Table 5. Elemental Abundances from Newly Measured Lines

Mult.	$\lambda(\AA)$	log gf	Ref.	W_λ	log N/N_T
μ Lep					
O I			log (O/N_T)	=	-2.55 ± 0.18
1	7771.94	+0.37	WF	142	-2.39
	7774.17	+0.22	WF	130	-2.50
	7777.53	+0.00	WF	107	-2.74
14 Hya					
O I			log (O/N_T)	=	-3.10 ± 0.22
11	5436.86	-1.40	WF	7	-3.26
12	5330.74	-0.88	WF	36	-2.95
Mg I			log (Mg/N_T)	=	-4.92
2	5183.60	-0.16	WS	13	-4.92
P II			log (P/N_T)	=	-5.65 ± 0.37
10	5253.47	+0.29	KX	17	-5.57
S II			log (S/N_T)	=	-4.73 ± 0.16
6	5428.66	-0.01	WS	9	-4.89
	5432.82	+0.31	WS	19	-4.63
	5453.86	+0.56	WS	17	-4.97
	5473.61	-0.12	WS	10	-4.67
11	5606.15	+0.16	WS	12	-4.73
	5639.98	+0.33	WS	18	-4.44
Ti II			log (Ti/N_T)	=	-5.75 ± 0.32
69	5336.78	-1.70	MF	29	-5.71
	5381.02	-2.08	MF	16	-5.18
70	5154.06	-1.92	MF	36	-5.30
	5185.91	-1.35	MF	37	-5.70
	5188.68	-1.21	MF	44	-5.81
	5226.54	-1.30	MF	37	-5.92
86	5129.15	-1.39	MF	21	-6.07
103	5211.54	-1.36	KX	14	-6.02
	5268.62	-1.62	MF	6	-6.15
Cr II			log (Cr/N_T)	=	-5.62 ± 0.28
23	5249.40	-2.43	KX	12	-5.58
43	5232.50	-2.09	KX	13	-5.70
	5237.33	-1.16	MF	50	-5.55
	5308.41	-1.81	MF	18	-5.80
	5313.56	-1.65	MF	27	-5.68
	5334.99	-1.56	KX	16	-6.15
87	6089.69	-1.26	KX	15	-5.23
Mn II			log (Mn/N_T)	=	-4.48 ± 0.26
I	5102.52	-1.93	KX	31	-4.42
	5123.33	-1.88	KX	34	-4.37
	5177.65	-1.77	KX	50	-4.00
	5295.40	-0.66	KX	63	-4.21
	5302.44	+1.00	KX	71	-4.28
	5501.08	-1.75	KX	11	-5.00
	5511.55	-1.90	KX	24	-4.37
	5559.05	-1.32	KX	52	-4.27
	5561.43	-2.42	KX	12	-4.44
	5570.54	-1.44	KX	54	-4.10
	5578.13	-1.40	KX	55	-4.08
	5752.23	-1.94	KX	12	-4.67
	5826.29	-1.77	KX	14	-4.73
	6105.28	-0.46	KX	12	-4.34
	6122.45	+0.95	KX	69	-4.18

Table 5. - *continued*

Mult.	$\lambda(\AA)$	log gf	Ref.	W_λ	log N/N_T
14 Hya					
Fe II			log (Fe/N_T)	=	-4.82 ± 0.29
J	5093.58	+0.11	KX	14	-4.52
	5097.27	+0.31	KX	21	-4.45
	5145.78	-0.17	KX	9	-4.50
	5149.46	+0.40	KX	12	-4.89
	5169.03	-0.87	MF	74	-5.29
	5197.56	-2.10	MF	26	-5.32
	5216.85	+0.81	KX	15	-5.10
	5227.48	+0.80	KX	36	-4.39
	5234.62	-2.05	MF	35	-5.12
	5247.95	+0.63	KX	15	-4.90
	5254.93	-3.23	KX	8	-4.91
	5260.26	+1.07	KX	24	-5.07
	5276.00	-1.94	MF	29	-5.41
	5272.39	-2.03	KX	11	-4.62
	5284.10	-3.19	MF	9	-5.02
	5318.05	-0.14	KX	9	-4.48
	5325.56	-2.60	MF	12	-5.29
	5339.59	+0.54	KX	12	-4.97
	5362.87	-2.74	KX	35	-4.44
	5387.06	+0.52	KX	14	-4.83
	5395.86	+0.36	KX	6	-5.09
	5402.06	+0.50	KX	15	-4.77
	5429.99	+0.46	KX	11	-4.89
	5506.20	+0.95	MF	27	-4.76
	5534.83	-2.93	MF	21	-4.62
	5780.12	+0.32	KX	11	-4.68
Y II			log (Y/N_T)	=	-7.05 ± 0.24
20	5200.41	-0.57	HL	17	-7.20
	5205.72	-0.34	HL	27	-7.06
27	5497.41	-0.58	HL	21	-6.67
38	5662.92	+0.16	HL	28	-7.04
κ Cnc					
O I			log (O/N_T)	=	-3.47 ± 0.33
12	5330.74	-0.88	WF	27	-3.01
Ne I			log (Ne/N_T)	=	-3.39 ± 0.24
1	6143.06	-0.35	WS	31	-3.07
3	6074.34	-0.45	WS	19	-3.49
6	5842.49	-0.43	WS	15	-3.63
P II			log (P/N_T)	=	-4.52 ± 0.25
5	6024.18	+0.14	KX	87	-4.13
	6034.04	-0.21	KX	65	-4.14
	6043.08	+0.38	KX	91	-4.29
6	5344.73	-0.33	KX	50	-4.41
	5409.72	-0.37	KX	52	-4.31
	5425.88	+0.24	KX	74	-4.47
	5499.70	-0.50	KX	40	-4.41
7	5152.22	-1.60	KX	9	-4.47
	5191.39	-0.82	KX	43	-3.99
	5296.07	-0.13	KX	67	-4.26
23	5483.52	-0.70	KX	12	-4.18
	5541.14	-0.34	KX	11	-4.61
	5583.24	+0.10	KX	15	-4.89
27	5727.70	-0.67	KX	11	-4.20

