4. Finding List

Finding List

Intensity	Wavelength (Å)	Spectrum	Ref
	Vacuum		
30	171.575	Li II	R37
300 P	178.014	Li II	R37
1000 P	199.280	Li II	R37
15 c	231.4541	He II	GM65
20 c	232.5842	He II	GM65
30 c	234.3472	He II	GM65
50 c	237.3307	He II	GM65
100 c	243.0266	He II	GM65
300 P	256.3166	He II	MK00b
150 P	256.3177	He II	MK00b
90 P	300.15	Na II	W71
90	300.20	Na II	W71
50	301.32	Na II	W71
60	301.44	Na II	W71
30	302.45	Na II	W71
1000 P	303.7804	He II	MK00b
500 P	303.7858	He II	MK00b
10	320.293	He I	TW71
90 P	352.9549	Ne II	P71
60 P	354.9620	Ne II	P71
90	361.4321	Ne II	P71
60	362.4544	Ne II	P71
150 P	372.08	Na II	W71
200	376.38	Na II	W71
150	405.8538	Ne II	P71
120	407.1377	Ne II	P71
400 P	429.918	O II	MKM93
700 P	430.041	O II	MKM93
1000 P	430.177	O II	MKM93
800	441.81	K II	E31
200 P	445.0393	Ne II	P71
300 P	446.2552	Ne II	P71
250 P	446.5902	Ne II	P71
200	447.8146	Ne II	P71
150	454.6540	Ne II	P71
200	455.2730	Ne II	P71
10	456.2728	Ne II	P71
120	456.3485	Ne II	P71
90	456.8962	Ne II	P71
1000 P	460.7284	Ne II	P71
500 P	462.3908	Ne II	P71
150	465.08	K II	E31
	469.50	K II	E31
300	476.03	K II	E31
900 P	484.602	F II	P69
10	487.2272	Ar II	M71
15	490.6495	Ar II	M71
10	490.7013	Ar II	M71
1000	495.14	K II	E31
2	505.50035	He I	M02
3	505.68433	He I	M02
4	505.91252	He I	M02
5	506.20034	He I	M02
7	506.57057	He I	M02

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
10	507.05802	He I	M02
15	507.71809	He I	M02
20	508.64338	He I	M02
25	509.99829	He I	M02
35	512.09856	He I	M02
2	513.266	Rb II	R75
50	515.61684	He I	M02
10	519.3270	Ar II	M71
100 P	522.21309	He I	M02
3	530.173	Rb II	R75
400 P	537.02992	He I	M02
800 P	537.8319	O II	MKM93
1000 P	538.2636	O II	MKM93
600 P	538.318	O II	MKM93
800 P	539.0855	O II	MKM93
700 P	539.5489	O II	MKM93
500 P	539.8544	O II	MKM93
10	542.9124	Ar II	M71
70	543.2033	Ar II	M71
25	547.4606	Ar II	M71
25	556.8170	Ar II	M71
25	573.3619	Ar II	M71
10	576.7364	Ar II	M71
25	580.2632	Ar II	M71
10	583.4371	Ar II	M71
1000 P	584.33436	He I	M02
30	587.1792	Ne I	SS04
30	587.2127	Ne I	SS04
30 P	589.419	Rb II	R75
30	589.9114	Ne I	SS04
50	591.41207	He I	M02
70	591.8306	Ne I	SS04
100	595.9200	Ne I	SS04
25	597.7001	Ar II	M71
70	598.7056	Ne I	SS04
30	598.8897	Ne I	SS04
70	600.0365	Ne I	SS04
1000 P	600.77	K II	E31
130	602.7263	Ne I	SS04
10	602.8584	Ar II	M71
900 P	605.669	F II	P69
800 P	606.288	F II	P69
1000 P	606.804	F II	P69
700 P	606.923	F II	P69
800 P	607.472	F II	P69
800 P	607.93	K II	E31
900 P	608.062	F II	P69
10	612.3716	Ar II	M71
1000 P	612.62	K II	E31
170 P	615.6283	Ne I	SS04
170 P	618.6716	Ne I	SS04
130 P	619.1023	Ne I	SS04
200 P	626.8232	Ne I	SS04
200 P	629.7388	Ne I	SS04
20	639.36	Cs II	RE75
15	643.878	Rb II	R75

