Table 1. Appendix A: Spectral Line Data for A-type Stars

λ	(RMT)	χ		3591	3593	Ref
N I:						
7423.63	(3)	10.33	-0.69	70	9	zhu
7442.28	(3)	10.33	-0.40	101	11	zhu
7468.29	(3)	10.34	-0.21	*163*	28	zhu
8210.64	(2)	10.33	-0.68	104	...	zhu
8216.28	(2)	10.34	0.09	*281*	37	zhu
8223.07	(2)	10.33	-0.29	138	...	zhu
8242.34	(2)	10.34	-0.26	140	...	zhu
O I:						
6155.99	(10)	10.74	-0.67	77	15	op
6156.78	(10)	10.74	-0.45	104	23	op
6158.19	(10)	10.74	-0.31	124	28	op
Mg I:						
4702.98	(11)	4.35	-0.37	6	...	wm
5172.68	(2)	2.71	-0.38	43	6	wm
5183.60	(2)	2.72	-0.16	62	10	wm
Mg II:						
4390.59	(10)	10.00	-0.53	...	8	wsm
4427.99	(9)	10.00	-1.21	13	...	wsm
4433.99	(9)	10.00	-0.91	24	...	wsm
7877.13	(8)	10.00	0.39	...	31	wsm
7896.37	(8)	10.00	0.65	110	38	wsm
Si II:						
4128.05	(3)	9.84	0.31	188	55	wm
4130.88	(3)	9.84	0.46	196	64	wm
5041.06	(5)	10.07	0.17	156	36	nk
5957.61	(4)	10.07	-0.35	99	17	wm
5978.97	(4)	10.07	-0.06	118	28	wm
6347.09	(2)	8.12	0.23	...	121	wm
6371.36	(2)	8.12	-0.08	...	98	wm
Ti II:						
4395.03	(19)	1.08	-0.66	60	...	mfw
4443.80	(19)	1.08	-0.70	40	...	mfw
4294.10	(20)	1.08	-1.11	49	...	mfw
4468.49	(31)	1.13	-0.60	35	...	mfw
4300.05	(41)	1.18	-0.77	67	...	mfw
4307.90	(41)	1.16	-1.29	40	...	mfw
4012.37	(11)	0.57	-1.61	28	...	mfw
4417.72	(40)	1.16	-1.43	19	...	mfw
4563.76	(50)	1.22	-0.96	33	...	mfw
4571.97	(82)	1.57	-0.53	50	...	mfw
4171.90	(105)	2.60	-0.56	14	...	mfw
Cr II:						
4145.77	(162)	5.32	-1.16	16	...	nk
4224.85	(162)	5.33	-1.06	20	...	sl
4252.62	(31)	3.86	-1.86	17	...	sl
4261.92	(31)	3.86	-1.34	55	...	sl
4275.57	(31)	3.86	-1.47	29	...	sl
4558.66	(44)	4.07	-0.66	171	...	mfw
4565.78	(39)	4.04	-2.11	13	...	mfw