Table 5. - *continued*

Mult.	$\lambda(\AA)$	log gf	Ref.	W_λ	log N/N_T
κ Cnc					
P II	*(continued)*				
S	5378.19	-0.06	KX	13	-4.80
	5437.36	-0.39	KX	5	-4.61
	5461.18	+0.47	KX	21	-4.62
Sc II			log (Sc/N_T)	=	-8.13 $\pm$ 0.29
29	5657.90	-0.50	MF	4	-7.62
Cr II			log (Cr/N_T)	=	-6.28 $\pm$ 0.18
43	5237.33	-1.16	MF	14	-6.25
	5274.96	-1.29	KX	9	-6.34
	5334.87	-1.56	KX	9	-6.10
50	5478.36	-1.91	KX	5	-5.96
Mn II			log (Mn/N_T)	=	-4.35 $\pm$ 0.27
I	5251.82	-1.83	KX	19	-4.09
	5295.40	+0.66	KX	69	-3.87
	5302.44	+1.00	KX	80	-3.96
	5307.35	-2.07	KX	11	-4.18
	5343.09	-0.59	KX	4	-3.88
	5421.92	-2.18	KX	33	-3.72
	5501.08	-1.75	KX	20	-4.38
	5511.55	-1.90	KX	22	-4.17
	5559.05	-1.32	KX	51	-4.01
	5561.43	-2.42	KX	19	-3.90
	5570.54	-1.44	KX	56	-3.72
	5752.23	-1.94	KX	20	-4.11
	5826.29	-1.77	KX	23	-4.16
	6040.36	-2.19	KX	11	-4.07
	6050.38	-0.79	KX	11	-3.94
	6051.95	-0.90	KX	5	-4.26
	6101.36	-2.56	KX	11	-3.77
	6107.20	-0.97	KX	9	-3.88
	6122.45	+0.95	KX	71	-3.93
	6125.88	+0.78	KX	55	-4.13
	6131.94	+0.05	KX	28	-4.19
Fe II			log (Fe/N_T)	=	-4.38 $\pm$ 0.25
J	5113.00	-0.49	KX	9	-4.14
	5115.06	-0.45	KX	9	-4.20
	5117.01	-0.13	KX	10	-4.42
	5143.88	+0.10	KX	8	-4.80
	5144.36	+0.28	KX	21	-4.37
	5145.78	-0.17	KX	26	-3.76
	5149.46	+0.40	KX	27	-4.29
	5150.49	-0.12	KX	18	-4.09
	5160.84	-2.64	KX	16	-3.80
	5169.03	-0.87	MF	88	-4.68
	5170.78	-0.36	KX	10	-4.21
	5177.02	-0.18	KX	24	-3.85
	5180.31	+0.04	KX	17	-4.32
	5197.56	-2.10	MF	52	-4.32
	5199.12	+0.10	KX	17	-4.37
	5200.81	-0.37	KX	11	-4.12
	5203.64	-0.05	KX	19	-4.14
	5215.34	-0.10	KX	25	-3.87
	5215.83	-0.23	KX	22	-3.88
	5216.85	+0.81	KX	31	-4.54
	5218.84	-0.20	KX	12	-4.28