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
200 P	644.635	N II	E83
600 P	644.837	N II	E83
1000 P	645.179	N II	E83
150 P	661.8690	Ar II	M71
10	664.5623	Ar II	M71
70	666.0109	Ar II	M71
300 P	670.9455	Ar II	M71
1000 P	671.8513	Ar II	M71
25	676.2425	Ar II	M71
10	677.9518	Ar II	M71
10	679.2184	Ar II	M71
70	679.4006	Ar II	M71
600 P	687.0526	C II	KE74
1000 P	687.346	C II	KE74
80	692.70	N I	M75a
180	693.947	B II	O70
500 r	696.30	Tl II	ES36
30 P	697.049	Rb II	R75
70 P	711.187	Rb II	R75
70	718.0899	Ar II	M71
150	718.14	Cs II	RE75
800 P	718.5036	O II	MKM93
500 P	718.5663	O II	MKM93
1000 P	723.3606	Ar II	M71
150	725.5485	Ar II	M71
20	729.40	Kr II	MSP69
25	730.9297	Ar II	M71
1000 P	735.8962	Ne I	SS04
70	740.2692	Ar II	M71
120	740.41	Xe II	B36
110 P	741.456	Rb II	R75
400 P	743.7195	Ne I	SS04
70	744.9248	Ar II	M71
25	745.3223	Ar II	M71
70	761.18	Kr II	MSP69
30	763.98	Kr II	MSP69
20	766.20	Kr II	MSP69
70	771.03	Kr II	MSP69
20	773.69	Kr II	MSP69
200 P	775.967	N II	E83
70	782.10	Kr II	MSP69
30	783.72	Kr II	MSP69
600	787.580	Cl II	RK74
600	788.740	Cl II	RK74
600	793.342	Cl II	RK74
250	796.664	O II	MKM93
250	796.682	O II	MKM93
40	802.28	Te II	HM64
20	802.85896	Ar I	M73
120	803.07	Xe II	B36
100	806.4710	Ar I	M73
60	806.86887	Ar I	M73
30	807.21842	Ar I	M73
40	807.6529	Ar I	M73
150 P	808.76	Cs II	RE75
50	809.92660	Ar I	M73
150 P	813.84	Cs II	RE75
120	816.23193	Ar I	M73
70	816.46391	Ar I	M73
300 r	817.18	Tl II	ES36

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
20	818.15	Kr II	MSP69
80	820.12352	Ar I	M73
120	825.34592	Ar I	M73
120	826.36484	Ar I	M73
140	829.529	Ga II	IL85
20	830.38	Kr II	MSP69
800	832.62	Se II	G62
250 P	832.7587	O II	MKM93
400 P	833.3302	O II	MKM93
150	834.3918	Ar I	M73
500 P	834.4655	O II	MKM93
100	835.00210	Ar I	M73
700 P	839.297	Cl II	RK74
900 P	839.599	Cl II	RK74
800 P	841.414	Cl II	RK74
100	842.80506	Ar I	M73
30 P	844.06	Kr II	MSP69
600 P	851.691	Cl II	RK74
20	864.82	Kr II	MSP69
180 P	866.79997	Ar I	M73
20	868.87	Kr II	MSP69
150 P	869.75411	Ar I	M73
180 P	876.05767	Ar I	M73
100	879.84	I II	MC60
180 P	879.94656	Ar I	M73
200	880.80	Xe II	B36
500	882.543	B II	O70
500	882.681	B II	O70
70	884.14	Kr II	MSP69
120	885.54	Xe II	B36
300 P	886.30	Kr II	MSP69
400	886.943	Cu II	R69
1000 P	889.25	Br II	MT84
400	890.567	Cu II	R69
130	891.01	Kr II	MSP69
70	892.001	Si II	RA65
20	893.0847	Hg II	SR01
500	893.678	Cu II	R69
150 P	894.31013	Ar I	M73
500	896.65	Br II	MT84
400	896.759	Cu II	R69
400	901.073	Cu II	R69
400 P	901.27	Cs II	RE75
150	903.6235	C II	KE74
300	903.9616	C II	KE74
750 P	904.1416	C II	KE74
150	904.4801	C II	KE74
500	906.01	Br II	MT84
400	906.885	S II	KM93
300	910.484	S II	KM93
70	911.39	Kr II	MSP69
800	912.69	Se II	G62
250	912.735	S II	KM93
500	914.213	Cu II	R69
50 P	915.613	N II	E83
12	915.819	Hg II	SR01
50 P	915.963	N II	E83
60 P,d	916.019	N II	E83
200 P,d	916.708	N II	E83
700 P	917.43	Kr II	MSP69

