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Table 6. Abundances in υ Her, ϕ Her, and HR 7018

				υ Her		ϕ Her		HR 7018	
Mult.	λ(Å)	log gf	Ref.	W_λ(mÅ)	log N/N_T	W_λ(mÅ)	log N/N_T	W_λ(mÅ)	log N/N_T
C II				log C/N_T = -4.00±0.11			-3.79±0.24		-3.34±0.35
4	3918.97	-0.53	WF	11	-4.02	15	-3.56	10	-3.45
	3920.68	-0.23	WF	21	-3.82	...	...	27	-2.88
6	4267.00	+0.56	WF	16	-4.04	16	-3.78	...	...
	4267.26	+0.72	WF	18	-4.11	14	-4.04	...	...
	4267.12	+0.96	WF	...	...	...	...	16	-3.71
O I				log O/N_T = -3.59±0.09			-3.20±0.42		-3.44±0.22
3	3947.00	-1.77	WF	8	-3.68	13	-3.49	15	-3.59
5	4368.19	-1.71	WF	9	-3.50	29	-2.91	20	-3.29
Mg I				log Mg/N_T = -5.58±0.20			-4.60±0.41		-4.46±0.13
3	3829.35	-0.19	WS	6	-5.28	19	-5.07	...	...
	3832.29	+0.27	WS	5	-5.82	...	...	...	...
	3838.29	+0.49	WS	12	-5.64	...	...	...	...
11	4702.99	-0.38	FW	...	...	13	-4.31	20	-4.59
15	4167.27	-0.79	JK	...	...	4	-4.42	15	-4.33
Mg II				log Mg/N_T = -5.08±0.03			-4.81±0.03		-4.50±0.28
4	4481.32	+0.97	FW	...	...	...	...	345	-3.94
5	3848.21	-1.59	WS	9	-5.08	18	-4.76	36	-4.38
	3850.39	-1.88	WM	6	-5.05	9	-4.85	15	-4.62
9	4427.99	-1.21	WS	6	-5.12	11	-4.83	12	-4.81
10	4384.64	-0.79	WS	15	-5.11	26	-4.81	37	-4.61
	4390.58	-0.53	WS	27	-5.04	39	-4.81	51	-4.64
Al II				log Al/N_T = ...			-6.33		...
2	4663.10	-0.28	FW	...	...	9	-6.33	...	...
Si II				log Si/N_T = -5.13±0.28			-4.98±0.22		-4.51±0.18
1	3853.66	-1.44	LA	47	-5.19	49	-5.05	66	-4.64
	3856.02	-0.49	LA	80	-5.42	94	-5.12	134	-4.58
	3862.59	-0.74	LA	71	-5.36	78	-5.15	108	-4.64
3	4128.07	+0.38	LA	110	-4.63	108	-4.60	146	-4.15
	4130.89	+0.53	LA	89	-5.05	90	-4.97	121	-4.51
Si III				log Si/N_T = -4.69			...		...
2	4552.62	+0.29	WS	4	-4.69	...	...	...	...
P II				log P/N_T = -6.06±0.02			...		...
15	4602.07	+0.74	WS	7	-6.05	...	...	...	...
S	4178.46	-0.41	KX	11	-6.03	...	...	...	...
	4420.71	-0.34	WS	3	-6.07	...	...	...	...
S II				log S/N_T = -5.20±0.13			-4.83±0.19		-4.44±0.25
1	5027.22	-0.72	WS	2	-5.27	5	-4.57	...	...
7	4925.34	-0.47	WS	5	-4.87	5	-4.66	...	...
	4991.96	-0.25	WM	4	-5.21	6	-4.71	...	...
	5009.56	-0.09	WM	4	-5.39	6	-4.94	...	...
	5032.48	+0.18	WS	8	-5.20	7	-5.03	...	...
9	4716.27	-0.52	WS	...	...	3	-4.90	...	...
15	4917.21	-0.40	WS	...	...	4	-4.72	...	...
	5014.04	+0.03	WM	...	...	7	-4.69	...	...
	5047.28	-0.62	WS	...	...	2	-4.73	...	...
40	4524.95	+0.08	WS	4	-5.11	3	-5.05	...	...
44	4142.25	+0.24	WM	3	-5.28	5	-4.88	7	-4.30
	4145.06	+0.44	WS	4	-5.25	7	-4.90	8	-4.47
	4153.10	+0.62	WS	8	-5.16	5	-5.17	...	...
	4162.70	+0.78	WS	9	-5.18	7	-5.14	6	-4.83
	4189.68	-0.04	WS	...	...	2	-4.94	...	...
48	4552.38	-0.10	WS	...	...	4	-4.75	6	-4.15

Table 6. - *continued*

				υ Her		ϕ Her		HR 7018	
Mult.	λ(Å)	log gf	Ref.	W$_\lambda$(mÅ)	log N/N$_T$	W$_\lambda$(mÅ)	log N/N$_T$	W$_\lambda$(mÅ)	log N/N$_T$
S II	*(continued)*								
49	4267.76	+0.28	WS	...	...	8	-4.44	...	...
	4294.43	+0.56	WM	6	-5.13	7	-4.75	...	...
55	3923.44	+0.44	WS	4	-5.38	...	...	...	...
Ca I				log Ca/N$_T$ = ...			-5.17		-5.68
2	4226.73	+0.24	FW	...	-5.17	11	-5.17	23	-5.68
Ca II				log Ca/N$_T$ = -6.10			-5.62		-5.53
1	3933.66	+0.13	WM	159	-6.10	314	-5.62	665	-5.53
Sc II				log Sc/N$_T$ = -8.98±0.07			-7.42±0.14		-9.76
1	3833.06	-2.01	LD	...	...	11	-7.08	...	...
7	4246.83	+0.24	LD	9	-9.06	74	-7.33	11	-9.76
14	4354.61	-1.59	LD	...	...	8	-7.35	...	...
	4374.45	-0.42	LD	2	-8.87	44	-7.41	...	...
	4384.81	-1.62	LD	...	...	8	-7.35	...	...
	4400.36	-0.53	LD	...	...	39	-7.44	...	...
	4415.56	-0.68	LD	...	...	34	-7.42	...	...
15	4294.77	-1.39	LD	...	...	10	-7.48	...	...
	4314.08	-0.09	LD	4	-9.01	52	-7.53	...	...
	4320.73	-0.25	LD	3	-8.97	47	-7.49	...	...
23	5031.02	-0.32	LD	...	...	29	-7.52	...	...
24	4670.40	-0.57	LD	...	...	15	-7.68	...	...
Ti II				log Ti/N$_T$ = -6.17±0.25			-6.35±0. 29		-6.62±0.23
11	3981.99	-2.53	KX	5	-6.37	9	-6.28	11	-6.66
	3987.61	-2.73	MF	3	-6.37	4	-6.48	...	...
	4025.13	-1.98	MF	21	-6.16	11	-6.70	25	-6.73
	4056.19	-2.68	KX	4	-6.28	...	...	9	-6.63
17	4762.79	-2.71	MF	...	...	7	-5.96	...	...
18	4469.12	-2.10	KX	5	-6.58	...	...	...	...
	4518.33	-2.55	KX	4	-6.36	8	-5.93	...	...
19	4395.03	-0.66	MF	67	-5.94	66	-6.15	79	-6.21
	4443.80	-0.70	MF	60	-6.14	60	-6.31	76	-6.29
	4450.49	-1.45	MF	29	-6.25	32	-6.35	32	-6.83
20	4287.89	-2.02	MF	18	-5.98	14	-6.33	...	...
	4337.88	-1.13	MF	23	-6.73	...	...	37	-7.01
	4344.33	-2.09	MF	7	-6.45	5	-6.76	...	...
21	4161.54	-2.36	MF	10	-5.98	11	-6.08	...	...
	4184.33	-2.46	KX	4	-6.30	...	...	...	...
	4190.23	-2.40	KX	...	...	4	-6.53	...	...
30	4545.14	-2.78	KX	4	-5.95	4	-6.18	...	...
31	4468.49	-0.60	MF	62	-6.13	60	-6.38	66	-6.69
	4501.27	-0.75	MF	58	-6.12	59	-6.28	66	-6.55
33	4227.35	-2.36	KX	6	-6.22	...	...	26	-6.03
34	3882.28	-1.71	MF	...	...	8	-6.86	...	...
	3900.55	-0.45	MF	65	-6.14	62	-6.42	70	-6.64
	3913.46	-0.53	MF	64	-6.12	60	-6.41	68	-6.64
	3932.02	-1.78	MF	20	-6.13	26	-6.14	23	-6.69
40	4417.72	-1.43	MF	34	-6.08	40	-6.12	40	-6.60
	4441.73	-2.41	MF	5	-6.24	6	-6.27	...	...
	4470.86	-2.28	MF	8	-6.14	8	-6.32	...	...
41	4290.22	-1.12	MF	51	-5.95	59	-5.88	...	...
	4294.10	-1.11	MF	...	...	...	...	54	-6.57
	4300.05	-0.77	MF	69	-5.75	63	-6.08	...	...
	4301.93	-1.16	MF	37	-6.28	41	-6.36	42	-6.82
	4312.86	-1.16	MF	43	-6.12	43	-6.29	54	-6.48