Table 5. - *continued*

Mult.	$\lambda(\AA)$	log gf	Ref.	W_λ	log N/N_T
κ Cnc					
Fe II	*(continued)*				
	5222.36	-0.33	KX	12	-4.08
	5223.23	-0.41	KX	17	-3.84
	5234.62	-2.05	MF	60	-4.13
	5237.95	+0.14	KX	22	-4.18
	5247.95	+0.63	MF	43	-3.98
	5251.23	+0.51	KX	32	-4.19
	5254.93	-3.23	KX	17	-4.24
	5257.12	+0.03	KX	21	-4.09
	5260.26	+1.07	KX	60	-3.98
	5264.18	+0.36	KX	34	-4.02
	5264.81	-3.19	MF	25	-4.04
	5276.00	-1.94	MF	52	-4.48
	5291.67	+0.58	KX	31	-4.30
	5306.18	+0.22	KX	25	-4.13
	5315.56	-1.46	KX	10	-4.03
	5318.05	-0.14	KX	13	-4.22
	5318.75	-0.57	KX	8	-4.07
	5322.34	-0.52	KX	10	-4.02
	5347.18	-0.28	KX	11	-4.12
	5355.42	-0.41	KX	7	-4.28
	5358.87	-0.30	KX	6	-4.47
	5366.21	-0.27	KX	6	-4.49
	5370.28	-0.54	KX	12	-3.89
	5395.86	+0.36	KX	24	-4.25
	5402.06	+0.50	KX	31	-4.19
	5405.10	-0.27	KX	10	-4.19
	5408.81	-2.39	KX	7	-4.29
	5411.36	-0.44	KX	10	-4.04
	5414.05	-3.79	MF	5	-4.37
	5414.85	-0.31	KX	9	-4.24
	5427.82	-1.66	KX	14	-4.34
	5429.99	+0.46	KX	21	-4.46
	5442.35	-0.30	KX	7	-4.37
	5444.39	-0.18	KX	20	-3.86
	5445.81	-0.11	KX	11	-4.33
	5455.93	-0.52	KX	14	-3.81
	5457.72	-0.17	KX	8	-4.37
	5475.83	-0.18	KX	14	-4.12
	5479.41	-0.42	KX	6	-4.35
	5482.31	+0.43	KX	27	-4.24
	5487.62	+0.36	KX	29	-4.06
	5488.78	-0.47	KX	5	-4.35
	5493.83	+0.21	KX	29	-3.98
	5502.68	-0.14	KX	10	-4.35
	5506.20	+0.95	MF	45	-4.21
	5510.78	0.00	KX	24	-3.91
	5529.06	-0.25	KX	4	-4.64
	5529.93	-1.87	KX	6	-4.58
	5532.09	-0.33	KX	12	-4.05
	5534.85	-2.93	MF	30	-4.10
	5544.20	-0.23	KX	11	-4.17
	5544.76	+0.12	KX	17	-4.28
	5548.21	-0.51	KX	6	-4.23
	5549.00	-0.23	KX	10	-4.26

Table 5. - *continued*

Mult.	$\lambda(\AA)$	log gf	Ref.	W_λ	log N/N_T
κ Cnc					
Fe II	*(continued)*				
	5563.40	-0.57	KX	5	-4.26
	5567.84	-1.89	KX	8	-4.38
	5579.92	-0.55	KX	6	-4.13
	5587.11	-2.18	KX	7	-4.14
	5645.40	+0.08	KX	18	-4.18
	5648.90	-0.24	KX	11	-4.17
	5651.58	-0.58	KX	9	-3.88
	5660.15	-0.41	KX	9	-4.08
	5691.00	-0.20	KX	11	-4.16
	5746.58	-0.37	KX	12	-3.94
	5755.45	-0.45	KX	4	-4.41
	5776.76	-0.58	KX	8	-3.93
	5780.13	+0.32	KX	28	-4.02
	5783.63	+0.21	KX	18	-4.22
	5784.48	+0.06	KX	10	-4.40
	5811.63	-0.49	KX	5	-4.27
	5813.82	-1.94	KX	8	-3.86
	5830.34	-0.27	KX	5	-4.45
	5835.49	-2.37	KX	8	-4.24
	5854.19	-0.19	KX	7	-4.36
	5871.77	+0.02	KX	15	-4.09
	6045.46	-2.42	KX	11	-3.88
	6060.98	-1.68	KX	5	-4.34
7 Sex					
C I			log (C/N_T)	=	-3.35 $\pm$ 0.07
11	5380.34	-1.62	WF	14	-3.42
18.01	5039.07	-1.79	WF	11	-3.25
O I			log (O/N_T)	=	-3.00 $\pm$ 0.31
11	5436.86	-1.40	WF	6	-3.49
12	5330.74	-0.98	WF	49	-2.75
22	6046.40	-1.29	WF	23	-2.71
Mg I			log (Mg/N_T)	=	-3.98 $\pm$ 0.09
2	5167.32	-1.03	WS	85	-3.82
	5172.68	-0.38	WS	104	-4.08
	5183.60	-0.16	WS	121	-3.96
9	5528.39	-0.62	KX	44	-3.98
S II			log (S/N_T)	=	-4.24 $\pm$ 0.38
6	5453.86	+0.56	WS	7	-4.79
11	5606.15	+0.16	WS	4	-4.64
14	5639.98	+0.33	WS	13	-3.90
Ca I			log (Ca/N_T)	=	-4.98 $\pm$ 0.31
21	5594.46	-0.05	WS	10	-4.66
Ti II			log (Ti/N_T)	=	-6.79 $\pm$ 0.25
69	5336.78	-1.70	MF	17	-6.93
	5381.02	-2.08	MF	28	-6.27
70	5185.91	-1.35	MF	37	-6.64
	5188.68	-1.21	MF	42	-6.86
86	5129.15	-1.39	MF	27	-6.79
113	5072.28	-0.75	MF	12	-7.15
Cr I			log (Cr/N_T)	=	-5.74 $\pm$ 0.09
7	5204.51	-0.21	MF	14	-5.62
	5206.04	+0.02	MF	18	-5.72
	5208.42	+0.16	MF	25	-5.68