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
300 P	919.7810	Ar II	M71
400	922.019	Cu II	R69
200	925.87	Xe II	B36
15	926.2256	H I	MK00a
400 P	926.66	Cs II	RE75
20	930.7482	H I	MK00a
300 P	932.0537	Ar II	M71
400	932.939	Cu II	R69
400	935.058	Cu II	R69
400	935.086	Cu II	R69
80	935.40	Xe II	B36
400	935.898	Cu II	R69
250	937.421	S II	KM93
300	937.684	S II	KM93
30	937.8034	H I	MK00a
20	942.630	Hg II	SR01
400	943.335	Cu II	R69
10	944.73	Li II	SO82
100	945.4414	Kr I	K93
400	945.525	Cu II	R69
80	946.5443	Kr I	K93
50 P	949.7430	H I	MK00a
30	951.056	Kr I	K93
500 P	951.870	F I	L49
80	953.4041	Kr I	K93
1000 P	954.826	F I	L49
800 P	955.546	F I	L49
500 P	958.525	F I	L49
5 c	958.70	He II	GM65
25	962.711	Hg II	SR01
80	963.3745	Kr I	K93
700 P	964.97	Kr II	MSP69
25	969.142	Hg II	SR01
6 c	972.11	He II	GM65
100 P	972.5367	H I	MK00a
250 P	972.77	Xe II	B36
400	973.895	F I	L49
100	976.217	F I	L49
250	976.68	Xe II	B36
100	977.743	F I	L49
500	984.99	Br II	MT84
50	988.773	O I	M75b
8 c	992.36	He II	GM65
70	992.684	Si II	RA65
60	993.8825	Ne II	P71
150	1001.0606	Kr I	K93
150	1003.5504	Kr I	K93
500	1012.13	Br II	MT84
800 P	1013.40	Se II	G62
800	1013.99	Se II	G62
250	1014.449	S II	KM93
1000 P	1015.53	Br II	MT84
10	1017.88	Li II	SO82
200	1018.58	I II	MC60
15 c	1025.27	He II	GM65
300 P	1025.7222	H I	MK00a
80	1025.762	O I	M75b
14 P	1025.9681	Mg II	KM91a
12 P	1026.1134	Mg II	KM91a
150	1030.0232	Kr I	K93

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
150	1032.44	Xe II	B36
1000 P	1033.56	Se II	G62
500 P	1034.66	I II	MC60
250 P	1036.3367	C II	KE74
400	1036.470	Cu II	R69
500	1036.98	Br II	MT84
500 P	1037.0182	C II	KE74
250	1037.68	Xe II	B36
50	1039.230	O I	M75b
400	1039.348	Cu II	R69
400	1039.582	Cu II	R69
20	1039.6315	Hg II	SR01
400 P	1041.31	Xe II	B36
500	1044.519	Cu II	R69
500	1044.744	Cu II	R69
1000 P	1048.21987	Ar I	VHU99
300 P	1048.27	Xe II	B36
1000 P	1048.94	Br II	MT84
1000 P	1049.65	Se II	G62
400 P	1051.92	Xe II	B36
400	1054.690	Cu II	R69
400	1056.955	Cu II	R69
800	1057.41	Se II	G62
400	1059.096	Cu II	R69
40	1059.51	Te II	HM64
200	1060.619	Pb II	WRSH74
400	1060.634	Cu II	R69
20	1062.7802	Hg II	SR01
400	1063.005	Cu II	R69
700 P	1063.831	Cl II	RK74
400	1064.71	Br II	MT84
100	1066.34	I II	MC60
500 P	1066.65980	Ar I	M73
300 P	1067.945	Cl II	RK74
70	1068.6488	Ne II	P71
1000 P	1071.036	Cl II	RK74
700 P	1071.767	Cl II	RK74
500	1071.84	Br II	MT84
700 P	1074.48	Xe II	B36
150	1075.21	I II	MC60
600 P	1075.230	Cl II	RK74
40 P	1077.66	Te II	HM64
600 P	1079.080	Cl II	RK74
500	1081.875	B II	O70
500	1082.073	B II	O70
200	1083.86	Xe II	B36
25 P	1083.994	N II	E83
60 P,d	1084.580	N II	E83
30 c	1084.94	He II	GM65
300	1085.51	Ge II	S63a
15 P	1085.550	N II	E83
100 P	1085.710	N II	E83
400 P	1100.43	Xe II	B36
250	1105.00	I II	MC60
500 P	1106.74	Ge II	S63a
1000 P	1106.9931	Ag II	KLLT01
120	1111.16	I II	MC60
600 P	1112.4006	Ag II	KLLT01
200	1113.708	Ga II	IL85
200	1119.133	Ga II	IL85

