.68	As I	9
1871.870	Co III	31
1871.952	Co III	31
1872.359	Fe I	39
1872.532	Co III	71
1872.575	Co III	31
1873.014	Co III	52
1873.02	As I	8
1873.052	Fe I	39
1873.11	Si I	9
1873.259	Fe I	39
1873.39	V II	108
1873.86	Cr IV	11
1874.27	Ge I	6
1874.355	Co III	40
1874.45	V II	97
1874.822	Co III	31
1874.86	Si I	62

I A	Spectrum	Multiplet No.
Vac		
1874.90	Sr II	12
1874.931	Fe II	65
1875.094	Co III	40
1875.536	Fe II	345
1875.82	Si I	9
1876.06	V II	108
1876.173	Fe II	141
1876.421	Fe I	39
1876.47	V II	30
1876.835	Fe II	97
1877.00	V II	97
1877.06	Zr III	19
1877.462	Fe II	125
1877.464	Co III	39
1877.544	Co III	40
1877.555	Mn III	
1877.989	Fe III	62
1878.28	Co I	
1878.53	Zr II	28
1878.849	Fe I	39
1878.90	V II	108
1879.05	Cr II	156
1879.244	Co III	31
1879.385	Co III	67
1880.046	Fe II	141
1880.14	Fe I	41
1880.43	V II	140
1880.449	Co III	52
1880.912	Co III	40
1880.96	Si I	9
1880.976	Fe II	126
1881.18	Ni II	24
1881.427	Co III	31
*1881.702	Co III	30, 30, 40
1881.86	Si I	8
1881.867	Co III	30
1881.96	As I	2
*1882.047	Fe III	62, 62
1882.323	Co III	40
1882.979	Fe III	62
1883.286	Co III	30
1883.35	Cr II	40
1883.816	Fe III	62
1883.98	V II	30
1884.45	Co I	42
*1884.596	Fe III	62, 62
1885.125	Fe III	96
1885.25	N III	24
1885.90	V II	116
1885.947	Fe III	96
1886.06	Ni II	23
*1886.469	Co III	39, 40
1886.742	Co III	
1886.757	Fe III	52
1886.82	N II	14
1887.197	Fe III	53
*1887.471	Fe III	52
1887.71	Si I	61
1887.761	Fe I	39
1887.96	Cr II	156
1888.32	Fe I	40
1888.55	P IV	5
1888.729	Fe II	125
*1889.451	Fe III	53
1890.42 ‡	As I	1

I A	Spectrum	Multiplet No.
Vac		
1890.55	Cr II	40
1890.669	Fe III	52
*1890.893	Fe III	53
1891.070	Fe III	96
1891.186	Fe III	96
1892.011	Co III	75
1892.073	Fe III	96
1892.140	Fe III	52
1892.247	Fe III	96
1892.70	Si I	60
1892.890	Fe III	96
1893.22	Si I	58
1893.52	Zr II	28
1893.54	Si I	59
1893.981	Fe III	83
1894.006	Fe II	125
1894.983	Fe III	96
1895.33	Sc III	5
1895.368	Co III	
1895.41	Si I	58
1895.41 P	Fe III	96
1895.456	Fe III	34
1895.46	Si III	1
1895.675	Fe II	124
1896.16	Ni II	1
1896.803	Fe III	83
1898.538	Fe II	140
1898.555	Se I	13
1898.92	Cr II	40
1899.795	Co III	75
1900.27	S I	1
1900.667	Fe II	362
1900.763	Co III	62
1901.096	Fe III	95
1901.34	Si I	57
1901.357	Co III	75
1901.540	Fe III	96
1901.61	Cl III	8
1901.75	Co I	
1902.076	Fe III	94
1902.78	Zr II	28
1903.37	Fe I	38
1903.370	Fe II	139
1903.86	V II	107
Air		
1904.66	Si I	56
Vac		
1904.72	Ge I	6
1904.784	Fe II	139
1905.354	Co III	66
1905.87	Co I	
1906.30	Ti II	3
1906.457	Fe III	108
1907.56	Ne II	9
1907.577	Fe III	83
1907.79	V II	80
1907.838	Mn II	11
*1908.11	N III	27, 27
1908.29	Ti II	3
1908.32	V II	80
1909.33	Ti II	3
1909.36	V II	80
1909.74	Ti II	3
1910.401	Fe III	57
1910.669	Fe II	124
1910.840	Co III	66

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I A	Spectrum	Multiplet No.
Vac		
1911.01	Ti II	3
1911.32	Zr II	27
1911.338	Fe III	135
1911.36	Cr II	155
1911.395	Mn II	10
1911.88	V II	80
1912.39	V II	80
1912.39	Ge II	1
1912.48	Sc III	5
1912.90	Cl III	8
1912.920	Fe III	57
1913.10	V II	80
1913.622	Fe III	57
1913.70	V II	80
1913.788	Se I	13
1914.056	Fe III	34
1914.11	Ti II	3
1914.32 P	Ti II	3
1914.398	A III	7
1914.676	Mn II	11
1914.68	S I	1
1914.91	V II	80
1915.083	Fe III	51
1915.095	Mn II	10
1915.564	A III	7
1915.750	Fe III	57
1916.16	Ne II	9
1916.507	Fe III	95
1917.21	As I	8
1917.337	Fe II	96
1917.351	Fe III	95
1917.453	Fe III	101
1917.62	Ge I	6
1917.79	V II	80
1917.87	Cl III	8
1918.114	Fe II	138
1918.284	Fe III	57
1918.480	Fe III	108
1918.638	Mn II	11
1919.120	Co III	20
1919.190	Se I	13
1919.35	V II	
1919.572	Fe III	107
1919.639	Mn II	10
1920.186	Fe III	95
1920.36	V II	9
1920.76	Zr II	27
*1920.86	N III	29, 29
1921.24	V II	164
1921.245	Mn II	10
1921.49	N III	29
1921.97	Zr III	18
1922.789	Fe III	51
1922.797	Fe II	138
1923.003	Fe III	95
1923.02	Cr II	155
1923.059	Mn II	11
1923.341	Mn II	11
1923.52	Ge I	18
1923.877	Fe III	57
1924.532	Fe III	79
1924.87	V II	195
1925.05	Co I	122
1925.260	Co III	38
1925.556	Mn II	11
Vac		
1925.987	Fe II	123
*1926.013 §§	Fe III	57
1926.304	Fe III	34
1926.579	Mn II	10
1926.90	Co I	39
1926.938	Mn II	10
*1927.481	Fe II	140, 140
1927.740	Co III	61
*1928.265	Fe III	95
1928.490	Co III	61
1928.570	Co III	20
1929.34	Co I	95
1929.61	V II	139
1929.67	Zn II	8
*1929.74	Cu II	107
1929.756	Co III	20
1929.89	Ge I	17
1929.96	Cr II	285
1930.11	Ne II	9
1930.387	Fe III	51
1930.431	Ni III	18
1930.437	Mn II	95
1930.479	Co III	25
1930.930	C I	33
1931.408	Mn II	10
1931.507	Fe III	61
1932.477	Fe II	139
1932.54	Zr III	36
1932.64	Cr II	273
1932.818	Fe III	95
1933.250	Co III	38
1933.28	V II	106
1933.426	Mn III	13
1933.97	V II	
1934.08	Ge I	5
1934.34	Co I	43
1934.34	Zr III	36
1934.528	Fe I	37
1934.734	Co III	38
1935.023	Co III	25
1935.296	Fe II	96
1935.58	Cr II	39
1936.392	Co III	38
1936.48	Zr III	39
1936.483	Mn III	13
1936.58	Co I	98
1936.65	Zr III	18
1936.717	Mn II	95
1936.781	Fe II	96
1936.933	Co III	20
1937.27	Zr III	18
1937.274	Fe I	35
1937.345	Fe III	51
1937.44	V II	106
1937.49	Ge I	6
1937.56	Cr II	39
1937.59	As I	1
1937.661	Co III	25
1937.68	V II	59
1938.00	Ge II	1
1938.27	Zr II	27
1938.32	Ge I	6
1938.42	Cr II	39
1938.50	V II	59
1938.70	V II	58
Vac		
*1938.775	Fe III	95
1938.899	Fe II	188
1938.90	Ge II	1
1938.901	Fe III	106
1938.92	Ne II	9
1939.07	V IV	6
1939.15	Cr II	136
1939.32	V II	106
1939.71	Ni II	1
1939.90	Cr II	285
*1940.018	Fe III	61, 107
1940.142	Mn III	13
1940.147	Co III	20
1940.16	Co I	95
1940.20	Zr III	22
1940.380	Mn III	13
1940.649	Fe I	37
1940.86	V II	59
1941.062	A II	13
1941.09	Zr III	18
1941.227	Mn III	13
1941.27	V II	59
1941.28	Co II	5
1941.40	V II	59
1941.460	Co III	38
1941.633	Fe III	79
1941.730	Co III	38
1942.35	V II	106
1942.369	Co III	20
1942.497	Co III	38
1942.646	Mn II	95
1942.796	Co III	38
1943.12	Ca III	13
1943.133	Mn III	13
1943.481	Fe III	51
1943.64	Co I	97
1944.168	Mn II	94
1944.557	Mn III	13
1944.586	Cu II	17
1944.66	Ge I	5
1944.794	Mn II	94
1945.070	Fe I	35
1945.09	Co I	104
1945.150	Mn II	94
1945.234	Co III	20
1945.294	Fe I	37
1945.342	Fe III	61
*1945.35 §§	V II	58
1945.64	V II	106
1945.98	Cr II	136
1946.11	Zr III	39
1946.219	Fe I	35
1946.335	Mn II	95
1946.49	Cu II	106
1946.62	Zr III	18
1946.79	Co I	100
1946.792	Co III	25
1946.978	Fe I	36
1947.439	Mn III	13
1947.626	Co III	20
1947.945	Mn II	94
1948.10	Zr II	27
1948.277	Mn II	94
1948.372	Fe II	123
1948.51	Cr II	136

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I A	Spectrum	Multiplet No.
Vac		
1948.655	Co III	20
1949.00	Co I	95
1949.00	Cr II	205
1949.22	Cr II	272
1949.276	Mn III	13
1949.462	Fe III	79
1949.666	Fe III	95
1949.805	Co III	20
1950.06	Cr II	272
1950.098	Co II	5
1950.223	Fe I	37
1950.334	Fe III	116
1950.911	Co III	25
1950.919	Mn II	94
1950.961	Co III	60
1951.007	Fe III	68
1951.44	Co I	99
1951.48	V IV	6
*1951.556	Fe I	35, 37
1951.90	Co I	103
1952.158	Co III	24
1952.262	Fe I	37
1952.285	Mn III	13
1952.430	Mn III	13
1952.540	Ni III	24
1952.596	Fe I	36
1952.648	Fe III	68
1952.997	Fe I	35
1953.234	Mn II	94
*1953.322	Fe III	68, 82
1953.41	Ni II	34
1953.488	Fe III	82
1953.71	Co I	38
1953.942	Co III	20
1954.22	Co I	95
*1954.223	Fe III	61, 61
1954.791	Co III	25
1954.855	Mn II	94
1954.876	Co III	46
1954.96	Si I	55
1954.975	Fe III	116
1955.14	Ge I	5
1955.17	Co I	105
1955.505	Co III	46
*1955.690	Fe I	36, 37
1955.793	Co III	20
1955.93	Cr II	205
1956.011	Co III	20
1956.026	Fe I	35
1956.22	Co I	41
1956.552	Mn III	12
1956.964	Ni III	18
1956.97	Ni II	44
1957.424	Co II	5
1957.51	Cu II	105
1957.69	Co I	39
1957.831	Fe I	36
*1957.90	V I	55, 55
1957.938	Fe III	147
1957.96	Si I	55
*1958.121	Fe II	169, 170
1958.18	V I	55
1958.55	Co I	
1958.583	Fe III	55
*1958.598	Fe I	35, 37
Vac		
1958.739	Fe I	36
1958.91	As I	24
1958.94	Co I	101
1959.12	V I	54
1959.324	Fe III	61
1959.36	V I	54
1959.414	Co III	25
1959.78	Ge II	14
1959.97	V I	54
1960.129	Fe I	35
1960.318	Fe III	82
1960.358	Mn II	94
1960.901‡	Se I	2
1961.00	Co I	95
1961.230	Fe III	61
1961.236	Fe I	37
1961.26	Co I	39
1961.356	A II	13
1961.450	Co III	60
1961.59	Co I	
1961.69	V I	55
1962.03	Zr III	39
1962.031	Fe I	35
1962.100	Fe I	35
1962.11	Ge I	16
1962.717	Fe III	61
1962.746	Fe I	36
1962.871	Fe I	36
*1963.00	Cr II	205, 223
*1963.110§	Fe I	35
*1963.110§	Fe II	169, 170
1963.13	V IV	6
1963.38	Co I	95
1963.431	Mn III	12
1963.47	V I	55
1963.55	Co I	122
1963.629	Fe I	36
1963.638	Mn III	13
1963.743	Co III	24
1963.85	Ni I	47
*1964.019	Fe III	82
1964.03	Co I	94
1964.043	Fe I	35
1964.169	Fe III	82
*1964.260	Fe III	61
1964.27	V I	54
1964.330	Fe II	170
1964.43	Sr II	11
1964.689	Ni III	24
1964.776	Fe III	82
1965.07	V I	55
1965.26	V I	54
1965.309	Fe III	106
1965.35	Ni II	44
1965.39	Ge I	5
*1966.201§	Fe III	61
1966.25	Zr III	18
1966.33	Ge II	14
1966.52	V I	54
1966.68	Co I	103
1966.740	Fe III	116
1966.76	V I	55
1967.78	Co I	100
1967.98	V I	54
1968.69	Co I	
Vac		
1968.90	Ni I	23
1968.93	Co I	97
1969.57	V I	54
1970.054	Co III	24
1970.489	Cu II	18
1970.71	Co I	102
1970.77 P	Co I	37
1970.771	Fe I	36
1970.89	Ge I	6
1971.16	Co I	96
1971.75	Co I	41
1971.889	Co III	24
1972.48	V I	54
1972.52	Co I	99
1972.62	V II	163
1972.62	As I	1
1972.796	Mn III	12
1973.85	Co I	101
1973.911	Fe I	36
1974.059	Fe I	36
1974.39	Co I	95
1974.883	Co III	51
1974.99	Zr III	36
1975.375	Mn III	12
1975.42	V I	54
1975.67	Co I	
1976.126	Fe III	54
1976.54	Zr II	76
1976.62	V II	127
1976.87	Ni I	47
Air		
1976.96	Si I	7
Vac		
1976.97	Co I	40
1977.02	Cu II	107
1977.031	Co III	24
1978.36	Co I	95
Air		
1978.57	Si I	7
Vac		
1978.879	Mn III	
1978.948	Co III	45
1978.96	V II	138
1979.29	Ge II	1
1979.709	Mn III	12
1979.947	Cu II	17
Air		
1980.00	Si I	7
Vac		
1980.00	Ni II	34
1980.04	V II	127
1980.113	Co III	24
1980.59	V II	127
1980.59	Co I	39
1980.89	Co I	
1981.345	Co III	24
1981.53	V II	127
1981.61	Ni I	47
1981.97	Co I	37
1982.06	V I	53
1982.076	Fe III	54
1982.41	V II	127
1982.45	V I	53
1982.49	V IV	5
1982.52	Co I	37
1982.538	Ni III	24

FINDING LIST—CONTINUED

I A	Spectrum	Multiplet No.
Air		
1982.60	Si I	7
Vac		
1982.690	Mn III	
1982.805	Fe III	56
1982.81	Co I	100
1983.37	V I	53
1983.676	Fe III	81
Air		
1983.82	Si I	54
Vac		
1984.027	Fe III	86
1984.05	V II	
1984.288	Fe III	81
1984.91	V I	53
1985.105	Fe III	56
1985.36	Co I	38
1985.52	Cr II	31
1985.58	Cr IV	15
1985.67	Cr II	31
1985.717	Mn III	12
Air		
1985.73	Si I	7
Vac		
1986.770	Mn III	12
1987.15	Co I	37
1987.43	Cr II	154
1987.503	Fe III	50
1987.65	Co I	99
1987.810	Fe III	56
1988.28	Ge I	5
Air		
1988.36	Si I	7
Vac		
1989.00	Cr I	49
1989.518	Mn III	
*1989.645	Co III	24, 51
1989.80	Co I	94
1989.82	V I	53
1989.849	Cu II	15
Air		
1989.85	Al II	8
Vac		
1989.93	Cr I	48
1989.975	Fe III	50
1990.158	Mn III	12
1990.22	Cr IV	15
1990.25	Ni I	47
1990.27	Cr I	48
1990.34	Co I	97
1990.35	As I	7
1990.75	V IV	5
1990.79	Cr II	236
1991.13	As I	7
1991.22	Cr I	48
Air		
1991.23	Si I	53
Vac		
1991.613	Fe III	50
*1992.017	Fe III	81
1992.13	Cr I	48
1992.158	Co III	45
1992.196	Fe III	81
1992.66	Cr I	48
1992.72	Cr III	49

I A	Spectrum	Multiplet No.
Vac		
1992.79	Co I	
1992.80	V II	
1992.858	Fe III	106
1993.262	Fe III	50
1993.289	Fe II	95
1993.37	Cr II	31
1993.625	Co III	24
1993.63	Cr II	31
1993.65	C I	32
1993.96	Sc III	4
1994.073	Fe III	50
1994.11	Cr I	48
1994.29	Ni I	20
1994.56	Cr I	48
1994.857	Fe II	228
1994.88	As I	24
1995.00	Sr II	11
1995.11	Se I	22
1995.266	Fe III	50
1995.397	Co III	24
1995.43	As I	23
1995.563	Fe III	50
1995.71	Cr I	49
1995.74	Ni II	33
1995.78	Sr II	11
1995.88	Zr II	44
*1996.420	Fe III	50, 50
1996.69	Zr II	44
1997.10	Cr I	49
*1997.30	Cr I	48, 49
1997.74	V IV	5
1997.90	Cr I	48
1998.14	Cr II	204
1998.49	Co I	37
1998.91	Ge I	5
1999.32	V IV	5
*1999.430	Fe II	186, 187
*1999.588	Fe III	55, 81
Air		
1999.97	Cr I	48
Vac		
2000.07	Zr II	90
Air		
2000.12	Co I	93
2000.14	V II	
Vac		
2000.228	Fe III	81
2000.23	Zr III	35
2000.339	Cu II	16
Air		
2000.368	Fe II	122
2000.49	Ni I	43
2000.61	Cr I	48
2000.76	Cr II	236
2000.794	Co II	4
2001.14	V II	
2001.258	Fe III	55
2001.36	Cr II	54
2001.43	V II	162
2001.65	V II	
2001.65	Cr II	54
2001.80	Zr II	76
2001.83	Ni I	44
2001.94	Cr III	49
2002.00	Zr III	32

I A	Spectrum	Multiplet No.
Air		
2002.32	Co I	37
2002.47	V IV	5
2002.54	As I	7
2002.71	Cr II	31
2002.99	Cr II	31
2003.18	Zr II	54
2003.34	As I	7
2003.491	Fe III	55
2003.55	Cr I	49
2003.88	Cr II	32
2003.881	Fe II	83
2004.03	Cr II	32
2004.24	Cr II	53
2004.27	Ni II	33
*2004.34	Cr II	32, 32
2004.77	V II	162
2004.95	Cr I	49
2005.50	Cr II	17
2005.77	Cr I	48
2005.88	V II	
2006.260	Fe I	
2006.262	Fe III	55
*2006.61	Cr II	17, 54
2006.82	Zr III	9
2006.88	V II	147
2006.91	Cr II	54
2007.01	Ni I	46
2007.013	Fe II	187
2007.05	Ge II	1
2007.18	Cr II	31
2007.215	Fe I	
2007.39	Cr II	31
2007.452	Fe II	83
2007.66	V II	126
2007.69	Ni I	23
2007.711	Fe II	83
2007.841	Fe III	55
2008.28	Co I	38
2008.43	Si I	6
2008.70	V I	51
2009.19	As I	23
2010.04	As I	22
2010.10	Co I	37
2010.15	V II	95
2010.48	Sc III	4
2010.48	V I	52
2010.688	Fe II	122
2010.97	Si I	6
2011.06	Co I	94
*2011.13	Cr II	3, 17
2011.15	V IV	5
2011.213	Mn III	17
2011.31	Ge I	15
2011.515	Mn III	17
2011.539	Fe III	86
2011.54	V I	63
2011.546	Co II	4
2011.613	Co III	50
2012.12	Cr II	53
2012.21	Cr II	17
2012.23	Cr III	53
2012.30	Sc III	4
2012.35	V I	63

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I A	Spectrum	Multiplet No.
Air		
2012.43	Cr II	53
2012.58	Cr II	53
*2012.64	V II	96, 162
2012.66	Zr II	76
2012.677	Fe III	86
2012.74	Cr II	249
2012.76	As I	24
2012.84	V II	147
2012.96	Cu II	80
2013.268	Fe II	83
2013.32	As I	23
2013.442	Mn III	17
2013.65	Cr II	3
2013.79	Cr III	53
2013.881	Co III	50
*2014.18	V II	95, 147, 162
2014.18	V IV	5
2014.25	Ni I	47
2014.68	Cr III	53
*2015.02 §	V II	126
2015.067	Fe III	86
2015.500	Fe II	83
2015.56	V II	147
2015.576	Cu II	18
*2015.74	V II	96, 147
2015.86	Zr II	54
2015.87	Cr II	30
2016.092	Fe II	187
2016.17	Co I	91
2016.261	Mn III	17
2016.36	Ni I	45
2016.512	Fe I	84
*2016.53	V II	96, 96
2016.885	Cu II	15
2016.90	Cr II	3
*2017.090§	Fe I	
*2017.090§	Fe II	83
2017.46	V II	126
2017.48	Cr II	17
2017.855	Fe II	186
2018.373	Mn III	17
2018.66	Sr II	10
2018.772	Fe II	94
2019.03	Ni II	43
2019.08	Ge I	4
2019.47	V II	96
2020.31	Cr II	17
2020.54	V II	96
*2020.69	Cr II	17, 249
2020.739	Fe II	83
2020.83	V II	126
2020.98	Ni II	43
2021.38	V II	
2021.56	Cr II	53
2021.83	V II	126
2021.89	Cr II	29
*2022.10	Cr II	29, 53
2022.125	Mn III	17
2022.364	Co II	4
2022.66	V II	
2022.776	Fe II	361
2023.154	Mn III	17
2023.472	P I	10
2023.56	V II	162
2023.715	Fe II	187

I A	Spectrum	Multiplet No.
Air		
2024.20	Cr II	30
2024.335	Cu I	5
2024.36	Cr I	46
2024.546	P I	10
2024.84	V II	95
2025.33	Zr II	76
2025.40	Ni I	22
2025.47	V II	95
2025.475	Cu II	17
2025.512‡	Zn II	1
2025.58	Cr II	2
2025.82	Mg I	2
2025.87	Cr I	47
2026.51	Co I	37
2026.61	Zr II	90
2026.62	Ni I	19
2026.861	Mn III	11
2027.016	Mn III	11
2027.047	Co II	4
*2027.13	Cu II	81, 138
2027.231	Mn III	11
2027.62	V I	50
2027.69	Cr II	249
2027.773	Mn III	17
2027.778	Fe II	186
2027.964	Mn III	
2028.13	Cr I	47
2028.35	Cr I	47
2028.42	V I	50
2028.68	Cr I	46
2028.88	V II	
2029.182	Fe II	93
2029.20	Ni II	43
2029.29	Ni I	44
2029.339	Mn III	17
2029.36	V I	50
2029.42	Cr I	47
2029.87	Zr II	90
2029.93	Cu II	79
2029.94	Zr III	34
2030.73	Zr II	54
2031.023	Cu II	79
2031.40	V II	
2031.439	Mn III	11
2031.96	Co I	33
2032.27	V I	50
2032.30	Ni II	33
2032.407	Fe II	94
2032.447	P I	10
2032.722	Co II	19
2032.95	Cr I	47
2033.42	Ni II	15
2033.489	P I	10
2033.50	V II	
2033.56	Ni I	39
2034.06	V I	50
2034.24	Cr I	47
2034.424	Mn III	11
2034.44	Ni I	43
2034.461	Fe II	186
2034.88	Cr II	29
2034.90	Ni I	23
2035.06	V II	
2035.07	Ni I	43
2035.30	V I	50

I A	Spectrum	Multiplet No.
Air		
2035.42	Zr III	33
2035.78	V II	
2035.845	Cu II	15
2036.35	Cr I	47
2036.39	Cr III	69
2036.435	Fe II	137
2036.585	Mn III	17
2036.845	Fe III	60
2036.92	Zr III	33
2036.98	Cr II	153
2037.119	Cu II	16
2037.214	Mn III	11
*2037.26	Cr II	135, 222
2037.50	V II	
2037.58	Zr II	85
2037.83	V II	
2038.64	Cr II	222
2038.675	Co II	19
2038.85	V I	50
2038.874	Mn III	11
2038.908	Fe III	60
2039.29	V II	79
2039.37	Cr I	47
2039.507	Fe III	134
2039.63	Cr III	69
2039.84	Zr II	76
2039.851	Se I	2
2039.90	Cr II	2
2039.95	Co I	92
2040.23	Mg III	6
2040.407	Fe III	71
2040.42	Cr II	28
*2040.68	Cr II	28, 28
2040.687	Fe II	93
2041.00	V I	51
2041.02	Cr II	28
2041.11	Co I	
2041.16	Ni I	46
2041.204	Fe I	
2041.49	Ti II	11
2041.57	Cr II	28
2041.72	Ge I	3
2041.74	V I	
2041.80	Cr II	28
2042.72	Cr I	45
2042.78	Cr II	135
2043.06	Cr I	47
2043.13	V I	
2043.26	Ti II	11
2043.37	Co I	91
2043.79	Ge I	4
2043.791	Cu II	15
2044.034	Fe III	71
*2044.28 §	V II	188
2044.302	Fe III	71
2044.486	Mn III	11
2044.76	Cr II	135
2044.970	Fe III	60
2045.30	Cr II	27
2046.98	Cr II	28
2047.23	Cr III	69
2047.241	Fe I	116
2047.32	Cr II	153
2047.35	Ni I	42
2047.57	As I	22

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I A	Spectrum	Multiplet No.
Air		
2047.65	Cu II	180
2048.492	Fe II	121
2048.75	V II	
2048.840	Mn III	
2049.32	Cr I	45
2049.384	Fe III	71
2049.597	Mn III	11
*2049.67	V II	146, 203
2050.32	Cr II	135
2050.739	Fe III	60
2050.75	Co II	4
2050.84	Ni I	45
2051.028	Fe II	93
2051.21	Zr II	85
2051.27	V II	203
2051.79	V II	203
2051.88	Sr II	10
2052.04	Ni I	17
2052.38	V II	157
2052.45	Ni I	17
2052.82	Co I	36
2053.108	Co III	65
2053.30	Ni II	15
2053.91	Ni I	17
2054.06	Co I	34
2054.32	Ni II	32
2054.46	Ge I	4
2054.54	Ti II	11
2054.75	Cr II	27
2054.81	Si I	5
2054.85	V II	
2054.969	Cu II	15
2055.15	V II	74
2055.270	Fe II	109
2055.50	Ni I	19
2055.55	V II	74
2055.59	Cr II	1
2055.855	Fe III	105
2056.13	Zr III	34
2056.145	Fe III	71
2056.148	Co III	65
*2056.89	V II	157, 157
2057.058	Fe III	78
2057.20	V II	74
2057.25	Ge I	14
2057.332	Fe II	82
2057.36	V II	74
2057.38	Ni II	16
2057.95	Cr II	248
2057.96	Zr II	90
2058.100	Fe I	115
2058.13	Si I	52
2058.34	V II	74
2058.532	Si II	16
2058.560	Fe III	100
2058.818	Co II	3
2058.917	Si II	16
2059.677	Fe III	78
2059.92	Ni I	40
2060.18	Cr III	56
2060.20	Ni I	40
2060.76	Ni I	39
2060.83	Zr III	17
2061.03	Cr II	248
2061.18	Si I	5
Air		
2061.35	Zr II	
2061.54	Cr II	1
2061.552	Fe III	48
2061.56	V II	
2061.751	Fe III	78
2061.85	Zr II	76
2062.00	V II	
2062.016	Zn II	1
2062.25	Cr II	27
2062.37	Ni I	22
2062.41	Cu II	80
2062.788	Se I	2
2063.12	V II	157
2063.21	Cr II	52
2063.42	Ni I	43
2063.50	N III	30
2063.672	Fe II	92
2063.790	Co II	3
2063.89	Zr II	60
2063.99	N III	30
2064.245	Zn II	4
2064.39	Ni I	40
*2064.86	Co I	86
2065.22	Ge I	3
2065.35	Zr II	76
2065.36	As I	21
2065.46	Cr II	1
2065.49	Si I	5
2065.54	Mg III	6
2065.542	Co II	3
2065.76	V II	115
2065.89	Cr II	52
2066.005	Fe II	109
2066.18	Cr III	38
2066.22	Co I	33
2066.25	Cu II	81
2066.303	Mn III	
2066.41	Ni II	15
2066.66	Cr II	52
2066.75	Cr II	52
2066.83	V II	212
2067.08	Zr II	85
2067.11	As I	22
2067.302	Fe III	124
2067.40	Si I	5
2067.50	Ti IV	2
2067.917	Fe II	137
2068.09	Zr II	26
2068.243	Fe III	48
2068.25	N III	30
2068.38	Cr II	27
2068.54	V II	173
2068.62	Ni I	39
2068.66	Ge I	3
2068.80	V II	173
2068.965	Mn III	10
2069.00	Cr III	38
2069.00	Co I	29
2069.04	Ni I	
2069.52	Ni I	43
2069.78	As I	19
2069.91	Co I	36
2069.952	Fe II	273
2070.330	Fe II	273
2070.43	Zr III	23
Air		
2070.539	Fe III	99
2070.79	V II	173
*2071.821	Fe II	107
2071.94	Si II	9
2072.26	Ni I	21
2072.43	V II	173
2072.61	Si II	9
2072.75	V I	
2073.147	Fe II	81
2073.27	Co I	28
2073.36	Cr III	38
2074.03	Zr II	
2074.12	Zr III	38
2074.13	Ni II	42
2074.195	Fe II	91
2074.793	Se I	1
2074.87	V II	173
2075.13	V II	173
2075.683	Fe II	107
2076.07	Ni I	42
2076.52	V II	173
2076.87	V II	
2076.96	Cr II	38
2077.16	V I	63
2077.310	Mn III	10
*2077.507 §	Fe I	
*2077.507 §	Fe II	136
2077.58	V II	211
2077.755	Fe III	105
2077.76	Co I	
2077.79	V II	
2077.92	Zr III	17
*2078.164	Fe II	91
2078.646	Cu II	78
2078.76	Ni II	16
2078.989	Fe III	48
2079.29	V II	
2079.32	Co I	34
2079.529	Cu I	26
2079.56	V I	
2079.86	Cr II	152
2080.246	Fe II	92
2080.84	Ni II	16
*2080.99 §	Zr II	
*2080.99 §	Zr III	33
2081.04	Co I	35
2081.5	Al II	3
2082.01	Si I	51
2082.11	Co I	31
*2082.49	V I	48, 48
2082.692	Co II	18
2082.87	Ni I	19
2083.512	Fe II	273
2083.530	Fe III	124
2083.65	Ni II	14
2083.76	Ni II	32
2084.117	Fe I	33
2084.12	V I	49
2084.159	Mn III	10
2084.349	Fe III	67
2084.47	Si I	50
2084.515	Fe III	67
2084.87	Ni II	42
2084.968	Fe III	77
2085.04	Co I	32

