Table 1. Emission lines identified in the optical spectrum of MWC 314

λ_{obs}	Identification	Peak Intensity $I_{cont}=1$	Equivalent width (Å)	R.V. ($\mathrm{km\,s^{-1}}$)	Integrated flux $10^{-16} ergs\ cm^{-2} s^{-1}$
4209.14	Cr II (162)	1.18	0.29		372.10
4233.98	Fe II (27)	1.17	0.62		909.50
4244.00	[Fe II] (21F)	1.07	0.21		258.47
4252.02	Ti II (95)	1.09	0.19		231.89
4259.23	Fe II (21)	1.11	0.43+f		731.99+f
4261.63	Mn II (2)	1.06			
4273.80	Fe II (27)	1.09	0.51+2f		1022.73+2f
4276.20	Cr II (31)	1.09			
4278.60	Fe II (32)	1.09			
4288.06	[Fe II] (7F)+TiII(20)	1.11	0.09		
4290.87	Ti II (41)	1.11	0.11	45	
4296.75*	Fe II (28)	1.13	0.23		277.46
4300.39	Ti II (41)	1.11	0.09		
4301.00	Mn II (6)	1.10	0.07		
4302.03*	Ti II (41)	1.17	0.23		
4303.65*	Fe II (37)	1.23	0.31		435.15+3p
4313.34	Ti II (41)	1.20	0.18		
4314.61*	Fe II (32)	1.18	0.30		226.70+p+f
4315.56	Ti II (41)	1.13	0.11		
4317.40	Ti II (94)	1.10	0.03		42.42+f
4318.30	Fe II (220)	1.07	0.02		
4319.62	FeII(220)+[FeII](21F)	1.34	0.26		71.00
4325.70*	Mn II (6)	1.18	0.19		
4330.30	[Fe II] (36)+TiII(94)	1.10	0.02		
4331.20*	Ti II (41)	1.14	0.13	34	
4337.90	Ti II (94)	1.18			
4341.04	H_γ	3.26	4.68+p+f	40	15660.1+4p+10f
4343.90	Mn II (6)	1.17			
4344.72	Ti II (20)	1.16	0.15		
4345.58	Mn II (6)	1.08	0.05		
4352.36*	Fe II (27)	1.36	0.64	41	
4352.85	Cr II (37)	1.26	0.13		
4353.35	[Fe II] (21F)	1.31	0.19		
4358.16	Fe II	1.20	0.07		
4359.02	[Fe II] (21F)	1.20	0.18		
4359.76	[Fe II] (7F)	1.16	0.07		
4363.80*	Cr II (189)	1.13	0.14		
4368.30*	Ti II (104)	1.06			
4369.60*	Fe II (28)	1.17	0.23+p		257.89+p
4375.30*	Ti II (104)	1.14	0.18		436.58
4381.95	Fe II (9)	1.10	0.02		
4383.62	[Fe II] (6F)	1.17	0.15		
4384.54*	Fe II (32)	1.33	0.43		1352.26+2p+4f
4385.59	Fe II (27)	1.29	0.23		
4386.85*	Fe II (26)	1.18	0.25		
4387.50	Ti II (104)	1.07	0.02		
4388.20	He I (51)	1.10	0.02		
4391.82*	Ti II (61)	1.11	0.03		
4394.10*	Ti II (51)	1.06			
4395.33	Ti II (19)	1.20	0.19+p		
4396.07	Ti II (61)	1.14	0.16		