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
500 P	1120.46	Ge II	S63a
200	1121.325	Pb II	WRSH74
200	1125.25	I II	MC60
300	1130.760	Ga II	IL85
100	1131.50	I II	MC60
90	1131.7224	Ne II	P71
100	1131.8490	Ne II	P71
30	1131.88	Li II	SO82
90	1134.165	N I	M75a
90	1134.415	N I	M75a
500 P	1139.80	I II	MC60
800	1141.97	Se II	G62
200	1143.039	Be II	J61a
200	1158.47	Xe II	B36
500 P	1160.56	I II	MC60
600 P	1162.1700	Pd II	LLTL01
500 r	1162.55	Tl II	ES36
30	1164.4184	Pt II	SRSA92
300 P	1164.8671	Kr I	K93
1000 P	1166.48	I II	MC60
10	1166.63	Li II	SO82
30	1166.8635	Pt II	SRSA92
80	1169.63	Xe II	B36
90	1169.7477	Pt II	SRSA92
50 P	1174.34	Te II	HM64
60 P	1175.79	Te II	HM64
250	1175.84	I II	MC60
500 P	1178.65	I II	MC60
80	1178.9614	Pt II	SRSA92
150	1179.293	Cl I	RK69
500	1181.19	Ge II	S63a
500	1181.65	Ge II	S63a
30	1182.3552	Pt II	SRSA92
250 P	1183.05	Xe II	B36
700 P	1183.4003	Pd II	LLTL01
60	1186.2203	Pt II	SRSA92
800 P	1187.34	I II	MC60
200 P	1188.73	Ge II	S63a
300 P	1190.4160	Si II	KE74
500 P	1190.85	I II	MC60
300	1191.26	Ge II	S63a
25 P	1192.0376	Xe I	BVHU01
1000 P	1192.24	Se II	G62
300*	1193.0088	C I	J66
300*	1193.0308	C I	J66
400	1193.2402	C I	KE74
100	1193.2644	C I	KE74
700 P	1193.2898	Si II	KE74
60	1193.4484	Pt II	SRSA92
800 P	1194.5004	Si II	KE74
700 P	1195.8092	Ag II	KLLT01
1000 P	1196.4051	Pd II	LLTL01
400	1197.188	Be II	J61a
50	1198.092	Li II	HM59
70	1198.7745	Pt II	SRSA92
250	1198.88	I II	MC60
1000 P	1199.550	N I	M75a
400	1200.22	I II	MC60
700 P	1200.223	N I	M75a
300 P	1200.710	N I	M75a