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I A	Spectrum	Multiplet No.
Air		
2085.25	As I	21
2085.295	Cu II	14
2085.37	Ni I	41
2085.56	V I	49
2085.57	Ni I	65
2085.91	V I	49
2086.128	Fe III	105
2086.31	V I	48
*2086.57	V I	49, 63
2086.78	Zr III	8
2087.0	Al II	3
2087.132	Fe III	77
2087.525	Fe I	34
2087.527	Fe II	108
2087.54	V II	
2087.62	V I	49
2087.907	Fe III	77
2087.92	V II	114
*2087.930	Cu II	94, 95
2088.56	V I	49
2088.625	Fe III	67
2088.84	B I	2
2088.98	Ni I	40
2089.089	Fe III	77
2089.09	Ni I	19
*2089.12	Cr II	16
2089.35	Co I	87
2089.50	Zr III	38
2089.57	B I	2
2089.57	Zr I	
2089.67	Co I	25
2089.74	As I	19
2089.83	Co I	90
2089.94	V I	
2089.992	Mn III	10
2090.053	Fe III	124
*2090.139	Fe III	67
2090.14	Ni II	15
2090.169	Mn III	10
2090.240	Fe III	59
2090.33	V II	194
2090.380	Fe I	31
2090.42	Ni I	17
2090.50	Co III	64
2090.64	V I	48
2090.70	Cr II	38
2090.862	Fe I	34
2090.96	V I	49
2091.05	Co I	89
2091.29	V I	48
2091.312	Fe III	77
2091.34	Ga II	1
2091.40	Co I	29
2091.69	Ni I	39
2091.98	Co I	88
*2092.30	V I	48, 63
2092.44	V I	48
2092.64	Mg III	6
2092.88	Zr I	19
2092.945	Fe III	129
2093.29	Cr II	16
2093.40	Co I	86
2093.504	Fe III	77
2093.55	Ni II	15
2093.606	Cu II	79
Air		
2093.62	Cr II	16
2093.660	Fe I	33
2093.683	Fe II	290
2094.20	Si I	96
2094.27	Ge I	3
2094.641	Fe II	107
2094.71	V I	49
2094.712	Mn III	10
*2094.86	Co I	85, 86
2094.93	Cr I	2
2094.985	Fe II	91
2095.012	Mn III	10
2095.05	V II	105
2095.13	Ni I	65
2095.327	Fe III	105
2095.37	V II	105
2095.39	Cr I	2
2095.451	Fe I	31
2095.53	Ni I	
2095.75	Ni I	18
2095.77	V I	49
2095.80	Zr II	60
2095.88	Cr I	2
2095.94	V II	105
*2096.19	V I	47, 47
*2096.37 §	V I	47
2096.42	Cr II	152
2096.430	Fe III	59
2096.72	V I	49
2096.990	Fe II	91
2097.02	Zr II	
2097.08	Ni II	31
2097.34	V I	48
2097.480	Fe III	67
*2097.512	Fe II	80, 120
2097.692	Fe III	66
2097.870	Mn III	10
2098.00	V II	156
2098.081	Fe I	31
2098.386	Cu II	95
2098.50	V I	47
2098.93	Co I	28
2098.953	Fe I	34
2099.16	V II	94
2099.231	Fe III	66
2099.332	Fe III	129
2099.35	Co I	32
2099.88	Zn II	4
2099.908	Mn III	10
2100.144	Fe I	34
2100.34	Cr II	16
2100.51	V I	48
2100.61	Cr II	16
2100.75	V I	48
2100.795	Fe I	33
2100.96	Cr II	16
*2100.961§	Fe III	129
*2100.963§	Fe II	250
2101.038	Mn III	10
2101.17	V II	94
2101.80	Zr I	19
2101.86	V II	156
2102.173	Zn II	4
2102.23	V I	47
2102.26	Ge I	3
Air		
2102.30	Zr III	17
2102.349	Fe I	33
2102.55	Cr II	15
2102.58	V I	42
2102.910	Fe I	34
2102.97	Cr II	15
2103.048	Fe I	31
2103.08	Ti IV	2
2103.17	Zr II	
2103.22	Cr III	41
2103.239	Ca II	9
2103.31	Zr I	
2103.32	Cr III	41
2103.39	Ni II	31
2103.53	V II	172
2103.647	Fe III	66
2103.70	V II	94
2103.799	Fe III	66
2103.964	Fe I	31
2104.57	V I	47
2104.782	Cu II	15
2104.84	V I	49
2104.85	Cr III	41
2105.020	Fe III	146
2105.112	Cu I	23
2105.17	Co III	64
2105.83	Ge I	3
2105.83	Zr I	19
2105.85	Ni I	43
2105.982	Mn III	10
2106.260	Fe I	31
2106.33	V I	47
2106.380	Fe I	33
2106.82	Co I	90
2107.21	Ni I	62
2107.324	Fe III	66
2107.40	V II	125
2107.555	Fe II	250
2107.68	Cr III	41
2107.811	Mn III	10
2107.853	Mn III	10
2107.92	Cr II	16
2107.94	Ni II	60
*2108.139§	Fe I	28
*2108.139§	Fe II	81
2108.188	Fe I	32
2108.302	Fe I	34
2108.558	Mn III	10
2108.56	Zr I	
2108.676	Fe III	105
*2108.942§	Fe II	227
*2108.955§	Fe I	33
2108.98	Co I	28
2109.01	Ni II	60
*2109.097	Fe II	227, 250
2109.27	V II	156
2109.43	Nb II	
2109.600	Co II	
2109.66	Zr II	60
2109.79	Ni I	17
2109.861	Fe I	
2110.23 P	Fe I	83
2110.233	Fe I	31
2110.240	Fe II	290
2110.37	Cr II	16

FINDING LIST—CONTINUED

I A	Spectrum	Multiplet No.
Air		
2110.53	Zr I	
2110.68	Cr II	26
2110.724	Fe II	108
2110.92	Cr II	26
2110.98	Cr II	26
2111.04	V II	
2111.26	Cr II	26
2111.274	Fe I	
2111.42	Co I	30
2111.470	Co II	2
2111.73	Ni I	17
2112.090	Cu II	55
2112.16	Cr II	15
2112.40	Co I	83
2112.763	Ca II	9
2112.966	Fe I	33
2112.99	As I	20
2113.04	Cr II	15
2113.08	Fe I	81
2113.08	Nb II	21
2113.19	Ca II	9
2113.51	Ni II	60
2113.53	Co I	87
2113.73	Cr III	41
2113.83	Cr III	41
2114.03	V II	172
2114.10	Zr III	38
2114.26	Cr III	41
2114.30	V II	172
2114.42	Co I	83
2114.43	Ni I	64
2114.53	Cr III	61
2114.588	Fe I	33
2114.59	Si I	4
*2114.87	Cr III	41
2115.168	Fe I	33
2115.35	Co I	80
2116.30	Zr III	16
2116.588	Fe III	58
2116.63	Zr III	16
2116.83	Co I	24
2116.960	Fe II	213
2117.01	Ti I	
2117.293	V II	172
2117.300	Cu II	94
*2117.48 §	V I	42
*2117.482 §	V II	8
2117.53	Cr III	41
2117.68	Co I	86
2118.195	Fe II	120
2118.415	Fe III	58
*2118.43	V II	137
2118.51	Co I	80
2118.567	Fe III	58
2118.65	Cr III	70
2118.84	V II	
2119.050	Fe II	120
2119.125	Fe I	28
2119.14	Zr I	
2119.15	V II	
2119.192	Co I	85
2119.562	V II	
2119.91	Co I	80
2120.12	Zr II	35
2120.239	Fe III	58
Air		
2120.35	Cr III	41
2120.70	Co I	28
*2120.767	Fe III	58, 58
2121.22	Si I	4
2121.26	Cr II	79
2121.40	Ni I	38
2121.54	V II	172
2121.69	Cr III	70
2121.90	Ti I	
2122.11	V II	8
2122.188	Fe I	26
2122.25	Ni I	41
2122.41	Zr II	75
2122.44	Cr III	61
2122.64	Co I	77
2122.75	Cr III	41
2122.966	Cu II	54
2122.99	Si I	49
2123.340	V II	8
2123.50	Ti I	
2123.53	Cr III	61
2123.590	Fe III	104
2123.62	V II	8
2124.00	V II	8
2124.111	Si I	48
2124.15	V I	42
2124.76	Ge I	13
2124.80	Ni I	63
2125.023	Co II	
2125.098	Cu II	136
2125.10	Co I	84
2125.12	Ni II	14
2125.21	Nb II	20
2125.32	Co I	28
2125.62	Cr III	41
2125.62	Ni I	16
2125.84	V I	42
2125.89	Ni II	13
2125.96	Co I	25
2126.028	Cu II	14
2126.20	Co I	83
2126.212	Fe I	27
2126.54	Nb II	17
2126.585	V II	
2126.89	Ti I	
2126.932	V II	8
2127.14	Co I	80
2127.26	Cr II	25
2127.34	V II	8
2127.53	Cr II	25
2127.77	Ni II	41
2127.967	Fe II	290
2127.99	Y III	5
2128.241	V II	8
2128.41	Ni I	19
2128.57	Ni II	15
2128.733	Ca II	3
2129.14	Ni II	31
2129.20	Ca III	15
2129.23	Cr III	41
2129.477	V II	7
2129.50	Co I	30
2129.89	Cr II	24
2129.96	Ni I	37
*2130.22	Cr II	14, 24, 79
Air		
2130.259	Fe II	80
2130.27	Co I	27
2130.417	Fe I	83
2130.42	V II	180
2130.548	Fe II	249
2130.762	Cu I	21
2130.78	Ni I	
2131.02	Ni II	31
2131.06	Co I	29
2131.18	Nb II	19
2131.27	Ni II	14
2131.43	Ca II	3
2131.85	V II	8
2131.95	Cr III	61
2132.015	Fe I	25
2132.25	Ca II	3
2132.38	Cr II	24
2132.537	Fe II	272
*2132.62	Cr II	24, 24
2132.71	Cr II	24
2132.76	Co I	23
2132.93	Cr II	24
2133.03	Cr II	24
2133.04	V II	
2133.28	Zr II	35
2133.284	Co II	
2133.311	Fe I	81
2133.49	Cr II	23
2133.498	Co II	2
2133.80	As I	20
2133.81	Cr II	23
2133.990	Fe II	213
2134.07 P	V II	7
2134.12	V II	7
2134.16 P	V II	8
2134.20	Cr II	23
2134.28	Ni II	31
*2134.355	Cu II	52, 94
2134.52	Cr II	23
*2134.592	Fe II	212, 226
2134.62	Cr II	23
2134.86 P	Cr II	14
2134.861	Fe III	98
2134.88	Cr II	23
2134.93	Ni I	37
2135.09	Cr II	23
2135.34	Cr II	23
2135.34	Ni I	18
2135.42	Cr II	23
2135.466	P I	4
2135.59	Co I	28
2135.80	Co I	29
2135.976 ‡	Cu II	14
2136.16	Zr I	31
2136.199	P I	4
2136.360	Fe III	76
2136.519	Fe II	249
2137.009	Fe III	59
2137.31	V II	7
2137.365	Fe III	58
2137.50	Cr II	284
2137.67	Zr II	35
2137.735	Fe II	6
2137.80	Co I	28
2137.96	Cr II	134

FINDING LIST—CONTINUED

I A	Spectrum	Multiplet No.
Air		
2138.103	Fe II	135
2138.17	V II	7
2138.533‡	Cu I	24
2138.56	Zn I	1
2138.589	Fe I	24
2138.60	Ni II	13
2138.62	V I	63
2138.98	Co I	28
2139.11	Cr III	48
2139.33	Cr II	14
2139.41	Ti I	
2139.54	Cr II	14
2139.676	Fe II	6
*2139.695	Fe I	24, 27
2139.798	V II	7
2139.85	Zr III	16
2139.929	Fe I	29
2140.064	V II	7
2140.37	Cu I	25
2140.39	Ca III	16
2140.50	Cr II	14
2140.56	Cu I	25
2140.612	Fe II	212
2141.083	Fe I	26
2141.15	Cr III	40
2141.70	V II	136
2141.715	Fe I	25
2141.973	V II	7
2142.05	Ti I	
2142.141	Fe I	30
2142.40	V II	124
2142.74	V II	6
2143.038	V II	7
2143.045	Fe III	76
*2143.470	Fe III	59, 59
2143.52	Ti I	
2143.66	Co I	28
2143.706	V II	6
2143.76	Fe III	59
*2143.827	Fe III	58, 59
2143.86	Cr II	284
2144.01	Zr II	75
2144.05	Cr II	14
2144.08	As I	20
2144.15	Cr III	40
2144.282	Fe III	58
2144.576	Fe I	81
2144.743	Fe III	98
2145.188	Fe I	27
2145.46	Co I	79
2145.48	Cu II	78
2145.616	Fe III	59
2145.62	Cr III	70
2145.97	Cr II	134
2145.990	V II	6
2146.058	Fe II	6
*2146.062	Fe III	59, 59
2146.23	Cr II	134
2146.26	Co I	23
*2146.339	Fe III	59
2146.36	Cr III	52
*2146.64	V I	42, 63
2146.710	Fe I	27
2146.91	Cu II	156
2147.16	Cr III	40
Air		
2147.19	Cr II	14
2147.52	V II	6
2147.56	Cr III	48
2147.719	Fe II	213
2147.80	Ni I	37
2147.904	Fe III	59
2147.91	Si I	94
2148.394	Fe I	29
2148.42	V II	6
2148.65	Cr III	70
2148.70	Co I	27
2148.85	Cr III	40
2148.974	Cu II	14
2149.108	P I	4
2149.15	Zr I	
2149.170	Fe I	80
2149.386	V II	124
2149.416	Fe I	81
2149.48	Cr III	52
2150.10	Cr II	22
2150.182	Fe I	25
2150.43	Si I	95
2150.618	Fe II	135
2150.65	Cr II	37
*2150.74	Cr II	37, 37
2150.762	Fe II	248
2150.78	Ca I	8
2150.835	V II	
2151.02	Zr II	35
2151.032	V II	
2151.095	Fe II	106
*2151.099	Fe I	24, 25
2151.776	Fe III	112
2151.801	Cu II	95
2151.812	V II	
2151.93	Ni I	17
2152.15	Co I	78
2152.23	Ni I	38
2152.28	Cr I	44
2152.373	Fe II	106
2152.47	Ca III	14
2152.488	Fe II	151
2152.57	Cr I	44
2152.706	Fe III	141
2152.76	Cr III	52
2152.84	Sr II	3
2152.89	Zr II	75
2152.950	P I	9
2153.004	Fe I	27
2153.281	Fe II	225
2153.320	Fe III	98
2153.874	Fe II	6
2154.08	Co I	24
2154.081	P I	9
2154.43	Cr I	44
2154.458	Fe I	77
2154.62	Cr III	48
2154.70	Ti II	19
2155.012	Fe I	25
2155.09	Cr I	44
*2155.238	Fe I	27, 78
2155.58	Ti II	19
2155.61	V II	113
2155.839	Fe II	213
2156.22	Cr II	133
Air		
*2156.701	Co II	11, 11
2156.80	Ti II	19
2156.955	Co II	11
2157.109	Fe III	65
2157.17	Cr III	52
2157.287	Fe III	65
2157.710	Fe III	70
2157.74	Cr I	44
2157.78	Zr I	
2157.792	Fe I	24
2157.83	Ni I	36
2158.00	Cr I	44
2158.12	V I	42
2158.29	Ti II	19
2158.31	Ni I	36
2158.472	Fe III	145
2158.49	Fe I	
2158.518	Fe II	89
2158.55	Co I	24
*2158.622	Fe I	23
2158.73	Ni II	13
2158.922	Fe I	24
2159.08	Cr III	48
2159.09	Ti II	19
2159.152	Fe II	6
2159.19	Zr II	
2159.24	Zr III	21
2159.425	Fe I	27
2159.50	Ti II	19
2159.645	Fe I	24
2159.73	Cr III	40
2159.92	Fe I	24
2160.236	Fe I	82
2160.27	Nb II	
2160.471	Fe II	185
2160.50	Cr I	44
2160.655	Fe III	140
2160.98	Cr III	48
2161.04	Ni I	37
*2161.161	Fe II	213, 227
2161.21	Ni II	14
2161.270	Fe III	70
*2161.313	Fe II	227, 370
2161.314	Cu II	132
2161.48	V II	124
2161.577	Fe I	27
2161.582	Fe II	119
2161.66	Cr II	133
2162.023	Fe II	90
2162.19	Co I	82
2162.20	Zr III	37
2162.23	Cr I	44
2162.283	Fe III	140
2162.47	Cr I	44
2162.68	Ti II	19
2163.02	Co I	26
2163.368	Fe I	
2163.370	Fe II	372
2163.56	Co I	23
2163.62	Zr IV	3
2163.68	V II	
2163.78	Si I	93
2163.86	Cr III	48
*2163.860	Fe I	24
2164.160	Se I	1

FINDING LIST—CONTINUED

I A	Spectrum	Multiplet No.
Air		
*2164.339	Fe II	79, 372
2164.38	V II	
2164.547	Fe I	24
*2164.558	Fe II	213, 370
2164.67	Cr II	133
2164.88	V I	42
2165.093	Cu I	4
2165.24	Zr II	75
2165.52	As I	20
2165.537	Fe I	80
2165.55	Ni II	13
2165.555	Fe II	185
2165.861	Fe I	
2165.93	Sr II	3
2166.15	V II	
2166.15	Ni I	37
2166.198	Fe II	212
2166.25	Cr III	52
2166.75	Cr II	22
2166.769	Fe I	21
2166.952	Fe III	70
2167.401	Fe II	119
2167.68	Cr I	44
2167.69	V II	202
2167.74	Si I	92
*2167.81	Cr II	271
2167.880	Fe II	213
2168.08	V II	29
2168.23	Cr III	48
2168.70	Co I	23
2168.805	Al I	9
2168.925	Fe II	247
2169.10	Ni II	13
2169.431	Fe II	370
2169.562	Cu I	26
2169.657	Mn III	
2169.709	Fe III	140
2169.950	Fe II	370
2170.05	V II	202
2170.193	Fe II	372
2170.38	V II	
2170.55	Co I	23
2170.70	Cr III	68
2170.71	Cr II	36
2170.74	V I	46
2170.97	Cr II	36
2171.045	Fe III	70
*2171.06	Cr II	36, 36
2171.18	Cr II	36
2171.292	Fe I	24
*2171.55	Cr II	36, 36
2171.550	Fe II	372
2171.817	Cu I	26
2171.840	V II	209
2172.056	Fe II	372
2172.137	Fe I	23
2172.18	Co I	77
2172.26	Co III	70
2172.57	Cr III	48
2172.581	Fe I	23
2172.679	Fe II	372
2172.989	Fe II	134
2173.15	V I	46
2173.173	Co I	74
2173.212	Fe I	24
Air		
2173.220	Fe II	248
2173.324	Co II	10
2173.535	Ni I	59
2173.720	Fe II	79
2173.82	Co I	23
2173.829	Fe III	75
2174.002	Co II	
2174.028	Al I	9
2174.132	Mn III	
2174.480	Ni I	36
2174.539	Co II	1
2174.589	Co I	19
2174.658	Fe III	70
2174.67	Ni II	14
2174.849	Fe II	135
2174.968	Cu II	155
2175.16	Ni II	13
2175.445	Fe II	90
2175.692	Co II	
2175.83	Zr III	40
2176.26	As I	19
2176.396	Fe I	79
2176.48	Co I	120
2176.826	Fe II	370
2176.837	Fe I	23
2176.859	Mn III	
2177.00	V I	46
2177.025	Fe II	106
2177.08	Ni II	40
2177.24	V I	46
2177.30	Si I	91
2177.35	Al I	10
2177.36	Ni II	40
*2178.073	Fe I	21, 22
2178.46	Cr II	271
2178.59	Co I	
2178.944	Cu I	3
2178.97	Zr I	
2179.258	Fe III	75
2179.36	Ni II	40
2179.399	Cu II	14
2179.46	Ni II	12
2179.72	Cr II	221
2179.99	Ni II	30
2180.060	Co I	20
2180.255	Fe II	370
2180.410	Fe III	70
2180.46	Ni II	40
2180.614	Co II	23
2180.74	Cu II	104
2180.866	Fe I	23
2180.870	Fe II	370
2180.96	Al I	10
2181.12	Co I	120
2181.133	Fe I	20
2181.137	Fe II	370
2181.210	Fe III	123
2181.407	Fe II	370
2181.407	Fe III	122
2181.41	Cr III	51
2181.54	Cr II	221
2181.720	Cu I	3
2181.729	Co II	11
2181.847	Mn III	
2181.97	V I	46
Air		
2182.22	V I	46
2182.38	Ni I	16
2182.59	Co I	23
2182.81	Zr II	75
2182.889	Fe III	75
2182.94	As I	18
2183.301	Fe II	89
2183.465	Fe I	23
2183.468	Fe II	119
*2183.71	Cr III	55, 64
2183.803	Fe II	247
2183.91	Ni I	62
2183.980	Fe III	65
2184.114	Fe III	122
2184.17	V II	145
2184.31	Co I	17
2184.61	Ni II	13
2184.80	Zr II	55
2184.849	Mn III	
2184.92	Co I	118
*2185.01	Cr III	51, 68
2185.103	Mn III	
*2185.39	V II	104, 209
2185.51	Ni II	40
2185.622	Fe II	271
2185.654	Fe III	65
2185.96	V II	210
2186.030	Co I	81
2186.207	Fe III	75
2186.241	Fe I	20
2186.45	Co I	24
2186.46	Ge I	12
2186.483	Fe I	21
2186.777	Co I	73
2186.890	Fe I	22
2186.94	V II	104
2186.94	Ni I	37
2187.044	Co II	11
2187.192	Fe I	21
*2187.28	Co I	75, 121
2187.39	V I	45
2187.444	Fe II	271
2187.60	Ni I	16
2187.678	Fe II	89
2187.868	Fe II	135
2187.95	V I	46
2188.05	Ni II	12
2188.06	V I	43
2188.09	Cr I	43
2188.999	Co II	11
2189.183	Fe I	114
2189.24	Cr II	221
2189.33	Co I	119
2189.393	Fe I	78
*2189.621	Cu II	53, 104
2189.95	V I	43
2190.075	Fe III	122
2190.09	Cr III	60
2190.22	V II	104
2190.223	Ni I	36
2190.48	V II	145
2190.496	Co II	22
2190.52	Cr II	132
2190.76	Cr III	51
2190.83	Cr I	43

FINDING LIST—CONTINUED

I A	Spectrum	Multiplet No.	I A	Spectrum	Multiplet No.	I A	Spectrum	Multiplet No.
Air			Air			Air		
2190.92	Cr II	209	2200.174	V I	43	2210.259	Cu II	52
2190.97	Ni II	29	*2200.370	Fe I	21	2210.305	V II	28
2191.08	Cr II	221	2200.412	Co II	11	2210.38	Ni II	13
2191.10	V I	45	2200.498	Cu II	135	2210.39	Cr I	42
2191.15	Zr III	40	2200.71	Ni I	37	2210.534	Nb II	18
2191.202	Fe I	22	2200.723	Fe I	21	2210.686	Fe I	18
2191.21 P	V I	43	2200.728	Ca I	7	2210.880	Si I	3
2191.21	Ni I	61	2200.80	Y III	5	*2210.952	Fe II	118, 134
2191.215	Fe III	65	*2200.98	Cr III	47, 51	2211.03	Ni I	34
2191.22	Y III	5	2201.117	Fe I	20	2211.09	Ni II	52
2191.24	Cr III	47	2201.23	Co I	76	*2211.112	Fe II	168, 289
2191.58	Cr III	51	2201.41	Ni II	13	*2211.21	Cr III	47
2191.65	V I	45	*2201.46	Cr III	60, 68	2211.234	Fe I	20
2191.836	Fe I	21	2201.59	Ni I	60	2211.243	Fe II	305
2191.935	Fe II	367	2201.595	Fe II	367	2211.292	Ni I	16
2192.05	Zr III	41	2201.69	Zr I	18	2211.350	V I	43
2192.260	Cu II	14	2201.93	Cr III	58	2211.36	Ti I	18
2192.492	Co II	22	2202.458	Fe III	74	2211.38	V II	208
2192.674	Fe II	226	2202.724	V I	45	2211.411	Co II	10
2192.89	Zr I	18	2202.928	Co II	1	2211.46	Cr III	58
2193.11	Cr II		2203.22	Cr III	47	2211.46	Nb I	
2193.25	Co III	70	2203.420	Fe II	406	2211.737	Si I	3
2193.30	Cr II	151	2203.64	Nb II		2211.85	Cr II	20
2193.411	Fe I	76	2203.658	V I	43	2211.942	Mn III	
2193.564	Fe I	114	2203.89	Cr II	13	2212.149	Ni I	15
2193.605	Co II	22	2204.31	V III	12	2212.21	Cr II	20
2193.82	V I	43	2204.57	Cr III	51	2212.35	Co I	18
2194.65	V I	43	2204.617	Nb I	24	2212.418	Mn III	16
2194.84	V II	209	*2204.627	Al I	7, 8	2212.741	Cu II	166
2194.89	Cr I	43	2204.796	Co I	74	2213.19	Ni II	30
2195.081	Fe III	123	2204.930	V I	43	2213.56	Cr II	21
2195.44	Zr III	44	2205.060	Co II	22	2213.679	Fe II	168
2195.532	Fe III	123	2205.16	As I	18	2213.68	Cr II	247
2195.674	Cu II	135	2205.20	Cr I	43	2213.692	V I	40
2195.69	V II	201	2205.34	Cr II	247	2213.72 P	Fe II	168
2195.78	Cr II	132	2205.515	Co II	22	*2213.84	Co I	21, 75
2195.866	Fe III	74	2205.85	Ge II	13	2213.89 P	Co I	19
2196.040	Fe I	21	2205.886	Co II	10	2214.034	Nb I	
2196.29	V I	44	2205.97	As I	18	2214.059	Fe II	368
2196.40	V I	45	2206.10	N II	15	2214.20	Zr I	
2196.458	Co I	19	2206.153	Fe II	367	2214.581	Cu I	22
2196.84	Cr II	151	2206.215	Co II	22	2214.59	Zr II	50
2197.230	Fe I	20	2206.22	Y III	4	2214.616	Fe III	69
2197.273	Fe II	226	*2206.31 §	Zr II	17	2214.63	Zr I	18
2197.347	Ni I	36	*2206.33 §	Zr III	40	2214.764	Co II	11
2197.64	Ge II	13	2206.582	Fe II	134	2215.08	Cr II	247
2197.791	Ca II	8	2206.71	Ni II	13	2215.094	Fe II	369
2197.89	Cr III	51	2207.068	Fe I	19	2215.100	Cu II	168
2198.279	Co II	10	2207.46	Cr III	47	2215.211	Mn III	16
2198.32	Cr I	43	2207.71	Co I	22	2215.30	Cr II	12
2198.34	As I	19	2207.780	Fe II	225	2215.54	Nb I	21
2198.524	V II	145	2207.853	Co I	22	2215.654	Cu I	22
2198.62	Cr III	68	2207.896	Co II	23	2215.728	Fe II	371
2198.660	Fe II	367	2207.972	Si I	3	2215.786	V II	208
2198.73	Ge I	11	2208.419	Fe II	367	2215.86	V III	12
2198.75	Co I	23	2208.508	Co I	20	2216.05 P	V II	28
2198.91	Cr I	43	2208.606	Ca II	8	2216.245	V I	39
2199.09	Cr II	13	2208.70	Cr III	58	2216.479‡	Ni II	12
2199.17	Zr II	80	*2208.85 §	Fe III	110	2216.666	V I	
2199.23	Cr II	132	2209.049	Fe II	366	2216.670	Si I	3
2199.443	V II	201	*2209.739§§	Fe III	123	2217.048	Fe II	168
2199.583	Cu I	23	2209.795	Cu II	134	*2217.32	V II	28, 208
2199.64	Al I	8	2210.029	V II	208	2217.40	V III	12
2199.660	V II	201	2210.046	Al I	7	2217.51	Cr III	
2199.752	Cu I	23	*2210.073	Fe III	110	2217.578	Fe I	114

FINDING LIST—CONTINUED

I A	Spectrum	Multiplet No.
Air		
2217.744	Fe I	20
2217.75	Cr III	47
2217.77	Ni I	33
2217.80	V III	12
2217.872	Nb I	
2217.89	Cr II	51
2218.052	Si I	3
2218.100	Cu II	13
2218.238	V I	39
2218.289	Fe II	367
2218.35	V III	12
2218.36	Cr II	209
2218.38	Ti I	18
2218.48	Zr III	40
2218.504	Cu II	137
2218.69	Cr III	
2218.81	Co I	73
2218.914	Si I	3
2219.16	Co I	16
2219.408	V II	208
2219.58	Cr III	47
2219.652	V I	41
2219.75	Ti I	18
2219.889	Fe II	168
2220.01	Cr II	21
2220.082	Co II	22
2220.184	Nb I	23
2220.214	V II	28
2220.22	Zr II	
2220.25	Zr III	20
2220.388	Fe II	118
2220.40	Ni II	28
2220.42	Cr I	42
2220.450	V I	40
2220.453	Fe II	371
2220.538	Mn III	16
2220.611	Fe III	69
2220.68	Zr I	18
2220.737	Mn III	16
2220.912	Fe I	19
2221.160	Fe II	168
2221.830	Fe III	69
2221.86	Cr II	270
2221.91	Zr II	79
2221.939	Ni I	15
2222.446	Fe II	168
2222.59	P I	3
2222.679	Fe II	369
2222.75	Fe I	113
2222.834	V I	38
2222.888	Co II	
2222.948	Ni II	12
2223.014	V I	39
2223.19	Ti I	18
2223.35	P I	3
2223.481	Fe II	168
2223.672	Nb I	23
2223.866	Fe II	368
2224.351	Ni II	21
2224.50	Ni II	29
2224.701	Cu II	178
*2224.87	Cr II	173, 209
2224.88	Ni II	12
2225.029	V I	39
2225.11	Ti I	

I A	Spectrum	Multiplet No.
Air		
2225.339	Co I	19
2225.343	Nb I	24
2225.35	Ni I	16
2225.422	V I	38
2225.44	Cr II	270
2225.697	Cu I	2
*2225.787	V I	38, 39
2225.84	Co I	120
2225.93	Cr II	50
2226.27	Cr II	35
2226.34	Ni II	12
2226.35	Cr II	35
2226.38	Sr I	11
*2226.47	Cr II	12
2226.72	Cr III	39
2226.77	Ti I	18
2226.773	Cu II	134
2226.927	Nb I	
2227.280	Nb I	22
2227.407	Fe II	168
2227.469	Fe II	369
2227.491	Mn III	16
2227.597	Fe II	168
2227.666	Co I	22
2227.706	Nb I	23
2227.775	Cu I	21
2227.848	Fe III	69
2227.853	Co I	16
2227.88	Cr II	20
2227.91	Ti I	17
*2228.032	Nb I	22, 23
2228.10	Zr III	46
2228.170	Fe I	18
2228.18	Cr II	20
2228.26	Cr II	20
2228.34	Cr II	283
2228.466	Mn III	16
2228.489	Fe I	19
2228.66	As I	18
2228.761	Fe II	366
2228.80	Co I	19
2228.82	Cr II	270
2228.835	V I	41
2228.863	Cu II	13
2228.881	Fe III	122
2229.066	Fe I	18
2229.267	Fe III	128
2229.65	Nb I	21
2229.67	Ti I	
2229.716	Nb II	43
2229.734	Co I	68
*2229.734§	V I	39
2229.74	Zr II	80
2229.85	Ni II	51
2229.850	Cu II	135
2229.985	V II	28
*2230.084§	Cu I	21
*2230.087§	Cu II	134
2230.18	Ti I	17
2230.362	V I	38
2230.40	Cu II	132
2230.48	Ti I	18
2230.49	Co II	
2230.57	Cr II	12
2230.88	Zr I	

I A	Spectrum	Multiplet No.
Air		
2230.948	Cu II	167
2230.955	Ni I	36
2231.00	Zr III	15
2231.02	Cr II	78
2231.211	Fe I	18
2231.412	V I	42
2231.45	Cr II	283
2231.512	Fe II	368
2231.571	Cu II	133
2231.670	Fe III	139
2231.81	Cr III	45
2231.86	Zr II	80
2232.05	Co II	10
2232.252	V I	39
2232.430	Fe III	64
2232.460	Co I	20
*2232.545	Nb I	21, 24
2232.690	Fe III	139
2232.76	V III	12
2233.172	Fe III	122
2233.48	Zr II	80
2233.654	Fe III	128
2233.759	Co I	21
2233.79	Ti I	17
2233.81	Cr III	45
2233.917	Fe II	118
2234.22	Cr II	20
2234.432	Fe I	114
2234.50	Cr II	20
2234.58	Cr II	20
2234.680	V I	38
2234.710	Co I	67
2234.99	P I	3
2235.09	Co II	
2235.10	Zr II	80
*2235.699	Fe III	69, 139
2235.77	P I	3
2235.908	Fe III	139
2235.91	Cr III	39
2236.08	Ni II	53
2236.278	Cu I	24
2236.680	Fe II	4
2236.724	Nb II	11
2236.796	Co I	19
*2237.125	Co I	70, 119
2237.228	V I	39
2237.496	Nb II	
2237.577	Fe II	365
2237.59	Cr III	45
2237.65	Sr I	10
2237.814	Fe I	114
2237.894	Fe II	334
2238.061	Mn III	16
2238.155	Fe III	139
2238.20	Ti I	
2238.259	Fe I	18
2238.454	Cu I	25
2238.518	Nb I	21
*2238.73	Ti I	17, 17
2238.87	Cr II	12
2239.047	Fe II	365
2239.24	Cr II	20
2239.51	Cr II	20
2239.638	Fe II	334
2240.627	Fe I	112

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I A	Spectrum	Multiplet No.
Air		
2240.65	Nb II	43
2241.213	V I	39
2241.30	Cr II	50
2241.426	Fe II	365
2241.47	Cr II	78
*2241.54 §	Fe III	109
2241.69	Cr II	50
2241.80	Cr II	78
2241.846	V I	38
2241.85	Fe I	75
2242.14	Ni II	28
2242.29	A III	10
2242.294	Nb I	23
2242.579	Fe I	18
2242.58	Nb II	12
2242.613	Cu II	52
2242.958	Nb I	22
2243.06	Y II	1
2243.22	Ni I	10
2243.254	Co I	19
2243.28	Cr II	77
2243.405	Fe III	64
2243.578	Fe II	118
2243.62	Cr II	77
2243.742	V I	37
2243.911	Fe I	16
2244.10	Cr III	39
2244.216	Fe II	365
2244.265	Cu I	2
2244.464	Ni I	34
2244.55	Ni I	
2244.69	Ti I	17
2244.83	Cr II	35
*2244.90	Cr II	35, 35
2245.11	Co II	10
2245.14	Fe I	75
2245.33	Cr II	150
2245.463	Co I	19
2245.505	Fe II	365
2245.651	Fe I	18
2245.756	V I	37
2245.776	Fe III	128
2246.14	Ti I	
2246.176	Nb I	
2246.332	V II	16
2246.599	Co I	18
*2246.65	V II	16
2246.995	Cu II	13
2247.24	Ni II	30
2247.461	Fe I	72
2247.520	V I	37
2247.64	Cr III	
2247.692	Fe II	365
2247.91	Cr II	49
2247.92	N III	23
2247.997	Nb I	21
2248.05	Zr I	18
2248.30	Cr II	49
2248.56	Cr II	49
2248.858	Fe I	70
2248.88	N III	23
2248.913	V II	16
2248.94	Cr III	45
2248.960	Cu II	154
2248.981	Co I	19