Table 6. - *continued*

				υ Her		ϕ Her		HR 7018	
Mult.	λ(Å)	log gf	Ref.	W$_\lambda$(mÅ)	log N/N$_T$	W$_\lambda$(mÅ)	log N/N$_T$	W$_\lambda$(mÅ)	log N/N$_T$
Ti II	*(continued)*								
41	4314.97	-1.13	MF	39	-6.25	...	...	49	-6.66
	4320.99	-1.87	MF	15	-6.19	16	-6.35	21	-6.64
	4330.71	-2.04	MF	11	-6.21	10	-6.44	13	-6.74
48	4763.88	-2.45	KX	6	-6.05	...	...	...	...
49	4708.65	-2.21	MF	6	-6.28	7	-6.44	...	...
50	4533.97	-0.77	MF	71	-5.62	66	-5.97	...	...
	4563.76	-0.96	MF	53	-6.02	53	-6.19	48	-6.83
51	4394.06	-1.59	MF	17	-6.39	19	-6.50	20	-6.95
	4399.77	-1.27	MF	37	-6.13	40	-6.24	41	-6.68
	4418.34	-2.40	MF	12	-5.78	15	-5.83	13	-6.35
59	4657.20	-2.15	MF	9	-6.17	...	...	...	...
60	4544.02	-2.40	MF	3	-6.49	3	-6.58	...	...
	4568.31	-2.65	MF	2	-6.41	...	...	...	...
61	4391.03	-2.75	MF	6	-5.74	9	-5.75	...	...
	4395.85	-2.17	MF	16	-5.84	15	-6.03	...	...
	4398.25	-2.39	KX	...	...	2	-6.87	13	-6.36
	4409.24	-2.29	KX	...	...	2	-6.94	...	...
	4409.51	-1.84	KX	6	-6.63	7	-6.75	...	...
	4411.92	-2.12	KX	3	-6.66	3	-6.86	...	...
71	5013.68	-1.94	KX	5	-6.53	4	-6.81	...	...
82	4529.46	-2.03	MF	14	-5.86	...	...	18	-6.35
	4571.97	-0.53	MF	66	-5.88	67	-6.00	60	-6.71
87	4028.33	-1.00	MF	33	-6.17	34	-6.30	37	-6.67
	4053.83	-1.21	MF	30	-6.05	26	-6.31	...	...
93	4374.84	-1.29	MF	20	-6.18	...	...	...	...
	4421.95	-1.77	MF	10	-6.08	10	-6.23	15	-6.45
94	4316.81	-1.42	MF	10	-6.43	12	-6.50	10	-7.00
	4330.24	-1.51	MF	9	-6.37	9	-6.56	...	...
	4350.83	-1.40	MF	7	-6.60	6	-6.84	9	-6.98
	4386.85	-1.26	MF	21	-5.90	23	-6.00	21	-6.45
105	4163.64	-0.40	MF	48	-6.02	47	-6.21	48	-6.58
	4174.07	-1.25	MF	6	-6.55	...	...	...	...
	4367.65	-1.27	MF	22	-5.86	25	-5.93	...	...
106	4064.37	-1.61	KX	6	-6.17	4	-6.58	...	...
113	5010.21	-1.34	KX	9	-6.07	8	-6.26	...	...
	5072.28	-0.75	MF	...	...	13	-6.56	...	...
114	4874.01	-0.79	MF	15	-6.33	13	-6.54	...	...
	4911.20	-0.34	MF	23	-6.48	...	...	...	...
115	4411.09	-1.06	MF	21	-5.84	19	-6.07	19	-6.45
	4456.65	-1.41	KX	2	-6.58	3	-6.69	...	...
	4488.32	-0.82	MF	27	-5.89	26	-6.09	27	-6.43
H	4129.16	-1.40	KX	...	...	6	-6.94	...	...
	4158.27	-0.46	KX	4	-6.18	3	-6.51	...	...
	4188.98	-0.59	KX	...	...	5	-6.07	...	...
	4239.67	-0.82	KX	...	...	4	-5.86	...	...
V II				log V/N$_T$ = ...			-8.14		...
10	3916.42	-1.05	BG	...	...	3	-8.14	...	...
Cr I				log Cr/N$_T$ = ...			-5.19±0.28		-5.54 ±0.25
1	4254.33	-0.11	MF	...	...	10	-5.53	40	-5.25
	4274.80	-0.23	MF	...	...	12	-5.30	20	-5.69
	4289.72	-0.36	MF	...	...	...	...	16	-5.68
21	4646.15	-0.70	MF	...	...	3	-5.06	...	...
	4652.15	-1.03	MF	...	...	2	-4.88	...	...