Table 1. Appendix A: *continued*

λ	(RMT)	χ		3591	3593	Ref
Cr II:						
4588.22	(44)	4.07	-0.63	142	...	mfw
4592.09	(44)	4.07	-1.22	51	...	mfw
4616.64	(44)	4.07	-1.36	29	...	sl
4618.83	(44)	4.07	-0.84	91	...	sl
4634.11	(44)	4.07	-0.96	80	...	sl
4812.35	(30)	3.86	-1.80	10	...	mfw
4824.13	(30)	3.87	-1.22	113	...	mfw
4836.22	(30)	3.86	-2.25	16	...	mfw
4848.24	(30)	3.86	-1.14	87	...	mfw
4876.41	(30)	3.86	-1.46	60	...	mfw
Fe I:						
4045.82	(43)	1.48	0.28	54	...	ob
4063.60	(43)	1.56	0.06	33	...	ob
4071.74	(43)	1.61	-0.02	30	...	fmw
4271.76	(42)	1.48	-0.17	14	...	ob
4325.77	(42)	1.61	0.01	42	...	ob
4383.55	(41)	1.48	0.21	48	...	ob
4404.75	(41)	1.56	-0.15	26	...	ob
Fe II:						
4122.64	(28)	2.58	-3.38	48	...	fmw
4124.79	(22)	2.54	-4.20	14	...	fmw
4173.45	(27)	2.58	-2.18	...	13	fmw
4178.86	(28)	2.58	-2.48	160	17	fmw
4258.16	(28)	2.70	-3.40	26	...	fmw
4273.32	(27)	2.70	-3.34	33	...	fmw
4296.57	(28)	2.70	-3.01	...	7	fmw
4303.17	(27)	2.70	-2.49	133	15	fmw
4351.76	(27)	2.70	-2.10	...	25	fmw
4385.38	(27)	2.78	-2.57	98	14	fmw
4416.82	(27)	2.78	-2.60	120	12	fmw
4489.19	(37)	2.83	-2.97	44	4	fmw
4491.40	(37)	2.86	-2.70	48	11	fmw
4508.28	(38)	2.86	-2.21	...	16	fmw
4515.34	(37)	2.84	-2.48	...	16	fmw
4520.23	(37)	2.81	-2.60	...	10	fmw
4522.63	(38)	2.84	-2.03	...	23	fmw
4541.52	(38)	2.86	-3.05	51	6	nk
4549.47	(38)	2.83	-1.75	...	38	nk
4555.89	(37)	2.82	-2.29	...	20	nk
4576.33	(38)	2.84	-2.82	41	38	nk
4583.83	(38)	2.81	-2.02	...	40	fmw
4620.51	(38)	2.83	-3.28	...	4	fmw
4629.34	(37)	2.81	-2.37	...	15	fmw
5018.43	(42)	2.89	-1.22	...	62	fmw
Sr II:						
4077.71	(1)	0.00	0.15	13:	...	wm

References for the atomic data: fmw = Fuhr, Martin & Wiese 1988, wm= Wiese & Martin 1980, nk = Kurucz 1990, ob= O'Brien 1991, op=Opacity Project (O I, Hibbert 1991), zhu = Zhu 1989, wsm=Wiese, Smith, & Martin 1969, sl = Sigut & Landstreet 1990.

Table 2. Appendix B: Spectral Line Data for B-type Stars

λ	LS 4950	LS 4039	LS 4825	LS 5112
C II :				
3918.98	...	...	...	78
3920.37	...	...	...	100
4267.02,4267.27	83	...	279	...
4618.40,4619.23	...	135	...	...
N II:				
3995.00	208	175	173	72
4035.08	31	75	59	...
4043.53	...	...	42	...
4227.74	...	58	42	...
4236.86	...	43	52	...
4241.18,4241.78	...	130	86	...
4607.16	114	...	88	...
4621.29	...	91	102	...
4630.54	194	152	195	...
4643.09	118	...	...	...
O II:				
3911.96,3912.11	110	174	...	49
3945.04	77	46	96	...
3973.26	172	...	...	130
4061.03	...	85	...	...
4062.94	...	50	...	...
4069.62,4069.89	...	...	...	71
4072.16	168	214	225	94
4078.84	57	60	63	...
4084.65,4085.11	...	131	142	...
4087.15	40	30	...	...
4110.20,4110.79	44	...	89	...
4112.02,4113.83	43	...	...	30
4119.22	129	84	...	63
4302.86,4303.07	...	182	94	...
4317.14	192	161	191	...
4319.63,4319.93	200	118	210	...
4345.56	200	...	...	...
4347.22,4347.42	93	...	...	...
4349.43	307	117	...	...
4351.26,4351.50	118	94	...	...
4357.25	...	52	...	...
4414.90	256	162	...	...
4416.97	205	127	...	...
4489.46	...	...	47	...
4491.23	...	...	61	...
4590.97	200	162	169	...
4595.96	146	147	171	...
4609.44	93	...	95	...
4638.86	182	175	212	...
4661.63	228	190	234	...
4673.74	86	73	...	...

Table 2. Appendix B: Continued

λ	LS 4950	LS 4039	LS 4825	LS 5112
Mg II:				
4481.13,4481.33	194	174	201	...
Al III:				
4479.90	...	...	74	...
4512.54	...	71	75	...
4528.91	...	167	...	...
Si II:				
4128.07	...	...	...	113
4130.89	...	...	...	114
Si III:				
4552.62	389	350	383	...
4567.82	319	286	370	...
4574.76	234	214	239	...
Si IV:				
4116.10	65	59	69	...
Fe III:				
4419.59	70	...	...	...

Where two lines are listed together, they represent an unresolved blend (only blends of the same species are included here). All atomic data has been taken from the compilation by Jeffrey 1991.