I A	Spectrum	Multiplet No.
Air		
*2249.063	Fe II	365, 365
2249.18 P	Fe II	5
2249.181	Fe II	365
2249.32	Cr II	49
2249.78	Cr II	49
*2249.91	Cr II	35, 35
2249.98	Cr II	49
2250.00 P	Cr II	12
2250.171	Fe II	4
2250.308	Nb I	22
2250.382	V II	16
2250.463	Nb II	34
2250.490	V II	16
2250.496	Co I	117
2250.672	V I	37
2250,784	Fe I	16
2250.800	V II	16
2250.937	Fe II	4
2250.96	Cl II	9
2251.114	V II	171
2251.45	Cr III	39
2251.484	Ni I	33
2251.50	Cl II	9
2251.556	Fe II	5
2251.83	Co I	14
2251.831	Fe II	365
2251.865	Fe I	18
2251.95	Cr III	39
2252.210	Nb II	65
2252.268	Fe III	64
2252.37	Cr II	150
2252.37	Zr III	43
2252.463	Fe III	64
2252.681	V I	37
2252.712	Co I	20
2252.953	V II	16
2253.07	Cl III	15
2253.119	Fe II	4
2253.16	Cl II	9
2253.32	Sr I	9
2253.565	Ni I	34
2253.67	Ni II	29
2253.760	Co I	64
2253.856	Ni II	12
2254.066	Fe II	365
2254.20	Zr II	79
2254.401	Fe II	5
2254.564	Nb I	24
2254.810	Ni I	14
2254.953	Nb II	9
2255.44	Cr III	45
2255.597	Nb II	17
2255.691	Fe II	365
2255.759	Fe II	133
2255.861	Fe I	73
2255.873	Ni I	9
2255.979	Fe II	4
*2256.01	Cr II	49, 77
2256.15	Ni II	51
2256.38	Cr II	49
2256.56	Cr II	49
2256.565	Co I	67
2256.64	Cr III	
2256.750	Fe I	112
2256.897	Fe II	365

I A	Spectrum	Multiplet No.
Air		
*2256.968§	V I	37
*2256.984§	V II	16
2257.33	Cr III	39
2257.406	Fe III	73
*2257.53 §§	Cr III	50
2257.537	Nb II	26
2257.582	Co I	16
2257.62	Cr II	76
2257.76	Cr II	76
2257.788	Fe II	365
2257.88	Zr II	
2257.886	Nb I	22
*2257.92 §§	Cr III	39
2257.96 P	Cr II	12
2257.96	Cr II	76
2257.999	Al I	6
2258.09	Cr II	76
2258.145	Ni I	32
2258.59	Cr III	63
*2258.814§	V II	16
2259.08	Cr I	41
2259.279	Fe I	16
2259.511	Fe I	15
2259.562	Ni I	32
2259.58	Si I	90
2260.045	Co II	
2260.078	Fe II	4
2260.08	Ti I	15
2260.228	Fe II	5
2260.528	Cu I	20
2260.547	Fe III	64
2260.594	Fe I	112
2260.853	Fe II	4
2260.854	Nb I	23
2260.86 P	Fe I	73
2261.084	V II	16
2261.23	Ti II	22
2261.424	Ni I	13
2261.592	Fe III	111
2261.64	Ti II	22
2261.64	Cr III	39
2261.67	Cr I	41
2261.70	Si I	47
2261.850	V II	
2262.132	Nb II	43
2262.15	Cr I	41
2262.32	Cr I	41
2262.404	V II	171
2262.58	Cr II	314
2262.592	Co I	14
2262.686	Fe II	5
2262.888	Fe III	111
2262.90	Ni II	39
2263.079	Cu I	24
2263.212	Cu II	133
2263.224	Fe II	246
2263.453	Al I	5
2263.476	Fe I	15
2263.731	Al I	6
2263.780	Cu II	153
2264.07	Ti I	
2264.389	Fe I	71
2264.39	V I	37
2264.456	Ni II	12
2264.556	Nb II	65

FINDING LIST—CONTINUED

I A	Spectrum	Multiplet No.	I A	Spectrum	Multiplet No.	I A	Spectrum	Multiplet No.
Air			Air			Air		
2264.589	Fe II	246	2273.89	V II	27	2281.999	Sr II	9
2264.88	Cr III	39	*2274.00 §	Fe III	153	2282.21	A III	10
2264.880	Co I	70	*2274.088	Fe I	16, 70	2282.861	Fe I	70
2265.02	Zr II		2274.128	Nb II	34	2282.863	V II	123
2265.053	Fe I	16	2274.198	Nb II	65	2283.004	Nb II	9
2265.36	Ni II	39	2274.495	Co I	14	2283.079	Fe I	71
2265.61	Fe I	73	2274.617	Co I	72	2283.299	Fe I	16
2265.676	Nb II	10	2274.662	Ni I	9	2283.382	V I	35
2265.991	Fe II	5	2274.74	Cu II	77	2283.469	V II	123
2266.348	Ni I	33	2274.75	Ni II	38	2283.534	Co II	9
2266.538	Co II		2275.189	Fe I	16	2283.653	Fe I	16
2266.66	Cr I	41	2275.29	Sr I	8	2283.766	V II	
2266.699	Fe II	315	2275.30	Cr I	41	2283.93	Cl III	15
2266.70	As I	18	2275.39	Zr II	79	2283.991	Fe II	132
2266.732	Nb II	49	2275.43	Cr III	67	2284.087	Fe I	14
2266.903	Fe I	70	2275.471	Ca I	6	2284.13	Cr II	
2267.080	Fe I	17	2275.475	V I	93	2284.224	Fe II	105
2267.113	Co I	18	2275.586	V II	15	2284.375	Co I	71
2267.42	Fe III	133	2275.593	Fe I	111	2284.44	Cr III	
2267.465	Fe I	70	2275.70	Ni II	39	2284.494	V I	93
2267.554	Ni I	10	2275.883	V II	27	2284.5	Y III	4
2267.584	Fe II	4	2275.884	Co I	68	2284.66	Cr I	41
2267.612	V II	15	2276.025	Fe I	14	2284.748	V II	45
2267.64	Cr I	41	2276.253	Cu II	13	2284.86	Co I	14
2267.98	Ti I	15	2276.30	Cr I	41	2284.920	V II	26
2268.12	Cr I	41	2276.378	Fe II	315	2284.979	Fe III	73
2268.14	Y II	15	2276.38	Cr III	50	2284.982	V I	93
2268.163	Co I	67	2276.45	Ni II	51	2285.114	P II	7
2268.30	V IV	8	2276.661	V I	36	2285.223	Nb II	6
2268.34	Cr II	314	2276.69	Zr II		2285.25	Zr I	
2268.527	Nb II	9	2276.75	Ti I	15	2285.408	Co I	63
2268.562	Fe II	5	2276.870	Fe III	73	2285.525	Fe II	184
2268.742	Co I	69	2276.889	V I	35	2286.165‡	Co II	9
2268.78	Ti I	15	2277.098	Fe I	71	2286.27	Cr II	48
*2268.844	Fe II	5	2277.426	Nb I		2286.37	Cr I	41
2268.95	Cl III	15	2277.47	Cr III	67	2286.55	Cr III	50
2269.093	Fe I	16	2277.663	Fe I	70	2286.581	V I	35
2269.093	Al I	5	2277.820	Fe III	127	2286.642	Cu II	152
2269.14	Ti II	22	2278.30	Si I	89	2286.66	Zr IV	3
2269.212	Al I	5	2278.30	Co I	16	2287.082	Ni II	22
2269.293	V II	15	2278.34	Cl III	15	2287.248	Fe I	14
2269.43	Zr I		2278.432	Fe III	127	2287.315	Ni I	34
2269.865	Nb II	65	2278.614	Fe I	16	2287.632	Fe I	71
2270.180	Nb II	34	2278.771	Ni II	22	2287.66	Ni II	38
2270.209	Ni II	12	2278.972	V II	161	2287.804	Co I	64
2270.860	Fe I	15	2279.152	V I	35	2288.12	As I	6
2271.36	As I	6	2279.376	V II	27	2288.396	Ni I	34
2271.781	Fe I	70	2279.480	Co I	67	2288.63	Zr II	63
2271.848	V II	15	2279.762	V II	161	2288.774	Co I	69
2271.951	Ni I	35	2279.90 P	Co I	11	2289.032	Fe I	70
2272.048	V I	35	2279.918	Fe II	4	2289.219	V II	27
2272.067	Fe I	16	*2279.922§	Fe I	16	2289.23	Cr III	
2272.26	Co II	9	2280.00	Ti I	15	2289.40	Cu II	76
2272.45	Ti I	16	2280.222	Fe I	70	2289.495	Co I	15
2272.65	Ti I	16	2280.338	V II	123	2289.61	Si I	88
2272.730	Nb II	17	2280.36	Zr II	25	2289.982	Ni I	5
2272.816	Fe I	71	2280.44	Co II		2290.064	Fe I	70
*2273.024	V II	15, 171	2280.450	Nb II	8	2290.126	Fe III	153
2273.10	Sc II	2	2281.003	P II	6	2290.541	Co I	66
2273.30	Cr III	67	2281.136	Nb II	49	2290.546	Fe I	71
2273.33	Ti I	15	2281.235	V II	123	2290.66	Cr III	50
2273.566	Nb II	9	*2281.601	V II	26, 123, 161	2290.771	Fe I	70
2273.616	V II	170	2281.66	Fe I	110	2290.998	Cu II	179
2273.62	Cr I	41	2281.830	Nb II		2291.03	Si I	46
2273.732	Co II		2281.986	Fe I	17	2291.11	Cr II	131

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I A	Spectrum	Multiplet No.
Air		
*2291.122	Fe I	70, 71
*2291.15	Zr II	25, 59
2291.38	Cl III	15
2291.450	Co I	68
2291.527	V I	35
2291.624	Fe I	17
2291.850	Fe III	156
2291.98	Co II	21
2292.523	Fe I	15
*2292.588	V II	26, 179
2292.770	Fe II	315
2292.79	Fe I	74
2293.056	Fe III	156
2293.114	Ni I	32
2293.32	O II	19
2293.415	Co II	9
2293.765	Fe II	184
2293.78	Ti I	14
2293.842	Cu I	19
2293.845	Fe I	15
2294.003	Co I	14
2294.08	Zr II	59
2294.24	Ti I	14
2294.364	Cu II	13
2294.406	Fe I	14
2294.46	Cr II	191
2294.603	Fe II	184
2294.983	Nb II	65
2294.992	V II	26
2295.20	Cr II	319
2295.223	Co I	12
2295.40	Si I	46
*2295.414	V I	33, 35
2295.504	V II	26
2295.53	Zr II	63
2295.535	Fe I	109
2295.55	Cr III	
2295.681	Nb II	9
2296.038	Co I	68
2296.22	Cr II	48
2296.553	Ni II	21
2296.662	Fe II	167
2296.704	Co I	67
2296.769	Fe II	133
2296.89	C III	8
2296.925	Fe I	14
2297.140	Ni II	11
2297.17	Cr II	19
2297.486	Ni II	11
2297.611	Nb II	49
2297.785	Fe I	14
2297.89	Cr III	50
2298.175	Fe I	14
2298.225	Fe II	133
2298.269	Ni II	21
2298.356	Co I	67
2298.50	Ni II	39
*2298.51	Cl III	10, 19
2298.657	Fe I	15
2298.746	Co II	21
2298.954	Mn II	2
2299.218	Fe I	14
2299.453	Fe I	71
2299.544	V I	34
2299.65	Ni II	27
Air		
2299.76	Co II	21
2299.86	Ti I	14
2300.08	Cr II	319
2300.10	Ni II	27
2300.140	Fe I	15
2300.35	O II	19
2300.58	Cr II	149
2300.599	Fe I	108
2300.774	Ni I	29
2300.785	Nb II	9
2301.01	Ni II	39
2301.171	Fe I	
2301.419	Co II	9
2301.424	Fe II	184
2301.60	Zr III	42
2301.61	Zr II	
2301.682	Fe I	14
2302.086	Nb II	9
2302.256	V II	44
2302.465	Ni II	59
2302.52	Zr II	82
2302.531	V I	32
2302.75	Ti I	14
2302.808	Fe III	152
2302.973	Ni I	32
2302.98	Ni II	11
2303.012	Fe III	138
2303.03	Si I	87
2303.116	Cu I	23
2303.203	Fe III	138
2303.238	V II	26
2303.349	Fe II	167
2303.422	Fe I	15
2303.504	Co I	10
2303.579	Fe I	15
2303.840	Fe II	415
2303.85	Ni II	51
2303.966	Co I	62
2304.02	Cr II	130
2304.182	Co I	11
*2304.727§	Fe I	71
*2304.736§	Fe II	184
2305.001	Mn II	2
2305.169	Co I	14
*2305.24	Ni II	38, 59
2305.52	Cr II	149
2305.69	Ti I	14
2306.164	Fe I	71
2306.378	Fe I	111
2306.78	Zr II	82
2306.81	Cr II	19
2307.19	Cr II	19
2307.351	Ni I	35
2307.39	Sr I	7
*2307.56	Cr II	131, 319
2307.79	Ni II	38
*2307.84	Co II	9, 21
2308.10	Zr II	
2308.12	Zr III	28
2308.287	V I	32
2308.52	Ni II	50
2308.831	V II	44
2308.88	Ti I	14
2308.997	Fe I	14
2309.03	Co I	11
Air		
2309.072	V II	26
2309.239	Nb II	9
2309.578	Fe III	144
2309.99	Cr III	54
2310.180	V I	32
2310.44	Zr I	17
2310.952	Ni I	10
2311.031	Al I	12
2311.224	Fe II	245
*2311.38	Co I	15, 62
2311.465	V I	32
2311.602	Co II	9
2312.028	Fe II	105
2312.23	Ni II	27
2312.335	Ni I	10
2312.410	V I	32
2312.491	Al I	12
2312.531	V I	95
2312.561	Co II	21
2312.91	Ni II	58
2313.102	Fe I	14
2313.300	Fe II	288
2313.527	Al I	12
2313.617	Co II	21
2313.939	V II	44
2313.962	Fe II	184
2313.976	Ni I	10
2314.036	Co II	9
2314.055	V II	44
2314.10	V III	11
2314.20	Ge I	10
2314.27	Ti I	14
*2314.63 §§	Cr III	44
2314.691	V I	90
2314.71	Cr II	19
2314.81	Cr II	19
2314.850	Nb II	26
2314.97	Co II	9
2314.992	Al I	12
2315.314	Fe II	389
2315.634	V I	32
2316.034	Ni II	11
2316.157	Co I	14
2316.46	N II	16
2316.65	N II	16
2316.751	V I	90
*2316.843	Co I	11, 64
2317.01	N II	16
2317.159	Ni I	8
2317.27	Zr II	58
2317.377	Fe II	183
2317.487	Al I	12
2317.892	Fe I	111
2318.343	Fe II	183
2318.48	Ni II	38
2318.49	Cr II	208
2318.534	Fe II	132
2318.77	Cr II	149
2318.770	Ni I	58
2318.94	V III	11
2319.069	Al I	12
2319.07	Cr III	44
2319.152	Co I	13
2319.220	Fe III	72
2319.38	Cr II	34

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I A	Spectrum	Multiplet No.
Air		
2319.466	Fe III	144
2319.561	Cu I	22
2319.589	Nb II	49
2319.73	Ni II	37
2320.026	Ni I	9
2320.08	Cr II	19
2320.156	V I	32
2320.29	Cr II	128
2320.356	Fe I	14
2320.39	Cr II	19
2320.906	Co I	15
2320.94	Cr II	129
2321.377	Ni I	9
2321.570	Al I	12
2321.687	Fe II	183
*2321.71 §	Fe III	132
2321.87	Zr II	
2321.95	Cr II	208
2321.953	Ni I	34
2321.996	Nb II	24
2322.096	V I	31
2322.260	Co I	15
2322.326	Fe II	183
2322.355	Sr II	9
2323.131	Co I	11
2323.50	Cl III	10
2324.189	V I	95
2324.237	Nb II	9
*2324.317	Co II	8, 21
2324.347	V I	31
*2324.359§	Fe III	156
2324.48	Zr II	65
2324.52	Sr II	9
2324.645	Ni I	14
2324.748	V I	32
2324.77	Zr II	63
2324.88	Cr III	44
2325.07	V III	11
2325.296	Fe II	183
2325.530	Co I	14
2325.577	Fe II	288
2325.601	Co I	63
2325.794	Ni I	9
2325.873	V I	31
2326.150	Co II	8
2326.44	Ni II	11
2326.493	Co II	8
2326.61	Cr II	129
2326.948	Fe III	121
2327.30	Y III	1
2327.391	Fe II	3
2327.539	Co I	65
2327.67	Cr III	62
2327.92	Ge I	10
2327.953	Fe II	183
2327.970	V I	31
2328.298	Co I	
2328.861	Co I	
2329.130	Co II	21
2329.529	V I	31
2329.63	Cr I	40
2329.637	Fe I	12
2329.905	Fe III	72
2329.963	Ni I	8
2330.03	Cr II	128
Air		
2330.144	V II	
2330.37	V III	11
2330.37	Co II	8
2330.38	Zr II	59
2331.076	Fe II	183
2331.308	Fe II	35
2331.38 P	Fe III	72
2331.67	V III	11
2331.698	Ni I	13
2332.087	Co I	
2332.39	Cr II	172
2332.503	Fe II	414
2332.58	Y I	10
2332.798	Fe II	3
2332.81	Se I	21
2332.98	Cr I	40
2333.071	Co I	15
2333.09	Cr III	44
2333.33	Cr I	40
2333.33	V I	31
2333.46	Cr II	47
2333.84	Cr II	47
2333.87	Cr II	47
2334.15	V III	11
2334.17	Cr II	47
2334.24	Cr II	47
2334.37	Cr II	47
2334.41	Cr II	47
2334.434	V I	31
2334.45	Cr II	47
2334.58	Cr II	47
2334.590	Ni II	20
2334.802	Nb II	6
2334.83	Cr II	47
2335.102	Co I	6
2335.204	V II	44
2335.326	V II	44
2335.480	V II	55
2335.98	Co I	11
2336.098	V II	57
2336.17	Cu II	177
2336.246	Co II	8
2336.42	Cr II	129
2336.45	Cl III	10
2336.59	Ni II	27
2336.70	Ni II	50
*2336.768§	Fe III	121
2337.08	V III	11
2337.087	Ni I	29
2337.484	Ni I	8
2337.74	Cr II	128
2337.744	Nb I	
2337.76	Zr II	65
2337.814	Ni I	32
2337.95	Co I	14
2337.956	V II	55
2338.005	Fe II	3
2338.493	Ni I	30
2338.656	Co I	11
2338.961	Fe III	72
2339.048	Co I	12
2339.27	Cr I	40
2339.408	Fe II	105
2339.550	Co I	62
2339.673	V I	31
Air		
2339.71	Cr I	40
2339.913	Fe III	151
2340.352	Fe II	344
2340.459	Fe II	166
2340.479	V I	31
2340.51	Cr III	
2340.64	Cl III	19
2340.8	Y II	21
*2340.87	Zr I	17, 17
2340.939	Fe II	166
2341.150	Co II	
2341.17	Cr I	40
2341.18	Ni II	50
2341.32	Zr I	17
2341.358	V II	56
2341.575	Fe I	13
2341.953	Fe II	314
2342.142	V II	55
2342.238	Fe II	104
2342.30	K II	
2342.46	Cr III	44
2343.489	Ni II	37
2343.495	Fe II	3
2343.93	Ni II	58
2343.958	Fe II	35
2344.03	As I	17
2344.278	Fe II	3
2344.293	Co II	8
2344.517	Nb I	
2344.54	Cr II	203
2345.17	A III	10
2345.177	Fe II	287
2345.25	Cr II	34
2345.26	Ni II	58
2345.327	Fe II	165
2345.35	Cr II	34
2345.44	Ni II	11
2345.539	Ni I	6
2345.93	Zr II	16
2346.161	Co I	12
2346.17	Cu III	20
*2346.271	Fe II	314, 379
2346.28	V III	11
2346.35	Ti II	18
2346.497	Mn I	35
2346.508	Fe II	379
2346.532	Nb II	25
2346.628	Ni I	12
2346.868	V II	54
2346.899	Mn III	15
2346.926	Fe II	379
*2346.961§	Fe III	72
2347.026	V I	31
2347.06	V III	11
2347.13	Zr II	43
2347.406	Co II	8
2347.46	Ti II	18
2347.507	V II	55
2347.507	Ni I	5
2347.657	Co I	10
2348.118	Fe II	36
2348.22	V III	11
2348.300	Fe II	3
2348.612‡	Be I	1
2348.734	Ni I	32

I A	Spectrum	Multiplet No.
Air		
2348.74	Cu II	133
2348.92	Cr I	40
2349.84	As I	6
2349.97	Ti II	18
2350.00	Cr II	220
2350.186	Fe II	379
2350.284	Co I	63
2350.352	Mn I	35
2350.40	Cr I	40
*2350.408	Fe I	11, 69
2350.507	Mn III	15
2350.67	Ti II	18
2350.84	Ni II	19
2350.91	Zr II	86
2351.198	Fe II	165
2351.385	Co I	13
2351.672	Fe II	379
2351.69	Zr II	62
2351.96	Cr II	293
2352.177	V II	55
2352.315	Fe II	379
2352.338	Nb II	24
2352.837	Nb II	8
2352.864	Co I	60
2352.937	Mn I	35
2353.21	Zr II	16
2353.29	Cr II	10
2353.36	Co I	11
2353.44	Cr II	10
2353.446	Co II	8
2353.682	Fe II	379
2354.040	Nb II	42
2354.05	Cr II	10
2354.20	Y I	10
2354.30	Cr I	40
2354.319	Sr I	6
2354.473	Fe II	165
2354.59	Cr II	203
2354.61	Ti II	18
2354.64	Cr II	10
2354.656	V II	43
2354.659	Mn III	15
2354.884	Fe II	35
2355.02	Cu II	77
2355.050	Ni I	31
2355.10	Cr II	203
2355.17	Ti II	18
2355.218	Fe II	165
2355.232	V II	25
*2355.327 §	Fe I	11
2355.351	Fe II	379
2355.480	Co I	11
2355.611	Co I	63
2355.62	Cr II	293
2355.86	Ti II	18
2355.90	Zr I	16
2355.915	Fe I	12
2356.267	Co I	10
*2356.290	Nb II	24, 42
2356.41	Ni II	22
2356.58	Cr II	208
2356.638	Cu II	13
2356.864	Ni I	30
2356.96	Cr II	46
*2357.005	Fe II	333, 379
Air		
*2357.45	Zr II	58, 58
2357.507	Co I	114
2357.810	V II	187
2357.82	Ti II	18
2358.177	Co I	11
2358.447	Mn II	38
2358.676	Co I	6
2358.70	V III	15
2358.82	Cr II	148
2358.853	Ni I	29
2359.08	Zr II	
*2359.111	Fe II	3, 165, 379
2359.456	Mn II	38
2359.594	Fe II	165
2359.67	Cl III	24
2359.999	Fe II	35
2360.096	Mn II	38
2360.14	Cr II	208
2360.28 P	Fe III	121
2360.287	Fe II	36
2360.302	Nb II	62
2360.334	V II	43
2360.633	Ni I	10
2360.75	Cr II	46
2360.789	Co I	116
*2360.89	Cr II	46, 46
2361.371	Fe II	270
2361.536	Co II	8
*2361.728	Fe II	165, 379
2361.76	Zr II	65
2361.79	Cr II	220
2361.81	Y I	10
2362.00	Cr II	111
2362.014	Fe II	35
2362.070	Ni I	5
2362.19	Cr I	40
2362.26	Cr II	111
2362.327	Co I	62
2362.632	V II	185
2363.05	As I	5
2363.52	Zr I	16
2363.641	Fe II	165
2363.65	Cr II	111
2363.811	Fe II	270
2363.836	Co II	8
2363.84	Zr II	16
2363.855	Fe II	379
2364.02	Cr II	10
2364.58	Zr II	86
2364.73	Cr I	1
2364.825	Fe II	3
2364.95	Zr II	64
2365.05	Ti I	13
2365.057	Co I	6
2365.13	Cr I	39
2365.15	Cr II	111
2365.172	Ni III	23
2365.215	Nb II	33
*2365.26	Cr II	111, 203
2365.401	Mn III	15
2365.509	Fe I	107
2365.657	Ni I	8
2365.771	Fe II	
2365.91	Cr I	1
2365.972	Ni III	23
Air		
2366.040	Fe II	287
2366.14	Cr I	40
2366.22	Zr II	72
2366.27	V III	15
2366.31	Cr I	39
2366.490	V II	25
2366.56	Ni II	36
2366.591	Fe II	35
2366.75	Cr II	34
2366.81	Cr I	1
*2366.84	Cr II	34, 34
*2366.864	Fe II	2, 165
2366.883	V II	43
2367.064	Al I	4
2367.25	Y III	1
2367.33	Zr I	16
2367.395	Ni II	11
2367.596	Al I	11
2367.86	Cr I	10
2368.090	Al I	11
2368.49	Cr I	39
*2368.57	Ti I	12, 13
2368.593	Fe II	36
2368.860	Nb I	
2369.23	Ni II	36
2369.232	Fe II	182
2369.289	Al I	11
2369.29	Ti I	13
2369.454	Fe I	11
2369.67	As I	17
2369.674	Co I	60
2369.887	Cu II	51
2369.924	Co I	62
2369.954	Nb II	32
2369.960	Fe II	379
2370.14	Zr II	
2370.208	Al I	11
2370.37	Cr I	39
2370.37	Cl III	24
2370.494	Fe II	35
2370.514	Co I	8
2370.74	Cu II	76
2370.77	As I	17
2371.04	V III	10
2371.18	Cr I	70
2371.29	Ga I	5
2371.428	Fe I	11
2371.458	Co I	133
2371.845	Co I	12
2371.95	Ti I	12
2372.084	Al I	3
2372.115	Al I	11
2372.116	Mn I	2
2372.168	V II	
2372.23	Ti I	12
2372.57	Zr I	17
2372.584	V II	25
2372.63	Cr II	127
2372.631	Fe II	333
2372.730	Nb II	6
2372.777	Fe II	148
2372.832	Co I	9
2372.88	Cr I	39
2372.92	Zr II	43
2373.132	Al I	4

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I A	Spectrum	Multiplet No.
Air		
2373.358	Mn II	38
2373.360	Al I	4
2373.370	Co I	
2373.549	Al I	11
2373.618	Fe I	11
2373.69	Cr I	39
2373.733	Fe II	2
2373.840	Mn III	14
2373.862	Co I	13
2373.904	Fe III	115
2374.312	Mn III	15
2374.43	Zr I	15
2374.517	Fe I	11
2374.59	Ti I	13
2375.02	Ti III	10
2375.06	Cr I	39
2375.180	Fe II	
2375.192	Fe II	36
2375.201	Co II	8
2375.426	Ni II	21
2375.69	Cr II	146
2375.98	Cr I	70
2376.016	Ni I	30
2376.29	Cu II	176
2376.398	Nb II	7
2376.40	Cr II	147
2376.435	Fe II	379
2376.725	Fe III	115
2377.083	V I	89
2377.183	Mn I	2
2377.215	Co I	63
2377.31	Ni II	28
2377.991	Fe I	107
2378.08	Cr I	70
2378.15	Ti I	12
2378.25	Zr I	17
2378.28	Cr II	45
2378.408	Al I	3
*2378.526	Fe II	270, 377
2378.636	Co II	7
2378.68	Cr II	45
2378.68	Zr I	17
2378.691	Fe II	388
2378.90	Cr II	45
2378.905	Co I	125
*2379.003	Fe II	182
2379.14	Ge I	9
2379.149	V II	43
2379.155	Fe II	211
2379.160	Co I	12
2379.275	Fe II	36
2379.47	Cl III	17
2379.56	Cr I	38
2379.720	Ni I	55
2379.85	Cr I	39
2379.95	Cr I	10
2380.178	V I	28
2380.266	V I	28
2380.46	Cr I	10
*2380.483	Co I	6, 61
2380.55	Zr I	
2380.696	Co I	10
2380.757	Fe II	3
2380.80	Ti I	13
2380.812	Ni I	13
Air		
2380.910	V II	25
2381.18	As I	5
2381.36	Cr I	70
*2381.48	Cr II	34, 34
2381.780	Co II	
2381.831	Fe I	11
2381.97	Cr II	44
2382.032	V II	
2382.034‡	Fe II	2
2382.20	Cr II	44
2382.356	Fe II	35
2382.36	Cr I	39
2382.45	V III	10
2382.48 P	V II	43
2382.65	Zr III	27
2382.902	Fe II	117
2383.038	V I	29
2383.060	Fe II	2
2383.242	Fe II	36
2383.303	Cr I	39
2383.479	Co II	7
2383.995	V II	25
2384.049	Mn I	2
2384.16	Zr I	
2384.286	V I	28
2384.386	Fe II	36
2384.390	Ni I	10
2384.52	Ti I	12
2384.64	V I	28
2384.858	Co I	5
2384.94	Cu II	76
2384.999	Fe II	35
2385.011	Ni I	
2385.72	Cr I	39
2385.813	Co I	
2385.92 P	Fe I	69
2386.18	Cr I	38
2386.376	Co II	7
2386.387	Fe II	396
2386.409	V I	60
2386.585	Ni I	32
2386.77	Cr I	36
2386.956	V I	89
2387.004	Mn II	48
2387.03	Cr II	127
2387.101	Nb II	55
2387.17	Zr II	43
2387.188	Ni III	26
2387.380	Fe II	
2387.424	Fe II	286
2387.475	V I	27
2387.521	Nb II	33
2387.549	Ni I	54
2387.77	Ni II	19
2388.00	Zr I	16
2388.084	V I	28
2388.175	Co I	59
2388.230	Fe II	148
2388.260	V II	73
2388.374	Co I	10
2388.387	Fe II	117
2388.629	Fe II	2
2388.910	V I	89
2388.930	Co II	7
2389.023	Mn III	14
Air		
2389.144	V II	43
2389.21	Cr I	37
2389.21	Zr I	
2389.43	Cr I	36
2389.48	Ge I	9
2389.52	Zr II	64
2389.533	Fe III	131
2389.55 P	Co I	10
2389.565	Co II	7
2389.696	V II	25
2389.75	Cr II	146
2389.870	Fe II	244
2389.971	Fe I	11
2389.984	Co I	60
2390.311	Fe II	304
2390.426	Co I	
2390.470	V II	
2390.546	Fe II	304
2390.766	Fe II	402
2390.774	V I	28
2390.868	V I	29
2391.106	Ni III	23
2391.226	V II	73
*2391.268	V I	60, 60
2391.369	Co I	
2391.475	Fe II	35
2391.95	Cr I	39
2392.029	Co I	6
2392.10	Ni II	36
2392.34	Cr I	36
2392.58	Ni II	36
2392.627	Cu I	19
2392.66	Zr II	72
2392.80	Cr II	299
2392.86	Cr I	36
2392.898	V I	60
2392.961	Ni I	31
2393.109	Ni I	31
2393.35	Zr II	34
2393.54	V III	10
2393.814	V II	73
2393.925	Co II	8
2393.99	Cr II	146
2394.09	Ge I	9
2394.172	Fe II	303
2394.270	V I	62
2394.386	Li I	5
2394.518	Ni II	20
2394.73	Cl III	14
2394.843	Ni II	36
2394.892	Fe II	116
2395.06	B II	4
2395.104	V I	60
2395.387	Mn II	48
2395.390	Co I	
2395.416	Fe II	2
2395.429	V I	60
2395.627	Fe II	2
2395.77	Cr I	38
2395.84	Cr I	35
2395.89	Cr I	37
2396.04	Mg III	5
2396.04	Cr I	37
2396.232	Co I	132
2396.36	Cr I	36