Table 5. - *continued*

Mult.	$\lambda(\mathring{A})$	log gf	Ref.	W_λ	log N/N_T
7 Sex					
Cr II			log (Cr/N_T)	=	-6.03 ± 0.29
23	5407.62	-2.09	KX	14	-6.18
43	5237.34	-1.16	MF	54	-6.02
	5274.96	-1.29	KX	44	-6.09
	5308.84	-1.81	MF	9	-6.51
	5310.70	-2.28	MF	8	-6.11
	5313.16	-1.65	MF	31	-6.00
	5334.88	-1.56	KX	21	-6.35
	5337.79	-2.03	KX	25	-5.77
50	5478.35	-1.91	KX	20	-5.97
Fe I			log (Fe/N_T)	=	-4.17 ± 0.25
15	5269.54	-1.32	MF	42	-3.94
	5371.49	-1.64	MF	24	-3.95
	5405.79	-1.84	MF	27	-3.66
	5455.61	-1.75	KX	24	-3.82
283	5139.47	-0.57	KX	30	-3.74
553	5324.18	-0.24	MF	25	-4.02
686	5572.85	-0.31	MF	9	-4.41
	5586.76	-0.21	MF	25	-3.94
1146	5364.87	+0.22	MF	9	-4.34
	5367.48	+0.35	MF	11	-4.36
	5383.37	+0.50	MF	27	-4.07
1163	5463.27	+0.11	MF	17	-3.89
1165	5404.11	+0.54	KX	25	-4.18
Fe II			log (Fe/N_T)	=	-4.36 ± 0.23
J	5061.72	+0.22	KX	13	-4.55
	5070.90	+0.24	KX	15	-4.48
	5075.76	+0.28	KX	17	-4.40
	5082.23	-0.10	KX	7	-4.51
	5089.21	-0.04	KX	11	-4.42
	5093.58	+0.11	KX	21	-4.10
	5097.27	+0.31	KX	27	-4.13
	5106.11	-0.19	KX	5	-4.67
	5117.03	-0.13	KX	6	-4.61
	5127.86	-2.53	KX	18	-4.10
	5144.36	+0.28	KX	20	-4.27
	5149.46	+0.40	KX	24	-4.24
	5160.84	-2.64	KX	18	-4.00
	5169.03	-0.87	MF	128	-4.82
	5180.31	+0.04	KX	9	-4.55
	5194.89	-0.15	KX	23	-3.72
	5197.56	-2.10	MF	74	-4.57
	5199.12	+0.10	KX	15	-4.31
	5200.80	-0.37	KX	8	-4.16
	5216.85	+0.81	KX	26	-4.55
	5214.00	-0.22	KX	7	-4.35
	5223.23	-0.41	KX	6	-4.32
	5227.49	+0.80	KX	50	-3.94
	5234.62	-2.05	MF	84	-4.38
	5237.95	+0.14	KX	14	-4.36
	5247.95	+0.63	MF	15	-4.75
	5251.24	+0.51	KX	25	-4.28
	5253.64	-0.09	KX	19	-3.91
	5254.93	-3.23	KX	40	-4.14
	5257.12	+0.03	KX	19	-4.00

Table 5. - *continued*

Mult.	$\lambda(\AA)$	log gf	Ref.	W_λ	log N/N_T
7 Sex					
Fe II	*(continued)*				
	5260.26	+1.07	KX	41	-4.45
	5272.40	-2.03	MF	27	-4.11
	5276.00	-1.94	MF	86	-4.45
	5284.10	-3.19	MF	56	-4.07
	5291.67	+0.58	KX	24	-4.38
	5306.18	+0.22	KX	20	-4.11
	5315.56	-1.46	KX	15	-3.85
	5318.05	-0.14	KX	16	-3.93
	5325.56	-2.60	MF	55	-4.48
	5339.59	+0.54	KX	44	-3.80
	5358.87	-0.30	KX	8	-4.18
	5375.84	-0.29	KX	13	-3.92
	5387.06	+0.52	KX	25	-4.24
	5395.86	+0.36	KX	15	-4.42
	5414.05	-3.79	MF	12	-4.32
	5425.25	-3.36	MF	30	-4.24
	5427.82	-1.66	KX	16	-4.37
	5429.99	+0.46	KX	30	-4.00
	5439.71	-2.31	KX	10	-3.97
	5442.35	-0.30	KX	6	-4.29
	5475.83	-0.18	KX	4	-4.63
	5482.31	+0.43	KX	20	-4.28
	5487.62	+0.36	KX	19	-4.23
	5503.21	-0.09	KX	20	-3.79
	5506.19	+0.95	MF	33	-4.42
	5529.06	-0.25	KX	13	-3.89
	5534.83	-2.93	MF	57	-4.06
	5544.76	+0.12	KX	26	-3.79
	5567.84	-1.89	KX	6	-4.65
	5577.92	-0.14	KX	8	-4.25
	5588.22	+0.09	KX	13	-4.17
	5645.40	+0.08	KX	11	-4.28
	5746.58	-0.37	KX	10	-3.84
	5747.89	-2.91	KX	10	-3.99
	5780.13	+0.32	KX	15	-4.26
	5783.63	+0.21	KX	11	-4.29
	5784.48	+0.06	KX	7	-4.42
	6045.46	-2.42	KX	6	-4.34
Y II			log (Y/N_T)	=	-9.20 $\pm$ 0.25
21	5123.21	-0.83	HL	3	-8.96
38	5662.92	+0.16	HL	5	-9.20
HR 4487					
Al I			log (Al/N_T)	=	-4.40 $\pm$ 0.11
1	7835.31	-0.65	KX	5	-4.32
	7836.13	-0.49	KX	5	-4.48
P II			log (P/N_T)	=	-5.46 $\pm$ 0.33
5	6024.18	+0.14	KX	11	-5.34
	6043.08	+0.38	KX	6	-5.91
M	7845.61	-0.06	KX	4	-5.14
Ca I			log (Ca/N_T)	=	-4.11 $\pm$ 0.27
21	5594.46	-0.05	WS	13	-3.90
	5598.48	-0.22	WS	13	-3.71
47	5857.45	+0.23	WS	6	-4.30