Table 6. - *continued*

				υ Her		ϕ Her		HR 7018	
Mult.	λ(Å)	log gf	Ref.	W$_\lambda$(mÅ)	log N/N$_T$	W$_\lambda$(mÅ)	log N/N$_T$	W$_\lambda$(mÅ)	log N/N$_T$
Cr II				log Cr/N$_T$ = -6.06±0.18			-5.45±0.25		-5.64 ±0.33
18	4111.01	-1.82	KX	13	-6.47	33	-5.88	34	-6.10
	4112.54	-3.02	KX	...	...	5	-5.80	...	...
	4172.60	-2.36	KX	...	...	17	-5.84	...	...
	4215.76	-2.63	KX	4	-6.30	12	-5.73	...	...
19	4051.93	-2.19	KX	11	-6.17	32	-5.55	33	-5.76
	4053.43	-3.37	KX	...	...	4	-5.55	...	...
	4054.10	-2.48	KX	8	-6.06	21	-5.56	...	...
	4077.50	-2.78	KX	4	-6.15	12	-5.58	...	...
	4087.59	-3.22	MF	...	...	3	-5.82	...	...
26	4072.56	-2.41	KX	...	...	15	-5.52	14	-5.80
	4086.14	-2.42	KX	5	-6.02	11	-5.71	...	...
	4132.41	-2.34	KX	5	-6.10	18	-5.47	34	-5.24
	4179.42	-1.77	KX	13	-6.16	39	-5.41	41	-5.57
30	4876.41	-1.46	KX	36	-5.75	...	...	...	...
	4884.61	-2.08	MF	9	-6.06	25	-5.47	...	...
31	4224.09	-3.53	MF	...	...	5	-4.93	...	...
	4246.41	-3.22	KX	...	...	6	-5.13	...	...
	4252.62	-2.02	KX	10	-6.03	32	-5.32	...	...
	4261.92	-1.53	KX	...	...	...	...	63	-5.12
	4269.28	-2.17	KX	9	-5.97	28	-5.31	31	-5.43
	4275.58	-1.71	KX	16	-6.11	41	-5.40	48	-5.42
	4284.21	-1.86	KX	13	-6.08	40	-5.28	...	...
39	4539.62	-2.53	MF	5	-5.81	21	-5.05	22	-5.21
	4565.74	-2.11	MF	11	-5.81	32	-5.14	27	-5.49
44	4555.02	-1.38	MF	26	-6.02	52	-5.25	38	-5.90
	4558.66	-0.66	MF	59	-5.77	89	-4.86	69	-5.70
	4588.22	-0.63	MF	54	-5.95	72	-5.38	60	-6.00
	4592.05	-1.22	MF	27	-6.15	52	-5.44	44	-5.89
	4616.63	-1.29	MF	23	-6.19	48	-5.48	...	...
	4618.80	-1.11	MF	41	-5.87	67	-5.06	...	...
	4634.07	-1.24	MF	35	-5.89	60	-5.16	16	-5.41
129	3911.32	-2.06	KX	5	-5.84	11	-5.42	...	...
130	3866.00	-2.35	KX	2	-5.99	8	-5.31	...	...
	3866.52	-2.07	KX	3	-5.97	14	-5.28	15	-5.43
162	4145.77	-1.16	KX	16	-5.95	33	-5.42	37	-5.47
	4224.85	-1.73	KX	11	-5.57	30	-4.92	32	-5.03
165	4082.30	-1.23	KX	6	-6.40	16	-5.88	11	-6.23
	4098.40	-1.47	KX	...	...	10	-5.89	...	...
167	3865.60	-0.78	KX	19	-6.20	...	...	...	...
	3905.64	-0.90	KX	21	-6.03	45	-5.32	...	...
178	4697.62	-1.88	MF	3	-5.88	8	-5.42	...	...
179	4362.92	-1.89	KX	...	...	9	-5.37	...	...
180	4222.00	-1.93	KX	...	...	7	-5.45	...	...
181	4127.07	-1.77	KX	3	-6.01	10	-5.42	11	-5.54
	4181.50	-2.50	KX	...	...	2	-5.39	...	...
183	3979.50	-0.73	KX	15	-6.23	31	-5.75	23	-6.14
190	4901.66	-0.83	KX	7	-6.15	19	-5.58	...	...
	4912.46	-0.95	KX	5	-6.14	16	-5.57	...	...
191	4465.73	-1.18	KX	...	...	7	-5.76	...	...
192	4256.39	-1.39	KX	...	...	10	-5.40	...	...
	4268.88	-1.57	KX	...	...	7	-5.44	...	...
193	4049.10	-0.86	KX	6	-6.18	20	-5.54	...	...
	4070.84	-0.75	KX	10	-6.07	25	-5.48	...	...
194	4003.28	-0.60	KX	9	-6.26	23	-5.70	30	-5.61
	4038.04	-0.56	KX	11	-6.21	...	...	27	-5.74

Table 6. - *continued*

				υ Her		ϕ Her		HR 7018	
Mult.	λ(Å)	log gf	Ref.	W$_\lambda$(mÅ)	log N/N$_T$	W$_\lambda$(mÅ)	log N/N$_T$	W$_\lambda$(mÅ)	log N/N$_T$
Cr II *(continued)*									
D	4254.52	-0.93	KX	7	-6.29	31	-5.43	...	...
	4306.92	-1.18	KX	4	-6.21	12	-5.82	9	-6.14
K	4515.83	-1.57	KX	...	...	9	-5.26	...	...
	4546.62	-1.18	KX	...	...	3	-5.58	...	...
	4564.26	-1.27	KX	...	...	7	-5.08	...	...
	4587.30	-1.65	MF	...	...	5	-5.48	...	...
Mn I				log Mn/N$_T$ = -4.59±0.21			-4.92±0.22		-5. 32±0.29
2	4030.78	-0.47	MF	20	-4.82	26	-5.03	36	-5.45
	4033.06	-0.62	MF	38	-4.14	...	...	47	-4.96
	4034.49	-0.81	MF	8	-4.96	12	-5.15	20	-5.56
5	4018.10	-0.31	MF	6	-4.55	9	-4.73	12	-5.17
	4035.73	-0.19	KX	5	-4.73	...	...	6	-5.66
	4041.35	+0.28	MF	17	-4.62	18	-4.93	24	-5.34
	4055.55	-0.07	MF	8	-4.67	6	-5.12	20	-5.12
	4058.93	-0.45	MF	7	-4.35	3	-5.12	...	...
	4079.24	-0.42	MF	3	-4.70	5	-4.86	...	...
	4079.41	-0.42	MF	6	-4.45	4	-4.96	...	...
	4082.94	-0.35	MF	...	...	3	-5.19	...	...
16	4754.04	-0.09	MF	6	-4.70	...	...	6	-5.68
21	4761.51	-0.14	MF	3	-4.59	...	...	...	...
	4762.38	+0.42	MF	9	-4.72	...	...	13	-5.46
	4766.42	+0.10	MF	7	-4.51	...	...	...	...
22	4414.89	-0.29	MF	2	-4.78	6	-4.60	...	...
	4436.36	-0.29	MF	2	-4.62	...	...	...	...
	4462.03	+0.32	MF	6	-4.73	8	-4.96	...	...
	4464.68	-0.10	MF	...	...	3	-5.12	...	...
	4470.14	-0.44	MF	5	-4.14	...	...	...	...
	4498.90	-0.34	MF	...	...	7	-4.44	...	...
	4502.31	-0.35	MF	...	...	3	-4.84	...	...
23	4235.14	-0.26	KX	...	...	6	-4.61	...	...
	4235.30	+0.17	MF	...	...	6	-5.05	...	...
	4257.67	-0.27	MF	2	-4.68	...	...	...	...
	4281.10	-0.42	MF	3	-4.41	3	-4.70	...	...
28	4458.26	+0.04	MF	...	...	3	-5.18	...	...
44	3926.47	0.00	MF	...	...	...	...	8	-4.76
Mn II				log Mn/N$_T$ = -4.77±0.26			-4.98±0. 29		-5.39±0.32
I	3839.05	-1.96	KX	14	-5.18	9	-5.43	...	...
	3843.33	-2.57	KX	...	...	5	-5.17	...	...
	3844.16	-1.38	KX	50	-4.65	38	-5.04	19	-5.78
	3848.57	-3.33	KX	7	-4.20	5	-4.34	...	...
	3859.21	-2.56	KX	5	-5.21	4	-5.27	...	...
	3879.00	-1.71	KX	27	-5.00	24	-5.12	20	-5.39
	3897.60	-1.70	KX	26	-5.11	19	-5.34	14	-5.71
	3898.06	-1.50	KX	31	-5.09	23	-5.32	15	-5.78
	3902.37	-2.72	KX	7	-4.77	5	-4.99	...	...
	3917.32	-1.15	KX	22	-5.05	19	-5.17	11	-5.59
	3926.11	-2.42	KX	8	-4.79	8	-4.84	7	-5.01
	3930.97	-2.15	KX	11	-4.67	...	...	...	...
	3941.22	-2.62	KX	19	-4.39	14	-4.60	12	-4.85
	3943.60	-2.24	KX	10	-4.87	8	-5.01	18	-4.69
	3943.86	-2.46	KX	...	...	26	-4.37	...	...
	3952.42	-1.50	KX	9	-4.83	9	-4.84	...	...
	3975.75	-1.35	KX	6	-5.17	...	...	...	...
	3986.58	-2.60	KX	11	-4.69	9	-4.85	...	...
	3994.12	-1.28	KX	...	...	3	-5.39	...	...