I A	Spectrum	Multiplet No.
Air		
2396.378	Ni I	12
2396.48	Cr II	147
2396.492	V I	60
2396.588	Co I	124
2396.630	Ni I	53
2396.706	V I	27
2396.714	Fe II	211
2396.779	Co I	
2397.23	Zr I	15
2397.423	Co II	16
2397.496	V I	29
2397.57	Zr II	24
2397.622	V II	73
2397.75	Cr II	43
*2397.775	V I	28, 60
2398.134	V I	27
2398.14	Y II	9
2398.215	Fe I	106
2398.277	V I	30
2398.28	Cr II	43
2398.484	Nb II	48
2398.51	Cr II	43
2398.554	Co I	
2398.559	Ca I	5
2398.62	Ni II	49
2398.664	Fe II	402
2398.697	V I	61
2398.877	V I	89
2398.97	Zr II	58
2399.02	Cr I	36
2399.21	Cr II	170
*2399.237	Fe II	2, 36
2399.29	Cr I	35
2399.499	Fe II	396
2399.56	Cr I	36
2399.636	Fe II	303
2399.67	V III	10
2399.67	Cr II	235
2399.954	V I	26
2400.112	Cu II	50
2400.166	V II	72
2400.24	Cr II	170
2400.274	Fe II	181
2400.338	Fe II	244
2400.558	Co I	115
2400.81	Zr I	
2400.833	Co I	60
2400.892	V II	
2401.301	Fe II	402
2401.595	Co I	10
2401.717	Mn II	48
2401.839	Ni I	6
2401.901	V I	26
2402.058	Co I	5
2402.07	Cr II	299
2402.164	Co I	12
*2402.255	Fe II	181
2402.31	Cr II	44
2402.450	Fe II	377
2402.559	Co I	61
2402.597	Fe II	36
2402.73	Cr II	44
2402.877	Ni III	26
*2402.98	Cr II	44, 171
2403.029	V I	60
Air		
2403.240	V II	73
2403.32	Cl III	17
2403.335	Cu II	76
2403.362	V I	60
2403.44	Zr I	15
2403.551	Fe III	114
2403.62	Cr II	169
2403.637	Co I	
2403.799	Fe II	378
2403.87	Cr II	170
2403.967	Fe II	413
2404.16	V III	10
2404.187	Co II	7
2404.22	Cr II	169
2404.430	Fe II	2
*2404.72 §	Cr II	335
*2404.72 §	Cr III	
2404.84	Co I	60
2404.882	Fe II	2
2404.92	Cr II	170
2405.17	Ni II	49
2405.245	V I	61
2405.28	Cr II	235
2405.344	Nb II	54
2405.49	Cu III	23
2405.52	Zr I	16
2405.688	Fe II	402
2405.70	Cr I	37
2405.72	Cr II	282
2405.733	V I	60
2405.81	Zr III	27
2405.850	Nb II	54
2405.937	Ni III	23
2406.018	Fe II	378
2406.03	Cr I	35
2406.086	Fe II	131
2406.21	Zr III	27
2406.266	Co I	58
2406.39	Ni II	36
2406.660	Fe II	2
2406.665	Cu I	19
2406.748	V I	26
2406.83	Zr II	64
2406.89	Ni II	36
2406.982	Fe II	302
2406.989	V II	72
2407.03	Zr I	15
2407.17	V III	10
2407.249	Co I	6
2407.41	Cr I	37
2407.592	V II	53
2407.680	Co II	16
2407.765	Fe II	396
2407.900	V I	26
2407.940	Fe II	116
2408.02	Cr II	335
*2408.045	Fe I	67, 68
2408.056	Mn III	14
2408.430	V II	42
2408.60	Cr I	36
2408.653	Fe II	402
2408.72	Cr I	36
2408.770	Co II	7
2408.853	Mn II	37
2409.290	Mn III	14
Air		
2409.377	Fe II	150
2409.45	Cr II	282
2409.535	Fe II	377
2409.708	Fe II	224
2409.96	Cr II	170
2410.18	Cr I	34
*2410.286	Fe II	181, 376
2410.43	Cr II	170
2410.504	Co I	124
2410.521	Fe II	2
2410.584	Mn II	37
2410.74	Ni II	18
2410.75	Cr II	235
2411.01	Cr II	170
2411.062	Fe II	2
2411.37	Ti I	11
2411.57 P	Co I	10
2411.58	Ti I	11
2411.618	Co I	6
2412.021	Fe II	388
2412.25	Ni II	11
2412.32	Cu III	23
2412.460	Nb II	32
2412.48	Cl II	
2412.640	Ni I	8
2412.686	V I	26
2412.735	Mn II	37
2412.762	Co I	10
2412.896	Co I	
2413.031	V I	23
2413.04	Ni II	19
2413.06	Cr II	170
2413.187	Co I	60
2413.308	Fe II	2
2413.517	Se I	12
2413.580	Co I	125
2413.64	Cr II	170
2413.65	Cr III	59
2413.85	Zr II	43
2413.89	V III	10
2413.92	Y II	9
2413.97	Ti III	9
2414.069	Co II	7
2414.080	Fe II	164
2414.458	Co I	6
2414.68	Y III	1
2415.068	Fe II	181
2415.23	Cr II	335
2415.29	Co I	6
2415.326	V I	23
2415.776	Fe II	130
2415.973	Fe II	376
2416.134	Ni II	20
2416.344	Mn II	37
2416.40	Cr II	235
2416.42	Cl III	17
2416.457	Fe II	396
2416.605	Cu I	33
2416.705	Fe II	286
2416.748	V I	26
2416.922	Co II	16
2416.994	Nb II	48
2417.045	Co I	
2417.29	Y II	9
2417.31	Cr II	282

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I A Air	Spectrum	Multiplet No.
2417.329	Co I	
2417.351	V I	23
2417.375	Ge I	8
2417.490	Fe I	105
2417.686	Co II	7
2417.859	Fe II	244
2417.939	Mn II	37
2418.37	Ti I	11
2418.440	Fe II	396
2418.568	Fe III	47
2418.687	Nb II	48
2418.69	Ga I	5
2418.702	Fe II	364
2418.738	V I	26
2419.058	Fe I	66
2419.122	Co I	
2419.310	Ni I	7
2419.37	Zr II	24
2419.485	Fe II	364
2419.5	Cl III	14
2419.82	Cr I	37
2419.828	Co I	59
2419.87	Cr II	43
2419.879	Fe I	68
2419.892	Fe II	180
2419.98	Cr I	34
2419.998	Fe II	396
2420.07 P	V II	41
2420.11	Cr II	43
2420.110	Mn I	34
2420.115	V I	26
2420.390	Fe I	64
2420.403	Mn I	33
2420.405	Fe III	103
2420.614	V I	24
2420.65	Zr III	27
2420.735	Co II	
2421.058	V I	23
2421.223	Ni I	6
*2421.265	Mn I	34
2421.31	Ti I	11
2421.514	Fe III	103
2421.688	Co I	60
2421.898	Fe II	116
2421.90	Cr II	169
2421.976	V I	23
2422.22	Y II	2
2422.47	Cl III	17
2422.568	Co I	123
2422.688	Fe II	301
2422.93	Cr II	169
2422.932	Fe II	115
2423.030	V II	24
*2423.094	Fe I	67, 68
2423.099	Mn I	34
2423.204	Fe II	301
2423.322	Ni I	5
2423.370	V I	23
2423.490	Mn III	14
2423.500	Fe II	388
2423.569	Sr II	8
2423.645	Co II	7
2423.653	Ni I	11
2423.697	Mn III	14
2423.919	Fe II	313

I A Air	Spectrum	Multiplet No.
2424.01	Cl II	
2424.027	Ni I	30
2424.141	Fe II	180
2424.26	Ti I	11
2424.260	Mn I	34
2424.380	Fe II	149
2424.436	Cu II	76
*2424.585	Fe II	180, 301
2424.932	Co I	5
2425.17	Sr II	2
2425.21	Cr II	43
2425.362	Fe II	210
2425.426	Li I	4
2425.593	Co I	59
2425.62	Sr II	2
2425.66	Cr II	43
2425.677	Fe II	224
2425.904	Fe II	130
2426.126	V I	26
2426.38	Zr II	72
2426.66	Cr I	84
2426.997	Co I	
2427.197	Fe II	114
2427.316	V II	41
2427.378	Mn II	74
2427.68	Cr II	202
2427.720	Mn II	74
2427.735	V I	25
2427.79	Cl II	11
2427.92	Cr I	84
2427.941	Mn II	74
2428.079	Fe II	114
2428.095	Sr I	5
2428.24	Ti I	10
2428.269	V I	23
2428.286	Mn I	34
2428.286	Fe II	301
2428.29	Cr II	246
2428.310	Co II	7
2428.36	Ti I	11
2428.367	Fe II	300
2428.423	Mn I	34
2428.795	Fe II	301
2428.89	Cr I	52
2428.970	Fe II	375
2429.034	Fe II	301
2429.092	Ni I	55
2429.148	Fe II	385
2429.226	Co I	7
2429.233	Mn I	33
2429.382	Fe II	148
2429.497	Fe II	180
2429.75	Cr III	59
2429.810	Fe I	68
2429.849	Fe II	
2429.89	Cr I	84
2430.073	Fe II	180
*2430.16	Cl II	11, 11
*2430.184	Fe II	301, 301
2430.395	Mn I	33
2430.876	Fe II	375
2431.025	Fe I	
2431.236	Fe II	375
2431.325	Fe III	114
2431.520	Mn I	34

I A Air	Spectrum	Multiplet No.
2431.568	V I	24
2431.57	Ni II	49
2431.59	V II	190
2431.67	Cr I	84
2431.915	Mn I	34
2431.940	V I	25
2432.014	V I	23
2432.213	Co I	5
2432.259	Fe II	180
2432.26	Zr II	64
2432.542	Co II	
2432.701	Fe II	321
2432.867	Fe II	321
2432.898	Mn I	33
2432.976	V II	41
2433.050	Fe II	384
2433.20	Cr II	202
2433.23	Ti I	10
2433.495	Fe II	164
2433.56	O II	18
2433.57	Ni II	19
2433.571	Fe II	359
2433.792	Nb II	41
2434.052	Fe II	375
2434.071	Mn I	33
2434.09	Ti I	11
*2434.10	Cl II	11, 11
2434.208	Mn I	33
2434.22	Cr I	96
2434.229	Fe II	384
2434.230	Ni III	26
2434.398	Fe II	301
2434.412	Ni I	53
2434.55	Zr II	24
2434.645	Fe II	301
2434.733	Fe II	321
2434.822	Fe II	375
2434.94	V II	24
2434.942	Fe II	180
2434.98	Cr I	84
2434.988	Fe II	383
2435.094	Co I	
2435.137	Mn I	33
2435.160	Si I	45
2435.32	Cr III	59
2435.376	Mn I	33
2435.511	Mn I	33
2435.518	V I	23
2435.816	Fe II	164
2435.865	Fe I	
2435.952	Nb II	41
2436.1	Cl III	26
2436.222	Fe II	209
2436.329	Nb I	18
2436.344	Fe I	
2436.413	Fe II	360
2436.435	Co I	
2436.615	Fe II	384
2436.663	Co I	5
2436.94	Zr II	8
2436.987	Fe II	375
2436.991	Co II	7
2437.100	Fe II	375
2437.157	Fe II	210
2437.23	As I	5

FINDING LIST—CONTINUED

I A	Spectrum	Multiplet No.
Air		
2437.256	Fe II	313
2437.369	Mn II	74
2437.411	Nb II	31
2437.632	Fe II	375
2437.848	Mn II	74
2437.892	Ni II	19
2438.039	V II	
*2438.10	Cr I	96
2438.174	Fe III	47
2438.181	Fe I	62
2438.188	Mn II	74
2438.28	Ti I	10
2438.46	Cr II	202
2438.47	Cu III	20
2438.70	Zr III	45
2438.76	Co III	74
2438.77	Si I	2
2439.02	Cr I	96
2439.038	Co I	5
2439.102	V I	24
2439.301	Fe II	209
2439.495	Co I	
2439.69	Cl III	26
2439.743	Fe I	157
2439.860	Fe II	375
2440.106	Fe I	157
2440.21	Ti II	21
2440.416	Fe II	300
2440.98	Ti I	10
2441.040	Co I	132
2441.133	Fe II	395
2441.30	Zr I	
2441.352	V I	25
2441.548	Fe II	210
2441.637	Cu I	1
2441.664	V II	93
2441.665	Ni I	31
2441.817	Ni I	31
2441.892	V I	23
2441.97	Zr II	23
2442.47	Cl III	17
2442.567	Fe I	157
2442.628	Co II	
2442.67	Ti II	21
2442.67	Cu II	103
2442.888	Co I	
2443.25	Cr I	96
2443.35	Cr II	189
2443.37	Si I	2
2443.548	Co I	57
2443.804	Co II	16
2443.842	Fe II	375
2443.871	Fe I	63
2444.08	Cr II	190
2444.20	Cr II	190
2444.26	O II	18
2444.274	Fe II	375
2444.515	Fe II	148
2444.57	Zr III	27
2444.967	V II	92
2445.066	Nb I	17
*2445.09	Cr II	190, 245
2445.107	V II	39
2445.114	Fe II	375
2445.210	Fe I	63
Air		
2445.224	V I	24
2445.34	Cl II	
2445.55	O II	18
2445.569	Fe II	148
2445.787	Fe II	300
2446.038	Co II	
2446.103	Fe II	300
2446.11	Cr II	328
2446.12	Ti I	10
2446.130	Nb I	19
2446.203	Fe II	209
2446.393	Mn II	105
2446.405	Fe II	375
2446.462	Fe II	164
2446.697	V II	41
2446.91	Cr II	190
2447.14	Cl III	17
2447.203	Fe II	300
2447.320	Fe II	299
*2447.374§	Fe III	143
2447.560	Fe II	299
2447.608	V II	93
*2447.708§	Fe I	9
2447.753	Fe II	320
2447.76	Cr II	306
2447.92	Ti II	21
2448.347	Ni III	23
2448.37	Zr I	24
2448.58	Cl III	17
2448.731	Fe II	222
2448.86	Zr III	27
2449.180	Co II	7
2449.185	Fe II	129
2449.272	Fe II	128
2449.573	Mg II	5
2449.63	Cr II	190
2449.739	Fe II	34
2449.83	Zr II	23
2449.95	Cr II	190
2449.961	Fe II	300
2450.022	Co II	16
2450.027	Fe II	
2450.078	Ga I	4
2450.134	Fe II	375
2450.196	Fe II	300
2450.236	V II	
2450.37	Cr II	190
2450.44	Ti II	21
2450.465	Ni I	57
2450.619	V II	92
2450.734	V II	41
2450.975	Ni I	
2451.106	Fe II	34
2451.208	Fe II	209
*2451.354	Fe II	114, 300
*2451.63	Cr II	245, 306
2451.870	Nb II	57
2452.04	Cr II	310
2452.12	Si I	2
2452.16	Co III	74
2452.30	Cl II	
2452.326	Mn II	105
2452.489	Mn II	74
2452.590	Fe I	157
2452.71	Cr II	328
Air		
2452.916	Fe II	300
2453.084	Nb I	16
2453.134	Mn II	74
2453.165	Fe II	386
2453.346	V II	92
*2453.367	Nb I	1, 20
2453.475	Fe I	62
2453.620	Mn II	74
2453.747	Fe II	375
2453.794	Fe II	163
2453.85	N III	28
2453.89	Be II	6
2453.90	Cr II	328
2453.935	Fe II	375
2453.973	Fe II	401
2453.984	Ni I	6
2454.06	Cr II	74
2454.158	Fe II	222
2454.21	Zr II	72
2454.47	Cr II	74
2454.574	Fe II	320
2454.61	Zr II	8
2454.99	O III	19
2455.00	Cr II	310
*2455.15	Cr II	310, 310
2455.51	Ni II	18
2455.721	Fe II	395
2455.892	Fe II	384
2456.22	Co I	57
2456.50	Zr I	24
2456.508	V II	41
2456.53	As I	5
2456.641	Fe II	320
2456.816	Fe II	209
2456.83	Cr III	43
2456.94	Cr II	310
2457.104	Fe II	269
2457.43	Zr II	23
2457.446	V II	91
2457.59	Cr II	281
2457.596	Fe I	62
2457.785	Fe II	299
2457.80	Ti I	9
2457.93	Y I	9
2458.00	Ti I	9
2458.288	V II	39
2458.564	Fe I	59
2458.582	Mn II	105
2458.782	Fe II	209
2458.964	Fe II	299
2458.98	Cr III	43
*2459.097	Fe II	163, 312
2459.233	V II	92
2459.296	Fe II	382
2459.32	Ni II	61
2459.35	Cr II	168
2459.358	V II	92
2459.84	Zr I	24
2459.86	Cl II	
2460.11	Y I	9
2460.171	Fe II	401
2460.31	Fe I	
2460.42	Cr II	168
2460.453	Fe II	395
2460.50	S III	17

FINDING LIST—CONTINUED

I A	Spectrum	Multiplet No.
Air		
2460.55	Cr II	
2460.62	Y II	9
2460.644	Fe II	359
2460.77	Cr II	310
2460.800	Co I	5
2460.887	Mn I	32
2461.011	Mn I	32
2461.282	Fe II	209
2461.30	N II	23
2461.495	V II	52
2461.667	Fe II	163
2461.757	Nb I	18
2461.855	Fe II	209
2461.93	Cr II	245
2462.047	Nb II	47
2462.178	Fe I	9
2462.325	Fe II	395
2462.35	Cr II	168
2462.56	N III	28
2462.645	Fe I	9
2462.776	Mn I	32
2462.82	Cr II	168
2462.889	Nb I	19
2463.005	Mn I	32
2463.157	V II	91
2463.280	Fe II	208
*2463.46	Cr II	92, 168
2463.49	Cr I	33
*2463.726§§	Fe II	129, 162
*2463.728§	Fe I	65
2463.776	Co I	7
2463.900	Fe II	385
2464.007	Fe II	208
2464.094	V II	22
2464.210	Co II	15
2464.31	Cr II	168
2464.432	Nb I	16
2464.615	Co I	7
2464.62	Cr II	168
2464.65	V II	22
2464.77	Kr II	9
2464.903	Fe II	208
2464.94	Cr II	168
2464.966	Ti I	9
2465.148	Fe I	62
2465.194	Fe II	148
2465.263	Ni I	8
2465.270	V II	92
2465.37	Zr II	23
2465.61	Cr II	281
2465.664	V I	
2465.78	Cr II	281
2465.90	Y II	9
2465.911	Fe II	208
2466.216	Mn II	64
2466.22	Cr II	74
2466.318	Nb I	16
2466.417	Mn II	64
2466.48	Cr II	310
2466.49	Cr I	33
2466.670	Fe II	179
2466.727	Nb I	17
2466.811	Fe II	179
2466.960	Ni I	56
2467.069	Co II	
Air		
2467.14	Cr I	33
2467.685	Co I	5
2467.730	Fe I	62
2467.732	Fe II	387
2467.97	Zr II	53
2467.979	Mn II	64
2468.03	Zr I	24
2468.194	Fe II	332
2468.207	Mn I	31
*2468.292	Fe II	145, 163
2468.36	N III	28
2468.360	Ti I	9
2468.50	Mg III	5
2468.51	Cu II	93
2468.561	Fe II	113
2468.654	V II	23
2468.67	Cr II	189
2468.878	Fe I	59
2469.072	Nb I	17
2469.13	Cr II	92
2469.20	Cl III	13
2469.373	Fe II	162
2469.388	V II	40
2469.40	Cr II	310
2469.407	Mn I	31
2469.512	Fe II	299
2469.712	Fe II	382
2469.823	Fe II	358
2469.95	Cr II	309
2470.270	Co I	57
2470.406	Fe II	208
2470.661	Fe II	179
2470.752	Fe II	223
2470.81	Cr II	92
2470.87	Cr II	309
2470.88	Cr I	32
*2470.961	Fe I	63, 63
2470.98	Ti I	9
2471.07	Cl III	14
2471.119	V II	52
2471.276	Fe II	394
2471.443	V I	20
2471.597	Sr II	8
2471.674	Fe II	162
2472.065	Ni I	7
2472.075	Fe II	162
2472.224	Ni I	7
*2472.343	Fe I	59, 63
2472.426	Fe II	179
2472.610	Fe II	395
2472.870	V II	22
2472.875	Fe I	9
2472.88	Cr III	43
2472.910	Fe I	9
2472.917	Ni I	
2472.922	Co I	57
2473.037	Fe II	400
2473.13	Ni II	19
2473.156	Fe I	8
2473.314	Fe II	148
2473.332	Cu II	76
2473.53	Cr I	33
2473.652	V I	59
2473.901	Co I	5
2474.08	Cr I	32
Air		
2474.22	Ti II	2
2474.27	Cr I	33
2474.55	Cr I	32
2474.655	Nb I	16
2474.762	Fe II	208
2474.813	Fe I	62
2474.90	Cr II	
2475.061	Li I	3
2475.125	Fe II	395
2475.178	V I	
2475.260	Al II	12
2475.451	V II	71
2475.548	Fe II	395
2475.69	Cr II	92
2475.865	V II	71
2476.264	Fe II	163
2476.295	V II	52
2476.437	Fe II	386
2476.510	V I	59
2476.640	Co I	56
2476.654	Fe I	62
2476.861	Fe I	65
2476.875	Ni I	3
2476.90	Cr II	145
2476.963	V II	22
2477.00	Cr II	
2477.117	Fe II	311
2477.21	Ti II	2
2477.342	Fe II	162
2477.379	Nb II	22
2477.487	Fe II	113
2477.70	Cr II	
2478.115	Fe II	224
2478.206	Fe II	149
2478.283	Nb II	47
2478.340	V II	40
2478.449	Fe II	161
2478.556	C I	61
2478.568	Fe II	179
2478.621	V II	52
2478.64	Ti II	2
2478.78	Cr II	
2478.97	V I	59
2479.043	V II	71
2479.14	Cr I	32
2479.225	Fe II	358
2479.276	Fe II	208
2479.385	Fe II	382
2479.478	Fe I	65
2479.518	V II	71
2479.57	Cr II	
2479.754	Cu I	34
2479.77	Cr III	43
2479.775	Fe I	9
2479.933	Nb II	41
2480.155	Fe II	179
2480.16	Zr II	15
2480.606	V I	59
2480.704	P II	5
2481.044	Fe II	243
2481.09	Cr II	145
2481.11	V I	97
2481.23	Cr I	32
2481.35	Zr II	14
2481.49	Ti II	10

FINDING LIST—CONTINUED

I A	Spectrum	Multiplet No.
Air		
*2481.576	Fe II	112, 331
2481.984	P II	5
2482.115	V I	59
2482.117	Fe II	161
2482.307	V II	39
2482.320	Fe II	358
2482.34	Cu III	23
2482.48	Cr II	92
2482.654	Fe II	207
*2482.711	V I	81, 88
2482.869	Fe II	400
2483.06	Cr III	43
2483.064	V II	71
2483.270	Fe I	9
2483.531	Fe I	62
2483.613	Co I	57
2483.67	Cr II	75
2483.721	Fe II	331
2483.74	Cr II	310
2483.79	Cr II	75
2483.878	Nb II	47
2484.028	Ni I	50
2484.11	A III	8
2484.152	P II	5
*2484.186§	Fe I	9
2484.243	Fe II	243
2484.27	Cl III	13
2484.32	Ni II	61
2484.442	Fe II	400
2484.553	Fe II	243
2485.076	Fe II	34
2485.380	Co II	14
2485.41	Cr II	309
2485.495	Fe II	382
2485.60	Zr II	33
2485.787	Cu II	92
2485.989	Fe I	59
2486.29	Cr II	92
2486.343	Fe II	208
*2486.372§	Fe I	8
2486.455	Co II	15
2486.66	Cr II	219
2486.690	Fe I	62
2486.86	Cr II	234
2486.91	Cl III	21
2487.03	Cr II	310
2487.064	Fe I	62
2487.28	Zr II	53
2487.356	Fe II	385
2487.368	Fe I	10
2487.528	V I	21
2488.143	Fe I	9
2488.149	Ni I	
2488.203	V I	22
2488.26	Cr III	66
2488.30	Cr II	
2488.335	Fe II	
2488.34	Cr II	93
2488.461	Co I	7
2488.616	V II	22
2488.737	V I	59
2488.942	Fe I	164
2489.13	V I	59
2489.249	Co I	7
2489.28	Cr II	92
Air		
2489.46	Cr II	
2489.48	Cr I	32
2489.485	Fe II	161
2489.507	Ni I	27
2489.59	S III	17
2489.67	Cr II	
2489.751	Fe I	9
2489.826	Fe II	207
2490.07	Cr II	219
2490.37	N II	20
2490.4	Y I	9
2490.642	Fe I	9
2490.689	Ni I	
2490.728	Fe II	331
2490.733	Na I	6
2490.75	Cr II	
2490.856	Fe II	179
2491.155	Fe I	9
2491.184	Ni I	
2491.35	Cr I	31
2491.392	Fe II	207
2491.983	Fe I	163
2492.146	Cu I	1
2492.17	Fe I	164
2492.341	Fe II	243
2492.57	Cr I	31
2492.62	Cr II	234
2492.64	Fe I	63
2492.86	Cr II	234
2492.91	As I	5
2493.08	Cr II	
*2493.174	Fe II	161, 207
2493.269	Fe II	161
2493.28	Cr II	93
2493.576	V II	5
2493.880	Fe II	400
*2493.998	Fe I	62, 63
2494.111	Fe II	161
2494.250	Fe I	57
2494.26	Cr II	
2494.391	Mn I	16
2494.547	Be I	3
2494.590	Be I	3
2494.735	Be I	3
2494.89	Cu I	33
2494.893	Fe II	382
2495.08	Cr I	31
2495.233	Fe II	393
2495.26	Zr I	
2495.551	Co I	56
2495.787	V I	22
2495.860	Fe II	
*2495.869§	Fe I	57
2496.003	P II	5
2496.04	Cl II	10
2496.24	S III	17
2496.30	Cr I	31
2496.44	Cr II	145
2496.48	Zr II	53
2496.532	Fe I	59
2496.60	Cr II	
2496.713	Co I	57
2496.773	B I	1
2496.81	Cr II	336
2496.88	N II	20
Air		
2496.992	Fe I	164
2497.002	V II	51
2497.300	Fe II	208
2497.328	P II	5
2497.58	Cu III	23
2497.655	V I	58
*2497.709	Fe II	128, 242
2497.724‡	B I	1
2497.80	Ni II	18
*2497.817	Fe II	175, 207
2497.87	Cr II	298
2497.91	Cr I	30
2497.974	Ge I	2
2498.024	V I	
2498.232	V I	20
2498.53	Cl II	10
2498.80	Cr II	93
2498.848	Co II	
*2498.895§	Fe I	8
*2498.897§	Fe II	161
2498.94	Ti II	10
2499.003	Mn II	45
2499.08	S III	17
2499.094	V I	21
2499.244	V I	17
2499.63	Cr II	42
2499.66	Cr I	69
2499.84	Cr I	31
2499.959	V I	17
2500.07	Cr II	42
2500.076	V II	5
2500.187	Ga I	4
2500.21	Cr II	336
2500.27	Cr III	66
2500.382	V I	18
2500.54	Ge II	18
2500.66	Cr I	30
2500.714	Ga I	4
2500.79	Cr I	30
2500.919	Fe II	357
2500.922	P II	5
2500.96	Si II	18
2501.00	Ge II	18
2501.128	Ni I	
2501.130	Fe I	7
2501.351	Fe II	400
2501.38	Zr II	14
2501.48	Cr II	73
2501.608	V I	19
2501.65	Cr I	30
2501.692	Fe I	56
2501.99	Si II	18
2502.001	Zn II	3
2502.16	Cr II	
2502.388	Fe II	207
2502.55	Cr I	32
2502.72	Cr I	32
2502.75	Cl II	10
2502.89	Cr I	69
2503.018	V II	21
2503.300	V I	17
2503.323	Fe II	206
2503.41	Cr II	298
2503.491	Fe I	164
*2503.560	Fe II	161, 175

FINDING LIST—CONTINUED

I A	Spectrum	Multiplet No.
Air		
2503.62	Cr II	201
2503.870	Fe II	285
2503.98	Zr II	7
2504.23	Cl III	13
2504.31	Cr I	31
2504.518	Co I	55
2504.522	Ti I	
2504.55	Cr II	320
2504.60	K II	5
2504.648	Nb I	16
2504.72	Cr III	
2505.00	Cr I	69
2505.004	Fe I	163
2505.04	Cr III	66
2505.107	Co I	
2505.217	Fe II	33
2505.485	Fe I	
2505.540	V I	22
2505.627	Fe I	
2505.84	Ni II	48
2505.86	Cr II	200
2506.091	Fe II	207
2506.11	Cr II	41
2506.215	V II	21
2506.270	Cu II	92
2506.33	Cr I	30
2506.41	Cr III	
2506.429	Fe II	128
2506.474	Co II	15
2506.482	V I	18
2506.569	Fe I	163
2506.76	Cr II	167
2506.797	Fe II	175
2506.82	Cr I	31
2506.84 P	Cr I	29
2506.873	Co I	57
2506.896	Si I	1
2506.902	V I	17
2506.93	Cr II	41
2507.014	Fe II	207
2507.32	Cr I	69
2507.57	Cr II	298
2507.598	Mn II	45
2507.607	Fe II	363
2507.678	Co I	56
2507.695	Fe II	363
*2507.777	V I	17, 19
2507.899	Fe I	59
2508.010	Co II	
2508.11	Cr I	30
2508.15	S III	17
2508.338	Fe II	
2508.751	Fe I	63
2508.822	V I	16
2508.854	V II	51
2508.91	A III	8
2508.97	Cr I	30
2509.01	Zr II	33
2509.10	Cr II	
2509.11	C II	14
2509.117	Fe II	242
2509.467	Ni III	22
2509.77	Zr II	33
2509.875	Fe II	363
2510.121	Fe II	400
Air		
2510.24	Cr II	200
2510.242	V I	19
2510.37	Cr I	31
2510.49	Cr I	29
2510.565	Fe II	112
2510.63	A II	18
2510.63	Cr I	29
2510.833	Fe I	7
2510.871	Ni II	18
2510.90	Ti II	4
2510.92	Cl III	13
2511.004	Nb II	22
2511.019	Co I	56
2511.172	Co II	
2511.182	V I	
2511.22	Cr II	91
2511.375	Fe II	33
*2511.418§	Fe III	93
2511.642	V I	17
2511.71	C II	14
2511.759	Fe II	161
2511.910	Fe II	175
2511.940	V I	17
2511.96	Cr I	69
2512.03	C II	14
2512.128	Na I	5
2512.210	Na I	5
2512.22	Cr II	167
2512.361	Fe I	8
2512.38	Cr II	199
2512.513	Fe II	343
2512.727	Fe II	129
2512.900	Co I	113
2512.902	Fe III	93
2513.155	Fe II	363
2513.328	Fe I	
2513.372	Fe II	207
2513.62	Cr I	30
2513.66	Cr II	308
2513.847	Fe I	164
2514.315	Si I	1
2514.322	V I	
2514.383	Fe II	285
2514.41	V I	80
2514.633	V II	21
2514.75	Ni II	61
*2514.912	Fe II	175, 206
2515.06	Cr II	308
2515.105	Fe II	
2515.145	V I	18
2515.722	V II	21
2515.848	Fe I	104
2515.89	Cr II	110
2515.90	Cr I	32
2515.925	Fe II	363
2516.01	Ti III	7
2516.109‡	Si I	1
2516.249	Fe I	57
2516.42	Cr I	69
2516.569	Fe I	61
2516.597	Mn II	21
2516.741	Mn II	45
2516.92	Cr I	30
2517.124	Fe II	147
2517.14	Ti I	8
Air		
2517.142	V I	19
2517.211	Fe II	207
2517.36	Cr II	336
2517.448	Ti II	4
2517.500	V I	16
2517.57	Cr I	29
2517.658	Fe I	59
2517.792	Co I	56
2517.87	Cr I	29
2517.875	Co I	57
2517.97	O II	21
2517.99	Cr I	29
2518.100	Fe I	7
2518.29	Cr II	308
2518.52	Cr I	28
2518.71	Cr I	30
2518.84	Cr II	308
2518.95	Cu II	103
2518.988	Co I	113
2519.01	Ti I	8
2519.044	Fe II	268
2519.08	Cr II	91
2519.203	Si I	1
2519.404	Fe II	222
2519.45	Cl III	13
2519.51	Cr I	31
2519.55 P	V I	19
2519.61	Cr II	320
2519.622	V I	17
2519.628	Fe I	59
2519.79	Ti II	4
2519.829	Co II	15
2520.162	Fe III	93
2520.23	Cr I	31
2520.267	Fe II	363
2520.27	N II	19
2520.31	V I	
2520.33	Ni II	47
2520.535	Fe II	343
2520.543	Ti I	8
2520.65	Cr II	108
*2520.669	Fe II	242
2520.749	Fe II	175
2520.83	Cr II	336
2520.85	N II	19
2520.908	Co I	
2520.968	Fe I	
2521.089	Fe II	268
2521.209	Fe II	
2521.361	Co I	3
2521.404	Nb II	40
2521.485	Fe II	
2521.76	Cr II	200
2521.810	Fe II	330
2521.90	Zr II	7
2521.917	Fe I	58
2521.986	Mn I	30
2522.01	Cr II	9
2522.189	Fe II	159
2522.27	N II	19
2522.36	Cu III	29
2522.392	V II	21
2522.488	Fe I	57
2522.513	V II	50
2522.848	Fe I	7