Table 5. - *continued*

Mult.	$\lambda(\AA)$	log gf	Ref.	W_λ	log N/N_T
HR 4487					
Cr II			log (Cr/N_T)	=	-5.48 ± 0.32
189	5620.63	-1.14	KX	11	-5.62
Mn II			log (Mn/N_T)	=	-5.17 ± 0.26
I	5901.72	-1.60	KX	9	-5.22
	6105.28	-0.46	KX	2	-5.18
	6125.88	+0.78	KX	25	-5.15
	6128.74	+0.59	KX	32	-4.72
Fe I			log (Fe/N_T)	=	-4.14 ± 0.29
686	5615.65	-0.14	MF	19	-3.78
Fe II			log (Fe/N_T)	=	-4.49 ± 0.27
J	5645.40	+0.08	KX	8	-4.51
	5780.13	+0.32	KX	11	-4.47
	5783.63	+0.21	KX	9	-4.51
	5784.48	+0.06	KX	6	-4.58
	5813.82	-1.94	KX	4	-4.18
	5842.30	-0.21	KX	7	-4.21
	5854.19	-0.19	KX	14	-3.77
	5871.77	+0.02	KX	4	-4.70
	5902.82	+0.42	KX	14	-4.40
	5952.51	-2.03	KX	8	-4.69
	5961.71	+0.70	KX	15	-4.64
	7711.71	-2.54	KX	17	-4.71
Y II			log (Y/N_T)	=	-7.02 ± 0.39
34	5728.89	-1.12	HL	29	-6.44
	5781.69	-0.91	KX	19	-6.95
Hg I			log (Hg/N_T)	=	-6.56 ± 0.10
1	5460.74	+0.45	WM	12	-6.49
5	5799.90	+0.63	KX	3	-6.63
HR 4817					
P II			log (P/N_T)	=	-6.10 ± 0.27
5	6024.18	+0.14	KX	10	-5.91
	6034.04	-0.21	KX	4	-6.07
	6043.08	+0.38	KX	15	-5.89
S II			log (S/N_T)	=	-4.99 ± 0.20
14	5639.98	+0.33	WS	14	-4.81
	5647.02	+0.11	WS	8	-5.03
Mn II			log (Mn/N_T)	=	-4.94 ± 0.25
I	5752.23	-1.94	KX	15	-4.41
	5826.29	-1.77	KX	23	-4.30
	6105.28	-0.46	KX	16	-4.11
	6122.45	+0.95	KX	81	-3.77
	6050.38	-0.79	KX	8	-4.21
	6122.83	+0.08	KX	20	-4.55
	6125.88	+0.78	KX	53	-4.26
	6131.94	+0.05	KX	36	-4.00
Fe II			log (Fe/N_T)	=	-4.94 ± 0.25
J	5588.22	+0.09	KX	4	-4.98
	5645.40	+0.08	KX	9	-4.60
	5780.13	+0.32	KX	8	-4.84
	5783.63	+0.21	KX	3	-5.20
	5885.02	+0.32	KX	8	-4.80
	6045.46	-2.42	KX	4	-4.45
	6069.67	-0.37	KX	4	-4.49
	6071.43	-0.19	KX	3	-4.77