Table 6. - *continued*

				υ Her		ϕ Her		HR 7018	
Mult.	λ(Å)	log gf	Ref.	W$_\lambda$(mÅ)	log N/N$_T$	W$_\lambda$(mÅ)	log N/N$_T$	W$_\lambda$(mÅ)	log N/N$_T$
Mn II	*(continued)*								
I	3995.31	-2.44	KX	8	-5.07	7	-5.20	8	-5.30
	4000.04	-1.21	KX	17	-4.75	9	-5.14	...	...
	4081.44	-2.24	KX	...	...	18	-4.49	...	...
	4083.66	-4.82	KX	...	...	9	-4.48	...	...
	4085.40	-2.26	KX	20	-4.67	...	...	...	...
	4087.90	-2.91	KX	8	-4.64	...	...	...	...
	4094.40	-2.58	KX	16	-4.62	...	...	...	...
	4104.98	-1.35	KX	28	-5.05	...	...	...	...
	4110.62	-1.51	KX	23	-5.04	13	-5.43	34	-5.07
	4136.94	-1.29	KX	...	...	45	-4.60	...	...
	4140.44	-2.46	KX	12	-4.75	6	-5.10	...	...
	4171.03	-2.36	KX	17	-4.37	18	-4.36	...	...
	4171.51	-2.12	KX	14	-4.71	12	-4.82	...	...
	4180.03	-2.83	KX	5	-4.91	...	...	...	...
	4184.46	-1.95	KX	20	-4.66	17	-4.80	19	-4.85
	4200.03	-1.74	KX	26	-4.67	18	-4.97	...	...
	4205.39	-3.38	KX	51	-4.52	36	-4.99	34	-5.36
	4206.37	-1.57	KX	...	...	56	-4.32	35	-5.16
	4207.23	-4.47	KX	...	...	...	...	10	-5.01
	4237.87	-2.96	KX	8	-4.53	8	-4.60	...	...
	4238.79	-3.63	KX	32	-4.80	20	-5.18	23	-5.38
	4239.19	-2.25	KX	28	-4.52	18	-4.84	16	-5.09
	4240.39	-2.07	KX	18	-4.63	14	-4.76	...	...
	4242.33	-1.26	KX	...	...	...	...	13	-5.76
	4242.92	-2.99	KX	14	-4.26	...	...	...	...
	4244.25	-2.40	KX	26	-4.42	17	-4.72	...	...
	4251.74	-1.06	KX	42	-4.90	36	-5.07	23	-5.60
	4259.20	-1.59	KX	...	...	49	-4.54	30	-5.28
	4275.87	-1.92	KX	7	-4.55	4	-4.81	...	...
	4283.77	-2.20	KX	36	-4.33	25	-4.66	...	...
	4284.43	-2.26	KX	29	-4.48	15	-4.96	...	...
	4288.07	-2.76	KX	13	-4.50	9	-4.74	...	...
	4289.59	-3.31	KX	9	-4.16	...	...	...	...
	4292.24	-2.23	KX	...	...	...	...	27	-4.74
	4293.67	-0.53	KX	5	-4.79	6	-4.66	...	...
	4308.16	-1.72	KX	35	-4.83	21	-5.24	...	...
	4310.70	-0.16	KX	5	-5.13	3	-5.34	...	...
	4311.23	-0.68	KX	2	-5.13	...	...	...	...
	4317.71	-1.92	KX	11	-4.69	6	-4.97	...	...
	4318.52	-2.52	KX	10	-4.89	9	-4.96	...	...
	4325.04	-2.30	KX	19	-4.72	...	...	...	...
	4326.64	-1.25	KX	...	....	59	-4.55	46	-5.16
	4342.58	-1.98	KX	12	-5.24	...	...	...	...
	4343.98	-1.10	KX	61	-4.65	39	-5.35	36	-5.62
	4345.59	-2.16	KX	16	-4.96	7	-5.42	...	...
	4348.39	-1.50	KX	38	-4.94	23	-5.41	17	-5.77
	4356.62	-2.03	KX	22	-4.89	13	-5.22	8	-5.63
	4363.25	-1.91	KX	24	-4.88	14	-5.24	...	...
	4365.22	-1.35	KX	22	-5.00	18	-5.16	9	-5.64
	4377.74	-2.14	KX	15	-5.01	10	-5.26	...	...
	4379.67	-1.85	KX	...	...	...	...	21	-5.26
	4385.73	-3.03	KX	6	-4.63	3	-5.00	...	...
	4391.96	-2.89	KX	4	-4.93	...	...	...	...
	4393.38	-2.32	KX	13	-4.87	10	-5.08	...	...
	4403.50	-1.80	KX	11	-4.95	11	-4.97	8	-5.28