Table 1. Continued

λ_{obs}	Identification	Peak Intensity $I_{cont}=1$	Equivalent width (Å)	R.V. ($\mathrm{km\,s^{-1}}$)	Integrated flux $10^{-16} ergs\ cm^{-2} s^{-1}$
4398.66	Ti II (61)	1.11	0.16		
4399.83	Ti II (51)	1.19	0.34+f		424.41+p+2f
4401.30	Ti II (93)	1.05			
4404.70	V II (30)	1.27	0.26		
4414.08	[Fe II] (7F)+Fe II(32)	1.17	0.21		
4415.93	[Fe II] (6F)	1.31	0.28		
4416.91	Fe II (27)	1.25	0.37+2f		2106.35+2p+3f
4418.30	Ti II (40)	1.09			
4418.95*	Ti II (51)	1.08			
4419.60	Fe III (4)	1.13	0.04		
4441.95*	Ti II (40)	1.10	0.16		
4443.85	Ti II (19)	1.08	0.13		
4444.72	Ti II (31)	1.14	0.19		
4451.80	Ti II (19)	1.09	0.03		
4456.10	Fe II	1.08	0.04		
4462.01	Fe II (26)	1.11	0.15	39:	
4469.01	Ti II (31)	1.05	0.17		
4471.88	He I (14)	1.33	0.73	27:	1711.89+p+2f
4473.45	Fe II (37)	1.20	0.20+f		
4474.10	Fe II (171)	1.14			
4482.80*	Ti II (30)	1.10			65.75
4489.17	Fe II (37)	1.35	0.41+p		1745.20+f
4491.76	Fe II (37)	1.29	0.38		
4501.40	Ti II (18)	1.12	0.17		119.05
4508.79*	Fe II (38)	1.27	0.52	33	963.85+f
4509.64	[Fe II] (6F)	1.20	0.16		
4515.98*	Fe II (37)	1.41	0.49	43	2994.81+5f
4516.50*	Cr II (191)	1.33	0.42		
4520.86*	Fe II (37)	1.35	0.53	42	
4521.10*	Ti II (30)	1.10			
4523.20*	Fe II (38)	1.31	0.70+p	38	
4525.67	Ti II (18)	1.12	0.07		
4529.10	[Fe II] (6F)	1.09	0.28		308.68
4533.99*	Ti II (50)	1.20	0.18		578.13+f
4534.73*	Fe II (37)	1.23	0.22		
4542.17*	Fe II (38)	1.20	0.27+2f	43	750.48+2f
4544.80	Ti II (60)	1.05			
4545.45	Ti II (30)	1.04			
4550.04*	Fe II (38)	1.47	0.83+f	38:	1180.38+f
4550.60	[Fe II] (6F)	1.31			
4556.18*	Fe II (37)	1.43	0.73		1575.78+f
4559.02*	Cr II (44)	1.20	0.22		
4565.43	P II (36)	1.16	0.09		409.97
4571.90*	Cr II (16)	1.14	0.11		
4572.50*	Ti II (82)	1.14	0.08+f	35	
4573.20*	Cr II (16)	1.13			
4577.07	Fe II (38)	1.25	0.46+f	48	
4578.10	Fe II (54)	1.12			
4580.75	Fe II (26)	1.10		45	
4584.20*	Fe II (38)	1.63	1.33+3f+p		5029.62+6p+3f
4588.88*	Cr II (44)	1.11		43:	

Table 1. Continued

λ_{obs}	Identification	Peak Intensity $I_{cont}=1$	Equivalent width (Å)	R.V. (km s^{-1})	Integrated flux $10^{-16} ergs\ cm^{-2} s^{-1}$
4592.3	Cr II (44)	1.10			
4595.95	Fe II (38)	1.07			
4617.00*	Cr II (44)	1.08			
4617.80	Fe III (108)	1.14	0.09+p		
4620.65*	Fe II (38)	1.25	0.71		1687.36+2p
4629.60*	FeII(37)+ TiII(38)	1.42	0.90	40	1502.51
4634.85*	Fe II (25)	1.18	0.33		600.69
4647.90	Mn II (18)	1.12			
4649.60	Fe II (25)	1.13	0.24+p		131.93+p
4657.91*	Ti II (59)	1.25	0.61	45	2547.12+5f
4663.60	Ti II (38)	1.10			
4664.42	Fe II (44)	1.12		41:	
4665.10	[Fe II] (4F)	1.09			
4667.39*	Fe II (37)	1.23	0.47+3p	41	
4670.93*	Fe II (25)	1.14	0.36	49	
4685.90	He II (1)	1.03	0.02		
4698.20	Cr II (177)	1.09	0.14		
4701.60	[Fe III] (3F)	1.11	0.18		568.95+p
4709.24	Ti II (49)	1.06	0.12	37	
4713.76	He I (12)	1.20	0.17	25:	716.90+f
4715.43	Cr II (178)	1.11	0.06		
4728.59	[Fe II] (4F)	1.05			
4732.05*	Fe II (43)	1.30	0.78+p	39	2769.33+p
4764.50	Ti II (48)	1.10			
4765.19	Ti II (48)	1.12	0.30+p	41	447.13
4770.20	[Fe III] (3F)	1.02	0.02		
4781.11*	Fe II (50)	1.08	0.16	32:	
4798.70	[Fe II] (4F)	1.04	0.05		231.18
4799.12	Ti II (17)	1.06	0.13	37:	
4805.78*	Ti II (92)	1.12	0.18	43:	1369.44+f
4812.98*	Cr II (30)	1.07	0.26+f	40	
4814.75	[Fe II](20F)	1.06			
4824.79	Cr II (30)	1.20	0.57+f	41	1513.09+f
4826.90:	Fe II (30)	1.08			
4833.89	Fe II (30)	1.07	0.16	42:	
4836.91*	Cr II (30)	1.08	0.20	43	
4840.68	Fe II (30)	1.04	0.09	42:	
4848.87*	Cr II (30)	1.15	0.27	39:	54193.7+f
4862.09	H_β	7.82	21.10	47	
4871.94	Fe II (25)	1.04	0.12	41	
4885.12	Cr II (30)	1.03	0.05	32:	
4890.03	[Fe II] (4F)	1.03	0.08	25:	
4894.35*	Fe II (36)	1.06	0.02	35:	245.99
4905.68	[Fe II](20F)	1.04	0.09	21:	
4911.81*	Ti II (114)	1.07	0.18	37	403.98
4922.14	He I (48)	1.28		13:	
4924.53*	FeII (42)	1.72	2.05+p	37	3274.20
4930.80	[Fe III](1F)	1.03	0.03		
4935.00	BaII] (1)	1.02	0.04	56:	
4954.72*	Fe II (168)	1.03	0.06	45:	