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
800 P	1203.9645	Pd II	LLTL01
40	1208.54	Te II	HM64
800	1211.17	As II	LA71
600	1214.5242	Pd II	LLTL01
35	1215.09	He II	GM65
50 c	1215.17	He II	GM65
1000 P	1215.66824	H I	MK00a
500 P	1215.67364	H I	MK00a
800	1218.10	As II	LA71
700 P	1218.6219	Pd II	LLTL01
110	1219.4931	Pt II	SRSA92
90	1220.165	Cr II	SKRR03
1000 P	1220.89	I II	MC60
40	1220.98	Te II	HM64
600	1223.721	Sn II	B64
600 P	1224.592	Au II	RW97
600	1225.2684	Pd II	LLTL01
70	1228.746	Si II	S61b
40	1229.0134	Pt II	SRSA92
100	1229.388	Si II	S61b
90	1229.8367	Ne II	P71
600	1229.901	Au II	RW97
500	1230.160	B II	O70
100	1232.43	Br I	T63
40	1232.8739	Pt II	SRSA92
1000 P	1234.06	I II	MC60
600	1235.1957	Pd II	LLTL01
1000 P	1235.8378	Kr I	K93
500 P	1237.059	Ge II	KE74
700 P	1237.0677	Pd II	LLTL01
20	1237.29	Li II	SO82
90	1238.8499	Pt II	SRSA92
25 P	1239.9253	Mg II	KM91a
20 P	1240.3946	Mg II	KM91a
400 P	1241.045	Bi II	WBBF01
800	1241.31	As II	LA71
500	1242.926	Sn II	B64
1000 P	1243.08	As II	LA71
250 P	1243.179	N I	M75a
200 P	1244.76	Xe II	B36
900	1245.67	As II	LA71
150	1247.554	Cr II	SKRR03
100	1248.426	Si II	S61b
200	1248.6069	Pt II	SRSA92
25 P	1250.2091	Xe I	BVHU01
70	1250.433	Si II	S61b
400 P	1250.578	S II	KM93
130	1251.164	Si II	S61b
10	1253.32	Li II	SO82
40	1253.62	Te II	HM64
900 P	1253.805	S II	KM93
800	1258.58	As II	LA71
40	1259.51	I I	KC59
1000 P	1259.518	S II	KM93
500 P	1260.4223	Si II	KE74
200	1261.5520	C I	KE74
500 P	1261.905	Ge II	KE74
1000 P	1263.77	As II	LA71
40	1264.5677	Pt II	SRSA92
1000 P	1264.7379	Si II	KE74

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
800	1266.34	As II	LA71
800	1267.59	As II	LA71
40	1270.52	Te II	HM64
40	1271.7939	Pt II	SRSA92
800 P	1274.938	Sb II	AJK89
400 P	1277.2452	C I	KE74
800 P	1277.2824	C I	KE74
200 P	1277.5131	C I	KE74
1000 P	1277.5497	C I	KE74
800 P	1280.3330	C I	KE74
700	1280.99	As II	LA71
30	1283.6978	Pt II	SRSA92
300 P	1283.715	Bi II	WBBF01
700	1287.54	As II	LA71
40	1289.40	I I	KC59
70	1289.9515	Pt II	SRSA92
30	1290.0131	Pt II	SRSA92
30	1290.0131	Pt II	SRSA92
1000	1290.880	Sn II	B64
30	1292.7998	Pt II	SRSA92
100 P	1295.5878	Xe I	BVHU01
130	1300.34	I I	KC59
1000 P	1302.168	O I	M75b
50	1302.4578	Pt II	SRSA92
40	1302.98	I I	KC59
40	1303.1187	Pt II	SRSA92
700 P	1304.858	O I	M75b
700	1305.70	As II	LA71
300 P	1306.029	O I	M75b
500 r	1307.50	Tl II	ES36
100	1309.2766	Si II	KE74
200 P	1310.700	P II	SMZ83
40	1313.95	I I	KC59
1000	1316.576	Sn II	B64
40	1317.54	I I	KC59
800 P	1320.0229	Pd II	LLTL01
800 P,r	1321.644	Tl II	JKBL96
50 P	1324.92	Te II	HM64
800 P	1327.378	Sb II	AJK89
40	1327.4314	Pt II	SRSA92
9 h	1328.374	Au I	BG78
200	1329.5775	C I	KE74
100	1329.6005	C I	KE74
800	1333.15	As II	LA71
80 P	1334.5323	C II	KE74
150 P	1335.7077	C II	KE74
300 P	1335.726	Cl I	RK69
1000 P	1336.52	I II	MC60
1000 P	1341.55	As II	LA71
1000 P	1347.240	Cl I	RK69
40	1348.8300	Pt II	SRSA92
70	1350.057	Si II	S61b
500 P	1351.657	Cl I	RK69
30	1352.9768	Pt II	SRSA92
800	1354.955	Sb II	AJK89
70	1355.10	I I	KC59
400	1355.616	Au II	RW97
800	1355.93	As II	LA71
40	1357.97	I I	KC59
600	1358.009	Sb II	AJK89