I A	Spectrum	Multiplet No.
Air		
2522.974	Co II	
2523.11	Fe I	
2523.24	Cr II	308
2523.451	Fe II	363
2523.62	Cr II	308
2523.658	Fe I	
2523.76	Cr II	199
2523.93	Cr II	199
*2523.953	V II	38, 50
2524.108	Si I	1
2524.208	Ni I	28
2524.290	Fe I	7
2524.360	Ni III	32
2524.40	C IV	14
2524.472	Mn I	30
2524.55	Cr II	
2524.655	Ti II	4
2524.664	Co II	27
*2524.985	Nb I	14, 15
2525.015	Co II	15
2525.021	Fe I	
2525.114	Fe II	330
2525.35	Cr II	
2525.386	Fe II	159
2525.42	Ni II	61
2525.619	Ti II	4
2525.806	Nb II	47
2525.858	Fe II	241
2525.933	Fe II	363
2526.071	Fe II	159
2526.213	V I	17
2526.292	Fe II	145
2526.30	Cr II	320
2526.589	Cu II	92
2526.837	Fe II	33
2527.107	Fe II	159
2527.11	Cr I	30
2527.16	Fe I	
2527.40	Cr II	308
2527.433	Fe I	7
2527.57	Cr II	9
2527.694	Fe II	329
2527.80	Ti III	7
2527.903	V II	50
2527.991	Ti I	8
2528.02	Cr I	29
2528.048	Ni I	51
2528.08	Cl III	9
2528.25	Cr I	29
2528.255	Co II	27
2528.466	V II	50
2528.510	Si I	1
2528.56	Cr I	29
2528.654	Co II	14
2528.676	Fe II	176
2528.700	Mn I	30
2528.833	V II	50
2528.91	Fe I	162
2528.968	Co I	3
2529.078	Fe II	357
2529.134	Fe I	7
2529.20	Cr I	28
2529.221	Fe II	241
2529.302	Cu II	131
2529.48	Cr II	9
Air		
*2529.545	Fe II	145, 177
2529.74 P	Ti II	4
2529.833	Fe I	7
2529.85	Ge II	17
2529.866	Ti I	8
2529.90	Cr II	308
2529.929	Fe II	329
2529.97	C IV	15
2529.97	Mg III	7
2530.09	Zn I	8
2530.102	Co II	27
*2530.103	Fe II	178, 363
2530.134	Co I	56
2530.174	V I	19
2530.18	Cr II	108
2530.20	Cr II	308
2530.30	O II	21
2530.44	Cr I	30
2530.694	Fe I	8
2530.719	Mn II	55
*2530.78	Cr II	110, 126
2530.968	Nb II	60
2530.99	Cr III	42
2531.082	Fe II	33
2531.266	Ti II	4
2531.354	Co I	57
2531.51 P	Fe I	162
2531.548	Na II	13
2531.76	Cl III	22
2531.76	Cr I	28
2531.795	Mn II	55
2531.84	Cr II	9
2531.890	Fe III	92
2532.076	Ni I	27
2532.093	Fe II	392
2532.176	Co I	56
2532.38	Si I	86
2532.47	Zr II	7
2532.48	Cl III	22
2532.65	Cr II	
2532.655	Al II	15
2532.779	Mn II	55
2532.874	Fe I	56
2532.99	Cr II	110
2533.050	Mn I	30
2533.16	Al II	15
2533.241	Ge I	2
2533.329	Mn II	55
2533.365	V II	50
2533.41	Al II	15
2533.45	Cr II	108
2533.626	Fe II	159
2533.65	Zr II	33
2533.800	V I	
2533.802	Fe I	
2533.838	Co II	27
2533.92	A III	8
2534.01	P I	8
2534.097	Mn II	55
2534.16	Zr II	67
2534.206	V I	19
2534.219	Mn II	55
2534.263	V II	50
2534.33	Cr II	9
2534.413	Fe II	159
Air		
2534.49	Cr II	244
2534.519	V II	38
2534.640	Ti II	4
2534.74	A II	18
2534.825	V I	87
2534.96	Cr II	9
2535.128	Fe I	60
*2535.15	Zr II	42, 87
2535.364	Fe II	405
2535.47	Cr I	9
2535.480	Fe II	177
2535.60	Cr II	308
2535.604	Fe I	7
2535.65	P I	8
2535.657	Mn II	21
2535.881	Ti II	4
2535.961	Co I	3
2536.02	Cr II	320
2536.35	Cr II	41
2536.673	Fe II	241
2536.79 P	Fe I	58
*2536.822	Fe II	159, 159
2536.93	Cr II	41
2537.142	Fe II	363
2537.19	Cr II	41
2537.454	Fe I	102
2537.537	Fe III	137
2537.619	V II	189
2537.73	Cr III	42
2537.921	Mn II	55
2537.934	Fe III	92
2538.00	Zr I	13
2538.044	Mn II	55
2538.205	Fe II	319
2538.31	Cr II	308
2538.339	Co I	
2538.393	Fe II	178
2538.45	Cr II	308
2538.500	Fe II	160
2538.53	Cr I	28
2538.54	Cr II	255
2538.577	Fe II	268
2538.681	Fe II	363
2538.794	Fe II	158
2538.898	Fe II	158
2538.95	Cr I	9
2539.003	Fe II	158
2539.09	Ni II	48
2539.20	V II	186
2539.355	Fe I	55
2539.37	Zr II	84
2539.52	Cr II	9
2539.575	Fe I	56
2539.62	Zr I	13
2539.642	Mn I	29
2539.797	Fe II	176
2540.019	Ni I	53
2540.02	Ti III	7
2540.053	Fe II	267
2540.22	Cr II	72
2540.48	Cr II	255
2540.531	Fe II	349
2540.611	Nb II	60
2540.650	Co II	27
*2540.669	Fe II	177, 343

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I A	Spectrum	Multiplet No.	I A	Spectrum	Multiplet No.	I A	Spectrum	Multiplet No.
Air			Air			Air		
2540.752	Mn II	32	*2545.87	Cr II	318, 318	2551.58	Cr II	109
2540.87	Zr II	67	2545.903	Ni II	18	2551.724	V II	37
2540.971	Fe I	7	2545.977	Fe I	7	2551.849	Mn II	32
2541.096	Fe II	177	2545.981	V I	15	2551.88	Cr II	109
2541.113	Mn II	22	2546.311	V II	37	2552.38	Sc II	1
2541.359	Cr I	29	2546.45	Cr II	108	2552.604	Fe I	8
2541.40	Ca I	4	2546.667	Fe II	177	2552.648	V I	15
2541.424	Nb II	5	2546.85	Ti IV	4	2552.79	Cr I	27
2541.49	Ca III	10	2546.864	Fe I		2552.827	Fe I	55
2541.68	Cr I	29	2546.94	Cl II	13	2552.937	Fe III	150
2541.75	Ti IV	4	2547.073	V I	14	2552.960	V II	69
2541.83	Si III	8	2547.16	Ni II	57	2553.004	Co I	56
2541.831	Fe II	158	2547.330	Fe II	158	2553.028	V II	69
2541.91	Cr I	29	2547.409	Ni I	52	2553.06	Zr II	57
2541.917	Ti I	8	2547.48	Cu I	44	2553.064	Cr I	24
2541.977	Co II	14	2547.50	Cr II		2553.08	Ge II	17
2542.09	Zr II	7	2547.740	Fe II	176	2553.193	Fe I	
2542.101	Fe I	162	2547.76	Cl II	13	2553.266	Mn II	55
2542.316	Fe II	33	2547.76	Cr II	71	2553.28	P I	8
2542.32	Zn I	8	2547.868	Cr I	25	2553.33	Cr II	313
2542.38	Cr II	90	2547.98	Se I	20	2553.337	Co I	56
2542.46	V II		2548.04	Cr II	108	2553.373	Ni I	4
2542.491	Mn I	29	2548.166	Fe II	176	2553.62	Cr II	108
2542.651	Mn II	47	2548.22	V III	14	2553.668	V II	38
2542.73	Cr II	318	2548.255	Mn II	47	2553.738	Fe II	127
2542.733	Fe II	223	2548.325	Fe II	146	2554.06	V II	
2542.872	Cr I	28	2548.333	Co I	112	2554.103	Nb I	
2542.922	Mn II	21	2548.42	Cr II	308	2554.22	V II	
2542.935	V II	70	2548.58	Cr II	109	2554.23	V III	14
2543.04	Zr II	84	2548.590	Fe II	158	2554.23	Cr II	313
2543.14	Cr II	108	2548.65 P	V II	69	2554.30	Zr I	
2543.382	Fe II	159	2548.685	V II	38	2554.435	Fe I	298
2543.431	Fe II	177	2548.741	Fe II	145	2554.82	Ca I	11
2543.458	Mn II	21	2548.749	Mn II	55	2554.856	V I	15
2543.513	Ni III	22	2548.925	Fe II	319	2554.93	P I	8
2543.66	Zr II	42	2549.082	Fe II	284	2554.950	Fe II	205
2543.723	V I	15	2549.272	V II	38	2555.066	Fe II	177
2543.817	Na I	4	2549.296	Co I	4	2555.07	Cr II	318
2543.875	Na I	4	2549.399	Fe II	177	2555.074	Co I	56
2543.920	Fe I	162	2549.453	Fe II	177	2555.13	Ni II	62
2543.98	Cl II	13	2549.532	Ni I	51	2555.42	Cr I	26
2544.252	Co I	3	2549.548	Cr I	24	2555.447	Fe II	177
2544.26	Cr II	9	2549.56	Ni II	48	2555.47	Cr II	
2544.29	V II	78	2549.612	Fe I	7	2555.50	Cr I	53
2544.37	Cr III	42	2549.653	V II	69	2555.626	Nb II	38
2544.58	Cr II	90	2549.72	Cr II	108	2555.648	Fe I	58
2544.702	Cr I	9	2549.774	Fe II	266	2555.84	Sc II	1
2544.706	Fe I	162	2549.85	Cl II	13	2555.905	V II	69
2544.72	A II	18	2549.965	V I	15	2555.988	Ti II	9
2544.802	Cu II	92	2550.02	K III	8	2556.016	V I	14
2544.802	Nb II	22	2550.023	Fe II	240	2556.207	Fe III	92
2544.84	Cl II	13	2550.155	Fe II	363	2556.288	Ge I	25
2544.972	Fe II	147	*2550.28	Cr II	90, 108	2556.298	Fe I	102
2545.083	Co II	17	2550.364	Cr I	25	2556.38	Zr I	14
2545.160	Mn II	47	2550.50	Zr I	14	2556.572	Mn II	20
2545.17	Cr III	57	2550.54	Cr II	318	2556.762	Co I	55
2545.21	Cr I	27	2550.575	Fe II	158	2556.815	V I	14
2545.215	Fe II	159	2550.680	Fe II	240	2556.862	Fe I	53
2545.24	Sc II	1	2550.71	Zr II	7	2556.893	Mn II	20
2545.432	Fe II	267	2551.04	Ni II	17	2556.933	Nb II	23
2545.460	V II	4	2551.094	Fe I		2556.97	Cr II	232
2545.51	Cr II	308	2551.098	Fe III	130	2557.079	Fe II	158
2545.513	Fe II	178	2551.201	Fe II	328	*2557.144	Cr I	24, 25
2545.645	Cr I	24	2551.36	Cr I	68	2557.18	Ca I	11
2545.750	Fe III	92	2551.382	Nb II	22	2557.268	Fe I	101

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I A	Spectrum	Multiplet No.
Air		
2557.381	Co II	17
2557.45	Cr II	89
2557.500	Fe II	175
2557.540	Mn II	20
2557.56	Cr I	68
2557.596	Mn II	20
2557.88	Ni II	47
2557.958	Zn II	3
2558.06	O III	21
2558.20	Ca I	11
2558.35	Cr II	125
2558.36	Zr II	32
2558.60	Ca I	11
2558.604	Mn II	20
2558.893	V I	15
2558.936	Nb I	11
2559.22	Si III	7
2559.237	Fe II	266
2559.415	Mn II	20
2559.418	Co II	15
2559.677	Mn II	20
*2559.71	Cr II	317
2559.745	Mn II	20
2559.76	Cr II	126
2559.774	Fe II	205
2559.921	Fe II	267
2560.027	Co I	
2560.050	Co II	
2560.112	Nb II	30
*2560.149	V II	68, 122
2560.26	Sc II	1
2560.278	Fe II	221
2560.30	Ni II	62
2560.443	Fe II	158
2560.556	Fe I	56
2560.695	Cr I	24
2560.99	Cr II	233
2561.262	Fe I	58
2561.280	Co I	
2561.33	Cr I	25
2561.38	Cr I	83
2561.424	Ni I	3
2561.584	Fe II	205
*2561.59	Cr II	41, 71
2561.81	Cr II	317
2561.852	Fe I	55
2562.094	Fe II	221
2562.124	Co I	3
2562.125	V I	15
*2562.224	Fe I	55, 55
2562.312	Li I	2
*2562.37	Cr II	41, 317
2562.402	Nb II	22
2562.535	Fe II	64
2562.760	V II	102
2563.167	Cu I	43
2563.23	Sc II	1
2563.35	Cr II	232
2563.42	Ti III	6
2563.472	Fe II	64
2563.56	Zr I	23
2563.58	Cr II	89
2563.640	Mn II	20
2563.67	Si I	44
2563.820	Fe I	55
Air		
2563.834	Fe II	266
2564.050	Co II	15
2564.09	Ca I	11
2564.228	V I	100
2564.26	Zr I	23
2564.3	Y II	14
2564.47	Cr I	68
2564.555	Fe I	58
2564.76	Cr III	
*2564.817	V I	15, 100
2564.82	Si I	44
2564.84	Cl II	8
2565.20	Ca I	11
2565.21	Cr I	53
2565.219	Mn II	20
2565.29	Cl II	8
2565.306	Fe II	419
2565.36	Ni II	64
2565.410	Nb I	13
2565.42	Ti III	6
2565.420	Co II	17
2565.543	V II	103
*2566.00	Cr I	26, 83
2566.033	V II	37
2566.034	Mn II	20
2566.08	Ni II	62
2566.218	Fe II	404
2566.27	Cr II	317
2566.397	Fe II	405
2566.41	Cr I	26
2566.52	Cr II	89
2566.55	Cr I	24
2566.602	V II	193
2566.623	Fe II	174
2566.85	Cr II	305
2566.908	Fe II	64
2567.05	Zr II	32
2567.326	Fe II	419
2567.34	Cr II	107
2567.344	Co I	3
2567.44	Zr I	13
2567.45	V II	
2567.50	Cr II	331
2567.510	Nb I	13
2567.53	Ti III	6
2567.59	Cr II	305
2567.62	Zr II	7
2567.80	Zn I	8
2567.86	Fe I	130
2567.997	Al I	2
2568.065	V II	102
2568.07	Cr II	331
2568.098	Cr I	22
2568.376	V I	
2568.405	Fe II	145
*2568.51	Cr II	317, 331
2568.519	Mn II	67
2568.52	Cr I	25
2568.63	Si I	85
2568.66	Cr I	23
2568.85	Zr II	7
2568.86	Cr II	317
*2568.862§	Fe I	54
*2568.879§	Fe II	175
2569.030	Nb I	31
Air		
2569.40	Cr II	331
2569.469	Sr I	4
2569.595	Fe I	52
*2569.742§	Fe I	55
*2569.775	Fe II	266, 349
2569.871	Zn I	7
2569.888	Cu I	43
2570.17	Cr I	67
2570.527	Fe II	412
2570.66	Zn II	7
2570.70	Cr II	107
2570.800	Cu I	42
2570.843	Fe II	284
2571.036	Ti II	9
2571.059	V II	102
*2571.10 §	Cr I	25
*2571.10 §	Cr II	317
2571.324	Nb II	4
*2571.42	Zr II	7, 7
2571.476	O II	22
2571.542	Fe II	174
*2571.57 §	Fe I	103
2571.74	Cr I	24
2571.746	Cu II	131
2571.78	Cr II	89
2571.894	Mn II	67
2572.07	Cr I	22
2572.096	V II	37
2572.099	Nb I	12
2572.11	Cr II	217
2572.15	Cr I	22
2572.40	Cr II	317
2572.648	Ti II	
2572.752	Fe I	102
2572.755	Mn I	12
2572.965	Fe II	190
2573.206	Fe II	205
2573.32	Cr II	71
2573.54	Cr II	232
2573.72	Ti II	9
2573.754	Fe II	284
2574.020	V I	15
2574.18	Cr II	89
2574.351	Co I	3
2574.363	Fe II	144
2574.520	V II	38
2574.68	Cr I	67
2574.838	Fe III	80
2574.908	Co II	17
2575.113	Al I	2
2575.300	O II	22
2575.411	Al I	2
2575.47	Cr II	218
2575.509	Mn I	12
2575.744	Fe I	
2575.81	Cr II	231
2575.89	Cr I	23
2576.08	Zr I	23
2576.107‡	Mn II	1
2576.43	Ti III	6
2576.45	Cr II	331
2576.478	V II	101
2576.688	Fe I	52
2576.859	Fe II	326
2577.13	Si I	84

I A	Spectrum	Multiplet No.
Air		
2577.13	Cl III	18
2577.292	V I	15
2577.431	Fe II	175
*2577.48	Cr II	107, 125
2577.66	Cr I	24
2577.682	V II	68
*2577.74	Cr II	317, 331
2577.920	Fe II	64
*2577.96 §	Cr III	
*2577.97 §	Cr II	89
2578.26	Cl III	9
*2578.27 §	Cr I	67
2578.286	Mn II	89
*2578.31 §	Cr II	89
2578.39	Zr II	87
2578.451	V II	102
2578.465	Ni I	28
2578.734	Nb I	13
2578.812	Mn II	89
2578.825	Fe I	
2578.91	Ti I	7
2578.985	Fe II	265
2579.12	Cr II	262
2579.127	Fe II	
2579.14	Cr I	22
*2579.266	Fe I	53, 55
2579.29	Cu I	54
*2579.406	Fe II	239, 266
2579.54	Zr I	
2579.670	Mn I	
2579.77	Cr I	23
2579.88	Cr II	218
2579.90	Cr I	22
*2580.04	Cr I	26, 26
2580.062	Fe I	54
2580.372	Co II	14
2580.43	Ti III	6
2580.450	Fe I	54
2580.48	Cr I	26
2580.67	Cl III	18
2580.717	Fe II	327
2580.72	Cr II	
2580.809	Ti I	
2580.88	Cr II	107
*2581.111	Fe II	190
2581.71	Zr II	78
2581.839	V II	101
2582.10	Cr II	231
2582.247	Co II	14
2582.27	Cr II	231
2582.297	Fe I	
*2582.37 §	Fe III	80
2582.422	Fe II	310
2582.440	Zn I	7
2582.582	Fe II	64
2582.901	C I	60
2582.91	Cr II	218
2583.007	V II	68
2583.02	Cr I	67
2583.047	Fe II	174
2583.103	Nb I	31
2583.224	Ti I	7
2583.343	Fe II	266
2583.38	Zr II	22
2583.61	Cr II	89
Air		
2583.64	Zr I	13
2583.739	Fe III	137
2583.982	Nb II	37
2584.01	Ni II	48
2584.038	Fe III	137
2584.10	Cr II	89
2584.100	Mn I	12
2584.302	Mn I	12
2584.536	Fe I	52
2584.67	Cr I	23
2584.83	Cr II	
2584.951	V II	102
2585.335	Co I	113
2585.454	Mn II	89
2585.60	Cr II	
2585.629	Fe II	326
2585.76 P	Fe II	239
2585.876	Fe II	1
2585.892	Mn II	89
2586.26	Ti I	7
2586.557	Fe I	171
2586.85	Zr II	22
2587.225	Co II	14
2587.25	Ni II	17
2587.42	Cr II	
2587.88	Cr I	67
2587.945	Fe II	326
*2588.010 §	Fe I	
2588.128	V II	200
2588.182	Fe II	145
2588.19	Cr I	22
2588.25	Cr II	89
2588.31	Ni II	46
2588.786	Fe II	265
2589.02	Zr II	21
2589.05	Cr II	301
2589.201	Ge I	2
2589.62	Zr I	12
2589.70	Cr II	124
2589.726	Mn II	54
2589.996	Mn II	89
2590.04	Ne III	11
2590.07	Cr I	23
2590.265	Ti I	7
2590.301	Mn II	89
*2590.37 §	Cr I	22
*2590.37 §	Cr II	
2590.526	Cu II	130
2590.548	Fe II	145
2590.594	Co I	110
2590.72	Cr II	70
2590.91	N II	18
2590.940	Nb II	37
2591.252	Fe I	
2591.432	Mn II	36
2591.542	Fe II	64
2591.686	Co I	55
2591.84	Cr I	24
2592.18	Zr I	12
2592.190	Nb I	13
2592.215	V II	37
2592.285	Fe I	
2592.32	Cr II	254
2592.548	Ge I	1
2592.781	Fe II	318
Air		
2592.86	Cr II	106
2592.944	Mn I	12
2593.05 P	V II	216
2593.07	V III	13
2593.41	Cr I	21
2593.49	Cr II	301
2593.510	Fe I	146
2593.60	Ne III	11
2593.647	Ti I	6
2593.65	Zr III	26
2593.722	Fe II	64
2593.731	Mn II	1
2593.828	Na I	3
2593.927	Na I	3
2594.02	Cr I	21
2594.046	Fe I	
2594.150	Fe I	52
2594.161	Co I	3
2594.32	Cr II	297
2594.400	Mn II	54
2594.43	V II	216
2594.63	Ti I	7
2594.734	Mn II	36
2594.736	Nb II	29
*2594.964	Fe II	310
2595.11	V III	13
2595.14	C IV	13
2595.285	Fe II	172
2595.34	Cr II	87
2595.422	Fe I	54
2595.55	Cr II	262
2595.622	Fe III	80
2595.68	Ne III	11
2595.763	Mn I	12
2596.03	Cr II	
2596.17	Cr II	217
2596.596	Ti I	6
2596.87	Cr II	144
2597.138	Nb I	13
*2597.21	V II	200, 200
2597.69	O III	20
2597.943	Fe II	342
2598.028	Fe II	239
2598.06	Cr II	261
2598.369	Fe II	1
2598.65	V II	216
2598.813	Cu II	92
2598.855	Fe I	103
*2598.899	Mn II	36, 54
2599.036	Mn II	54
2599.395	Fe II	1
2599.565	Fe I	52
2599.910	Ti I	6
2600.202	Fe I	
2600.266	Cu II	151
2600.283	Mn II	54
2600.415	Fe II	204
2600.61	Cr I	21
2600.73	Cr II	87
2600.798	V I	73
2600.977	Co I	53
2601.04	Cr II	243
2601.08	V II	216
2601.126	Ni II	62
2601.16	Cl II	12

FINDING LIST—CONTINUED

I A	Spectrum	Multiplet No.
Air		
2601.27	Zr II	49
2601.285	Nb II	39
2601.521	Mn II	54
2601.58	Cr II	88
2601.85	Cr II	124
2601.88	Cr I	21
2602.50	Cr I	22
2602.62	Cr I	102
2602.94	V II	
2603.00	Cr II	
2603.036	Mn II	54
2603.40	V II	216
2603.553	Fe I	
2603.56	Cr I	22
2603.59	Cl III	12
2603.71	P II	4
2603.721	Mn II	36
2603.73	Cr II	105
2604.048	Fe II	404
2604.08	Cr I	102
2604.16	Cr II	105
2604.19	Zr II	22
2604.294	V I	73
2604.44	Si II	15
2604.655	Fe II	265
2604.71	Cr I	22
2604.751	Fe I	
2604.864	Fe I	
2604.88	Ti I	7
2604.99	Zr II	13
2605.034	Fe II	404
2605.084	V I	73
2605.163	Ti I	6
2605.307	Fe II	342
2605.36	Cr I	21
2605.41	O III	20
2605.416	Fe II	204
2605.45	Ni II	62
2605.63	Cr II	280
2605.656	Fe I	51
2605.697	Mn II	1
2605.724	Co II	26
2605.82	Cr I	102
2605.895	Fe II	356
2606.01	P II	4
2606.07	Cr II	105
2606.09	Si II	15
2606.116	Mn II	32
2606.120	Co I	55
2606.40	Ni II	65
2606.514	Fe II	342
*2606.53	Cr II	63, 243
2606.644	Fe I	
2606.826	Fe I	52
2607.06	Cr II	87
2607.086	Fe II	1
2607.47	Ga I	3
2607.529	Fe II	
2607.64	Cr II	105
2607.752	V I	
2607.85	Cr II	242
2607.90	Cr II	70
2608.00	V II	216
2608.06	A IV	5
2608.112	Fe III	91
Air		
2608.17	Cr II	105
2608.37	Zr I	11
2608.385	Cr I	20
2608.558	Zn I	7
2608.576	Fe I	
2608.60	Cr II	143
2608.682	Fe III	136
2608.80	Cr II	87
2608.852	Fe II	171
2609.11	Cr II	261
2609.122	Fe II	310
2609.31	Cu III	23
2609.40	Zr I	12
2609.431	Fe II	265
2609.50	Cl III	12
2609.55	Cr II	105
2609.74	Zr II	69
*2609.80	V II	90, 216
2609.84	Cr I	102
2609.859	Fe II	204
2610.02	C III	12
2610.04	Cr II	324
2610.08	Ni II	62
2610.202	Mn II	19
2610.268	Nb I	10
2610.29	Cr I	20
2610.61	V II	
2610.70	Cr II	316
2610.750	Fe I	6
2610.762	Co I	53
2610.81	Cr II	316
2610.891	V I	73
*2611.04	Cr II	105, 124
2611.075	Fe II	64
2611.23	Sc II	3
2611.24	V II	
2611.255	V I	73
2611.287	Ti I	6
2611.339	Fe II	173
2611.342	Cr I	82
2611.468	Ti I	6
2611.51	V II	216
2611.62	Cr II	105
2611.66	Ni II	56
2611.75	Cr I	102
2611.815	Na II	12
2611.873	Fe II	1
2612.009	Cr I	21
*2612.18	Zr I	11, 32
2612.202	Cr I	21
2612.26	V II	
2612.34	Cr II	316
2612.377	Nb I	10
2612.490	Cr I	20
2612.56	Cr II	105
2612.771	Fe I	6
2612.860	Mn I	28
2613.14	Cr II	
2613.305	Cr I	21
2613.37	Mg I	14
2613.51	Cr II	269
2613.543	Co II	17
2613.576	Fe II	172
*2613.82 §	Cr I	20, 82
*2613.82 §§	Cr II	297
Air		
2613.820	Fe II	1
2614.124	Co I	3
2614.177	Fe II	264
2614.372	Co II	20
2614.395	V II	90
2614.49	C III	12
2614.494	Fe I	52
2614.57	Cr II	
2614.74	Mg I	14
2614.867	Fe II	171
2614.90	Cr II	105
2615.13	Cl II	
2615.20	Ni II	65
2615.40	V II	216
2615.420	Fe I	
2615.59	Zr II	66
2615.729	Fe II	297
2616.18	Cr II	
2616.24	V II	90
2616.260	Co I	112
2616.476	Nb I	11
2616.50	Cr III	65
2616.506	Mn II	19
2616.66	C III	12
2616.66	V II	215
2616.97	Cl III	12
2617.03	Cr II	316
2617.10	V II	216
2617.149	Fe III	142
2617.50	Cr II	280
2617.56	Mg I	14
2617.618	Fe II	1
2617.66	Ca I	3
2618.018	Fe I	52
2618.142	Mn II	19
2618.273	Cr I	20
2618.366	Cu I	18
2618.49	Cr II	87
2618.63	Cr II	316
2618.708	Fe I	6
2618.77	Cr II	
2618.78	Cl III	12
2618.89	Zr II	66
2618.908	V I	57
2618.908	Co II	26
2618.911	Mn I	27
2619.071	Fe II	171
2619.20	Zr II	6
2619.504	Cr I	58
2619.59	Cr II	324
2619.942	Ti I	6
2619.980	Mn I	27
2620.05	Cl III	23
2620.10	Cr II	123
2620.175	Fe II	173
2620.284	V I	73
2620.408	Fe II	1
2620.440	Nb II	29
*2620.48 §	Cr II	316
*2620.480§	Cr I	20
2620.56	Zr III	25
2620.693	Fe II	171
2620.82	Ca III	9
2620.83	Zr I	
2620.841	Cr I	82

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I A	Spectrum	Multiplet No.
Air		
2621.60	Zr II	6
2621.669	Fe II	
2621.80	V II	
2622.03	Cr II	123
*2622.059§	Co I	54
2622.250	Co I	54
2622.430	Co I	54
2622.74	V II	
2622.867	Cr I	21
2622.895	Mn I	27
2623.00	Cr II	324
2623.129	Fe II	318
2623.20	Cr II	324
2623.284	Mn I	24
2623.366	Fe I	6
2623.39	Cr II	124
2623.440	Co I	53
2623.507	Nb I	7
2623.532	Fe I	52
2623.721	Fe II	171
2623.792	V II	89
*2623.82	Cr II	324, 324
2624.043	Mn I	27
2624.71	Cl III	23
2624.76	P II	4
2624.760	Mn II	19
2624.800	Mn I	24
2624.82	Ga I	3
2624.860	V II	216
2625.120	Mn I	26
2625.202	Fe II	410
2625.268	Fe III	91
2625.318	Cr I	20
2625.489	Fe II	318
2625.606	Mn II	19
2625.664	Fe II	1
2625.87	Cr II	143
2626.08	Cr III	
2626.16	P II	4
2626.41	Zr II	6
2626.499	Fe II	173
2626.57	Ni II	62
2626.601	Cr I	21
2626.635	Mn I	26
2626.678	Cu I	42
2626.69	Cr II	316
2626.695	Fe II	203
2626.78	Cr II	280
2626.98	Zr II	49
2627.17	Cr II	324
2627.365	Cu I	42
2627.435	Nb I	11
2627.638	Co I	54
2627.847	Cr I	66
2627.95	Cr II	323
2628.26	Zr III	26
2628.291	Fe II	1
2628.493	Nb I	7
2628.55	P II	4
2628.569	Fe II	203
2628.72	Mg I	13
2628.72	Cr II	324
2628.75	V II	
2628.834	Co II	26
2629.04	Cr II	164
Air		
2629.1	S II	11
2629.42	Cr II	324
*2629.579§	Fe I	6
2629.58	Cr II	198
2629.590	Fe II	171
2629.72	V II	216
2629.815	Cr I	20
2630.004	Cu I	41
2630.068	Fe II	171
2630.10	Mg I	13
2630.260	Mn I	25
2630.266	Ni II	17
2630.33	Zr I	
2630.565	Mn I	24
2630.665	V II	89
2630.721	Mn I	25
2630.91	Zr II	21
2630.93	Cr II	63
*2631.045	Fe II	1, 171
2631.28	Si I	83
2631.321	Fe II	1
2631.52	Ni II	63
2631.55	Ti I	5
2631.553	Al II	11
2631.607	Fe II	171
2631.90	A III	9
2632.011	Mn II	19
2632.06	Cr I	66
2632.10	Cr II	144
2632.238	Fe I	52
2632.259	Co II	20
2632.353	Mn II	19
2632.36	Cr II	324
2632.424	Ti I	5
2632.510	Nb II	29
*2632.54	Cr II	337, 337
2632.593	Fe I	6
2632.66	Ga I	3
2632.67	Cl III	23
2632.77	Cr II	279
2632.86	Ni II	63
2632.94	Mg I	13
2632.987	Cr I	19
2633.18	Cl III	12
2633.200	Fe II	356
2633.588	V I	13
2633.59	Cr II	324
2634.17	Ca III	10
2634.27	Cr II	
2634.32	Y I	8
2634.704	Nb I	10
2634.933	Cu I	40
2635.11	K III	8
2635.127	Fe II	296
2635.40	Zr I	12
*2635.401	Fe II	238, 296
2635.43	V II	216
2635.44	Cr I	81
2635.60	Ti II	29
2635.640	V II	89
2635.75	Cr II	
2635.777	Cr I	81
2635.808	Fe I	52
2636.00	V II	214
2636.094	Cr I	19
Air		
2636.46	Cr II	62
2636.477	Fe I	51
2636.687	Fe II	356
2636.78	P II	4
2636.88	S III	19
2636.89	Cr I	19
2637.168	Cr I	19
2637.20	Cr II	62
*2637.222§	V I	
2637.48	Cr II	198
2637.515	Fe II	410
2637.643	Fe II	221
2637.696	Al II	14
2638.05	Cr II	64
2638.127	Mn II	19
2638.173	Mn II	19
2638.18	P II	4
2638.182	Al II	14
2638.263	Al II	14
2638.53	Cr II	324
2638.547	Al II	14
2638.625	Al II	14
2638.695	Al II	14
2638.70	Ti II	29
2639.07	Zr II	4
2639.32	Cr II	216
2639.560	Fe II	221
2639.850	Mn II	52
2639.91	Cr II	323
2640.00	Cr II	216
2640.056	Cr I	20
2640.13	Zr I	11
2640.221	Cr I	81
2640.34	A IV	5
2640.45	Cr II	323
2640.73	Cr III	65
2640.86	V II	213
2640.918	Nb I	7
2641.116	Ti I	5
2641.124	Fe II	144
*2641.30	Cr II	323, 323
2641.408	Fe III	91
2641.645	Fe I	50
*2641.80	Cr II	164, 242
2642.015	Fe II	309
2642.118	Cr I	66
2642.15	Ti II	29
2642.212	V II	89
2642.233	Nb II	37
2642.289	V I	13
2642.51	Zr II	49
2642.60	Cr II	330
2642.72	V II	199
2642.982	Fe II	426
*2643.02	Cr II	104, 143, 164
2643.14	V I	13
2643.146	Ni I	72
2643.31	Cr II	323
2643.40	Zr II	6
2643.54	Cr II	123
2643.79	Zr III	26
2643.92	Cu III	29
2643.997	Fe I	52
2644.182	Ge I	24
2644.23	Cr I	19