Table 5. - *continued*

Mult.	$\lambda(\AA)$	log gf	Ref.	W_λ	log N/N_T
3 Cen A					
N II			log (N/N_T)	=	-3.91 ± 0.29
3	5666.63	-0.04	WF	34	-3.45
	5676.02	-0.37	WF	18	-3.76
	5679.56	+0.25	WF	47	-3.39
	5686.21	-0.55	WF	12	-3.79
	5710.77	-0.52	WF	17	-3.65
9	5747.30	-1.08	WF	3	-4.05
O I			log (O/N_T)	=	-3.67 ± 0.16
1	7771.94	+0.37	WF	54	-3.51
	7774.17	+0.22	WF	43	-3.61
	7777.53	+0.00	WF	26	-3.90
Ne I			log (Ne/N_T)	=	-3.56 ± 0.12
1	5944.83	-0.56	WS	29	-3.33
	5881.90	-0.70	WS	17	-3.60
3	6030.00	-0.99	WS	9	-3.59
	6074.34	-0.45	WS	27	-3.46
6	5842.49	-0.43	WS	22	-3.63
13	5748.30	-1.02	KX	2	-3.72
	5764.42	-0.37	KX	9	-3.62
P II			log (P/N_T)	=	-4.85 ± 0.27
17	6043.08	+0.38	KX	107	-4.20
23	5541.14	-0.34	KX	10	-4.82
Mn II			log (Mn/N_T)	=	-4.81 ± 0.22
I	5570.54	-1.44	KX	5	-4.68
Fe II			log (Fe/N_T)	=	-4.31 ± 0.27
J	5510.78	0.00	KX	9	-4.07
	5529.92	-1.88	KX	2	-4.21
	5534.85	-2.93	KX	6	-4.01
	5544.76	+0.12	KX	14	-3.95
	5645.40	+0.08	KX	9	-4.10
	5648.90	-0.24	KX	2	-4.53
	5726.55	-0.02	KX	2	-4.60
	5780.13	+0.32	KX	11	-4.19
	5783.63	+0.21	KX	5	-4.48
	5871.77	+0.02	KX	2	-4.71
	5902.82	+0.42	KX	15	-4.12
	5961.71	+0.70	KX	15	-4.39
Fe III			log (Fe/N_T)	=	-4.24 ± 0.24
114	4733.94	+0.62	KX	14	-3.97
28 Her					
P II			log (P/N_T)	=	-5.58 ± 0.18
5	6024.18	+0.14	KX	10	-5.36
	6034.04	-0.21	KX	4	-5.55
	6043.08	+0.38	KX	8	-5.73
S II			log (S/N_T)	=	-4.46 ± 0.30
14	5639.98	+0.33	WS	6	-4.68
Mn II			log (Mn/N_T)	=	-5.49 ± 0.31
I	6125.88	+0.78	KX	19	-5.31
	6128.74	+0.59	KX	18	-5.16
	6130.80	+0.35	KX	11	-5.26
Fe I			log (Fe/N_T)	=	-4.44 ± 0.19
686	5572.84	-0.31	MF	5	-4.35

Table 5. - *continued*

Mult.	$\lambda(\AA)$	log gf	Ref.	W_λ	log N/N_T
28 Her					
Fe II			log (Fe/N_T)	=	-4.40 ± 0.23
J	5645.40	+0.08	KX	15	-4.16
	5648.90	-0.24	KX	12	-3.96
	5660.15	-0.41	KX	5	-4.25
	5737.90	-0.54	KX	6	-3.92
	5755.45	-0.45	KX	5	-4.15
	5780.13	+0.32	KX	28	-3.75
	5783.63	+0.21	KX	11	-4.35
	5784.45	+0.06	KX	6	-4.54
	5813.82	-1.94	KX	5	-4.06
	6017.89	-1.95	KX	3	-4.21
	6049.45	-0.42	KX	9	-3.80
	6045.46	-2.42	KX	6	-4.33
Y II			log (Y/N_T)	=	-6.69 ± 0.27
34	5728.89	-1.12	HL	27	-6.47
	5781.69	-0.91	KX	16	-7.09
38	5662.92	+0.16	HL	64	-6.16
HR 7245					
C II			log (C/N_T)	=	-3.88 ± 0.21
2	6578.05	-0.03	FW	20	-4.00
	6582.88	-0.33	FW	15	-3.89
O I			log (O/N_T)	=	-3.25 ± 0.14
9	6453.60	-1.29	FW	10	-3.07
	6454.45	-1.07	FW	10	-3.29
12	5329.11	-1.34	FW	10	-3.16
	5329.69	-1.06	FW	15	-3.22
	5330.74	-0.88	FW	20	-3.27
22	6046.40	-1.29	FW	3	-3.55
Ne I			log (Ne/N_T)	=	-4.61
2	6402.25	+0.36	KX	8	-4.61
Mg I			log (Mg/N_T)	=	-4.46 ± 0.16
2	5172.68	-0.38	WS	17	-4.35
	5183.60	-0.16	WS	17	-4.57
P II			log (P/N_T)	=	-5.24 ± 0.24
5	6024.18	+0.14	KX	29	-5.12
	6034.04	-0.21	KX	18	-5.19
	6043.08	+0.38	KX	44	-4.95
	6087.84	-0.44	KX	12	-5.19
6	5344.74	-0.33	KX	17	-5.27
	5409.72	-0.37	KX	15	-5.30
	5425.88	+0.24	KX	29	-5.42
	5499.70	-0.50	KX	10	-5.38
7	5191.39	-0.82	KX	11	-5.01
	5296.07	-0.13	KX	34	-4.76
23	5450.17	-0.05	KX	3	-5.42
	5541.14	-0.34	KX	3	-5.15
32	6459.94	+0.16	KX	21	-5.20
S II			log (S/N_T)	=	-5.45 ± 0.30
6	5428.66	-0.01	WS	9	-5.07
	5432.82	+0.31	WS	15	-4.98
	5453.86	+0.56	WS	6	-5.80
7	5103.33	-0.28	WM	3	-5.41
11	5606.15	+0.16	WS	2	-5.88
	5640.33	+0.15	KX	4	-5.56