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
200 P	1358.773	Cu II	R69
70	1360.97	I I	KC59
40	1361.11	I I	KC59
400 P	1362.326	Au II	RW97
1000 P	1362.463	B II	LZJK98
40	1363.24	Te II	HM64
30	1363.3059	Pt II	SRSA92
500 P	1363.447	Cl I	RK69
700 P	1363.6892	Pd II	LLTL01
30	1364.1171	Pt II	SRSA92
600	1365.5430	Pd II	LLTL01
15	1367.257	Mg II	KM91a
800 P	1367.7039	Pd II	LLTL01
15	1367.708	Mg II	KM91a
150 P	1367.951	Cu II	R69
20	1369.423	Mg II	KM91a
1000 P	1369.77	As II	LA71
120	1373.116	Cl I	RK69
30	1373.1724	Pt II	SRSA92
800	1373.65	As II	LA71
50	1374.69	Na II	W71
50	1374.80	Te II	HM64
900 P	1374.8481	Pd II	LLTL01
1000 P	1375.07	As II	LA71
800	1375.78	As II	LA71
120	1378.9572	Pt II	SRSA92
500 P	1379.528	Cl I	RK69
100	1382.0460	Pt II	SRSA92
50	1383.23	I I	KC59
150	1384.60	Br I	T63
800 P	1384.656	Sb II	AJK89
1000 P	1387.565	Sb II	AJK89
200	1388.435	S I	KM93
500 P	1389.693	Cl I	RK69
500 P	1389.957	Cl I	RK69
40	1390.75	I I	KC59
120	1392.588	S I	KM93
800	1394.64	As II	LA71
250	1396.112	S I	KM93
500 P	1396.527	Cl I	RK69
800	1400.31	As II	LA71
1000 P	1400.440	Sn II	B64
150	1401.514	S I	KM93
200	1403.9006	Pt II	SRSA92
50	1404.68	Na II	W71
600	1407.784	Sb II	AJK89
9	1408.451	Au I	BG78
90	1411.94	N I	M75a
1000 P	1414.401	Ga II	IL85
90	1418.3779	Ne II	P71
60	1420.900	Li II	DM01
1000 P	1425.030	S I	KM93
110	1425.49	I I	KC59
1000 P	1426.208	Cr II	SKRR03
90	1428.5822	Ne II	P71
80	1429.5248	Pt II	SRSA92
800 P	1431.323	Cr II	SKRR03
600 P	1431.865	Cr II	SKRR03
600 P	1432.056	Cr II	SKRR03
500 P	1433.004	Cr II	SKRR03

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
600 P	1433.280	S I	KM93
200 P	1433.310	S I	KM93
1000 P	1433.906	Pb II	KT96
600 P	1434.808	Cr II	SKRR03
400 P	1435.207	Cr II	SKRR03
350 P	1435.582	Cr II	SKRR03
90	1436.0813	Ne II	P71
800 P	1436.447	Sb II	AJK89
400 P	1436.810	Bi II	WBBF01
250	1436.968	S I	KM93
70	1446.26	I I	KC59
40	1447.8030	Pt II	SRSA92
300	1448.428	Cr II	SKRR03
P	1451.56	Rn I	R30
70	1453.18	I I	KC59
30	1454.2866	Pt II	SRSA92
30	1454.2866	Pt II	SRSA92
500	1455.091	Bi II	WBBF01
70	1457.39	I I	KC59
70	1457.47	I I	KC59
130 P	1457.98	I I	KC59
50	1459.15	I I	KC59
40	1461.0786	Pt II	SRSA92
40	1462.6591	Pt II	SRSA92
60 P	1469.6123	Xe I	BVHU01
1000 P	1473.995	S I	KM93
1000 P	1474.997	Sn II	B64
60	1475.6306	Pt II	SRSA92
20	1476.000	Mg II	KM91a
25	1478.004	Mg II	KM91a
20	1480.880	Mg II	KM91a
9	1481.764	Au I	BG78
150	1482.8256	Pt II	SRSA92
30	1482.890	Mg II	KM91a
700	1483.039	S I	KM93
500	1486.547	Au II	RW97
400	1486.954	Bi II	WBBF01
700 P	1488.45	Br I	T63
500	1488.637	Cu II	R69
25	1491.9735	Pt II	SRSA92
250 P	1492.625	N I	M75a
120	1492.820	N I	M75a
70	1492.89	I I	KC59
15	1492.931	Li II	HM59
30	1492.973	Li II	HM59
6	1493.036	Li II	HM59
150	1494.675	N I	M75a
200	1494.7256	Pt II	SRSA92
100	1498.1132	Pt II	SRSA92
800	1498.549	Sb II	AJK89
200	1499.3707	Pt II	SRSA92
140	1505.2462	Pt II	SRSA92
110	1506.2923	Pt II	SRSA92
40	1506.41	Na II	W71
70	1507.04	I I	KC59
30	1507.6288	Pt II	SRSA92
600	1509.2920	Pt II	SRSA92
600 P	1512.269	Be II	J61a
1000 P	1512.298	Pb II	KT96
800 P,c	1512.412	Be II	J61a