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I A	Spectrum	Multiplet No.
Air		
2644.275	Ti I	5
2644.363	V II	213
2644.772	Co I	111
2644.87	Mg I	12
*2645.084	Fe II	263, 309
2645.191	Fe II	421
2645.256	V I	13
*2645.30	Cr I	19, 81
2645.303	Cu I	42
2645.328	Fe II	426
2645.422	Fe I	6
2645.57	N IV	19
2645.840	V II	89
2645.911	Fe II	410
2646.08	Ti II	29
2646.10	N IV	19
2646.206	Fe II	237
2646.258	Nb II	3
2646.26	Mg I	12
2646.413	Co I	53
2646.60	Cr II	104
2646.650	Ti I	5
2646.692	Fe II	220
2646.751	Fe III	91
2646.89	N IV	19
2647.04	Cr II	323
2647.04	Ni II	63
2647.50	Cr III	
2647.500	Nb I	7
2647.558	Fe I	6
2647.626	Mn II	53
2647.710	V I	13
2647.77	Zr I	11
2648.08	Cr II	142
2648.159	Fe II	355
2648.19	Cl II	
2648.30	Cr II	323
2648.475	V II	192
*2648.635	Co I	53, 53
2648.65	Ti I	4
2648.704	Fe II	409
2648.713	Ni II	17
2648.941	Mn II	53
2648.95	Cr II	166
2649.12	Mg I	12
2649.306	Ti I	
2649.37	V II	213
2649.467	Fe II	427
2649.515	Nb I	10
2649.597	Ti I	
2649.66	Cr II	166
2649.840	Cu I	41
2649.89	Cr II	104
2649.931	Co I	112
2650.266	Co I	53
2650.37	Zr II	6
2650.38	Cr II	64
2650.470	Be I	2
2650.492	Fe II	410
2650.613	Be I	2
2650.636	Be I	2
2650.779	Be I	2
2650.80	Cr II	143
2651.039	Mn II	52
2651.122	Nb II	46
Air		
2651.184‡	Ge I	1
2651.19	Cl III	12
2651.297	Fe II	237
2651.42	Cr II	323
2651.57	V II	213
2651.580	Ge I	1
*2651.691§	Fe II	355
2651.693	Cu I	41
*2651.706§	Fe I	51
2651.826	Fe II	427
2651.896	V I	13
2652.00	Cr II	
2652.484	Al I	1
2652.496	Mn II	53
2652.557	Fe II	237
2652.76	V II	
*2652.78	Cr II	330, 330
2652.919	V I	99
2653.02	Ti I	4
2653.25	Cr II	330
2653.372	Nb I	10
2653.57	Cr II	8
2653.586	Fe II	432
2653.678	Fe II	432
2653.719	Co II	20
2653.824	V I	99
2654.02	Cr II	330
2654.446	Nb I	7
2654.639	Fe II	410
2654.844	Cr I	95
2654.928	Ti I	4
2655.05	Cr I	95
2655.14	Fe I	100
2655.28	Cr III	
2655.396	Fe II	374
2655.46	Ni II	66
2655.68	V II	213
2655.78	Cr II	103
2655.787	Mn I	15
2655.84	Zr I	12
2655.90	Ni II	63
2655.920	Mn II	52
2656.02	Cr I	19
2656.076	Nb II	3
2656.145	Fe I	156
2656.173	Mn II	70
2656.224	V I	13
2656.376	Ti I	
2656.46	Zr III	26
2656.55	V I	
2656.792	Fe I	99
2656.920	Ti I	
2656.984	Nb I	30
2657.181	Fe II	432
2657.186	Ti I	3
2657.26 P	V II	14
2657.295	V II	88
2657.53	Cr II	
2657.613	Nb I	10
2657.708	V I	11
2657.917	Fe II	283
2658.251	Fe II	309
2658.49	V II	213
2658.59	Cr II	8
2658.66	Zr I	22
Air		
2658.74	Cl II	7
2658.91	Cr II	141
*2658.97	V II	88, 88
2659.054	Fe II	237
*2659.47	Cr II	103, 164
2659.60	V II	112
2659.614	Fe III	91
2659.73	Cr II	268
2659.873	Ga I	2
2660.006	Cr I	58
2660.256	Fe II	429
2660.393	Al I	1
2660.396	Fe I	51
2660.66	Ti I	4
2660.755	Mg II	4
2660.77	Cr II	164
2660.821	Mg II	4
2660.996	Na II	11
2661.196	Fe I	50
2661.22	Cr II	329
2661.41	Cr II	62
2661.424	V I	13
2661.47	V II	
2661.59	Cr II	62
2661.65	Cl III	16
2661.73	Cr II	8
2661.789	Fe II	429
2661.966	Ti I	2
2662.056	Fe I	50
2662.15	Cr II	62
2662.541	Mn II	70
2662.563	Fe II	410
2662.57	Zr II	69
2662.72	Cr II	165
2663.02	Cr II	165
2663.25	V II	213
2663.269	Fe II	432
2663.28	Cr II	329
2663.42	Cr II	8
2663.526	V II	207
2663.548	Co II	13
2663.67	Cr II	8
2663.961	Fe II	428
2664.042	Fe I	
2664.209	Fe II	237
2664.259	Fe II	427
2664.26	Zr III	31
2664.44	Cr I	8
2664.665	Fe II	263
2665.05	Ga I	3
2665.178	Mn II	62
2665.19	Zr II	49
2665.247	Nb II	46
2665.25	Ni II	45
2665.277	V II	14
2665.337	Fe II	432
2665.40	S III	19
2665.54	Cl III	16
2665.563	Fe II	428
2665.58	Cr II	329
2665.69	O III	22
2665.958	V I	12
2666.02	Cr II	8
2666.288	Cu II	130
2666.398	Fe I	50

I A	Spectrum	Multiplet No.
Air		
2666.46	Cl II	12
2666.595	Nb II	3
2666.631	Fe II	263
2666.79	V II	213
2666.811	Fe I	48
2666.82	Co II	28
2666.893	Mn II	52
2666.970	Fe I	100
*2667.033	Mn II	52, 70
2667.221	Fe II	410
*2667.36	Cl II	12, 12
2667.532	V II	67
2667.635	Fe II	430
2667.765	Nb II	46
2667.77	Zr II	5
*2667.89	Cr II	164, 329
2667.912	Fe I	6
2668.01	V II	199
2668.23	Mg I	11
2668.283	Nb I	7
2668.36	Ti I	4
2668.595	V II	14
2668.71	Cr II	8
2668.894	V I	11
2668.938	Fe II	429
2669.023	Fe II	429
2669.166	Al II	1
2669.274	Ti I	3
2669.359	Cr I	18
*2669.48	Zr II	41, 48
2669.492	Fe I	156
2669.610	Ti I	2
2669.63	Mg I	11
2669.919	Co II	28
2669.932	Fe II	416
2670.0	S II	11
2670.06	Cr II	63
2670.237	V II	111
2670.24	Cr II	69
2670.33	Ni II	45
2670.384	Fe II	355
2670.530	Zn I	6
2670.918	V I	11
2670.94	Zr II	20
2671.02	Cr II	61
2671.204	Cu I	49
2671.404	Fe II	410
2671.669	V I	12
2671.80	Cr II	8
2671.829	Na II	10
2671.933	Nb II	3
2671.941	Fe II	432
2671.980	Cr I	18
2672.005	V II	3
2672.08	Y I	7
2672.152	Fe II	429
2672.17	Zr I	22
2672.19	Cl II	6
2672.310	Fe II	202
2672.37	Cr II	122
2672.506	Fe II	429
2672.56	Mg I	11
2672.581	Mn II	34
2672.83	Cr II	8
2673.213	Fe I	50
Air		
2673.25	V II	
2673.381	Mn II	52
2673.49	Cr II	278
2673.566	Nb II	64
2673.644	Cr I	18
2673.955	V II	14
2673.97	Cr II	329
2674.07	Cr II	329
2674.26	Cr II	329
2674.4	Li II	4
2674.442	Mn II	63
2674.57	O III	22
2674.71	Fe I	140
2674.987	Mn II	52
2675.24	Ne I	13
2675.64	Ne I	13
2675.67	Cr II	69
2675.74	Cr II	292
*2675.753	V I	12, 72
2675.945	Nb II	3
2675.977	V I	72
2675.980	Co I	53
2676.00	Co II	28
2676.05	V II	213
2676.09	Ti I	4
2676.326	Mn I	15
2676.33	V II	213
2676.428	Cu I	53
2676.53	Cr II	141
2676.54	Zr I	10
2676.636	V I	72
2676.881	Fe II	426
2676.95	Cl II	6
2677.117	V I	10
2677.12	P I	7
2677.13	Cr II	8
2677.19	Cr II	8
2677.804	V II	3
2677.851	Mn II	52
2677.90	Ne III	12
2677.98	Si II	20
2678.026	Ni I	69
2678.15	Cr I	18
2678.38	A III	9
2678.572	V II	3
2678.59	Zr II	4
2678.64	Ne III	12
2678.674	V I	12
2678.79	Cr II	7
2678.810	Fe III	149
2678.878	V I	79
2679.015	Nb I	7
2679.062	Fe I	47
2679.165	Mn II	52
2679.25	Ni II	63
2679.327	V II	3
2679.707	V I	79
2679.751	Co I	110
2679.799	Fe II	429
2679.89	Cr II	267
2679.949	Ti I	2
2680.061	Nb II	28
2680.10	Sr I	3
2680.16	Cr II	142
2680.244	Fe II	408
Air		
2680.32	Cr II	292
2680.33	Cr I	18
2680.335	Na I	2
2680.336	Mn II	63
2680.443	Na I	2
2680.452	Fe I	50
2680.47	S III	19
2680.470	V II	111
2680.723	Fe II	429
2680.784	Fe II	202
2680.85	Cr II	86
2680.91	Fe I	100
*2681.038	Fe II	416, 429
2681.07	Cr II	86
2681.46	Cr I	8
2681.586	Fe I	145
2681.65	Y I	6
2681.723	Mn I	
2681.75	Zr II	3
2682.01	Cr I	18
2682.129	Nb I	9
2682.16	Zr III	25
2682.27	Si II	20
2682.510	Fe II	425
2682.535	V II	14
2682.81 P	V II	207
2682.875	V II	3
2682.95	Cr II	186
2682.989	Fe II	416
2683.014	Mn I	
2683.08 P	V I	72
2683.09	V II	3
2683.45	Cr II	268
2683.65	O III	23
2683.73	Cr II	304
2683.835	Mn II	62
2684.09	Cr II	277
2684.161	Zn I	6
2684.20	Y I	6
2684.354	Fe II	429
2684.405	Ni II	63
2684.50	Co II	28
2684.539	Mn II	63
2684.72	Cr II	85
2684.752	Fe II	283
2684.76	Cl III	25
2684.78	V II	
2684.812	Ti I	
2684.857	Fe I	50
2684.940	Fe II	201
2685.018	V I	12
2685.04	Cr II	122
*2685.138§	V II	110
2685.14	Ti I	2
*2685.14 §	V I	79
*2685.19	Cr II	85, 85
2685.336	Co I	53
2685.40	Cl III	25
2685.40	Cr I	65
2685.405	Fe II	381
*2685.41	V II	14
*2685.515	V I	72, 79
2685.689	V II	3
2685.843	V I	72
2685.882	Mn II	44

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I A	Spectrum	Multiplet No.
Air		
2685.941	Mn I	23
2685.987	Mn II	62
2686.00	Cr II	68
2686.100	Fe II	202
2686.14	O III	22
2686.28	Zr III	26
2686.356	V I	79
2686.388	Fe II	262
2686.388	Nb II	68
2686.40	Cr II	241
2686.49 P	V I	70
2686.512	V I	12
2686.66	Cr II	68
2687.09	Cr II	7
2687.149	Nb I	7
2687.400	Mn I	23
2687.53	O III	23
2687.60	Cr II	84
2687.74	Zr I	11
2687.78	Ca III	8
2687.960	V II	3
2688.02	P I	7
2688.035	Cr I	18
2688.04	Cl II	6
2688.14	Cr II	304
2688.28	Cr II	84
2688.41	Cr II	186
2688.50 P	Cr II	304
2688.71 P	V I	70
2688.717	V II	3
2688.820	Ti I	
2688.942	V I	71
2689.03	Cr II	84
2689.114	V I	70
2689.20	Cr II	85
2689.212	Fe I	48
2689.299	Cu II	130
*2689.47	Zr II	3, 20
2689.680	Ni I	71
2689.787	Mn II	44
2689.79	Cr II	188
2689.82	Cr I	57
2689.827	Fe I	99
2689.883	V II	3
2689.90	K III	8
2690.067	Fe I	4
2690.150	Br II	11
2690.251	Cr I	18
2690.252	V II	3
2690.41	Cr II	186
2690.49	Zr III	25
2690.62	Ni II	65
2690.792	V II	3
*2691.03	Cr II	8, 85
2691.29	Ga I	3
2691.351	Ge I	1
2691.404	Cr I	65
*2691.52	Cl III	20
2691.68	S III	19
2691.712	Cr I	80
2691.732	Fe II	202
2691.774	Nb II	3
*2691.99	Cr II	277, 322
2692.00	Zr II	68
2692.11	Cr II	84
Air		
2692.247	Fe I	98
2692.441	Cr I	18
2692.60	Zr II	48
2692.601	Fe II	283
2692.64	Cr II	322
2692.655	Mn I	23
2692.658	Fe I	50
2692.78	Sc I	2
2692.826	Fe II	62
2692.91	Zr I	10
2693.00	Cr II	140
2693.191	Mn II	34
2693.315	Cr I	57
2693.52	Zr II	4
2693.53	Cr II	84
2693.564	Mn II	44
2693.74	Mg I	10
2693.852	Fe II	261
*2693.87	Cr II	215, 277
2693.918	V I	70
2694.05	Zr II	40
2694.222	Fe I	4
2694.24	Cr I	65
2694.269	Fe II	374
2694.43	Cr II	322
2694.47	V II	49
2694.536	Fe I	144
2694.65	V II	
2694.70	Cr II	163
2694.701	Co II	13
2694.74	V II	2
2694.887	Cr I	80
2695.032	Fe I	47
2695.038	Nb I	7
2695.13	Fe III	159
2695.19	Mg I	10
2695.235	V I	12
2695.34	Fe III	159
2695.363	Mn II	34
2695.40	Y I	7
2695.42	Zr II	19
2695.49	O III	23
2695.542	Fe I	
2695.662	Fe I	145
2695.846	Co I	53
*2696.10	Cr II	61, 215
2696.135	Cr I	80
2696.284	Fe I	143
2696.484	Ni I	49
2696.51	V II	
2696.534	Cr I	8
2696.76	Cr II	84
2696.760	V I	70
2696.89	Fe III	159
2696.996	V I	86
2697.01	Cr I	65
2697.019	Fe I	100
2697.067	Nb II	3
2697.200	Cr I	17
2697.201	V II	207
2697.330	Fe II	341
2697.37 P	Fe III	159
2697.453	Fe II	341
2697.51	Cr II	186
2697.726	Fe II	325
Air		
2697.73	C IV	12
2697.744	V I	86
2697.801	Fe II	431
*2697.90	Cr II	84, 267
2698.11	Cr II	122
2698.16	Mg I	10
2698.162	Fe I	
2698.31	Zr III	30
2698.40	Cr II	7
2698.41	Fe III	159
2698.52	Ti II	
2698.67 P	V I	70
2698.68	Cr II	7
2698.70	C IV	12
2698.724	V I	79
2698.732	Mn II	103
2698.85	Cr II	289
2698.866	Nb II	3
2698.984	Mn II	35
2699.01	Sc III	3
2699.107	Fe I	48
2699.12	V I	79
2699.185	Fe II	416
2699.34	Cr II	141
2699.59	Zr II	5
2699.852	Mn II	103
2700.02	Fe III	159
2700.12	Zr II	5
2700.47	Ga II	9
2700.590	Cr I	17
2700.944	V II	1
2700.963	Cu II	165
2701.035	Mn II	34
2701.10	Cr II	62
2701.13	Fe III	159
2701.168	Mn II	35
*2701.24	Cr II	186, 230
2701.530	Mn II	103
2701.535	V II	2
2701.65	Cr II	62
2701.693	Mn II	18
2701.75	Cr II	277
2701.83	Zr I	30
2701.908	Fe I	161
2701.98 P	Cr I	80
2701.990	Cr I	18
2702.185	V II	2
2702.197	Nb II	3
2702.200	Co II	29
2702.453	Fe I	154
2702.519	Cr I	64
2702.65	Cu I	47
2702.68	Cr I	94
2702.76	S III	19
*2702.96	Cr II	186, 322
2703.15	V II	67
2703.184	Cu II	130
2703.25	Zr II	71
2703.48	Cr I	18
2703.56	Cr II	84
2703.840	Mn I	11
2703.85	Cr II	7
2703.977	Mn II	18
2703.988	Fe II	261
2704.030	Ge II	16

FINDING LIST—CONTINUED

I A	Spectrum	Multiplet No.
Air		
2704.046	Mn II	103
2704.43	Fe III	159
2704.569	Fe II	202
2704.66	Zr II	20
2704.744	Cr I	65
2704.87	Ca III	12
2705.10	Fe III	159
2705.220	V II	2
2705.414	Cr I	64
2705.463	Ni I	48
2705.557	Mn II	34
*2705.724	Cr I	17, 18
2705.727	Mn II	18
2705.85	Y I	5
2706.012	Fe I	154
2706.06	Cr II	322
2706.15	Zr I	9
2706.17	V II	1
2706.17	Fe III	159
2706.38	Zr II	12
2706.521	Ni I	70
2706.531	Cr I	64
*2706.566§	Fe II	341
*2706.581§	Fe I	48
2706.70	V II	2
2706.769	Co II	28
2706.78	Sc I	1
2707.128	Fe II	339
2707.526	Co II	29
2707.542	Mn II	18
2707.589	V I	10
2707.69	Cr I	56
2707.86	V II	2
2707.917	Mn II	103
2707.95	Sc I	2
2708.445	Mn II	18
2708.570	Fe I	161
2708.78	Cr II	186
2708.780	Ni II	63
2709.05	Zr III	26
2709.051	Fe II	218
2709.138	Co II	29
2709.31	Cr II	186
2709.33	Zr I	10
2709.373	Fe II	62
2709.576	Br II	8
2709.631	Ge I	1
2709.70 P	Fe I	180
2709.82	N II	22
2709.937	Fe II	340
2709.969	Mn II	18
2709.989	Fe I	144
2710.17	V II	48
2710.332	Mn II	18
2710.37	Cl III	20
2710.543	Fe I	100
2710.92	Cr II	289
2711.19	Cr II	187
2711.36	Sc I	1
2711.40	Cr I	94
2711.48	Zr II	4
2711.566	Mn II	18
2711.632	Mn II	18
2711.655	Fe I	47
2711.740	V II	2
Air		
2711.842	Fe II	201
2712.21	V II	
2712.217	V I	86
2712.30	Cr II	7
2712.317	Fe II	431
2712.38	Zr II	3
2712.386	Fe II	201
2712.488	Zn I	6
2712.85	Cr II	289
2712.989	Fe II	325
2713.050	V II	2
2713.320	Mn I	11
2713.505	Cu II	130
2713.708	Br II	11
2713.76	Ti II	13
2713.95	N III	21
2714.062	Fe I	161
2714.08	N III	21
2714.205	V II	2
2714.22	Zr II	19
2714.414	Fe II	63
2714.42	V II	
*2714.470	Co II	13
2714.834	Cr I	94
2714.868	Fe I	48
2715.323	Fe I	4
2715.344	Nb II	66
2715.51	Cr I	64
2715.543	Cu I	52
2715.609	Fe II	325
*2715.676	V II	1, 1
2715.76	Zr III	26
2715.882	Nb II	59
2715.97	Cr II	186
2715.98	Cr I	51
2715.987	Co I	131
2716.100	Nb I	5
2716.177	Cr I	17
2716.20	Ti II	13
2716.216	Fe II	261
2716.259	Fe I	155
*2716.41 §	Fe I	154
*2716.429§	Fe II	339
2716.572	Fe II	434
2716.630	Nb II	2
2716.643	Cr I	94
2716.683	Fe II	62
2716.795	Mn II	33
2716.89	Cr II	186
2717.05	Cr II	163
2717.304	Ti II	15
2717.368	Fe I	47
2717.433	V I	9
2717.464	V II	121
2717.48	Zr I	22
*2717.51	Cr II	7, 102
2717.525	Mn II	33
*2717.533	Fe II	32, 417
2717.786	Fe I	49
2717.888	Fe II	431
*2718.07 §	Cr I	17
*2718.08 §	Cr II	187
2718.28	Zr I	22
2718.32	Cr II	102
2718.43	Cr II	121
Air		
2718.435	Fe I	48
2718.639	Fe II	417
2718.775	Cu II	175
2718.88	S III	16
2719.027	Fe I	5
2719.06 P	Fe I	161
2719.097	Cu I	52
2719.296	Fe II	339
2719.31	Cr II	60
2719.39	Ti II	13
2719.418	Fe I	154
2719.52	Zr I	8
2719.581	Co I	108
2719.664	Ga I	2
2719.68	Cr II	102
2719.736	Mn II	33
2720.06	Cr II	102
2720.06	Zr III	25
2720.194	Fe I	129
2720.199	Cu I	49
2720.25	Cr II	102
2720.36	Zr II	31
2720.381	Fe III	113
2720.516	Fe I	4
2720.69	Cr II	140
2720.902	Fe I	5
2721.37	Zr II	41
2721.40	S III	19
2721.645	Ca I	2
2721.675	Cu II	164
2721.813	Fe II	199
2721.987	Nb II	2
2722.032	Fe I	97
2722.060	Fe II	260
2722.085	Cr I	71
*2722.095	Mn II	33, 33
2722.106	Co I	140
2722.258	V II	47
2722.29	Si II	19
2722.560	V I	85
2722.62	Zr II	3
2722.74	Cr II	7
2722.740	Fe II	416
*2722.98	Cr I	51, 51
2723.00	Y I	6
2723.218	V II	1
2723.438	Fe II	431
2723.455	V II	
2723.48	Cr II	102
2723.577	Fe I	5
2723.64	Cr II	59
2723.953	Cu I	49
2723.986	Nb I	5
2724.04	Cr II	102
2724.462	Mn II	33
2724.84	A III	9
2724.879	Fe II	62
*2724.951§	Fe I	48
2725.01	Zr I	27
2725.062	V I	8
2725.084	Ti I	32
2725.45	Zr I	10
2725.606	Fe I	48
2725.79	Ti II	15
2725.805	Fe I	161

I A	Spectrum	Multiplet No.
Air		
2726.054	Fe I	48
2726.13	Mn I	11
*2726.237§	Fe I	161
*2726.254§	Fe II	434
2726.26	Cr II	162
2726.48	Zr II	4
2726.496	Cr I	7
2726.509	Fe II	261
2726.544	V II	47
2726.74	Si II	19
2726.82	S III	20
2726.99	Zr II	73
2727.00	Zr I	9
2727.25	Cr II	102
2727.382	Fe II	200
2727.416	Ti I	32
2727.538	Fe II	63
2727.59	Cr II	162
2727.929	V II	47
2727.989	Co II	30
2728.020	Fe I	47
2728.17	Cr II	162
2728.56	Zr II	3
2728.567	Fe II	
2728.644	V II	1
2728.819	Fe I	154
2728.83	Be II	7
2728.898	Fe II	260
2728.93	Cr II	162
2728.973	Fe I	4
2729.420	Mn I	40
2729.427	Fe II	220
2729.569	Fe II	417
2729.73	Cr II	162
2729.770	Ge II	16
2729.93	Zr II	12
*2730.06	Y I	3, 5
2730.324	Nb II	59
2730.6	Ge II	16
2730.735	Fe II	62
*2730.95	Ti II	23
2730.981	Fe I	48
2731.10	S III	16
2731.112	Co I	140
2731.145	Ti I	31
2731.247	Fe II	431
2731.281	Fe I	161
2731.347	V I	85
2731.518	V I	
2731.592	Ti I	32
2731.841	Fe II	
2731.895	Cr I	7
2732.004	Fe II	236
2732.009	Mg I	9
2732.17	V II	
2732.328	Fe II	
2732.41	Cr II	185
2732.441	Fe II	32
2732.72	Zr II	5
2732.92	V II	1
2732.936	Fe II	417
2732.95	Cr I	51
2733.00	Cr I	51
2733.265	Ti I	32
2733.334	V I	8
Air		
2733.34	O II	20
2733.509	Mg I	9
2733.51	Cr I	56
2733.56 P	Ti I	31
2733.581	Fe I	46
2733.906	V II	1
2734.002	Fe I	48
2734.02	Sc III	3
2734.07	Cr II	60
2734.266	Fe I	125
2734.27	V II	
2734.57	Cr II	253
2734.613	Fe I	47
2734.655	Fe II	381
2734.736	Mn I	39
2734.803	Fe II	416
2734.82	Ca I	1
2734.84	Zr II	4
2734.858	Cu I	39
2734.98	Y II	8
2735.298	Ti I	32
2735.475	Fe I	46
2735.613	Ti I	26
2735.614	Fe I	125
2735.76	Cr II	334
2735.76	Zr III	25
2736.12	V II	218
2736.20	Cr II	184
2736.463	Cr I	7
2736.500	Fe II	220
2736.559	Mg I	9
2736.69	V II	87
2736.71	Ti I	31
2736.73	Cr II	61
*2736.960§	Fe I	49
*2736.968§	Fe II	63
2737.083	Nb II	2
*2737.09	Cr II	120, 253
2737.19	Cr II	61
2737.222	Cr I	57
2737.310	Fe I	5
2737.339	Cu II	130
2737.47	Cr II	120
*2737.630§	Fe II	200
*2737.643§	Fe I	153
2737.66	Cr II	120
2737.833	Fe I	
2737.86	Zr I	
2738.075	V I	85
2738.210	Fe I	48
2738.67	Cr II	162
2738.70 P	Ti II	23
2738.861	Mn I	38
2739.395	Cr I	63
2739.545	Fe II	63
2739.715	V II	1
2739.74	Cr II	185
2739.768	Cu II	174
2739.77	Zr II	70
2739.804	Ti I	32
2740.09	Cr II	6
2740.185	Nb II	36
2740.33	Zr II	12
2740.436	Ge I	23
2740.457	Co I	109
Air		
2740.49	Zr II	19
2740.88	Ti I	31
2740.98	V II	218
2741.01	S III	16
2741.045	Fe II	418
2741.078	Cr I	63
2741.10	Fe I	181
2741.146	Nb I	29
2741.204	Li I	1
2741.325	Fe II	417
2741.395	Fe II	260
2741.54	Zr II	5
2741.563	V II	1
2741.578	Fe I	98
2741.82	Ti I	31
2741.952	Fe III	90
2742.017	Fe I	4
2742.02	Cr II	6
2742.165	Cr I	63
2742.256	Fe I	46
2742.30	Ti I	25
2742.406	Fe I	5
2742.43	V II	1
2742.54	Zr II	4
2742.55	Y I	3
2742.670	V II	13
2742.735	Mn I	
2742.98	Cr I	16
2742.981	Ni II	66
2743.196	Fe II	62
2743.55	K II	6
2743.564	Fe I	47
2743.63	Cr II	6
2743.768	V II	13
2743.94	Cr II	184
2744.068	Fe I	5
2744.268	Mn I	37
2744.526	Fe I	46
2744.54	V II	13
2744.59	Cr II	334
2744.846	Ti I	30
2744.890	Fe II	260
2744.97	Cr II	58
2744.97	Nb II	53
2745.00	As I	16
2745.098	Co I	140
2745.275	Cu II	150
2745.41	Cr II	185
2745.452	Cu I	64
2745.49	Ca I	10
2745.725	Nb II	35
2745.86	Zr II	3
2745.893	V II	66
2746.028	Co I	108
2746.15	Cr II	138
2746.157	Fe II	373
*2746.21	Cr II	58, 253
2746.487	Fe II	62
2746.50	C II	15
2746.70	Ti II	31
2746.713	Cu I	48
2746.743	Ni I	26
2746.910	Nb I	5
*2746.978§	Fe II	63
*2746.982§	Fe I	45

FINDING LIST—CONTINUED

I A	Spectrum	Multiplet No.
Air		
2747.00 P	Fe I	47
2747.31	C II	15
2747.46	O II	20
*2747.462§	V II	135
*2747.534§	V I	8
2747.553	Fe I	125
2747.66	Zr II	74
2747.76	Cr II	185
2747.94	Cr II	
*2748.275	Cr I	15, 15
2748.58	Cr I	63
2748.848	Nb I	5
2748.89	Zr II	77
2748.98	Cr II	6
2749.062	Ti I	30
2749.178	Fe II	63
2749.205	Mn I	37
2749.324	Fe II	62
2749.34	Ca I	10
2749.48	V II	218
2749.482	Fe II	63
2749.82	Cr II	253
2749.97	V II	218
2750.003	Fe II	199
2750.140	Fe I	5
*2750.29	V II	198, 206
2750.40	Y II	13
2750.708	Fe I	125
2750.72	Cr II	6
*2750.872§	Fe I	128
*2750.896§	Fe II	200
2750.95	Zr II	12
2751.04	Cr II	120
2751.121	Fe II	217
2751.123	Mn II	46
2751.22	Cr II	120
2751.29	Cu I	47
2751.58	Cr I	15
2751.70	Ti II	31
2751.79	V II	
2751.810	Cu I	63
2751.85	Cr II	6
2752.070	Co I	138
2752.092	Fe II	418
2752.11	V II	
2752.159	Fe II	373
2752.21	Zr II	3
2752.37	Cr II	253
2752.57	Zr II	68
2752.85	Ti II	33
2752.851	Cr I	15
2753.034	Fe II	417
2753.133	Nb II	63
2753.289	Fe II	235
2753.304	Co II	29
2753.407	V II	150
*2753.66	Cr II	58, 101
2753.687	Fe I	46
2754.030	Fe I	47
2754.10	Cl II	
2754.155	Fe II	
2754.23	Zr II	12
2754.28	Cr II	101
2754.427	Fe I	47
2754.596	Ge I	1
Air		
2754.821	Cr I	79
2754.907	Fe II	373
2755.05	V II	
2755.088	Fe II	373
2755.18	Cr II	185
2755.184	Fe I	153
2755.24	Cr I	16
2755.288	Nb I	28
2755.53	Cr II	101
2755.632	Nb I	6
2755.653	V I	
2755.733	Fe II	62
2755.81	Cr II	101
2756.264	Fe I	4
2756.30	Cr II	101
2756.329	Fe I	5
2756.38	V II	152
2756.452	Zn I	5
2756.504	Fe II	200
2756.58	V II	218
2756.75	Sr I	2
2756.77	Cr I	79
2756.89	S III	16
2756.89	Cr II	101
2756.96	Cr II	100
2757.029	Fe II	199
2757.086	Cr I	15
2757.315	Fe I	46
2757.397	Ti I	30
2757.40	Ca I	10
2757.62	Ti II	33
2757.72	Cr II	6
2757.818	Fe II	
2757.856	Fe I	
2757.92	A IV	6
2758.061	Ti I	35
*2758.236	Cr I	79, 101
2758.35	Ti II	33
*2758.53	V II	13, 65
2758.538	Co I	128
2758.605	Nb I	5
2758.61	Cr II	139
2758.78	Nb II	53
2758.80	Zr II	3
2758.810	V II	134
2758.93 P	Ti II	33
2758.99	Cr II	252
2759.02	Ni II	66
2759.22	V II	46
2759.336	Fe II	32
2759.40	Cr II	101
2759.46	Zr I	10
2759.60	V II	218
2759.67	Cr I	79
2759.73	Cr II	101
2759.814	Fe I	47
2759.84	Cr I	101
2760.04	Cr II	184
2760.10	Y I	4
2760.10	Zr II	70
2760.122	V II	77
2760.20	Cr II	101
2760.36	Cr II	100
2760.53	Cr II	253
2760.67	Ni II	55
Air		
2760.710	V II	149
2760.757	Fe II	433
2760.83	Cr II	
2760.920	Mn I	9
2761.128	Fe II	
2761.16	Cr II	60
2761.291	Ti II	12
2761.366	Co I	52
2761.48 P	Fe I	140
2761.635	Fe II	
2761.735	Cr I	15
*2761.780§	Fe I	46
*2761.813§	Fe II	63
2761.89	Zr II	2
2762.027	Fe I	46
2762.05	Ca I	9
2762.080	Mn II	73
2762.22	Ti II	12
2762.340	Fe II	373
2762.436	Fe II	199
2762.566	Fe II	219
2762.58	Cr II	6
2762.714	V II	46
2762.770	Fe I	125
2762.78	Cr II	100
2762.92	Ti II	33
2763.01	Zr I	9
*2763.09	Cr I	79, 101
2763.09 P	Fe I	45
2763.108	Fe I	47
2763.380	Nb I	8
2763.59	Cr II	101
2763.674	Fe II	440
2763.809	Cu I	52
2763.88	Cl II	
2763.90	Ti II	8
2763.913	Fe II	199
2763.93	Zn II	7
2763.97	Cr II	253
2763.979	Fe II	407
2764.188	Co I	52
2764.28 P	Ti II	33
2764.28	Cr II	100
2764.323	Fe I	128
2764.355	Cr I	15
2764.465	Fe II	424
2764.60	Ca I	9
2764.66	A II	17
*2764.68	Zr I	22
2764.787	Fe II	198
2764.821	Ti II	12
2764.96	Cr II	138
2765.13	Cr II	252
2765.21	Cr I	78
2765.220	Mg I	8
2765.431	Mn II	46
2765.46	Cr II	100
2765.493	Fe II	324
2765.62	Cr II	59
2765.65	Ti II	33
*2765.676	V II	46, 218
2765.70	Fe I	92
2765.86	Cr II	260
2766.03	Fe I	160
2766.13	Ca I	9