Table 6. - *continued*

				υ Her		ϕ Her		HR 7018	
Mult.	λ(Å)	log gf	Ref.	W$_\lambda$(mÅ)	log N/N$_T$	W$_\lambda$(mÅ)	log N/N$_T$	W$_\lambda$(mÅ)	log N/N$_T$
Mn II	*(continued)*								
I	4441.99	-2.36	KX	12	-4.89	10	-4.99	9	-5.21
	4478.64	-0.95	KX	39	-4.87	29	-5.16	19	-5.58
	4497.95	-2.59	KX	8	-4.94	5	-5.20	...	...
	4500.55	-2.07	KX	12	-4.91	7	-5.24	...	...
	4503.20	-2.16	KX	12	-4.84	6	-5.23	...	...
	4510.21	-0.72	KX	...	...	2	-5.04	...	...
	4518.96	-1.33	KX	31	-4.71	17	-5.15	12	-5.49
	4519.24	-2.57	KX	8	-4.96	5	-5.22	...	...
	4639.16	-0.68	KX	3	-4.68	...	...	...	...
	4689.48	-2.54	KX	10	-4.47	6	-4.74	...	...
	4702.73	-2.34	KX	7	-4.82	...	...	...	...
	4717.29	-1.86	KX	13	-4.82	6	-5.26	...	...
	4727.86	-2.02	KX	43	-4.30	23	-4.90	24	-5.03
	4730.39	-2.15	KX	39	-4.30	18	-4.94	23	-4.93
	4737.96	-2.94	KX	8	-4.19	...	...	...	...
	4738.29	-2.24	KX	...	...	21	-4.74	19	-4.97
	4742.95	-2.98	KX	...	...	7	-4.59	...	...
	4749.15	-2.00	KX	14	-4.82	5	-5.32	...	...
	4755.73	-1.24	KX	...	...	45	-5.01	52	-4.97
	4764.73	-1.35	KX	...	...	36	-5.17	35	-5.37
	4920.48	-2.09	KX	24	-4.73	...	...	...	...
	4921.23	-1.58	KX	15	-4.96	13	-5.05	...	...
	5826.29	-1.77	KX	17	-4.64	...	...	...	...
Fe I				log Fe/N$_T$ = -4.72±0.15			-4.22±0.22		- 4.35±0.24
4	3856.37	-1.29	MF	5	-4.43	12	-4.33	...	...
	3859.91	-0.71	MF	7	-4.93	21	-4.59	37	-4.73
	3878.57	-1.35	MF	...	...	10	-4.32	...	...
	3899.71	-1.53	MF	...	...	5	-4.47	15	-4.55
	3920.25	-1.75	MF	...	...	5	-4.22	...	...
	3922.91	-1.65	MF	...	...	5	-4.38	14	-4.48
	3927.92	-1.59	MF	...	...	8	-4.20	16	-4.44
	3930.29	-1.59	MF	...	...	14	-3.94	19	-4.35
20	3840.44	-0.51	MF	6	-4.70	10	-4.73	20	-4.88
	3849.97	-0.87	MF	4	-4.49	11	-4.28	20	-4.52
	3872.50	-0.93	MF	...	...	8	-4.39	...	...
	3878.02	-0.91	MF	...	...	8	-4.47	...	...
41	4383.54	+0.20	MF	13	-4.76	30	-4.49	58	-4.18
	4404.75	-0.14	MF	7	-4.69	24	-4.29	41	-4.37
	4415.12	-0.61	MF	2	-4.78	14	-4.12	23	-4.37
42	4202.02	-0.71	MF	...	...	7	-4.48	21	-4.40
	4250.79	-0.71	MF	...	...	11	-4.20	...	...
	4271.76	-0.16	MF	8	-4.66	21	-4.39	42	-4.36
	4325.75	-0.01	MF	5	-4.98	25	-4.36	41	-4.46
43	4005.25	-0.61	MF	...	...	11	-4.27	24	-4.37
	4045.82	+0.28	MF	15	-4.75	36	-4.39	...	...
	4071.74	-0.02	MF	9	-4.67	23	-4.40	36	-4.60
	4132.06	-0.65	MF	...	...	9	-4.34	...	...
45	3827.82	+0.06	MF	...	...	...	...	37	-4.64
	3902.94	-0.47	MF	2	-4.89	11	-4.41	26	-4.43
68	4408.41	-1.71	MF	...	...	2	-3.70	...	...
	4528.61	-0.82	MF	...	...	8	-3.91	12	-4.24
72	3949.95	-1.20	MF	...	...	3	-4.02	...	...
152	4187.04	-0.55	MF	...	...	7	-4.16	17	-4.16
	4187.79	-0.55	MF	...	...	10	-3.95	12	-4.36

Table 6. - *continued*

				υ Her		ϕ Her		HR 7018	
Mult.	λ(Å)	log gf	Ref.	W$_\lambda$(mÅ)	log N/N$_T$	W$_\lambda$(mÅ)	log N/N$_T$	W$_\lambda$(mÅ)	log N/N$_T$
Fe I	*(continued)*								
152	4191.44	-0.74	KX	...	...	13	-3.62	12	-4.14
	4198.30	-0.72	MF	...	...	6	-4.03	...	...
	4210.35	-0.87	MF	...	...	4	-4.01	...	...
	4222.22	-0.97	MF	...	...	...	...	9	-4.07
	4235.94	-0.34	MF	...	...	5	-4.50	...	...
	4250.12	-0.40	MF	...	...	6	-4.32	...	...
	4271.16	-0.35	MF	2	-4.66	10	-4.15	18	-4.34
	4299.24	-0.46	KX	...	...	7	-4.22	14	-4.40
273	3956.68	-0.58	KX	...	...	7	-3.97	...	...
278	3952.60	-0.98	MF	...	...	...	...	13	-3.73
	3997.39	-0.39	MF	...	...	5	-4.34	14	-4.29
318	4890.75	-0.43	MF	...	...	8	-4.00	...	...
	4891.49	-0.14	MF	...	...	10	-4.17	...	...
	5006.12	-0.77	KX	...	...	6	-3.83	...	...
350	4466.55	-0.59	MF	...	...	6	-3.99	...	...
	4476.02	-0.57	KX	...	...	...	...	12	-4.13
354	4156.80	-0.62	MF	...	...	3	-4.31	...	...
	4175.64	-0.67	MF	...	...	3	-4.22	...	...
	4181.75	-0.18	MF	...	...	7	-4.32	9	-4.65
355	4154.50	-0.48	KX	...	...	5	-4.20	...	...
	4184.89	-0.86	MF	...	...	4	-3.92	...	...
357	4109.80	-0.91	MF	...	...	...	...	4	-4.37
	4134.68	-0.49	MF	...	...	3	-4.43	7	-4.52
359	4044.61	-1.08	MF	...	...	3	-3.79	...	...
	4062.45	-0.78	MF	...	...	4	-3.91	...	...
364	3942.44	-0.98	MF	...	...	2	-4.01	...	...
488	3867.22	-0.42	MF	...	...	3	-4.44	...	...
522	4199.10	0.25	MF	...	...	11	-4.38	...	...
523	4143.42	-0.47	KX	...	...	11	-3.67	...	...
529	3839.26	-0.25	MF	...	...	5	-4.24	...	...
604	3956.46	-0.26	MF	...	...	4	-4.29	...	...
661	3951.16	-0.38	MF	...	...	4	-4.15	...	...
693	4225.45	-0.50	MF	...	...	3	-4.14	...	...
	4247.42	-0.23	MF	...	...	6	-4.11	10	-4.27
694	4154.81	-0.37	MF	...	...	5	-4.03	9	-4.22
800	4219.36	+0.12	MF	...	...	5	-4.44	...	...
801	4118.55	+0.28	MF	...	...	5	-4.58	14	-4.48
804	3846.41	-0.43	MF	...	...	...	...	8	-4.08
828	4401.29	-0.92	MF	...	...	...	...	6	-3.73
984	5005.71	-0.18	KX	...	...	6	-3.88	...	...
Fe II				log Fe/N$_T$ = -4.74±0.19			-4.47±0.20		-4.32±0.24
3	3914.50	-4.05	MF	7	-4.93	...	...	...	...
	3938.29	-3.89	MF	11	-4.83	19	-4.50	34	-4.29
	3945.21	-4.25	MF	5	-4.87	12	-4.41	11	-4.67
	3981.51	-5.05	KX	...	...	3	-4.23	...	...
21	4119.53	-4.90	KX	...	...	2	-4.13	6	-3.87
25	4670.18	-4.10	MF	...	...	15	-3.98	11	-4.32
26	4461.43	-4.11	KX	2	-5.04	...	...	...	...
	4580.06	-3.65	KX	7	-4.89	10	-4.65	12	-4.73
27	4128.74	-3.77	MF	13	-4.44	14	-4.34	16	-4.44
	4273.32	-3.34	MF	14	-4.78	18	-4.59	32	-4.32
	4303.17	-2.49	MF	40	-4.82	46	-4.59	64	-4.20
	4351.77	-2.10	MF	42	-5.14	52	-4.79	66	-4.55
	4385.38	-2.57	MF	35	-4.84	45	-4.51	61	-4.18