Table 5. - *continued*

Mult.	$\lambda(\AA)$	log gf	Ref.	W_λ	log N/N_T
HR 7245					
S II	*(continued)*				
14	5647.02	+0.11	WS	2	-5.75
39	5212.62	+0.66	KX	6	-5.48
Sc II			log (Sc/N_T)	=	-8.70 ± 0.03
31	5526.80	+0.13	KX	3	-8.68
Ti II			log (Ti/N_T)	=	-3.67 ± 0.16
69	5336.78	-1.70	MF	11	-6.23
	5381.02	-2.08	MF	5	-6.29
70	5188.68	-1.21	MF	20	-6.38
	5226.54	-1.30	MF	24	-6.19
86	5129.15	-1.39	MF	14	-6.25
Cr II			log (Cr/N_T)	=	-5.88 ± 0.26
43	5237.33	-1.16	MF	35	-5.96
	5246.75	-2.45	MF	11	-5.62
	5274.96	-1.29	KX	31	-5.93
	5279.88	-2.10	MF	17	-5.54
	5310.70	-2.28	MF	10	-5.65
	5334.88	-1.56	KX	16	-6.14
50	5478.35	-1.91	KX	14	-5.78
	5508.60	-2.11	MF	8	-5.88
87	6089.69	-1.26	KX	10	-5.43
Mn II			log (Mn/N_T)	=	-4.89 ± 0.30
I	5177.65	-1.77	KX	17	-4.98
	5251.82	-1.83	KX	7	-4.89
	5295.40	+0.66	KX	48	-4.60
	5299.39	+0.83	KX	50	-4.68
	5302.44	+1.00	KX	60	-4.61
	5307.35	-2.07	KX	6	-4.70
	5511.55	-1.90	KX	9	-4.94
	5570.54	-1.44	KX	36	-4.64
	6050.38	-0.79	KX	4	-4.57
	6105.28	-0.46	KX	6	-4.72
	6122.45	+0.95	KX	39	-4.91
	6128.74	+0.59	KX	28	-4.87
	6131.80	+0.35	KX	7	-5.50
	6131.94	+0.05	KX	7	-5.20
	6240.94	-2.09	KX	3	-5.01
	6370.31	-1.66	KX	12	-4.79
	6463.64	+0.24	KX	9	-4.31
	6609.26	-2.05	KX	7	-4.67
Fe II			log (Fe/N_T)	=	-4.53 ± 0.25
42	5169.03	-0.87	MF	89	-4.92
103	5268.61	-1.62	MF	3	-6.44
J	5106.11	-0.19	KX	9	-4.58
	5107.11	-0.72	KX	8	-4.10
	5113.00	-0.50	KX	3	-4.79
	5115.06	-0.45	KX	5	-4.57
	5117.01	-0.13	KX	6	-4.78
	5127.86	-2.53	KX	10	-4.37
	5132.66	-4.18	MF	5	-4.45
	5143.88	+0.10	KX	6	-4.97
	5144.36	+0.28	KX	10	-4.89
	5149.46	+0.40	KX	14	-4.81
	5150.49	-0.12	KX	7	-4.67

Table 5. - *continued*

Mult.	$\lambda(\AA)$	log gf	Ref.	W_λ	log N/N_T
HR 7245					
Fe II	*(continued)*				
	5157.28	-0.31	KX	13	-4.15
	5160.84	-2.64	KX	15	-4.05
	5166.56	-0.03	KX	20	-4.15
	5170.78	-0.36	KX	19	-3.88
	5177.02	-0.18	KX	20	-4.04
	5178.37	-0.59	KX	7	-4.20
	5180.31	+0.04	KX	6	-4.94
	5186.87	-0.30	KX	4	-4.77
	5194.89	-0.15	KX	17	-4.13
	5197.56	-2.10	MF	54	-4.52
	5199.12	+0.10	KX	14	-4.57
	5203.64	-0.05	KX	18	-4.24
	5214.00	-0.22	KX	13	-4.25
	5215.34	-0.10	KX	14	-4.34
	5215.83	-0.23	KX	16	-4.12
	5216.85	+0.81	KX	25	-4.79
	5218.84	-0.20	KX	7	-4.65
	5222.36	-0.33	KX	3	-4.92
	5223.23	-0.41	KX	6	-4.53
	5225.98	-0.40	KX	11	-4.20
	5231.91	-0.64	KX	4	-4.43
	5232.78	-0.06	KX	23	-4.03
	5234.62	-2.05	MF	59	-4.39
	5236.62	-0.70	KX	3	-4.49
	5237.95	+0.14	KX	11	-4.73
	5239.81	-0.46	KX	7	-4.33
	5245.46	-0.51	KX	10	-4.12
	5248.34	-0.60	KX	7	-4.20
	5251.23	+0.51	KX	26	-4.43
	5252.31	-0.36	KX	4	-4.72
	5257.12	+0.03	KX	17	-4.30
	5257.90	-0.71	KX	7	-4.07
	5260.26	+1.07	KX	45	-4.43
	5264.18	+0.36	KX	29	-4.19
	5264.81	-3.19	MF	24	-4.32
	5270.03	+0.07	KX	9	-4.71
	5272.39	-2.03	KX	21	-4.26
	5276.00	-1.94	MF	57	-4.60
	5278.23	-1.15	KX	4	-3.92
	5278.94	-2.41	KX	6	-4.58
	5284.10	-3.19	MF	30	-4.31
	5291.67	+0.58	KX	24	-4.59
	5303.39	-1.61	KX	8	-4.20
	5306.18	+0.22	KX	13	-4.62
	5313.11	-0.64	KX	6	-4.20
	5318.05	-0.14	KX	5	-4.82
	5339.59	+0.54	KX	28	-4.43
	5344.41	-0.68	KX	3	-4.42
	5345.42	-0.41	KX	5	-4.53
	5347.18	-0.28	KX	9	-4.32
	5353.22	-1.10	KX	5	-3.89
	5358.87	-0.30	KX	7	-4.48