I A	Spectrum	Multiplet No.
Air		
2766.200	Fe II	324
2766.215	Co I	131
*2766.371	Cu I	18
2766.382	Co I	52
2766.39	Cr I	93
2766.41	Zr II	4
2766.460	V II	77
2766.55	Cr II	6
*2766.901	Co II	29
2766.909	Fe I	47
2767.10	V II	218
2767.26	Cr II	266
2767.38	Zr I	5
*2767.500§	Fe II	235, 373
*2767.523§	Fe I	46
2767.53	Cr I	79
2767.62	Cr II	253
2768.124	Nb II	1
2768.150	V II	64
2768.16	Cr II	100
2768.20	Ti II	31
2768.30	V I	78
2768.334	Fe II	338
2768.346	Mg I	8
2768.432	Fe I	126
2768.449	Mn II	83
*2768.46	Cr I	78, 101
2768.566	V II	46
2768.59	Cr II	252
2768.73	Zr II	4
2768.78	Ni II	68
2768.84	Zr II	4
2768.848	Fe II	324
2768.855	Mn II	83
2768.878	Cu I	49
2768.93	V I	84
2768.940	Fe II	63
2769.153	Fe II	200
2769.29	Cr II	333
2769.297	Fe I	151
2769.354	Fe II	198
2769.566	Fe II	199
2769.666	Cu II	150
2769.670	Fe I	44
2769.70	Cr II	333
2769.731	V II	134
2769.902	Cr I	15
2769.92	Cr II	333
2770.06	Ne II	10
2770.303	Fe II	337
2770.432	Fe II	
2770.44	Cr I	79
*2770.507	Fe II	198, 199
2770.695	Fe I	123
2770.79	Ca I	9
2770.865	Zn I	5
2770.984	Zn I	5
2770.99	V II	63
2771.184	Fe II	282
2771.27	Cr II	251
2771.398	Nb II	70
2771.41	V II	219
2771.430	Mn I	8
2771.449	Cr I	62
2771.553	Fe II	197
Air		
2771.697	Co I	126
2771.89	Cr II	333
2772.01	V II	218
2772.083	Fe I	45
2772.113	Fe I	5
2772.33	Cr II	183
2772.692	Co I	139
2772.719	Fe II	63
2772.80	Ca I	9
2772.86	Fe I	179
2773.021	Mn I	14
2773.197	Nb I	5
2773.232	Fe I	
2773.30	Cr II	58
2773.306	Fe III	158
2773.659	Mn I	14
2773.66	V I	84
2773.678	Fe II	338
2773.907	Fe I	151
*2774.01	V I	69, 69
2774.03	Zr I	7
2774.13	Cr I	78
2774.15	Fe I	127
2774.15	Zr II	40
2774.28	V II	46
2774.44	Cr II	266
2774.686	Fe II	218
2774.718	V II	133
*2774.730§	Fe I	46
2774.960	Co I	52
2774.976	V II	63
2775.166	Co II	30
2775.25	S III	16
2775.28	Zr III	25
2775.31	Ni II	68
2775.339	Fe II	32
2775.578	Co I	138
2775.652	Mn II	73
2775.668	Cr I	93
2775.770	V II	148
2776.00	Cr II	333
2776.180	Fe II	199
2776.218	Mn I	9
2776.24	V II	144
2776.26	A IV	4
2776.525	Mn II	46
2776.59	Zr II	89
2776.65	Cr II	252
*2776.695	Mg I	6, 7
2776.923	Fe II	373
2777.664	Cr I	56
2777.748	V II	77
2777.840	Fe II	281
2777.89	K II	4
2777.892	Fe II	233
*2778.058	V I	7, 69
2778.06	Cr II	266
2778.075	Fe I	
2778.213	Cr I	93
2778.221	Fe I	44
2778.27	Cr II	118
*2778.277	Mg I	6, 7
*2778.48	Ti II	28, 28
2778.51	Cr II	138
2778.544	Mn I	9
Air		
2778.60	V II	
2778.813	Co I	128
2778.842	Fe I	
2778.868	Fe III	120
2778.94	Cr II	276
2778.993	Mn II	72
2779.134	Cr I	93
2779.302	Fe II	234
2779.33	Cr I	78
*2779.832	Mg I	6, 6
2779.892	Co II	30
2779.906	Fe II	348
2779.993	Mn I	13
2780.035	Fe II	348
2780.06	Ne II	10
2780.09	V II	63
2780.15	Ga II	8
2780.178	Fe II	259
2780.22	As I	16
2780.235	Nb II	16
*2780.30	Cr II	183, 252
2780.55	Ti II	8
2780.695	Cr I	15
2780.700	Fe I	160
2780.89	Cr II	58
2781.07	Cr II	260
2781.15	Cr I	93
*2781.418	Mg I	6, 7
2781.48	V II	219
2781.55	Cr II	333
2781.835	Fe I	46
2781.936	Mn II	104
2782.055	Fe I	126
2782.13	Cr II	276
2782.146	Mn II	72
2782.30	Ti II	28
2782.34	Sc II	4
2782.356	Nb I	28
2782.36	Cr II	183
2782.44	Cr II	99
2782.59	Cr II	257
2782.592	Cu I	52
2782.711	Mn I	7
2782.82	Zn II	7
2782.84	Zr II	38
*2782.95	V II	191, 198
2782.974	Mg I	6
2783.410	Fe II	337
2783.551	Cu I	51
2783.56	Zr II	2
2783.690	Fe II	234
2783.76	V I	92
2783.84	Cr II	252
2783.94	V II	
2783.959	Fe II	295
2784.017	Fe I	160
2784.216	Mn II	83
2784.25	V II	
2784.282	Fe II	295
2784.346	Fe I	152
2784.47	A IV	6
2784.484	Fe II	373
2784.63	Cr I	93
2784.648	Ti II	8
2785.046	Mn II	65

FINDING LIST—CONTINUED

I A	Spectrum	Multiplet No.
Air		
2785.10	Cr II	99
2785.213	Fe II	373
2785.23	Y II	6
2785.235	Mn II	83
2785.32	Cr II	266
2785.49	S III	20
2785.60	Y II	7
2785.66	V I	92
2785.69	Cr II	183
2785.800	Fe II	295
2785.83	V II	223
2785.899	Co I	137
2785.90	Zr II	74
2785.99	Ti II	28
2786.18	Fe I	123
2786.30	Cr II	183
2786.46	Cr II	252
2786.496	Cu I	50
2786.81	Fe I	
2786.90	Zr I	27
2786.95	Zr II	89
*2787.00	V II	217, 219
2787.12	Fe I	151
2787.13	Cr II	307
2787.260	Fe II	380
2787.30	Cr II	196
2787.61	Cr II	58
2787.813	Mn I	9
2787.90	Cr II	259
2787.935	Fe I	93
2787.95	V II	
2788.00	Ti II	28
2788.106	Fe I	44
2788.258	Fe III	120
2788.74	Cr II	119
2788.96	A IV	4
2789.08	Cr II	99
2789.192	Mn I	8
2789.20	Sc II	4
2789.304	Mn II	104
2789.355	Mn I	9
*2789.39	Cr II	276, 327
2789.477	Fe I	125
2789.803	Fe I	170
2789.984	Mn II	72
2790.065	Fe II	436
2790.092	Cr I	92
2790.14	Zr I	29
2790.177	Fe II	411
2790.28	Cr I	61
2790.353	Mn I	8
2790.557	Fe II	282
2790.62	Ti II	28
2790.64	Cr II	327
2790.752	Fe II	32
2790.768	Mg II	3
2790.94	Cr II	327
2791.001	Fe II	232
2791.009	Co I	128
2791.085	Mn I	6
2791.20	Y I	2
2791.37	Cr II	307
2791.45	Cr II	118
2791.50	V II	36
2791.63	Ca III	8
Air		
2791.63	V II	
2791.70	Cr II	258
2791.707	Mn I	9
2791.742	Nb II	35
2791.786	Fe I	151
2792.05	Ne II	10
2792.05	Zr I	4
2792.050	Fe II	233
2792.16	Cr II	183
2792.397	Fe I	95
2792.436	Co I	107
2792.45	V II	217
2792.49	Cr II	251
2792.79	Cr II	196
2793.044	Nb II	16
2793.239	Fe II	337
2793.40	Zr I	
2793.51	Cr II	307
2793.63	Cr II	59
2793.78	Cr I	91
2793.887	Fe II	198
2793.935	Co II	30
2793.935	Ge I	22
2794.157	Fe I	124
2794.29	V II	223
2794.39	Cr II	307
2794.700	Fe I	46
2794.817	Mn I	1
2794.83	V II	
2795.006	Fe I	3
2795.14	Zr I	6
2795.167	Mn II	66
2795.263	Cr I	92
2795.32	Cr II	197
*2795.39	V II	217, 224
2795.523‡	Mg II	1
2795.540	Fe I	44
2795.72	V II	223
2795.760	Fe II	281
2795.818	Cr I	61
2796.117	Mn II	73
2796.228	Co I	52
2796.644	Fe II	373
2796.871	Fe I	96
2796.92	Zr II	30
2796.938	Mn I	9
2797.017	V II	100
2797.037	Fe II	32
*2797.081	Co I	108, 127
2797.094	Mn I	13
2797.215	Fe II	436
2797.39	S III	20
2797.576	Mn II	104
2797.693	Nb II	53
2797.775	Fe I	45
2797.78	Zr II	18
2797.795	V II	100
2797.914	Fe II	234
2797.989	Mg II	3
2797.996	Ni I	73
2798.270	Mn I	1
2798.30	Zr I	5
2798.48	Cr II	307
2798.65	Cr II	
2798.651	Ni I	26
Air		
2798.755	V II	100
2798.77	Cr II	117
2799.149	Fe I	
2799.16	Zr II	38
2799.20	N II	21
2799.292	Fe II	233
2799.451	V II	62
2799.712	Fe II	198
2799.743	Cr I	55
2799.841	Mn I	6
2800.05	V II	220
2800.11	Y II	6
2800.16	Cr II	303
2800.315	Nb I	3
2800.548	Fe II	436
2800.65	Ti II	28
2800.77	Cr II	182
2800.869	Zn I	5
2800.95	V II	224
2801.056	Zn I	5
2801.084	Mn I	1
2801.13	Cr I	90
2801.35	Sc II	4
*2801.553	Cr I	61, 77
2802.168	Mn I	21
2802.270	Ni I	
2802.399	Mn I	22
2802.454	Mn I	8
2802.465	Ti I	24
2802.556	Cu I	47
2802.65	Cr I	77
2802.698	Mg II	1
2802.796	V II	62
2802.805	Mn I	21
2803.140	Ni I	69
2803.169	Fe I	3
2803.22	Cr II	67
2803.35	Cr II	116
*2803.441§	Fe III	120
2803.443	Mn II	51
*2803.450§	Fe II	438
2803.469	V II	62
2803.613	Fe I	151
2803.686	Cu I	48
2803.770	Co I	52
2803.96	Cr II	307
2804.021	Fe II	259
2804.095	Mn I	8
2804.098	Co I	126
2804.363	Mn I	21
2804.443	V II	143
2804.521	Fe I	44
2804.865	Fe I	170
2804.929	Mn I	13
2805.00	Ti II	25
2805.007	Fe II	438
2805.078	Ni I	1
2805.207	Mn II	51
2805.315	Fe II	295
2805.359	Mn II	66
2805.544	V II	120
2805.67	Ni II	54
2805.673	Ge II	15
2805.680	Ti I	29
2805.71	Zr II	77

FINDING LIST—CONTINUED

I A	Spectrum	Multiplet No.
Air		
2805.786	Fe II	259
2805.808	Fe I	92
2806.072	Fe I	139
2806.136	Mn I	21
2806.16	A II	17
2806.407	Ti II	17
2806.50 P	Fe I	176
2806.510	Mn II	104
2806.544	V II	100
2806.68	Zr II	74
2806.77	Zr I	21
2806.794	Mn I	22
2806.984	Fe I	45
*2807.13	Zr II	29, 73
*2807.165	Fe II	281, 295
2807.245	Fe I	2
2807.66	Y I	2
2807.96	Fe I	94
2808.015	Mn I	6
2808.02	Cr II	
2808.023	V II	62
*2808.050	Nb I	4, 33
2808.15	Zr II	2
2808.237	V II	120
2808.328	Fe I	45
2808.35	Ni II	26
2808.385	Mn I	13
2808.701	V II	36
2808.99	K II	7
2809.103	Mn I	6
2809.150	Ti I	29
*2809.184	V II	36
2809.188	Mn II	65
2809.27	Cr II	197
2809.40	Zr II	36
2809.44	A IV	4
2809.513	V II	143
2809.56	Cr II	197
2809.804	Fe II	380
2809.932	Cr I	89
2810.03	Cr II	307
2810.158	V II	120
2810.24 P	V II	155
2810.243	Mn II	71
2810.272	V II	120
2810.276	Ti II	25
2810.503	Cr I	77
2810.78	Cr II	99
2810.810	Nb II	27
*2810.89	Cr II	66, 312
2810.91	Zr II	30
2811.05	Cr II	303
2811.160	Fe I	92
2811.169	Cr I	54
2811.269	Fe II	196
2811.283	Mn II	51
2811.337	Mn I	36
2811.434	Mn II	51
*2811.45	Cr II	66, 98
2811.508	Co I	126
2811.597	V II	143
2811.750	Co III	27
2811.970	Mn II	110
2811.982	V II	143
*2812.00	Cr II	182, 257
Air		
2812.042	Fe I	170
2812.164	V II	143
2812.258	Mn II	71
2812.31	Cr II	312
2812.31	Fe I	96
2812.493	Fe II	215
2812.585	Mn II	71
2812.667	Fe II	280
2812.840	Mn I	8
2812.933	Mn I	36
2812.963	Ti I	29
2813.117	Mn II	71
*2813.241**	Fe III	120
2813.288	Fe I	44
2813.41	Cr I	75
2813.481	Mn I	8
2813.53	Cr II	99
2813.552	Cr I	6
2813.61	Y II	23
2813.613	Fe II	198
2813.64	Y I	2
2813.685	Cr I	76
2813.88	Ca III	11
2813.989	Mn I	7
2814.22	Cr II	83
2814.354	Ni I	79
2814.52	Cr I	100
2814.561	Mn II	110
2814.71	Zr I	20
2814.903	V II	120
2814.91	Zr I	4
2814.976	Co I	1
2815.017	Fe I	138
2815.018	Mn I	36
2815.025	Mn II	66
2815.032	V II	36
2815.317	Cr I	90
2815.49	Zr I	20
2815.506	Fe I	95
2815.547	V II	155
2815.555	Co I	52
2815.609	Mn I	36
2816.189	Al II	7
2816.327	Mn II	51
2816.684	Cr I	75
*2816.83	Cr II	58, 81
2816.95	Cr I	76
2817.00	Cr II	307
2817.03	Y III	3
2817.107	Fe II	380
2817.164	Mn I	36
2817.37	Ti I	29
2817.505	Fe I	44
2817.506	V II	120
*2817.57	Cr II	116, 312
*2817.83 §	Ti I	29
*2817.838§	Ti II	25
2817.96	Cr II	182
2817.969	Mn I	6
2818.08	Cr II	67
2818.36	Cr II	182
2818.47	Cr I	75
2818.52	V II	220
2818.592	Co I	2
2818.624	Fe III	157
Air		
2818.66	Cr II	67
2818.76	Zr II	47
2818.770	Mn I	8
2818.87	Y I	13
2818.919	Mn I	8
2819.215	Nb I	
*2819.286§	Fe I	170
2819.31	Zr II	74
2819.327	Fe II	196
2819.444	V II	120
2819.51 P	Fe I	159
2819.56	Sc II	5
2819.56	Zr I	28
2819.980	Mn II	110
2819.99	Ti II	25
*2820.002	Co I	1, 109
2820.36	Ti II	7
2820.801	Fe I	2
2820.81	Cr I	100
2820.97	Cr I	90
2821.09	Zr II	81
2821.124	V II	86
2821.291	Ni I	25
2821.41	Ti II	24
*2821.452	Mn I	6, 6
2821.51	Ti I	19
2821.52	Se II	20
2821.56	Zr I	4
2821.63	Fe I	134
2821.69	Cr I	77
2821.76	Cr I	75
2822.01	Cr II	182
2822.15	V II	
2822.17	Sc II	5
2822.38	Cr II	82
2822.44	V II	222
2822.51	Cr I	75
2822.544	Mn II	110
2822.549	Mn I	6
2822.56	Y I	13
2822.668	Fe II	231
2823.08	Cr I	89
2823.276	Fe I	44
2823.67	N II	17
2824.224	Cr I	89
2824.370	Cu I	17
2824.401	Fe II	423
2824.444	V II	35
2824.54	Cr II	
2824.56	Zr II	18
2824.589	Fe II	399
2824.70	Fe I	170
2824.87	Cr I	76
2825.02	V II	221
2825.06	Ti I	19
2825.139	Mn II	110
2825.180	Nb I	3
2825.196	Cr I	88
2825.23	Ni II	25
2825.37	Y II	23
2825.50	Cr II	83
2825.54	Zr II	47
2825.557	Fe I	45
2825.687	Fe I	3
2825.747	Fe II	195

FINDING LIST—CONTINUED

I A	Spectrum	Multiplet No.
Air		
2825.86	V II	221
2825.95	Cr II	115
*2825.995§	Fe I	3
*2826.024§	Fe II	255
2826.15	Cr II	182
2826.281	Mn II	110
2826.38	Y II	6
2826.47	Nb I	4
2826.50	Fe I	92
2826.69	Sc II	5
2826.734	Cr I	100
2826.797	Co I	126
2827.22	Ti II	24
2827.431	Fe II	231
*2827.52§	Zr II	30
*2827.55 §	Zr I	7
2827.67	Fe I	169
2827.892	Fe I	3
2827.95	Cr II	
*2828.05	Ti I	19, 19
2828.150	Ti II	25
2828.167	Cr I	54
2828.622	Fe II	231
2828.681	Fe II	255
2828.762	Mn I	7
2828.79	Cr II	117
2828.80 P	Ti II	24
2828.808	Fe I	45
2828.831	Mn II	110
2828.87 P	Ti II	25
2829.012	Ge I	21
2829.073	He I	12
2829.38	Zr II	89
2829.725	Cr I	75
2829.80	Zr I	20
2829.90	Cr I	89
2830.03	Ti I	19
2830.061	Fe II	259
2830.08	Cr II	83
2830.24	Cr II	182
2830.402	V II	155
2830.46	Cr II	82
2830.60	Cr II	81
2830.70	V II	221
*2830.793	Mn I	6, 6
2830.90	Cr I	14
2830.939	Fe II	280
2830.97	V II	222
2831.039	Cr I	88
2831.40	Ti I	19
2831.562	Fe II	217
2831.60	V II	221
2831.845	Ge II	12
2831.883	Fe II	399
2832.158	Ti II	7
2832.26	Ti I	19
2832.270	Fe II	347
2832.436	Fe I	44
2832.45	Cr II	195
2832.794	Cr I	89
2833.00	Kr II	10
2833.100	Fe II	380
2833.37	Cr II	214
2833.401	Fe I	137
2833.90	Zr II	47

I A	Spectrum	Multiplet No.
Air		
2833.922	Co I	2
2834.14	Ti II	24
2834.177	Fe I	93
2834.24	Cr II	195
2834.275	Ge II	15
2834.28	Cr II	326
2834.38	Zr II	39
*2834.414	Fe I	90, 92
2834.428	Co I	52
2834.547	Ni I	2
2834.55	V II	222
2834.57	Y II	17
2834.75	Ti I	19
2834.755	Fe I	159
2835.106	Nb II	15
2835.16	Cr I	88
2835.242	Cr I	55
*2835.35	V II	221, 222
2835.457	Fe I	2
2835.47	V II	160
2835.63	Ti I	19
2835.63 ‡	Cr II	5
2835.660	V I	56
2835.716	Fe II	216
2835.948	Fe I	93
2836.09	Ti I	19
*2836.107§	Fe III	126
2836.18	Zr III	24
2836.185	Fe II	294
2836.245	Nb I	
2836.310	Mn I	6
2836.315	Fe I	175
2836.40	Ti I	19
2836.47	Cr II	214
2836.49	Zr I	25
2836.509	Fe II	294
2836.527	V II	61
*2836.60 §	Ti I	19
*2836.60 §	Ti II	24
2836.710	C II	13
2836.714	V I	6
2837.154	Co I	137
2837.23	Zr I	4
2837.300	Fe II	231
2837.364	Cu II	130
2837.602	C II	13
2837.88	Cr II	81
2837.95	Al I	13
2837.96	Cr II	82
2838.00	Zr II	29
2838.053	V II	35
2838.06	V I	6
2838.120	Fe I	44
2838.235	Fe II	380
2838.491	Cr I	88
2838.531	V II	160
2838.78	Cr II	250
2838.951	Ni I	68
2839.013	Cr I	54
2839.23	Cr II	
2839.34	Zr II	38
2839.43	V I	94
2839.535	Fe II	391
2839.670	Ge II	19
2839.70	Ti II	25

I A	Spectrum	Multiplet No.
Air		
2839.819	Fe II	380
2839.997	Mn I	5
2840.01	Cr II	82
2840.10	V II	36
2840.11	Al I	13
2840.292	Cr I	14
2840.342	Fe II	195
2840.422	Fe I	2
2840.43	Cr II	115
2840.593	V II	36
2840.644	Fe II	217
2840.756	Fe II	280
2840.825	V II	178
2840.891	Cr I	88
2840.92	Cu I	66
2840.929	Nb I	4
2840.932	Fe I	123
2840.98	Y II	12
2841.039	V II	61
2841.141	Nb II	15
2841.354	Fe II	196
2841.721	Na II	7
2841.914	Ti II	7
2842.043	V II	35
2842.076	Fe II	196
2842.32	Cr II	228
2842.35	Si I	82
2842.382	Co I	127
2842.401	Ni II	54
2842.43	Cr II	250
2842.5	Y II	5
2842.642	Nb II	15
2842.677	Fe II	279
2842.699	V II	85
2842.78	Cr II	250
2842.918	Cr I	99
2843.24	Cr II	5
2843.323	Fe II	231
2843.485	Fe II	294
2843.53	Zr II	47
2843.631	Fe I	43
2843.779	Fe III	126
2843.82	V II	221
2843.923	Fe I	2
2843.977	Fe I	44
2844.047	Ni I	67
2844.09	Ti II	24
2844.12	A II	16
2844.160	Cu I	37
*2844.22	V II	205, 221
2844.38	Cr I	88
2844.57	Zr II	47
2844.83	Cr II	181
2844.833	V II	169
2844.842	Cu I	65
2844.973	Fe II	399
2845.241	V II	160
2845.392	Fe II	294
2845.450	Fe II	399
2845.516	Ge II	12
2845.544	Fe I	90
2845.595	Fe I	43
2845.714	Fe I	88
2846.024	Cr I	99
2846.09	Ti II	24

FINDING LIST—CONTINUED

I A	Spectrum	Multiplet No.	I A	Spectrum	Multiplet No.	I A	Spectrum	Multiplet No.
Air			Air			Air		
2846.127	Br II	12	2852.864	Fe II	219	2858.734	Cu I	17
2846.16	Zr II	46	2852.899	V I	91	2858.787	V I	77
2846.280	Nb II	15	2852.952	Fe I	89	2858.896	Fe I	2
2846.32	Cr II	296	2853.031	Na I	1	2858.91	Cr II	5
*2846.44	Cr II	82, 250	2853.119	Fe II	294	2859.001	V I	68
2846.478	Cu I	36	2853.18	Cr II	81	2859.481	Na II	6
2846.600	V I		2853.199	Fe II	197	2859.61	Zr II	74
2846.70	Cr II	116	2853.26	Cr II	296	2859.654	Co I	52
2846.711	Mg I	5	2853.66	Zr II	81	2859.962	Nb I	4
2846.830	Fe I	87	2853.685	Fe I	88	2859.997	V I	6
*2847.208	Fe II	197	2853.76	Cr II	161	2860.44	As I	16
2847.573	V II	159	2853.761	V II	132	2860.629	Mn II	106
2847.73	S II	10	2853.774	Fe I	159	2860.8	Ti II	
2847.791	Fe II	380	2853.82	V I	68	2860.85	Zr I	4
2847.81	A II	16	2853.89	Cr I	14	2860.92	Cr II	5
2848.046	Fe II	196	2853.922	Ti II	7	2861.091	Nb II	15
2848.122	Fe II	399	2853.94	Cr I	54	2861.187	Fe II	61
2848.15	Cr II	81	2853.956	Ge II	19	2861.291	Ti II	16
2848.17	Zr II	37	*2854.057	V I	68, 96	2861.300	Mn II	109
2848.312	Br II	12	2854.14	Cr II		2861.401	V II	84
2848.332	Fe II	391	2854.168	Nb I	3	2861.536	Mn II	108
2848.338	Mg I	5	2854.23	Cr II	161	2861.903	Fe II	280
2848.40	Cr II	250	2854.335	V II	159	2862.0	Ti II	
2848.50	Zr I	6	2854.42	Zr II	52	2862.26	N III	26
2848.713	Fe I	43	2854.45	Y II	6	2862.310	V II	159
2848.807	V I	6	2854.58	Cr II	161	2862.34	Ti II	16
2848.899	Fe II	317	*2855.05	Cr II	161, 161, 214	2862.404	Mn II	106
2849.055	V II	61	2855.22	Cr I	99	2862.418	V I	68
2849.197	V I	6	2855.252	V I	6	2862.496	Fe I	43
2849.30	Cr I	99	2855.298	V II	83	2862.57	Cr II	5
2849.33	Cr II	81	2855.43	Cr II	250	2862.602	Co I	1
2849.557	Nb II	1	2855.49	Ti II	24	2863.076	V I	77
2849.601	Fe II	196	2855.518	V I	77	2863.429	Fe I	87
2849.822	Ni I	77	2855.67	Cr II	5	2863.53	S III	15
2849.83	Cr II	5	2855.676	Fe II	196	2863.706	Ni II	26
2850.047	Co I	106	2856.02	S III	15	2863.864	Fe I	2
2850.288	Fe III	155	2856.05	Zr II	29	2864.134	Fe II	380
2850.29	Cr II	250	2856.144	Fe II	195	2864.16	Ni II	67
2850.477	V II	35	2856.24	Ti II	24	2864.324	Nb I	
2850.641	Fe II	255	2856.32	Cr II	81	2864.367	Fe II	195
2850.685	V II	184	2856.32	Y II	6	2864.386	V I	6
2850.72	Cr II	228	2856.392	Fe II	380	2864.517	V II	158
2850.765	V II	85	2856.42	Cr II	82	2864.968	Fe II	294
2850.947	Co I	2	2856.616	Ti II	20	2865.09	Zr II	11
2851.087	Ti II	16	2856.77	Cr II	11	2865.10	Cr II	5
2851.260	V II	159	2856.928	Fe II	399	2865.182	Mn II	109
2851.28	Zr II	74	*2857.171§	Fe II	294	2865.191	Fe I	
2851.35	Cr II	82	*2857.20 §	Fe I	123	2865.34	Cr II	11
2851.430	Fe II	195	2857.294	Nb I	26	2865.473	Fe II	391
2851.446	Nb I	32	2857.40	Cr II	11	2865.498	Ni I	26
2851.52	Fe I	159	2857.415	Fe II	195	2865.54	Fe III	89
2851.56	Cr I	99	2857.746	Cu II	164	2865.609	Nb II	1
2851.647	Mg I	5	2857.8	Ti II		2865.61	Zr II	10
*2851.738§	Fe II	391	2857.97	Zr I	5	2865.65	Cr II	326
2851.743	Cu I	38	2857.972	V I	77	2865.87	Cr II	265
2851.784	V I	6	2857.99	Cr II	207	2866.447	V I	77
2851.798	Fe I	44	2858.06	Y II	20	2866.57	Ca III	12
*2851.978	Nb I	27, 34	2858.225	Cu I	36	2866.620	V I	98
2851.98	Zr II	47	*2858.340	Fe II	195, 279	2866.624	Fe I	43
2852.120‡	Mg I	1	2858.399	Ti II	6	2866.72	Cr II	5
2852.27	Cr II	250	2858.519	Fe II	354	2866.971	V I	68
2852.540	V II	169	*2858.639§	Fe II	399	2867.002	Br II	10
2852.67	Cr II	250	2858.64	Cr II	11	2867.09	Cr II	11
2852.75	Cr II	180	2858.655	Mn I	5	2867.311	Fe I	93
2852.828	Na I	1	*2858.664§	Fe III	126	2867.560	Fe I	90

FINDING LIST—CONTINUED

I A	Spectrum	Multiplet No.
Air		
2867.65	Cr II	5
2867.880	Fe I	91
*2867.94	Cr II	180, 213
2867.984	Mn II	108
2868.046	Fe II	256
2868.097	Mn II	106
2868.130	V I	98
2868.136	Fe III	155
2868.213	Fe I	142
2868.30 P	Ti II	24
*2868.446§	Fe II	353
*2868.454§§	Fe I	135, 174
2868.47	Cr II	332
2868.48	Zr I	3
2868.524	Nb II	15
*2868.63	Cr II	57, 332
2868.732	Ti II	5
2868.739	Ni I	76
2868.874	Fe II	61
2868.880	Mn I	5
2868.891	Mn II	106
2869.06	Zr III	24
2869.131	V II	159
2869.156	Fe II	257
2869.308	Fe I	2
2869.484	V I	67
2869.61	Cr II	332
2869.694	Fe II	257
2869.72	Cr II	332
2869.80	Zr II	47
2869.833	Fe I	142
2869.95	Ca III	7
2869.957	V II	12
2870.04	Ti II	
*2870.04	V I	67, 67
2870.111	V II	35
2870.175	Cr I	55
2870.43	Cr II	11
2870.575	V I	6
2870.608	Fe II	195
2870.665	Mn II	106
2871.023	Cr I	60
2871.059	Fe II	195
2871.125	Fe II	230
2871.31	Fe I	174
2871.4	Y II	3
2871.45	Cr II	295
2871.463	V II	151
2871.532	Mn II	109
2871.543	V II	131
2871.628	Cr I	12
2871.675	Mn II	106
2871.73	Fe I	149
2872.00	S III	15
2872.08	Se II	19
2872.19 P	Co I	141
2872.333	Fe I	43
2872.382	Fe II	230
2872.497	Co I	107
2872.50 P	Fe I	177
2872.52	Zr II	46
2872.538	Br II	12
2872.583	Mn I	5
2873.125	Mn II	108
2873.180	V II	142
Air		
2873.181	Cr I	60
2873.216	Br II	11
2873.399	Fe II	279
*2873.46	Cr II	5, 295
2873.655	Fe I	158
2873.795	Fe III	155
2873.81	Cr II	11
2874.07	Cr II	229
2874.08	Ti II	14
2874.172	Fe I	2
2874.196	Co I	107
2874.205	V II	35
2874.240	Ga I	1
2874.51	Cr II	
2874.560	Cu I	66
2874.564	Nb I	2
2874.89	Fe I	142
2875.03	Cr II	265
*2875.302§	Fe I	86
2875.342	Fe II	258
2875.372	Br II	11
2875.386	Nb II	15
2875.39	Ti II	
2875.44	Cr I	54
2875.67	Cu I	66
2875.687	V II	12
2875.8	Ti II	
2875.97	Cr II	11
2875.98	Zr I	4
2876.090	Ni I	25
2876.24	Cr II	5
2876.30	O I	10
2876.30	Cr II	288
2876.66	Cr II	263
2876.73	Rb II	4
2876.804	Fe II	257
2876.939	V II	82
2876.951	Nb II	15
2877.026	Nb II	14
2877.300	Fe I	86
2877.418	Ti II	14
2877.56	Zr II	9
2877.689	V II	82
2877.698	Cu II	174
2877.97	Cr II	5
2878.028	V II	142
2878.299	V II	168
2878.45	Cr II	5
2878.558	Co I	127
2878.95	O I	10
2878.998	Ni I	76
2879.013	V II	154
2879.158	V II	12
2879.17	Cr II	56
2879.241	Fe II	278
2879.27	Cr I	12
2879.461	Fe I	136
2879.485	Mn II	61
2879.543	Fe II	230
2879.844	Mn II	69
2879.849	Fe II	293
2879.97 P	V II	82
2880.026	V II	12
2880.136	Fe II	308
2880.28	Ti II	20
Air		
2880.575	Fe I	43
2880.62	Cr I	13
2880.712	Nb II	45
2880.750	Fe II	61
2880.802	V II	142
2880.828	Fe II	258
2880.83	Zr I	26
2880.86	Cr II	11
2881.01	S II	10
2881.14	Cr I	60
2881.140	Na II	8
2881.24	Ni II	25
2881.595	Si I	43
2881.80	Ca III	8
2881.801	Fe II	293
2881.86	Cr II	302
2881.867	Co I	137
2881.91	Cr II	206
*2882.08	Zr II	18, 18
2882.219	Co I	141
2882.493	V II	12
2882.523	Fe II	442
2882.76	Cr I	55
2882.899	Mn I	5
2882.934	Cu I	16
2883.168	Nb II	15
2883.30	Cr I	60
2883.602	Co I	135
2883.709	Fe II	230
2883.748	Fe I	167
2883.78	O I	10
2883.79	Zr II	52
2883.823	Mn II	69
2884.064	V II	197
2884.099	Ti II	14
2884.20	Cu II	164
2884.282	Fe II	442
2884.57	Zr II	88
*2884.776	V II	12, 82
2884.779	Fe II	399
2884.83	Cr I	74
2884.968	Nb I	34
2885.131	Mn II	69
2885.29	Cr II	
2885.929	Fe II	317
2886.234	Fe II	229
2886.316	Fe I	87
2886.38	Cr II	264
2886.444	Co I	1
2886.49	Y I	13
2886.65	Cr I	54
2886.670	Mn II	60
2886.71	Zr II	83
2886.967	V II	154
2886.995	Cr I	12
2887.158	V II	154
2887.312	Fe II	257
2887.36	Fe I	150
2887.456	Ti II	14
2887.77	Cr II	302
2887.806	Fe I	167
2887.882	Mn II	61
2887.961	Fe I	149
2888.04	Zr II	29
2888.089	Fe II	215