Table 6. - *continued*

				υ Her		ϕ Her		HR 7018	
Mult.	λ(Å)	log gf	Ref.	W$_\lambda$(mÅ)	log N/N$_T$	W$_\lambda$(mÅ)	log N/N$_T$	W$_\lambda$(mÅ)	log N/N$_T$
Fe II	*(continued)*								
27	4416.83	-2.60	MF	35	-4.81	42	-4.55	49	-4.54
28	4122.66	-3.38	MF	...	...	21	-4.51	29	-4.43
	4178.86	-2.48	MF	40	-4.88	49	-4.57	56	-4.55
	4258.16	-3.40	MF	12	-4.79	...	...	36	-4.15
	4296.57	-3.01	MF	24	-4.76	37	-4.32	45	-4.27
	4369.40	-3.67	MF	9	-4.64	14	-4.36	24	-4.19
29	3872.76	-3.31	KX	9	-5.04	...	...	36	-4.24
	3974.16	-3.51	MF	4	-5.18	7	-4.93	...	...
	4002.08	-3.37	KX	6	-5.09	9	-4.93	21	-4.56
31	4893.83	-4.45	MF	...	...	3	-4.39	...	...
32	4384.33	-3.50	MF	9	-4.84	13	-4.64	37	-4.04
	4413.60	-3.87	MF	3	-4.97	6	-4.63	8	-4.69
37	4472.92	-3.43	MF	11	-4.73	16	-4.49	28	-4.28
	4489.18	-2.97	MF	25	-4.69	38	-4.26	48	-4.17
	4491.40	-2.70	MF	29	-4.83	37	-4.56	51	-4.34
	4515.34	-2.48	MF	35	-4.91	52	-4.33	69	-3.97
	4520.22	-2.60	MF	35	-4.80	45	-4.44	52	-4.41
	4534.17	-3.47	MF	8	-4.84	...	...	...	...
	4555.89	-2.29	MF	42	-4.89	52	-4.52	47	-4.87
	4582.83	-3.10	MF	16	-4.86	22	-4.60	25	-4.67
	4629.34	-2.37	MF	40	-4.88	51	-4.50	...	...
	4666.75	-3.33	MF	11	-4.84	20	-4.47	29	-4.35
38	4508.28	-2.21	MF	43	-4.93	54	-4.55	63	-4.44
	4522.63	-2.03	MF	49	-4.92	59	-4.55	66	-4.54
	4541.52	-3.05	MF	23	-4.68	32	-4.38	40	-4.30
	4576.33	-3.04	MF	20	-4.77	29	-4.46	31	-4.58
	4583.83	-2.02	MF	59	-4.64	68	-4.30	71	-4.40
	4595.68	-4.26	KX	...	...	3	-4.48	...	...
	4620.51	-3.28	MF	14	-4.76	21	-4.48	...	...
42	4923.93	-1.32	MF	85	-4.52	...	...	...	...
43	4656.97	-3.63	MF	7	-4.73	16	-4.28	25	-4.11
	4731.44	-3.36	MF	19	-4.45	20	-4.41	32	-4.19
44	4663.70	-4.26	KX	5	-4.26	7	-4.05	8	-4.14
127	3845.18	-2.29	KX	11	-5.09	...	...	...	...
127	4024.55	-2.48	MF	22	-4.48	30	-4.20	47	-3.77
150	4138.21	-3.18	KX	...	...	...	...	7	-4.35
151	4031.44	-3.11	KX	...	...	4	-4.61	...	...
152	3863.95	-2.53	KX	...	...	9	-4.81	...	...
153	3827.08	-2.64	MF	...	...	...	...	18	-4.40
170	4610.59	-3.54	KX	...	...	2	-4.07	...	...
172	4044.01	-2.41	KX	8	-4.64	11	-4.41	14	-4.34
	4048.83	-2.14	KX	...	...	11	-4.68	...	...
173	3906.04	-1.83	KX	19	-4.71	25	-4.47	...	...
	3935.94	-1.86	MF	20	-4.65	28	-4.35	38	-4.11
186	4549.21	-1.87	MF	20	-4.47	25	-4.24	...	...
	4625.91	-2.22	KX	3	-5.03	6	-4.69	...	...
186	4635.33	-1.65	MF	25	-4.49	28	-4.33	...	...
187	4446.24	-2.58	MF	...	...	2	-4.82	...	...
189	4061.78	-2.02	KX	5	-5.11	...	...	21	-4.27
190	3938.97	-1.85	MF	15	-4.69	18	-4.51	29	-4.22
	3996.35	-2.93	KX	...	...	5	-4.16	4	-4.29
191	3918.53	-2.10	KX	5	-4.98	11	-4.59	19	-4.28
205	5074.05	-1.97	KX	...	...	3	-4.88	...	...
212	3960.90	-1.42	KX	7	-4.88	7	-4.86	6	-4.94
	4057.46	-1.54	KX	8	-4.73	11	-4.50	18	-4.20