Table 1. Continued

λ_{obs}	Identification	Peak Intensity $I_{cont}=1$	Equivalent width (Å)	R.V. (km s^{-1})	Integrated flux $10^{-16} ergs\ cm^{-2} s^{-1}$
4958.40	[Fe II](4F)	1.05	0.10		128.79
4982.00	Ti II (71)	1.04	0.09+f		
4982.93	[Ti II] (23F)	1.04		12:	
4987.20	[Fe III](2F)	1.05	0.24+p		253.39+p
4991.70	Fe II (25)	1.07			
4994.12*	Fe II (36)	1.26	0.70+p	46:	2836.85+2f
5001.35*	Fe II (25)	1.20	0.29	37	
5005.20	Fe II	1.05	0.14		
5016.09	He I (4)	1.77		25	
5018.97	Fe II (42)	1.90	3.95+p	32:	8469.33+p+f
5031.64*	Sc II (23)	1.05	0.11	37:	
5038.80	Ti II (71)	1.05	0.06		
5041.33	Si II (5)	1.07	0.30	16	1135.46+p
5048.03	He I (47)	1.06	0.04	17:	
5056.29	Si II (5)	1.12	0.17	16	819.73
5073.04*	Ti II (113)	1.09	0.15	44:	1977.57+p
5077.20	[Fe II] (20F)	1.07	0.11		227.82
5082.00	[Ti II] (19F)	1.09	0.12		274.88
5086.80	[Fe II] (3F)	1.04	0.08		204.61
5090.40	Fe II	1.01	<0.02		35.54
5094.00	Fe II (205)	1.01	<0.02		41.29
5098.08	Cr II (24)	1.02		45:	139.26
5101.32	Fe II (35)	1.12	0.31+p	39	985.53
5110.87	[Fe II] (19F)	1.06	0.11	14:	
5120.99*	Fe II (35)	1.08	0.12	38	240.98
5127.96	Fe III (5)	1.09			
5129.84*	Ti II (86)	1.15	0.58+p	41:	
5133.32	Fe II (35)	1.20	0.48	38:	2467.58+p+f
5137.46*	Fe II (35)	1.09	0.27	40	
5146.79*	Fe II (35)	1.11	0.24	39	497.93
5152.40	[Fe III](1F)	1.03	0.02		
5155.10*	Fe II (35)	1.15	0.33	41:	583.39
5158.24	[Fe II] (19F)	1.16	0.20	14:	742.06
5169.50*	Fe II (42)	1.68	2.86+f	27	5642.61+p
5173.32*	Mg I (2)	1.31		37:	
5184.35*	Mg I (2)	1.24	1.03+2f	43:	21560+2f
5186.60	Ti II (86)	1.09			
5189.50*	Ti II (70)	1.10		46:	
5192.40	Fe II (52)	1.08	0.08		
5198.26*	Fe II (49)	1.46	1.11	40:	2871.30+3p
5211.78	Ti II (103)	1.09	0.25	32:	1001.30
5217.60	Fe III	1.04	0.04		277.74+f
5220.00	[Fe II] (19F)	1.02	0.02		
5227.27*	Ti II (70)	1.20	0.42	42:	1028.76
5233.10	Cr II (43)	1.05			
5235.06*	Fe II (49)	1.48	1.80+p+f	25:	3678.83
5238.04*	Cr II (43)	1.17		41	
5240.55*	Sc II (26)	1.04	0.02	42:	
5247.55*	Cr II (23)	1.05	0.09+f	45:	
5248.80	Fe II	1.03			