FINDING LIST—CONTINUED

I A	Spectrum	Multiplet No.
Air		
2888.244	V II	82
2888.313	Co III	27
2888.33	Cr II	160
2888.38	Cr I	13
2888.62	Ti II	
2888.73	Cr II	238
2888.736	Fe II	317
2888.811	Mn II	107
2888.824	Nb II	14
2888.923	Ti II	5
2888.988	Fe II	229
2889.19	Cr II	11
2889.294	Cr I	12
2889.312	Mn II	107
2889.41	Zr II	9
2889.50	Cr II	207
2889.528	Mn II	60
2889.605	Mn II	60
2889.614	V II	12
2889.82	Cr II	160
2889.89	Fe I	149
2889.898	Nb I	2
2889.991	Fe I	142
2890.144	V II	142
2890.16	Cr I	74
2890.35	Cr I	13
2890.40	Y I	13
2890.553	V II	142
2890.6	Ti II	
2890.738	Cr I	74
2890.84	Cu I	56
2890.868	Fe I	184
2891.050	Ti II	5
2891.06	Cr II	240
2891.20	Cr II	238
2891.333	Mn II	69
*2891.40 §	Cr II	194
2891.410	Fe I	89
*2891.42 §	Cr I	60
2891.61	A II	15
2891.636	V II	12
2891.64	Cu I	58
2891.73	Fe I	183
2891.87	Cr II	291
2892.215	Fe II	308
2892.26	Zr I	4
2892.382P	Mn I	5
2892.385	Mn II	61
2892.434	V II	12
2892.479	Fe I	142
2892.57 P	V II	154
2892.650	V II	12
2892.657	Mn I	5
2892.74	Cr II	
2892.77	Ti I	
2892.822	Fe II	61
2892.95	Cr II	160
2893.254	Cr I	12
2893.314	V II	12
2893.47	V I	66
*2893.50	Cr II	160, 315
2893.763	Fe I	43
2893.882	Fe I	88
2893.946	Na II	16
2894.058	Fe II	293
Air		
2894.168	Cr I	12
2894.24	Cr II	288
2894.40	Cr II	160
2894.505	Fe I	134
2894.583	V I	5
2894.625	Mn I	20
2894.776	Fe II	230
2894.78	Zr II	10
2894.81	Cr II	160
2894.905	Mn II	61
*2895.02	Cr II	160, 275
2895.035	Fe I	87
*2895.071 §	Fe II	257
*2895.076 §	Fe III	125
2895.188	Mn I	20
2895.215	Fe II	294
2895.32	Zr II	74
2895.331	Fe II	435
2895.609	V II	167
2895.66	Cr II	160
2895.675	Cr I	74
2895.88	Se II	18
2896.064	Cr I	74
2896.198	V II	11
2896.31	Cr II	159
*2896.45	Cr II	159, 288
2896.74	Cr II	97
2896.756	Cr I	12
2897.066	Mn II	50
*2897.24	Cr II	287, 290
2897.264	Fe II	254
2897.428	Mn I	20
2897.60 P	Fe I	142
2897.67	Cr II	212
2897.70	Y II	6
2897.73	Cr II	159
2897.744	Fe II	323
2897.797	Mn I	20
2897.803	Nb II	14
2897.82	Cr II	159
2897.899	V II	197
2897.983	Fe II	435
2897.990	Mn I	20
2898.53	Cr II	95
2898.532	Mn II	107
2898.703	Mn II	61
2898.71	As I	16
2898.72	Zr II	11
2898.738	Fe II	352
2898.822	V I	4
2898.93	Y II	3
2899.15	Cr II	240
2899.203	Cr I	12
2899.207	V I	5
2899.230	Nb II	14
2899.284	Fe II	435
*2899.386	Fe III	125
2899.416	Fe I	133
2899.48	Cr II	159
2899.602	V I	5
2899.68	Cr I	87
2899.78	Ca III	7
2899.819	Co I	136
2899.936	V II	119
2900.072	Br II	11
Air		
2900.154	Mn II	69
2900.25	Cr I	13
2900.545	Mn I	20
2901.00	Cr II	97
2901.381	Fe I	89
2901.48	Y I	12
2901.60	Zr II	56
2901.81	Zr II	11
2901.910	Fe I	142
2901.98	Cr I	74
2902.056	Fe II	293
2902.14	Al II	13
*2902.203	Mn I	5, 20
2902.24	Zr II	46
2902.317	Fe II	257
2902.399	Mn I	20
2902.44	Cr I	13
2902.459	Fe II	278
2902.60	Cr II	275
2902.86	Cr II	291
2902.899	Mn II	50
2902.90	Mg I	4
2903.068	V II	11
2903.197	Co I	130
2903.22	Al II	13
2903.548	V II	119
2903.650	Nb I	2
2903.70	Zr II	88
2903.700	V I	4
2903.718	Al II	13
2903.97	Cr II	97
2904.126	V I	5
2904.22	Zr II	1
2904.29	Si II	17
2904.31	S III	15
2904.431	Fe III	125
2904.574	Fe II	435
2904.674	Cr I	87
2904.914	Na II	7
2904.985	V II	119
2905.132	Co I	
2905.185	Fe II	255
2905.22	Zr II	37
2905.477	Cr I	12
2905.57	Cr II	238
2905.57	Fe I	182
2905.609	V II	119
2905.649	Ti I	
2905.70	Si II	17
2905.746	Ni I	74
*2905.770 §	Fe II	435
*2905.80 §§	Fe III	148
2906.120	Fe II	215
2906.134	V I	5
2906.17	Cr II	227
2906.25	Cl II	14
2906.35	Mg I	4
2906.448	V II	11
2906.7	Ti II	
2906.76	Cr II	57
2907.00	Cr II	315
2907.18	Y II	11
2907.214	Mn I	20
2907.37	Zr II	37
2907.457	V II	10

FINDING LIST—CONTINUED

I A	Spectrum	Multiplet No.	I A	Spectrum	Multiplet No.	I A	Spectrum	Multiplet No.
Air			Air			Air		
2907.457	Ni I	2	2915.28	Cr II	239	2923.627	V I	5
2907.497	Fe III	88	2915.33	V I	4	2923.67	Cr II	286
*2907.518	Fe I	121, 167	2915.330	V II	166	2923.704	Cu I	62
2907.701	Fe III	125	2915.447	Mg I	15	2923.715	Mn I	19
2907.704	Cr I	87	2915.454	Mn II	112	2923.80	Cr II	114
2907.853	Fe II	60	2915.46	Cr II	263	2923.851	Fe I	166
2907.993	Mn I	5	2915.875	V II	197	2923.86	Zr I	2
2908.14	Ti II		2915.98	Zr II	9	2923.902	Fe III	102
2908.236	Nb II	14	*2915.980	Fe III	88	2924.017	V II	10
2908.29	Cr II	97	2916.00	V I	83	2924.160	Fe II	351
2908.44	V II	154	2916.07	Cr II	207	2924.33	Ca III	11
2908.651	Fe III	125	2916.09	Ti II		2924.430	Mn I	19
2908.810	V II	12	2916.150	Mn II	112	2924.59 P	Fe I	121
2908.864	Fe I	142	2916.150	Fe II	60	2924.63	Zr II	56
2908.878	Mn I	20	2916.16	Cr I	13	2924.633	V II	10
2908.88	Nb II	61	2916.23	Zr I	3	2924.824	Nb I	2
2909.049	Cr I	12	2916.57	Cr III		2924.86	Cr II	194
2909.05	Y I	1	2916.63	Zr II	9	2924.882	Cu I	61
2909.13	Cr II	315	2916.933	Fe II	229	2924.92	V I	101
2909.313	Fe I	149	2916.94	Cr II	315	2925.22	Cr II	158
2909.912	Ti II	1	2917.050	Nb II	52	2925.288	V II	81
2909.968	Fe II	256	2917.071	Mn II	112	2925.359	Fe I	167
2910.007	V II	11	2917.087	Fe II	336	2925.439	Cu I	59
2910.26	Zr II	52	2917.230	V II	81	2925.58	Mn I	10
*2910.380§	V II	11	2917.365	V II	11	2925.62	Zr II	1
*2910.435§	V I	4	2917.465	Fe II	61	2925.655	Br II	10
2910.580	Nb II	14	2917.516	Na II	5	2925.880	V I	3
*2910.64	Cr II	179, 211	2917.94	V I	83	2925.899	Fe I	89
2910.724	Fe II	435	2918.023	Fe I	182	2925.90	Cr II	158
2910.76	Ti II	27	2918.21	V II	204	2926.057	Cu I	37
2910.761	Fe II	278	2918.24	Cr I	13	2926.15	Cr II	95
2910.892	Cr I	12	2918.24	Zr II	51	2926.258	V I	4
2910.930	Fe I	168	2918.29	Cr II	179	2926.35	V II	204
2911.050	V II	10	2918.354	Fe I	134	2926.442	V II	177
2911.148	Cr I	12	2918.541	Fe II	435	2926.584	Fe II	60
2911.215	Cu I	56	2918.72	Cr I	87	2926.75	Ti II	27
2911.654	V II	119	2918.77	Ti II	30	2926.99	Zr II	61
2911.69	Cr II	212	2918.93	Cr II	315	2927.09	Cr II	256
2911.740	Nb II	14	2919.122	Mn I	19	2927.231	Mn II	50
2911.823	Fe II	441	2919.552	Co I	134	2927.394	Mn II	50
2912.06	Cl II		2919.74	Cr I	87	2927.55	Fe I	
2912.072	Ti I	23	2919.838	Fe I	142	2927.646	V I	101
2912.158	Fe I	1	2919.93	Cr II	274	2927.667	Co I	136
2912.257	Fe I	86	2919.931	V I	3	2927.804	Nb II	15
2912.50	V II		2919.989	V II	11	2928.105	Fe I	121
2912.53	Cr II	97	2920.29	Fe I	136	2928.12	Cr II	55
2913.08	Ti II	1	2920.296	Cu I	60	*2928.32	Cr II	95, 256
2913.168	Ne I	12	*2920.377	V II	10, 11	2928.320	Ti I	34
2913.34	Ti II		2920.691	Fe I	87	2928.625	Mg II	2
2913.50	Cr II		2921.18	V I	101	2928.678	Mn I	17
2913.59	Ni II	26	2921.23	Cr II	286	2928.753	Fe I	131
2913.716	V II	119	2921.35	Cr I	98	2929.00	Y I	11
*2913.716	Cr I	87, 87	2921.81	Cr II	95	2929.008	Fe I	1
2913.716	Mn II	111	2921.874	Br II	9	2929.017	V II	204
2914.006	Ni I	1	2922.023	Fe II	293	2929.10	Zr II	10
*2914.298§	V II	118	2922.383	Fe I	86	2929.118	Fe I	182
2914.305	Fe I	89	2922.46	Cr II	256	2929.18	Cr II	193
2914.38	Cr II	290	2922.582	V I	3	2929.44	Cr II	239
2914.599	Mn I	10	2922.62	Fe I	122	2929.505	Co I	129
2914.608	Co I	141	2922.715	V I	101	2929.618	Fe I	87
*2914.87 §	V II	81	2922.830	Cu I	58	2929.78	Cr II	206
2914.89	Ti II		2922.92	Ti I	22	2930.132	V II	81
2914.924	V I	5	2923.288	Fe I	182	2930.15	Y II	16
2914.952	Mn II	112	2923.340	V II	81	2930.245	Mn I	3
2915.22	Cr II	227	2923.46	Cr II	286	2930.484	Co II	31

I A	Spectrum	Multiplet No.
Air		
2930.59 P	Fe I	141
2930.773	Y II	16
2930.798	V II	10
2930.83	Cr II	55
2930.89	V I	101
2930.908	Ni I	78
2931.07	Cr II	192
2931.08	Zr II	74
2931.27	Ti II	30
2931.420	Fe I	148
2931.458	Nb II	14
2931.479	Fe II	215
2931.593	Fe II	
2931.624	V II	166
2931.699	Cu I	36
2931.81 P	Fe I	166
2931.830	Sr I	1
2931.859	V II	118
2931.89	Zr II	83
2932.323	V II	166
2932.60	A II	16
2932.69	Cr II	95
2932.721	Ne I	14
2933.051	Mn II	5
2933.060	Cu I	35
2933.234	V I	101
2933.292	Co III	27
2933.379	Mn II	111
2933.466	Fe II	307
2933.526	Ti I	1
2933.60	Cr II	311
2933.833	V II	81
2933.95	Cr II	95
2934.020	Mn I	17
2934.13	Cr II	
2934.30	Cr II	211
2934.370	Fe I	117
2934.394	V II	10
2934.420	Mn II	68
2934.488	Fe II	278
2934.62	Zr II	9
2934.72	V I	101
2934.724	Mn II	50
2935.12	Cr II	55
2935.643	Mn I	18
2935.880	V I	3
2936.022	Fe II	323
2936.05	Cr II	96
2936.12 P	Fe I	89
2936.156	Mn I	3
2936.17	Ti II	26
2936.31	Zr II	11
2936.496	Mg II	2
2936.735	Mg I	3
2936.904	Fe I	1
2936.92	Cr II	95
2937.030	V II	118
2937.301	Ti I	1
*2937.696	V I	3, 3
2937.707	Nb II	
2937.74	Zr II	11
2937.806	Fe I	122
2937.916	Mn I	
*2938.03	Cr I	72, 73
2938.067	Nb I	2
Air		
2938.259	V II	81
2938.30	V I	101
2938.45	K III	7
2938.469	Mg I	3
2938.67	V I	2
2938.69	Ti II	26
2938.83	Cr I	50
2938.868	Cu I	46
2939.072	Fe I	118
2939.302	Mn II	5
2939.44	Cr II	325
2939.506	Fe II	60
2939.78	Cr II	237
2939.904	Mn I	17
2940.136	Fe II	441
2940.22	Cr II	294
2940.331	Mn I	10
2940.42	Cr II	96
2940.586	Fe I	173
2940.97	Cr II	206
2941.038	Mn I	17
2941.22 P	V II	204
2941.32	Cr II	95
2941.343	Fe I	1
2941.372	V II	10
2941.4	Ti II	
2941.485	V II	10
2941.536	Nb II	14
2941.55	Zr II	88
2941.681	Mn I	4
2941.77	Fe I	141
2941.874	Cr I	5
2941.96	Cr II	294
2941.990	Mg I	3
*2941.993§	Ti II	26
*2941.995§	Ti I	1
2942.33	V I	3
2942.354	V I	1
2942.37	V II	118
2942.661	K I	6
2942.683	Mn II	82
2942.71	Ni II	25
2942.713	K I	6
2942.740	Mn I	17
2942.752	Mn II	82
2942.90	A II	15
2942.99	Cr II	177
2943.12	Ti II	30
2943.140	Mn II	82
2943.176	Co II	31
2943.197	V I	1
2943.479	Co I	135
2943.631	V II	204
2943.639	Ga I	1
2943.64	Cr II	177
2943.84	V I	76
2943.88 P	V I	101
2943.894	Mn II	82
2943.912	Ni I	24
2944.175	Ga I	1
2944.19	Zr II	45
2944.399	Fe II	78
2944.49 P	V II	118
2944.568	V II	10
2944.76	V I	76
Air		
2945.050	Fe I	
2945.104	He I	11
2945.104	Cr I	85
2945.262	Fe II	60
2945.45	Zr II	45
2945.47	Ti II	26
*2945.74	Cr II	210, 325
2945.890	Nb II	51
2945.92	Y III	3
2946.110	Nb II	14
2946.173	Fe II	307
2946.30	Zr II	83
2946.54	V I	1
2946.81	Cr II	192
2946.890	Nb II	13
2947.297	Ne I	11
2947.363	Fe I	131
2947.45	Ni II	35
2947.50	Cr II	325
2947.634	Mn I	4
2947.658	Fe II	78
2947.72	Ti I	21
2947.877	Fe I	1
2948.076	V II	196
2948.20	Cr II	210
2948.255	Ti I	1
2948.388	Fe III	87
2948.39	Y I	1
2948.433	Fe I	166
2948.47	Cr II	113
2948.733	Fe I	118
2948.87	Cr I	50
2948.94	Zr II	51
2948.98	Y II	22
2949.07	Cr II	210
2949.172	V II	183
2949.178	Fe II	277
2949.201	Mn II	5
2949.218	Ni I	
2949.44	Cr II	178
2949.62	V I	3
*2949.79	Cr II	157, 210
2949.91	V I	101
*2950.10	Cr II	65, 178
2950.23	S III	18
2950.240	Fe I	120
2950.33	Y II	4
2950.344	V II	10
2950.69	Cr II	65
2950.876	Nb II	14
2950.979	Mn I	4
2951.095	Fe II	214
2951.170	Mn II	82
2951.231	Na II	14
*2951.39	Cr II	157, 177
2951.46	Zr II	9
2951.871	Mn II	68
2951.94	Cr II	177
2952.07	V II	10
2952.10	Ti II	26
2952.23	Zr II	1
2952.28	Se II	19
2952.45	Cr II	311
2952.873	Mn II	49
2953.008	Mn I	4

I A	Spectrum	Multiplet No.
Air		
2953.28	Y II	19
2953.34	Cr II	55
2953.486	Fe I	166
2953.70	Cr II	192
2953.774	Fe II	60
2953.84 P	V I	3
2953.940	Fe I	1
2954.050	Fe II	253
2954.33	V I	1
2954.65	Cr II	237
2954.651	Fe I	132
2954.748	Co II	
2954.76	Ti II	34
2955.060	Fe III	87
2955.12	Cr II	177
2955.126	Mn II	49
2955.382	Co I	
2955.584	V II	196
2955.68	Cr II	176
2955.73	Ne II	8
2955.77	Zr II	61
2955.806	V I	3
2956.006	Mn II	49
2956.04	Y II	18
2956.101	Mn I	3
2956.13	Cr I	86
2956.133	Ti I	1
2956.166	Mn II	49
2956.328	Cr I	5
2956.60	Cr II	176
2956.645	V II	196
2956.71	Fe I	118
2956.796	Ti I	1
2956.86	Fe I	165
2956.971	Mn I	4
2956.978	Mn II	49
2957.176	V I	76
*2957.26	Cr II	113, 158
2957.28	Cr I	50
2957.30	V I	1
2957.365	Fe I	1
2957.39	Y II	16
2957.491	Fe I	132
2957.520	V II	10
2957.55	Cr II	237
2957.672	Co I	134
2958.17	Cr II	158
2958.283	Ni I	74
2958.286	Fe III	102
2958.30 P	Ti II	26
2958.51	Cr II	226
2958.528	Fe II	398
2958.61	V II	196
*2958.939	Mn II	49, 49
2958.98 P	Ti II	34
2959.07	Cr I	85
2959.54	Cr II	210
2959.55	V II	153
2959.601	Fe II	254
2959.682	Fe I	172
2959.71	Ti I	28
*2959.841	Fe II	403, 439
2959.95	Cr II	177
2959.98	Ti I	28
2960.299	Fe I	134
Air		
2960.666	Fe I	178
2960.777	V II	130
2960.86	Zr I	1
2961.119	Fe II	403
2961.127	V I	76
2961.165	Cu I	15
2961.272	Fe II	60
2961.48	Ti I	28
2961.688	Mn II	49
2961.70	Cr II	55
2961.70	Fe I	119
2961.72	Cr II	177
2961.77	Cr I	85
2962.014	V II	196
2962.40	Cr I	86
2962.69	Zr II	9
2962.784	V I	1
2962.936	Fe II	398
2963.203	K I	5
2963.230	Fe III	87
2963.250	Mn I	4
2963.277	K I	5
2963.46	Cr II	176
2963.606	Mn I	3
2963.71	Fe I	173
2963.74	Cr I	50
2963.818	V I	75
2963.897	Fe II	439
2963.91	Se II	20
2964.131	Fe II	252
2964.55	Zr II	1
2964.629	Fe II	78
2964.80	S III	18
2964.846	C I	1
2964.96	Y I	1
*2965.036	Fe II	78
2965.18	Cr II	176
2965.19	Mg II	7
2965.231	Ti I	27
2965.255	Fe I	1
2965.395	Fe II	251
2965.48	Nb I	25
2965.56	Cl III	11
2965.681	Ti I	27
2965.72	Ti I	27
2965.811	Fe I	147
2966.03	Cr II	94
2966.26	Fe I	118
2966.38	Ti I	28
2966.85	Cr I	5
2966.901	Fe I	1
2967.220	Ti I	1
2967.224	C I	1
2967.545	V II	60
2967.64	Cr I	11
2967.87	Mg II	7
2968.119	Fe II	398
2968.20	Cr I	50
2968.20	Cr II	225
2968.29	V I	76
2968.481	Fe I	135
2968.68	Cr II	176
2968.738	Fe II	253
2968.906	Fe II	
2968.95	Zr II	10
Air		
2968.981	V I	75
2969.02	Mg II	6
2969.18	Zr I	1
2969.190	Ni I	74
2969.37	Ti I	28
2969.53	Cr I	86
2969.63	Zr II	9
2969.67	Cr II	192
2969.846	V II	153
2969.934	Fe II	277
*2970.106	Fe I	1
2970.35	Si I	42
2970.510	Fe II	60
2970.552	Ti I	27
2970.65	Cr II	175
2970.67	Cl III	11
2970.682	Fe II	276
2971.102	Cr I	11
2971.350	Co III	37
2971.571	V II	141
2971.616	Fe II	252
2971.70	Mg II	6
2971.90	Cr II	80
2971.998	V II	141
2972.016	Fe II	398
2972.277	Fe I	118
2972.568	Nb II	50
2972.57	Cr II	237
2972.60	N III	25
2972.67	Cr II	80
2972.769	Fe II	390
2973.10	Cr II	113
2973.134	Fe I	1
2973.237	Fe I	1
2973.26	Cr I	59
2973.69	Zr II	45
2973.730	Ni I	66
2973.896	Fe III	87
2974.02	Y II	3
2974.089	Mn I	41
2974.094	Nb II	44
2974.217	V I	75
2974.675	Cu I	46
2974.714	Ne I	10
2974.926	Ti I	27
2974.991	Na II	9
2975.077	V I	82
2975.478	Cr I	11
2975.80	Cr II	321
2975.938	Fe II	60
2976.126	Fe I	131
2976.32	Ti I	20
2976.402	Mn II	81
2976.479	Mn II	81
*2976.527	V I	75
2976.555	Rb I	16
2976.61	Zr II	51
2976.70	Cr II	55
2976.72 P	V II	153
2976.864	Mn II	81
2976.922	Fe I	172
2977.156	Rb I	15
2977.222	Fe III	87
2977.550	V I	1
2977.572	Fe III	102

I A	Spectrum	Multiplet No.
Air		
2977.65	Cr II	112
2977.67	Nb II	51
2977.80	Ti II	
2977.819	Rb I	14
2977.822	Mn II	81
2978.028	Co III	37
2978.07	Zr II	10
2978.114	Mn I	41
2978.295	Cu I	58
2978.554	Rb I	13
2978.566	Mn I	3
2978.850	Fe II	276
2978.936	V I	65
2978.943	Nb II	67
2978.988	Mn II	81
2979.05	A II	15
*2979.096	Fe II	306, 403
2979.18	Zr II	10
2979.20	Ti II	32
2979.349	Fe II	60
2979.362	Rb I	12
2979.380	Cu I	57
2979.73	Cr II	80
2979.875	Nb II	69
2979.994	Mn I	41
2980.269	Rb I	11
2980.28	Ti I	27
2980.69	Y II	16
2980.717	Nb II	56
2980.784	Cr I	11
2980.963	Fe II	253
2981.278	Rb I	10
2981.42	Cr I	59
2981.537	V I	65
2981.636	Nb I	2
2981.645	Ni I	24
2981.812	Br II	9
2981.852	Fe I	118
2981.924	V II	153
2982.059	Fe II	335
2982.100	Nb II	13
2982.20	C III	13
2982.20	Y II	10
*2982.234§	Fe I	178
*2982.239§	Fe II	277
2982.406	Rb I	9
2982.663	Ne I	9
*2983.009	V II	60
2983.038	Cu I	58
2983.426	Ni I	66
2983.58	N III	25
2983.679	Rb I	8
2983.78	O III	18
2984.014	Cr I	59
*2984.183	Na II	5, 15
2984.273	Fe II	322
2984.69	Cr II	55
2984.76	Ti III	8
2984.82	Cr I	3
2984.831	Fe II	78
2985.01	Cr II	174
2985.04	Nb II	58
2985.117	Rb I	7
2985.140	Rb I	7
2985.32	Cr II	80
Air		
2985.36	Zr I	1
2985.545	Fe II	78
2985.849	Cr I	11
2985.926	Cu I	45
2985.98	S III	18
2985.992	Mn I	3
2986.01	Cr I	11
2986.09	Be I	4
2986.13	Cr I	11
2986.20	K III	7
2986.466	Cr I	11
2986.617	Fe II	254
2986.754	Rb I	6
2986.782	Rb I	6
2986.87	Cr II	300
2986.91 P	Fe II	291
2987.286	Nb I	25
2987.52	Cr II	225
2987.542	Fe II	437
2987.65	Si I	42
2988.04	Cr II	80
2988.61	Ca III	7
2988.634	Rb I	5
2988.638	Cr I	4
2988.665	Rb I	5
2989.079	Fe II	390
2989.18	Cr II	80
2989.30	Ca III	11
2989.367	Fe II	291
2989.39 P	Fe I	85
2989.731	Fe II	291
2990.03	Ti I	33
2990.17	Ti II	32
2990.28	Nb II	51
2990.48	Ti I	33
2990.800	Rb I	4
2990.835	Rb I	4
2990.93	V I	74
2990.98	Ti I	33
2990.99	As I	15
*2991.106	Ni I	1, 75
2991.244	Fe II	252
2991.403	Cr I	97
2991.780	Cu I	55
2991.79	Ti I	20
2991.817	Fe II	398
2991.82	Cl III	11
2991.877	Cr I	11
2991.915	Co III	37
2991.956	Nb II	52
2992.108	K I	4
2992.215	K I	4
2992.24	K III	7
2992.378	V II	153
2992.42	Cr II	80
2992.420	Ne I	8
2992.438	Ne I	8
2992.59	Cr II	300
2992.96	Cr II	321
2993.313	Rb I	3
2993.352	Rb I	3
2993.366	Fe II	335
2993.54	Cr II	321
2993.97	Nb II	51
2994.06	Cr I	4
Air		
2994.725	Nb II	14
2994.74	Cr II	80
2995.094	Cr I	3
2995.150	Co I	129
2995.26	Y I	1
2995.42	Cr I	97
2995.617	V I	64
2995.838	Fe I	178
2996.256	Rb I	2
2996.299	Rb I	2
2996.386	Fe I	134
2996.470	Mn I	3
2996.48	V I	82
2996.571	Cr I	11
2997.298	Fe II	335
2997.364	Cu I	17
2997.749	Fe II	292
2997.826	Mn I	42
2998.118	Cr I	97
2998.384	Cu I	14
2998.62	V I	64
2998.662	Fe II	422
2998.783	Cr I	4
2998.855	Fe II	252
2999.00	Cr II	321
2999.20	V I	74
2999.30	Cr II	94
2999.725	Rb I	1
2999.776	Rb I	1
2999.96	Cr II	137
3000.059	Fe II	276
3000.65	Cr II	321
3000.87 P	Fe III	88
3000.88	Cr I	11
3001.125	Nb II	69
3001.55	Cr I	97
3001.589	Fe III	87
3001.65	Ne II	8
3001.85	Nb II	
3002.378	Mn I	42
3002.484	Ni I	24
3002.616	Mn I	3
3002.65	V I	64
*3002.650	Fe II	78
3002.99	Fe III	87
3003.622	Ni I	24
3003.92	Cr II	94
3004.249	Fe II	276
3004.33	V I	64
3004.77	Cr II	321
3004.82	V I	64
3005.06	Cr I	11
3006.0	Y II	16
3007.102	Mn I	42
3007.802	Fe III	88
*3007.98	Cr II	321
3008.30	Cr II	174
3008.506	Fe III	87
3008.822	Mn I	3
3010.838	Cu I	14
*3010.92	Cr II	321, 321
3010.921	Co III	37
3011.42	Cr II	55
3011.73	Zr I	1
3012.33	Cr II	137

FINDING LIST—CONTINUED

I A	Spectrum	Multiplet No.	I A	Spectrum	Multiplet No.	I A	Spectrum	Multiplet No.
Air			Air			Air		
3012.59 P	Fe II	276	3038.66	Se II	18	3078.436	Fe I	131
3012.85 P	Fe III	88	3039.818	Nb II	51	3080.754	Ni I	24
3012.854	Mn I	3	3041.31	Se II	20	3087.07	Ni II	35
3013.125	Fe III	87	3044.028	Cu I	45	3093.989	Cu I	14
3014.848	Cu I	45	3046.24	Se II	18	3097.115	Nb II	50
3015.230	Fe III	87	3048.093	Nb I	25	3099.180	Nb II	13
3016.17	V I	74	3048.21	Nb II	51	3101.791	K I	2
*3017.78	Cr II	321	3049.528	Nb II	50	3102.051	K I	2
3017.947	Ni I	74	3050.463	Fe III	88	3108.54	Se II	19
3018.744	Fe III	88	3052.07	K III	7	3119.60	As I	15
3018.853	Nb II	67	3052.554	Cu I	45	3129.65	Nb II	50
3021.407	Fe II	251	3053.065	Fe I	131	3143.490	Br II	10
3021.544	Cu I	45	3053.086	Nb I	25	3156.629	Cu I	14
3022.738	Nb II	67	3053.38	Cu I	45	3175.76	Nb II	50
3023.85	Fe III	88	3054.134	Fe III	88	3194.099	Cu I	14
3024.735	Nb II	50	3055.44	Cr II	94	3194.27	Nb II	50
3025.372	Nb II	69	3055.55	Fe III	88	3204.58	Se II	18
3027.46	Fe III	88	3056.84	K III	7	3208.231	Cu I	14
3028.436	Nb II	13	3057.638	Ni I	24	3208.331	Br II	9
*3029.293	Ni I	74	3063.411	Cu I	16	3217.151	K I	1
3029.52	Zr I	1	3063.933	Fe I	132	3217.615	K I	1
3032.767	Nb II	44	3064.530	Nb II	44	3232.726	Co III	44
3032.85	As I	15	3064.619	Ni I	24	3259.676	Co III	44
3033.101	Fe I	131	3065.26	Nb II	51	3279.815	Cu I	15
3033.52	A II	15	3068.906	Cu I	16	3287.630	Co III	44
3034.54	Cr II	94	3071.55	Nb II	50	3305.370	Co III	44
3034.751	K I	3	3073.232	Nb II	13	3346.992	Br II	9
3034.911	K I	3	3073.798	Cu I	15	3639.40	Se II	18
3034.99	Cr II	137	3075.32	As I	15			
3036.101	Cu I	17	3076.864	Nb II	13			

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Atomic Energy Levels, C. E. Moore:

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Circular 488, Section 5. {Mo to La (Z=42 to 57) / Hf to Ra (Z=72 to 88)} Finding List for Section 3 of the Table. 30 p. (1961).	$0. 30

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Monograph 3, Volume I. 2000 A to 7000 A. 508 p. (1960)	$6. 00
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The above publications may be purchased from the Superintendent of Documents, U.S. Government Printing Office, Washington 25, D.C.

A Multiplet Table of Astrophysical Interest, C. E. Moore. A Reprinting of the 1945 Multiplet Table (Princeton Univ., Obs. Contr. No. 20):

Technical Note 36 (PB151395), Part I Table of Multiplets, and Part II Finding List, $\lambda\lambda$2951Å–13164Å. 242 p. (1959).	$4. 00

The above Technical Note may be purchased by the PB number from the Department of Commerce, Office of Technical Services, Washington 25, D.C.