Table 5. - *continued*

Mult.	$\lambda(\AA)$	log gf	Ref.	W_λ	log N/N_T
HR 7245					
Fe II	(*continued*)				
	5360.49	-0.60	KX	7	-4.13
	5366.21	-0.27	KX	4	-4.81
	5395.86	+0.50	KX	24	-4.47
	5402.06	+0.50	KX	24	-4.47
	5405.10	-0.27	KX	12	-4.19
	5408.81	-2.39	KX	6	-4.61
	5411.36	-0.44	KX	6	-4.40
	5414.05	-3.79	MF	12	-4.16
	5414.85	-0.31	KX	19	-3.85
	5425.25	-3.36	MF	10	-4.70
	5429.99	+0.46	KX	22	-4.47
	5436.61	-0.95	KX	5	-3.98
	5442.35	-0.30	KX	9	-4.34
	5443.45	-0.59	KX	8	-4.09
	5444.39	-0.18	KX	16	-4.04
	5445.81	-0.11	KX	9	-4.53
	5451.32	-0.81	KX	3	-4.45
	5455.93	-0.52	KX	10	-4.06
	5457.72	-0.17	KX	4	-4.85
	5475.83	-0.18	KX	8	-4.52
	5479.41	-0.42	KX	4	-4.63
	5488.78	-0.47	KX	8	-4.20
	5427.83	-1.66	KX	29	-3.96
	5429.99	+0.46	KX	22	-4.47
	5465.93	+0.52	KX	19	-4.64
	5482.31	+0.43	KX	20	-4.52
	5487.62	+0.36	KX	22	-4.35
	5506.20	+0.95	MF	33	-4.60
	5529.92	-1.88	KX	9	-4.53
	5534.85	-2.93	KX	36	-4.24
	5544.76	+0.12	KX	7	-4.84
	5567.84	-1.89	KX	11	-4.37
	5587.11	-2.18	KX	9	-4.20
	5588.22	+0.09	KX	15	-4.35
	5645.40	+0.08	KX	16	-4.32
	5648.90	-0.24	KX	9	-4.36
	5651.58	-0.58	KX	10	-3.91
	5493.83	+0.21	KX	21	-4.30
	5498.57	-0.39	KX	5	-4.47
	5502.68	-0.14	KX	6	-4.65
	5507.06	-0.32	KX	9	-4.32
	5525.12	-4.61	KX	4	-3.84
	5529.06	-0.25	KX	9	-4.38
	5532.09	-0.33	KX	5	-4.56
	5544.76	+0.12	KX	17	-4.34
	5549.00	-0.23	KX	8	-4.44
	5579.92	-0.55	KX	1	-4.91
	5655.36	-0.72	KX	4	-4.28
	5657.93	-4.10	KX	4	-4.28
	5668.64	-0.71	KX	3	-4.35
	5737.90	-0.54	KX	9	-3.96

Table 5. - *continued*

Mult.	$\lambda(\AA)$	log gf	Ref.	W_λ	log N/N_T
HR 7245					
Fe II	(*continued*)				
	5783.63	+0.21	KX	11	-4.61
	5784.48	+0.06	KX	8	-4.62
	5802.77	-0.61	KX	4	-4.36
	5813.82	-1.94	KX	6	-4.11
	6045.46	-2.42	KX	4	-4.61
	6069.67	-0.37	KX	5	-4.40
	6071.43	-0.19	KX	3	-4.82
	6113.33	-4.16	KX	9	-3.90
	6147.77	-2.72	KX	22	-4.48
	6149.25	-2.72	KX	21	-4.53
	6238.39	-2.63	KX	21	-4.60
	6247.55	-2.33	KX	42	-4.25
	6248.89	-2.70	KX	4	-4.62
	6375.79	-0.08	KX	17	-3.84
	6383.72	-2.27	KX	12	-4.47
	6385.45	-2.62	KX	4	-4.71
	6389.27	-0.79	KX	2	-4.07
	6415.55	-1.69	KX	4	-4.12
	6425.74	-0.54	KX	7	-3.87
	6432.68	-3.71	KX	9	-4.49
	6442.94	-2.88	KX	4	-4.46
	6456.38	-2.08	KX	32	-4.80
	6482.20	-2.27	KX	18	-3.90
	6571.42	+0.07	KX	3	-4.88
	6573.49	-2.42	KX	3	-4.33
	6600.02	+0.30	KX	16	-4.19
	6621.98	-0.42	KX	5	-4.14
	6627.24	-1.61	KX	5	-4.70
	6679.58	-3.12	KX	4	-3.84
Y II			log (Y/N_T)	=	-7.91 ± 0.23
20	5205.72	-0.34	HL	9	-7.72
38	5662.92	+0.16	HL	9	-7.76

gf value sources:
BG = Biemont et al. (1981)
FW = Fuhr & Wiese (1990)
GB = Grevesse et al. (1981)
HL = Hannaford et al. (1982)
KX = Kurucz (1995)
LD = Lawler & Dakin (1989)
MF = Martin et al. (1988) and Fuhr et al. (1988)
WF = Wiese et al. (1996)
WM = Wiese & Martin (1980)
WS = Wiese et al. (1966, 1969)