Table 1. Continued

λ_{obs}	Identification	Peak Intensity $I_{cont} = 1$	Equivalent width (Å)	R.V. (km s^{-1})	Integrated flux $10^{-16} ergs\ cm^{-2} s^{-1}$
5250.80	Cr II (23)	1.04	0.10		271.76+p
5255.73*	Fe II (49)	1.26	0.83+f	46:	1734.87
5257.58*	Fe II (41)	1.11		37:	
5262.00	[Fe II] (19F)	1.12			
5265.54*	Fe II (48)	1.20	0.75+p	42	
5270.40	[Fe III] (1F)	1.20	0.37		
5273.80	[Fe II] (18F)	1.10			
5276.56	Fe II (49)	1.52	2.12+p	32:	10088.1+2p+2f
5280.64*	Cr II (43)	1.08	0.19	43:	
5284.83*	Fe II (41)	1.35	0.85	42	
5306.73*	Cr II (24)	1.09	0.32+f	50:	
5309.27*	Cr II (43)	1.06		48:	
5314.00*	Cr II (43)	1.08			
5317.18	Fe II (49)	1.82	2.18+p	32:	8299.54+2p
5326.27*	Fe II (49)	1.25	0.82	40	1741.98
5333.79	[Fe II] (19F)	1.10		13:	
5335.55*	Cr II (43)	1.12		39:	
5337.56*	Ti II (69)	1.20	0.72+2p+f	43:	
5338.35*	Fe II (48)	1.16		36:	2300.98
5347.11	Fe II (49)	1.05	0.04	31:	482.22+f
5350.80	V II (54)	1.02	0.02		
5363.49*	Fe II (48)	1.43	1.04	35	2427.99
5376.90	[Fe II] (19F)	1.02	0.07	24:	254.04
5381.79*	Ti II (69)	1.08	0.19	43	805.32
5397.10*	Ti II (80)	1.08	0.21		653.01+2f
5408.43	Cr II (23)	1.11		45:	
5409.46*	Fe II (184)	1.14	0.30+p+f	34:	
5410.40*	Cr II (29)	1.05			
5412.78	[FeII] (17F)	1.05		8:	
5414.60*	Fe II (48)	1.18	0.46+2p	41	
5419.60*	Cr II (22,29)	1.17			
5421.60*	Cr II (23)	1.11	0.30+p	39	
5426.03*	Fe II (49)	1.32	0.62	42	8277.08+9p+f
5433.69*	Fe II (55)	1.16	0.43+f	39	
5436.30	Fe II (48)	1.04			
5456.70	Cr II (50)	1.08	0.08		
5467.79	Fe II	1.03	0.03	48:	
5473.40	Cr II (50)	1.02	0.03		
5479.02*	Cr II (50)	1.10	0.37	36:	1249.70
5491.20*	Ti II (68)	1.06			
5492.89*	Ti II (68)	1.13	0.13+p		
5499.16	Fe II (24)	1.04	0.05		
5502.92*	Cr II (50)	1.12	0.29	46:	2445.21+1p
5504.20	Cr II (50)	1.05	0.10		
5509.90*	Cr II (50)	1.10	0.12		621.25
5512.50	Cr II (23)	1.04	0.05		621.25
5526.00	Fe II (56)	1.08			
5527.57*	Sc II (11)	1.15		41	
5527.14	[Fe II](17F)	1.16	0.66+2p+f		