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
800	1513.255	Sb II	AJK89
200	1514.26	Cd II	SP49
70	1514.68	I I	KC59
9 r	1515.63	Ag I	S40
200 P	1518.05	I I	KC59
400	1519.837	Cu II	R69
400	1520.549	Bi II	WBBF01
30	1520.7414	Pt II	SRSA92
800	1524.367	Sb II	AJK89
150	1524.5715	Pt II	SRSA92
900	1524.7295	Pt II	SRSA92
900	1524.7295	Pt II	SRSA92
150	1526.70698	Si II	GK00
80	1528.2831	Pt II	SRSA92
60	1530.1969	Pt II	SRSA92
400	1531.74	Br I	T63
80 P	1532.530	P II	SMZ83
400	1533.139	Bi II	WBBF01
300 P	1533.4318	Si II	KE74
100	1534.9063	Pt II	SRSA92
800 P	1535.309	Ga II	IL85
130 P	1535.917	P II	SMZ83
80 P	1536.410	P II	SMZ83
300	1536.745	Bi II	WBBF01
400	1538.037	Bi II	WBBF01
800 P	1539.830	Al II	KM91b
50	1540.5040	Pt II	SRSA92
300 P	1540.65	Br I	T63
500	1541.703	Cu II	R69
60 l	1541.8337	Pt II	SRSA92
130 P	1542.297	P II	SMZ83
30	1542.7098	Pt II	SRSA92
40	1546.8248	Pt II	SRSA92
110	1552.3268	Pt II	SRSA92
200	1554.9285	Pt II	SRSA92
30	1558.3479	Pt II	SRSA92
40	1559.3893	Pt II	SRSA92
200	1560.309	C I	KE74
500 P	1560.682	C I	KE74
200 P	1560.709	C I	KE74
600 P	1561.438	C I	KE74
40	1561.5450	Pt II	SRSA92
40	1561.5450	Pt II	SRSA92
500 r	1561.58	Tl II	ES36
800	1565.501	Sb II	AJK89
30	1568.9021	Pt II	SRSA92
200	1571.58	Cd II	SP49
30	1573.1802	Pt II	SRSA92
400	1573.69	Bi II	WBBF01
40	1573.8180	Pt II	SRSA92
200	1574.3059	Pt II	SRSA92
400 P	1574.84	Br I	T63
900 P	1576.099	Sb II	AJK89
250	1576.39	Br I	T63
500 P	1576.855	Ge II	KE74
80	1579.4357	Pt II	SRSA92
800	1581.353	Sb II	AJK89
90	1581.3980	Pt II	SRSA92
300	1582.31	Br I	T63
20 P	1586.340	In II	SM02