Table 6. - *continued*

				υ Her		ϕ Her		HR 7018	
Mult.	λ(Å)	log gf	Ref.	W$_\lambda$(mÅ)	log N/N$_T$	W$_\lambda$(mÅ)	log N/N$_T$	W$_\lambda$(mÅ)	log N/N$_T$
Fe II	*(continued)*								
213	4354.34	-1.74	KX	4	-4.65	5	-4.47	...	...
	4507.10	-1.87	KX	...	...	4	-4.35	7	-4.14
218	4913.30	+0.01	KX	...	...	13	-4.43	...	...
219	4628.79	-1.74	KX	4	-4.60	9	-4.09	...	...
	4631.90	-1.82	KX	2	-4.89	...	...	...	...
220	4318.22	-1.93	KX	3	-4.58	2	-4.60	...	...
	4319.68	-1.69	KX	4	-4.61	3	-4.76	...	...
	4321.34	-1.76	KX	2	-4.85	4	-4.43	...	...
222	4431.64	-1.93	KX	3	-4.45	7	-4.02	...	...
	4449.66	-1.60	KX	2	-4.90	5	-4.55	...	...
D	3844.79	-0.92	KX	...	...	3	-5.00	...	...
	3845.18	-2.29	KX	...	...	14	-4.90	...	...
	3898.62	-1.66	KX	3	-4.96	3	-4.88	...	...
	3903.76	-1.50	KX	7	-4.72	12	-4.37	14	-4.30
	3908.07	-1.29	KX	...	...	3	-4.50	7	-4.10
	3911.56	-2.58	KX	...	...	3	-4.02	...	...
	4202.52	-2.33	KX	...	...	5	-4.28	...	...
	4418.98	-1.97	KX	3	-4.96	4	-4.21	...	...
	4461.71	-2.05	KX	7	-4.76	...	...	28	-3.84
	4596.02	-1.84	KX	12	-4.64	16	-4.43	23	-4.21
	4638.05	-1.52	KX	7	-4.56	9	-4.36	6	-4.57
G	3924.84	-1.14	KX	2	-4.62	3	-4.55	...	...
	4213.52	-2.24	KX	2	-4.40	3	-4.13	...	...
	4512.06	-2.18	KX	...	...	3	-4.28	...	...
	4556.39	-2.23	KX	3	-4.35	...	...	...	...
J	4061.78	-2.15	KX	...	...	5	-4.86	...	...
	4263.90	-1.64	KX	5	-4.68	7	-4.45	17	-3.93
	4357.58	-2.10	KX	11	-4.53	11	-4.45	23	-4.02
	4361.25	-2.08	KX	5	-4.93	5	-4.83	9	-4.58
	4402.88	-2.75	KX	5	-4.28	6	-4.07	11	-3.84
	4451.54	-1.82	KX	18	-4.49	...	...	24	-4.25
	4455.26	-1.99	KX	10	-4.59	14	-4.35	30	-3.85
	4499.71	-1.76	KX	...	...	3	-4.66	...	...
	4579.52	-2.36	KX	6	-4.47	7	-4.34	8	-4.30
	4640.84	-1.81	KX	3	-4.74	3	-4.59	...	...
	4908.15	-0.30	KX	6	-4.67	8	-4.43	...	...
	4913.29	+0.01	KX	11	-4.63	...	...	...	...
	4984.48	+0.01	KX	11	-4.58	10	-4.59	...	...
	4990.51	+0.18	KX	10	-4.83	14	-4.54	...	...
	4991.44	-0.57	KX	4	-4.61	6	-4.28	...	...
	4999.18	-0.48	KX	...	...	6	-4.42	...	...
	5001.92	+0.90	KX	31	-4.76	38	-4.44	...	...
	5004.20	+0.50	KX	19	-4.76	20	-4.63	...	...
	5006.84	-0.43	KX	6	-4.50	9	-4.16	...	...
	5007.45	-0.36	KX	3	-4.84	10	-4.15	...	...
	5007.74	-0.20	KX	4	-4.88	6	-4.71	...	...
	5009.02	-0.41	KX	4	-4.72	5	-4.54	...	...
	5015.76	-0.05	KX	15	-4.34	21	-4.01	...	...
	5018.44	-1.22	MF	88	-4.55	93	-4.37	...	...
	5019.45	-2.70	KX	6	-4.47	9	-4.20	...	...
	5021.59	-0.30	KX	4	-4.78	7	-4.48	...	...
	5022.42	-0.06	KX	7	-4.80	9	-4.53	...	...
	5022.79	-0.02	KX	9	-4.70	11	-4.51	...	...
	5026.80	-0.22	KX	5	-4.84	9	-4.41	...	...
	5029.10	-0.85	KX	5	-4.14	...	...	...	...

Table 6. - *continued*

				υ Her		ϕ Her		HR 7018	
Mult.	λ(Å)	log gf	Ref.	W$_\lambda$(mÅ)	log N/N$_T$	W$_\lambda$(mÅ)	log N/N$_T$	W$_\lambda$(mÅ)	log N/N$_T$
Fe II	*(continued)*								
J	5030.63	0.39	KX	17	-4.74	19	-4.55	...	...
	5031.90	-0.78	KX	2	-4.55	3	-4.38	...	...
	5032.71	0.11	KX	10	-4.74	11	-4.60	...	...
	5035.71	0.61	KX	28	-4.57	30	-4.38	...	...
	5045.11	-0.13	KX	...	...	7	-4.66	...	...
	5047.64	-0.07	KX	...	...	14	-4.31	...	...
	5060.26	-0.52	KX	...	...	8	-4.12	...	...
	5061.72	0.22	KX	...	...	14	-4.59	...	...
	5067.89	-0.20	KX	...	...	5	-4.72	...	...
	5070.90	0.24	KX	...	...	12	-4.66	...	...
	5075.76	0.28	KX	...	...	11	-4.74	...	...
	5076.61	-0.71	KX	...	...	6	-4.05	...	...
	5082.23	-0.10	KX	...	...	6	-4.70	...	...
	5087.30	-0.49	KX	...	...	3	-4.64	...	...
	5089.21	-0.04	KX	...	...	9	-4.60	...	...
	5780.13	+0.32	KX	14	-4.50	...	...	...	...
	5783.63	+0.21	KX	5	-4.94	...	...	...	...
	5784.48	+0.06	KX	5	-4.77	...	...	...	...
	5813.82	-1.94	KX	5	-4.18	...	...	...	...
	5835.49	-2.37	KX	3	-4.81	...	...	...	...
	5842.30	-0.21	KX	5	-4.55	...	...	...	...
	5871.77	+0.02	KX	5	-4.74	...	...	...	...
Fe III				log Fe/N$_T$ = -4.29			-4.38		...
4	4419.59	-2.22	KX	5	-4.29	2	-4.38	...	...
Ni I				log Ni/N$_T$ = ...			-5.58		...
86	4459.03	+0.15	KX	...	...	2	-5.58	...	...
Ni II				log Ni/N$_T$ = -6.18±0.19			-6.33 ±0.30		...
9	4362.10	-2.72	KX	...	...	4	-6.01	...	...
10	4192.07	-3.05	KX	...	...	2	-6.11	...	...
11	3849.58	-1.88	KX	4	-6.89	11	-6.36	...	...
	4067.05	-1.29	KX	11	-6.99	12	-6.86	...	...
12	4015.50	-2.42	KX	3	-6.54	4	-6.30	...	...
Zn I				log Zn/N$_T$ = ...			-5.83		...
2	4722.15	-0.34	KX	...	...	8	-5.83	...	...
Zn II				log Zn/N$_T$ = ...			-5.64		...
3	4911.18	+0.54	WM	...	...	18	-5.64	...	...
Ga II				log Gan/N$_T$ = -5.72±0.07			-5.88±0.18		...
-	4251.15	+0.35	VA	12	-5.72	9	-5.76	...	...
	4254.08	-0.23	VA	5	-5.63	...	...	...	...
	4255.72	+0.68	JS	16	-5.79	10	-6.01	...	...
Sr II				log Sr/N$_T$ = -7.94±0.21			-8.08±0.14		-6.38±0.11
1	4077.71	+0.15	WM	46	-7.79	42	-8.16	160	-6.27
	4215.52	-0.17	WM	30	-8.10	34	-8.15	119	-6.33
3	4161.79	-0.50	KX	...	...	3	-7.92	47	-6.37
	4305.54	-0.14	KX	...	...	...	...	49	-6.57
Y II				log Y/N$_T$ = -7.61±0.22			-6.82±0.23		-6.82±0.24
1	4204.70	-1.76	HL	...	...	18	-6.75	26	-7.15
5	4235.73	-1.50	HL	5	-7.46	32	-6.46	...	...
	4309.62	-0.75	HL	13	-7.63	39	-6.90	62	-6.62
	4358.73	-1.32	HL	6	-7.55	25	-6.91	...	...
	4398.02	-1.00	HL	10	-7.59	36	-6.82	56	-6.66
	4422.59	-1.27	HL	7	-7.48	27	-6.88	58	-6.35
6	3950.35	-0.49	HL	21	-7.62	43	-7.02	59	-6.97
	3982.59	-0.49	HL	20	-7.64	40	-7.15	56	-7.11