Table 1. Continued

λ_{obs}	Identification	Peak Intensity $I_{cont}=1$	Equivalent width (Å)	R.V. ($\mathrm{km\,s^{-1}}$)	Integrated flux $10^{-16} ergs\ cm^{-2} s^{-1}$
5530.66*	Ti II (68)	1.08		39	
5535.60*	Fe II (55)	1.44	1.13	40	5484.57+3p
5569.00*	Fe II	1.05	0.10		
5577.64	[O I] (3F)	1.05	0.03		163.31
5592.08*	Fe II (55)	1.05	0.10	38	
5628.30*	Fe II (57)	1.07	0.18	43	57035.1 bwol
5658.84	Fe II (57)+Sc II (29)	1.16	0.42	49:	2403.45+p
5685.00	Sc II (29)	1.07	0.18	43	
5736.92	Fe II (58)	1.08	0.04		74.98+f
5738.33	Fe II (58)	1.06	0.03		
5754.93	[N II] (3F)	2.07	1.18	7	3637.22
5773.62	Fe II (165)	1.08	0.02		43.39
5800.58	Fe II (165)	1.05	0.02		
5814.45*	Fe II (163)	1.07	0.20	40:	475.22
5823.90	Fe II (164)	1.02:	0.02	38:	
5836.58	Fe II (182)	1.04	0.06	56:	
5864.80	Fe II (24)	1.11	0.03		
5876.54	He I (11)	5.37	9.80	28	24144.7
5890.68	Na I (1)	1.22	0.21	37:	blended with IS
5896.63	Na I (1)	1.34	0.23	36:	blended with IS
5930.39	Fe III (114)	1.04	0.03	45:	92.86
5953.43	Fe II (182)	1.05		46:	
5954.42	Fe III (115)	1.06	0.21+p+f	39:	
5957.69	Si II (4)	1.08			1377.17+p
5979.31	Si II (4)	1.11	0.17+f	17	406.95+f
5979.62	Fe III (117)	1.11			
5992.20*	Fe II (46)	1.41	1.07	41	2779.59
6029.70	V II (128)	1.05	0.26+f	37:	
6032.84	Fe III (117)	1.04			504.94
6046.39	Fe II (200)	1.02	0.06	46:	
6054.33*	Cr II (105)	1.04	0.09	42	
6084.94*	Fe II (46)	1.25	0.62	41	1938.64
6104.35*	Fe II (200)	1.10	0.26	40	631.25
6114.35*	Fe II (46)	1.16	0.29	50:	853.32+f
6117.00	Fe II (46)	1.07	0.05	47:	
6123.06	Mn II (13)	1.02:	<0.02	31:	
6130.53*	Fe II (46)	1.11	0.19	40	702.614
6148.58	Fe II (74)	1.31	1.44+f	41:	50047.6+f
6149.48	Fe II (74)	1.62			
6175.97	Fe II (200)	1.05	0.21	40:	
6180.23*	Fe II (163)	1.04	0.10	41	
6220.52*	Fe II (34)	1.08	0.12	47:	401.27
6230.40*	Fe II (34)	1.09	0.18	51:	733.39
6239.35*	Fe II (74)	1.49	1.28	46	4113.16
6248.42*	Fe II (74)	1.49	1.43	41	4059.47
6300.27	[O I] (1F)	1.06	0.04	2	251.92+p
6306.11	Fe II (200)	1.03:	0.01	39:	
6312.40	[S III]	1.07	0.19	16:	560.29
6318.85*	Fe II J + Mg I	1.27	0.90+ f	41	2375.49+ f

Table 1. Continued

λ_{obs}	Identification	Peak Intensity $I_{cont}=1$	Equivalent width (Å)	R.V. (km s^{-1})	Integrated flux $10^{-16} ergs\ cm^{-2} s^{-1}$
6320.01	Mg I	1.22			
6332.92*	Fe II (199)	1.08	0.06	45	707.96+f
6347.47	Si II (2)	1.25	0.46	18	2091.06
6370.58*	Fe II (40)	1.31	1.27+f	53:	3689.10+f
6371.50:	Si II (2)	:			
6384.82*	Fe II J	1.25	0.78+f	50:	5217.70+f
6387.59	Fe II (203)	1.12			
6408.13*	Fe II (74)	1.17	0.18	39	780.71
6417.78*	Fe II (74)	1.39	1.07	41	3553.24
6433.49*	Fe II (40)	1.66	1.75	39	5673.93
6440.79	[Fe II] (15F)	1.11	0.08	18:	
6443.72	Fe II	1.05	0.10	35:	442.47+p
6447.46	Fe II (199)	1.04	0.03:	48:	290.11
6457.24*	Fe II (74)	1.64	1.87	40	6506.51
6483.11*	Fe II (199)	1.14	0.18	42	1392.78
6492.50	Ti II (91)	1.10		43:	
6493.96	Fe II	1.08	0.42+p	42:	1374.22
6507.00*	Fe II	1.04	0.06		
6516.94*	Fe II (40)	1.85	1.82	41	6522.18
6563.87*	H_α + [N II] (1)	24.01	128.8	48:	617299+f
6583.82	[N II] (1F)	1.19	0.20	10	
6587.68	Fe II	1.05:	0.04	45:	
6628.14*	Fe II (210)	1.09	0.18	39	704.76
6678.64	He I (46)	2.15	3.20	22	14952.7
6717.67	[S II] (2F)	1.03	0.03+f	27:	
6718.69	Ti II (112)	1.02		35:	
6829.53	[Fe II] (31F)	1.03	0.07	23:	458.82
7000.41	[Ti II] (17F)	1.06:	0.15	18:	
7066.54	He I (10)	3.56	8.05	35	43225.4
7136.40	Fe II (197)	1.06	0.07		1087.50
7155.81	[Fe II] (14F)	1.15	0.41	28	3429.01
7215.68	[Fe II] (30F)+Ti II(101)	1.05:	0.12:	41:	
7222.80	Fe II (73) tellur.	1.09			
7226.10	Fe II (73) tellur.	1.16	0.68+p		
7281.81	He I (45) tellur.	1.47	1.29	19	
7292.09	[Ca II] (1F) tellur.	1.42	1.50	26:	
7324.64	[Ca II] (1F) tellur.	1.34	1.49	31:	
7378.82	Fe II J tellur.	1.08	0.21		
7388.53	[Fe II] (14F) tellur.	1.09	0.32	15:	
7412.12	[V II] (4F)	1.05	0.78+2f	9:	5909.85+2f
7416.74	Mn II (4)	1.14		39:	
7423.68	N I (3)	1.04			
7433.15	[Fe II] (47)	1.07	0.21	37:	1354.18
7443.20	N I (3)	1.08		37:	
7450.32*	Fe II (73)	1.18	1.22+p	40	7061.47+p
7463.35*	Fe II (73)	1.30	1.38+f	39	9065.58+f
7468.82	N I (3)	1.07			
7480.67	Fe II (72)	1.07	0.22	39	1521.36
7497.07	Fe II + [V II](3F)	1.07	0.15		1263.48
7516.78*	Fe II (73)	1.20	1.03	36	6587.47

Table 1. Continued

λ_{obs}	Identification	Peak Intensity $I_{cont}=1$	Equivalent width (Å)	R.V. ($\mathrm{km\,s^{-1}}$)	Integrated flux $10^{-16} ergs\ cm^{-2} s^{-1}$
7534.80	Fe II (72)	1.13	0.48		3156.12
7656.67	Fe II (73) tellur.	1.10	:	47:	
7712.58	Fe II (73)	1.41	1.39	34	11004.5
7777.20	O I (1) + 7775.40	1.16	0.74		7612.93
7802.56	Fe II	1.02	0.02	40:	
7816.88	He I (69)	1.04	0.10	28	
7842.52*	Fe II (72)	1.05	0.13	44	
7852.94	Fe II	1.04:	0.15	39:	
7867.55	Fe II J	1.15	0.33		2306.44
7878.26	Mg II (8)	1.14	0.37	43	4171.77
7897.58	Mg II (8)	1.22	0.68	46	5910.60
8159.40	Fe II J tellur.	1.29			
8184.60	Na I (4) tellur.	1.61			
8215.06	Mg II tellur.	1.20:	0.50	39:	
8257.80	P 37 tellur.	1.18			
8261.40	P 36 + P35 tellur.	1.23			
8267.40	P 34 tellur.	1.27			
8273.40	P 33 tellur.	1.09			
8278.20	P 32 tellur.	1.24			
8286.60	P 30 tellur.	1.28			
8292.60	P 29 tellur.	1.27			
8298.60	P 28 tellur.	1.26			
8307.00	P 27	1.31			
8314.20	P 26	1.26			
8324.40	P 25	1.32	1.36		9707.12
8334.98	P 24	1.26	0.87		7593.72 bwol
8346.14	P 23	1.33	0.90		8802.61
8360.18	P 22 + 8361.22 He I (68)	1.39	1.06	42:	12058.2
8375.37	P 21	1.33	0.99	32:	11753.4
8393.58	P 20	1.36	1.78	42	17015.4 bwol
8414.25	P 19	1.41	1.55	33:	10855.0
8438.86	P 18	1.41	1.92	32:	58573.0+f
8447.66	O I (4)	2.24	5.28+f	32:	
8452.00	Fe II	1.20:		35:	
8468.30	P 17	1.54	2.55	37:	20082.8
8490.97	Fe II J	1.23	0.86		
8499.07	Ca II (2) + P 16	4.42	15.56	37	144831+p
8543.11	Ca II (2) + P 15	5.43	22.09	36	201195
8567.62	N I (8)	1.01	0.14		898.50
8582.57	He I	1.01	0.08		
8599.17	P 14	1.58	3.05+2f		26042.5+2f
8611.80	Fe II J	1.06			
8617.23	[Fe II] (13F) + NI(8)	1.04			
8630.08	N I (8)	1.17	0.86		6111.80
8663.05	Ca II (2) + P 13	5.39	22.46		272256+2f
8680.20	N I (1)	1.39	3.22+f		
8682.60	N I (1)	1.40			
8703.43	N I (1)	1.13	0.69		2741.03
8711.94	N I (1)	1.17	0.90		3303.90
8718.60	N I (1)	1.16	0.75+f		4766.79+f