Table 6. - *continued*

				υ Her		ϕ Her		HR 7018	
Mult.	λ(Å)	log gf	Ref.	W$_\lambda$(mÅ)	log N/N$_T$	W$_\lambda$(mÅ)	log N/N$_T$	W$_\lambda$(mÅ)	log N/N$_T$
Y II	*(continued)*								
7	3822.89	-0.34	HL	12	-8.09	...	...	60	-7.00
	3878.29	-1.49	HL	...	...	26	-6.63	...	...
	3934.14	-1.16	HL	...	...	16	-7.28	...	...
12	4682.32	-1.51	HL	...	...	19	-6.76	38	-6.78
13	4374.93	+0.16	HL	26	-7.95	...	...	...	...
14	4124.91	-1.50	HL	10	-7.15	...	...	...	...
16	3930.66	-1.61	HL	4	-7.28	19	-6.64	...	...
	3951.59	-1.98	HL	...	...	9	-6.73	24	-6.75
20	5087.42	-0.17	HL	...	...	51	-6.50	...	...
22	4883.68	+0.07	HL	28	-7.45	54	-6.61	...	...
Zr II				log Zr/N$_T$ = -8.11			-7.33±0.25		-8.07±0.29
1	3843.00	-0.64	KX	...	...	...	...	10	-8.55
10	3915.94	-0.82	KX	...	...	17	-7.44	13	-8.55
15	4211.91	-0.98	GB	...	...	16	-7.33	8	-8.29
16	3958.24	-0.31	KX	...	...	29	-7.51	14	-8.59
	3998.95	-0.67	GB	...	...	28	-7.18	24	-7.88
18	3855.43	-1.26	KX	...	...	3	-7.82	...	...
28	4273.52	-1.40	KX	...	...	7	-7.28	...	...
29	4090.53	-1.10	GB	...	...	12	-7.27	...	...
	4156.28	-0.71	GB	...	...	21	-7.30	13	-8.19
	4224.27	-1.40	KX	...	...	4	-7.47	...	...
30	3991.16	-0.25	KX	...	...	29	-7.44	19	-8.36
	4045.64	-0.60	KX	...	...	22	-7.36	...	...
40	4208.99	-0.46	BG	...	...	29	-7.27	...	...
	4277.37	-1.40	KX	...	...	3	-7.59	...	...
	4496.98	-0.81	GB	...	...	...	...	11	-8.19
41	4149.22	-0.03	BG	...	...	...	...	26	-8.33
	4208.99	-0.46	BG	...	...	...	...	22	-8.07
42	4034.10	-1.55	BG	...	...	4	-7.46	...	...
	4161.20	-0.72	BG	...	...	32	-6.94	22	-8.07
43	4050.32	-1.00	BG	...	...	12	-7.36	11	-7.95
54	4018.37	-0.99	KX	...	...	8	-7.50	...	...
	4040.24	-1.53	KX	...	...	7	-7.00	...	...
67	4461.22	-1.18	KX	...	...	...	...	14	-7.50
	4613.97	-1.52	BG	...	...	3	-7.45	...	...
69	4286.54	-1.53	KX	...	...	3	-7.37	...	...
	4399.44	-1.90	KX	...	...	2	-7.35	...	...
79	4359.72	-0.56	GB	...	...	...	...	17	-7.86
	4370.95	-0.71	GB	...	...	17	-7.20	11	-8.00
	4414.54	-1.17	KX	...	...	11	-7.02	8	-7.70
	4440.45	-1.19	GB	...	...	11	-6.99	...	...
	4457.42	-0.80	KX	...	...	7	-7.61	10	-7.95
	4461.22	-1.18	KX	...	...	18	-6.81	...	...
	4495.44	-1.20	KX	...	...	4	-7.53	...	...
80	4222.41	-0.90	KX	...	...	4	-7.77	...	...
88	4308.94	-0.80	KX	...	...	3	-7.84	...	...
	4379.74	-0.36	KX	3	-8.11	...	...	...	...
	4443.01	-0.33	KX	...	...	22	-7.24	15	-8.05
97	4210.34	-0.80	KX	...	...	5	-7.51	...	...
99	4179.81	-0.78	KX	...	...	14	-7.03	...	...
	4231.64	-1.02	KX	...	...	7	-7.08	...	...
129	4685.19	-0.90	KX	...	...	5	-7.04	...	...
132	4333.25	-0.60	KX	...	...	4	-7.52	...	...
138	4601.95	-1.30	KX	...	...	2	-7.07	...	...

Table 6. - *continued*

				υ Her		ϕ Her		HR 7018	
Mult.	λ(Å)	log gf	Ref.	W_λ(mÅ)	log N/N_T	W_λ(mÅ)	log N/N_T	W_λ(mÅ)	log N/N_T
Zr II	*(continued)*								
139	4629.07	-0.59	KX	...	...	9	-7.07	...	...
Ba II				log Ba/N_T = -8.79			-7.72		-9.59
1	4554.03	0.16	WM	8	-8.79	34	-7.72	9	-9.59
Ce II				log Ce/N_T = ...			-7.66		...
1	4186.60	0.81	MC	...	...	15	-7.66	...	...
Hg I				log Hg/N_T = -5.98			-6.18		...
1	4358.34	-0.47	WM	4	-5.98	4	-6.18	...	...
Hg II				log Hg/N_T = -5.77			-6.44		-5.62
-	3983.96	-1.73	DW	99	-5.77	57	-6.44	100	-5.62

Note: gf value references follow:
BG = Biemont et al. (1989) for V II; Biemont et al. (1981) for Zr II
BK = Biemont et al. (1982)
GB = Gevesse et al. (1981)
FW = Fuhr & Wiese (1990)
HL = Hannaford et al. (1982)
JK = Jönsson et al. (1984)
JS = Jugaku et al. (1971)
KX = Kurucz & Bell (1995)
LA = Lanz & Artru (1985)
LD = Lawler & Dakin (1989)
MF = Fuhr, Martin & Wiese (1988) and Martin, Fuhr & Wiese (1988)
MC = Magazzu & Cowley (1986)
VA = from Vienna Atomic Line Database
WF = Wiese, Fuhr & Deters (1996)
WM = Wiese & Martin (1980)
WS = Wiese, Smith & Glennon (1966) and Wiese, Smith & Miles (1969)