Table 1. Continued

λ_{obs}	Identification	Peak Intensity $I_{cont} = 1$	Equivalent width (Å)	R.V. ($\mathrm{km\,s^{-1}}$)	Integrated flux $10^{-16} ergs\ cm^{-2} s^{-1}$
8722.00	Fe II J +[Ti II](16F)	1.15			
8728.88	N I (1)	1.07	0.41		2036.94
8751.46	P 12	1.82	3.78		31848.5
8776.20	He I	1.07	0.25:		814.74
8808.30	Mg I (7)	1.20	1.23		9984.04
8863.48	P 11	1.93	3.83		45266.4

An asterisk in the first column denotes double–peaked lines for which wavelengths of their central depressions are given, "tellur." means that the line is in a telluric line region, "J" stands for the lines from the Johansson (1978) list, "p" refers to the preceding line, "f" to the following line in a blend. In the latter two cases equivalent width for the entire blend is given. The lines with uncertain identification are marked with question marks. Equivalent widths of the weak lines measured with low accuracy are maked by colons.

Table 2. Absorption lines identified in the optical spectrum of MWC 314

λ_{obs}	Identification	Peak Intensity $I_{cont}=1$	Equivalent width (Å)	R.V. ($km\,s^{-1}$)
4197.11	N III (6)	0.91	0.17	
4323.40	C II (28)	0.90	0.01	
4467.30	N II (21)	0.91	0.10	
4632.05	N II (5)	0.94	0.01	
4643.62	N III (2)	0.91	0.02	
4644.27	N II (5)	0.92	0.02	
4679.70	N II (62)	0.95	0.01	
4717.43	S II (9)	0.93	0.09	76
4789.63	N II (20)	0.95	0.04	
4816.69	S II (9)	0.90	0.13	73
4886.98	S II (15)	0.93	0.06	85:
4896.39	N II (1)	0.95	0.23	78:
4988.65	N II (24)	0.97	0.01	77:
5003.99	N II (4)	0.92	0.11	77:
5008.50	N II (24)	0.88	0.38+f	
5010.69	S II (7)	0.88		69
5028.51	S II (1)	0.97	0.03	79
5033.77	S II (7)	0.91	0.14	81
5046.50	N II (4)	0.94	0.07	83:
5074.98	N II (10)	0.98	<0.01	82:
5104.80	S II (7)	0.96	0.08	
5202.60	S II (39)	0.93	0.11	84:
5322.11	S II (38)	0.92	0.11	80:
5388.35	P II (6)	0.98	0.01	82:
5430.23	S II (6)	0.86	0.06	
5455.57	S II (6)	0.88	0.15	81:
5475.17	S II (6)	0.91	0.07	83:
5511.17	S II (6)	:	:	82:
5557.47	S II (6)	0.98	0.01	79:
5566.56	S II (6)	0.95	0.01	80:
5580.35	S II (11)	0.98	0.01	81:
5607.88	S II (11)	0.89	0.05	78:
5618.40	S II (11)	0.98	0.06	76:
5641.77	S II (11)	0.88	0.11	77:
5647.18	S II (6)	0.98	0.09+f	83:
5648.50	S II (14)	0.93		81
5661.65	S II (11)	0.95:	0.06	90:
5666.26	S II (11)	0.95:	0.05	81:
5668.08	N II (3)	0.95	0.04	77:
5677.63	N II (3)	0.89	0.13	85:
5681.23	N II (3)	0.89	0.13	
5688.31	N II (3)	0.91	0.10	76
5698.17	Al III (2)	0.93	0.09	83:
5712.34	N II (3)	0.96	0.01	83
5724.39	Al III (2)	0.96	0.03	87:
5741.32	Si III (4)	0.95:	0.08	83:
5748.72	N II (9)	0.98:	0.03	74:
5769.08	N II (9)	0.93	0.02	
5820.79	S II (14)	0.97	0.01	81:
5854.14	Ne I (6)	0.96	0.05	85:

Table 2. Continued

λ_{obs}	Identification	Peak Intensity $I_{cont}=1$	Equivalent width (Å)	R.V. ($\mathrm{km\,s^{-1}}$)
5857.63	C II (22)	0.93	0.05	79:
6076.00	Ne I (3)	0.96	0.05	82
6097.88	Ne I ( )	0.96	0.06	85:
6144.91	Ne I (1)	0.91	0.10	83
6165.36	Ne I (5)	0.93	0.08	81:
6306.92	S II (19)	0.96	0.01	
6336.09	Ne I (1)	0.92	0.11	73
6399.11	S II (19)	0.96	0.07	85:
6404.01	Ne I (1)	0.86	0.20	83
6480.21	N III (14)	0.90	0.03	
6483.87	N II (8)	0.94	:	84:
6508.48	Ne I (3)	0.85	0.10	90:
6523.86	N II (45)	0.91	0.03	

Intensities, equivalent widths, and radial velocities of the lines measured with low accuracy are maked by colons. "f" refers to the following line in a blend.

Table 3. Diffuse interstellar absorption features identified

λ_{obs}	Peak Intensity $I_{cont}=1$	Equivalent width (Å)	R.V. ($\mathrm{km\,s^{-1}}$)
4430	0.86	1.96	
4726.6	0.93	0.13	-18:
4762.6	0.95	0.04	
4880.7	0.93	0.52	
4964.00	0.96	0.04	10:
5404.17	0.87	0.09	7:
5487.6	0.97	0.10	16:
5609.9	0.98	0.01	-3:
5705.24	0.94	0.10	6
5719.55	0.99	0.01	8:
5766.14	0.96	0.06	-6:
5769.18	0.98	0.01	4:
5772.72	0.98	0.01	6:
5780.54	0.67	0.94	7
5788.73	0.98:	0.02	-17:
5796.82	0.78	0.45	2
5809.20	0.97	0.04	4:
5844.54	0.97	0.11	18:
5850.07	0.92	0.11	14
5890.49[a]	0.03	1.18	13
5896.57[a]	0.04	1.10	12
6005.02	0.97	0.06	6:
6010.76	0.95	0.12	10
6019.49	0.98	0.05	8:
6089.73	0.96	0.05	0
6140.10	0.97	0.02	16:
6196.03	0.87	0.14	4:
6203.22	0.84	0.41	8:
6212.07	0.97	0.08	-11:

Table 3. Continued

λ_{obs}	Peak Intensity $I_{cont}=1$	Equivalent width (Å)	R.V. ($\mathrm{km\,s^{-1}}$)
6223.71	0.98	0.02	3:
6270.25	0.91	0.25	
6283.99	0.60	2.88	10
6330.00	0.98	0.02	-20:
6353.54	0.96	0.06	2:
6362.41	0.98	0.02	3:
6367.07	0.99	<0.01	-7:
6376.33	0.96	0.07	12:
6379.24	0.77	0.22	1:
6397.05	0.96	0.05	-16:
6425.53	0.95	0.08	6:
6439.40	0.96	0.08	2:
6445.40	0.97	0.04	
6613.87	0.70	0.57	3
6661.04	0.90	0.34	5:
6699.46	0.95	0.11+f	4:
6701.80	0.97		-8:
6770.28	0.98:	0.02	10:
6811.60	0.98	0.03	7:
6827.33	0.98	0.01	2:
6843.44	0.98	0.03	0:
6852.75	0.99	0.01	-7:
6993.28	0.83	0.16	4:
7106.06	0.98	0.02	5:
7119.63	0.97	0.03	-13:
7562.46	0.91	0.18	9
7569.93	0.96	0.05	9:
7580.79	0.96	0.06	-16:
7585.32	0.98	0.01:	-11:
7721.77	0.95	0.10	-4:
7833.02	0.98:	0.03:	10:

[a] Na I (1). Intensities, equivalent widths, and radial velocities of the lines measured with low accuracy are maked by colons. "f" refers to the following line in a blend.

Table 4. Unidentified lines in the optical spectrum of MWC 314

λ_{obs}	Probable identification	Peak Intensity $I_{cont}=1$	Equivalent width (Å)
4675.69		1.13	0.10
5328.5	FeI(15)	1.12	
5397.83	FeI(15)	1.07	
5587.0	FeI(686)	1.07	
8514.60		1.07	0.31
8914.20		1.19	1.08
8927.40		1.73	2.45

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