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
20	1587.158	Au I	BG78
40	1587.7205	Pt II	SRSA92
40	1589.3735	Pt II	SRSA92
600 P	1591.76	Bi II	WBBF01
400	1593.556	Cu II	R69
70	1593.58	I I	KC59
40	1594.0344	Pt II	SRSA92
40	1594.2611	Pt II	SRSA92
70	1594.5655	Si I	RAKL67
70	1594.9493	Si I	RAKL67
9	1604.0102	Pt I	SRSA92
11	1604.12	Rb II	R75
1000 P	1604.45	Rh II	S58
1000 P	1606.952	Sb II	AJK89
50	1608.41	Te II	HM64
400	1609.69	Bi II	WBBF01
400	1611.358	Bi II	WBBF01
50	1613.15	Te II	HM64
70	1617.60	I I	KC59
400	1621.426	Cu II	R69
80 l	1621.6590	Pt II	SRSA92
90	1622.8806	Si I	RAKL67
700 P	1623.597	B II	LZJK98
500 P	1623.790	B II	LZJK98
1000 P	1624.023	B II	LZJK98
300	1624.175	B II	LZJK98
9	1624.335	Au I	BG78
700 P	1624.376	B II	LZJK98
400 P	1624.47	Rh II	S58
1000 P	1628.94	Rh II	S58
100	1629.441	Si I	KRA66
100	1629.9477	Si I	RAKL67
80	1631.0903	Pt II	SRSA92
1000 P	1633.40	Br I	T63
120	1634.2337	Pt II	SRSA92
400 P	1634.72	Rh II	S58
25	1636.1647	Pt I	SRSA92
400 P	1637.88	Rh II	S58
120 P	1640.3321	He II	MK00b
50 P	1640.3447	He II	MK00b
7 P	1640.3750	He II	MK00b
25 P	1640.3914	He II	MK00b
180 P	1640.4742	He II	MK00b
25 P	1640.4897	He II	MK00b
15 P	1640.5326	He II	MK00b
8	1644.4634	Pt I	SRSA92
300	1644.4958	Ag II	KLLT01
14 P	1646.674	Au I	BG78
250	1649.858	Ca II	ER56
1000 P	1649.9373	Hg II	SR01
5	1651.52	Ag I	S40
140	1651.991	Ca II	ER56
15	1653.077	Li II	HM59
30	1653.132	Li II	HM59
6	1653.213	Li II	HM59
500 P	1656.267	C I	KE74
400 P	1656.928	C I	KE74
1000 P	1657.008	C I	KE74
400 P	1657.379	C I	KE74
400 P	1657.907	C I	KE74

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
500 P	1658.121	C I	KE74
50	1659.4860	Pt II	SRSA92
100 P	1661.478	Be I	KM97
400	1665.3513	Ag II	KLLT01
9	1665.755	Au I	BG78
900 P	1666.688	S I	KM93
300	1666.850	B I	BTG74
500	1667.272	B I	BTG74
200	1669.2312	Pt II	SRSA92
170	1669.876	Cr II	SKRR03
1000 P	1670.7886	Al II	GK00
500	1671.553	Pb II	KT96
150	1672.738	Cr II	SKRR03
800 P	1674.591	P I	S80
200	1675.2052	Si I	RAKL67
200	1676.152	Cr II	SKRR03
20	1677.8443	Pt I	SRSA92
1000 P	1679.695	P I	S80
40	1681.661	Li II	HM59
120	1681.6840	Ne II	P71
500	1682.127	Pb II	KT96
300	1682.8353	Ag II	KLLT01
2	1683.412	Mg I	KM91a
50	1684.5867	Pt II	SRSA92
50	1684.5867	Pt II	SRSA92
800 P	1687.530	S I	KM93
200	1688.3553	Ne II	P71
7	1690.7825	Pt I	SRSA92
200	1696.2065	Si I	RAKL67
250	1697.9409	Si I	RAKL67
30	1698.4958	Pt II	SRSA92
20 P	1699.339	Au I	BG78
200 P	1702.07	I I	KC59
2	1707.061	Mg I	KM91a
80	1707.0710	Pt II	SRSA92
14 P,w	1711.1	In I	G54
40	1713.8364	Pt II	SRSA92
7	1714.4801	Pt I	SRSA92
80 r	1716.784	Ge I	KE74
800 P	1719.440	Al II	KM91b
500	1721.244	Al II	KM91b
900 P	1721.271	Al II	KM91b
150	1723.1314	Pt II	SRSA92
300	1723.6119	Ag II	KLLT01
500	1724.952	Al II	KM91b
900 P	1724.984	Al II	KM91b
600 P	1726.802	Pb II	KT96
50	1727.6799	Pt II	SRSA92
40	1734.852	Mg II	KM91a
90	1735.8642	Pt II	SRSA92
14	1737.1732	Pt I	SRSA92
50	1737.628	Mg II	KM91a
600	1740.475	Au II	RW97
150 P	1741.547	Ni II	S70
200 P	1742.729	N I	M75a
10	1744.4305	Pt I	SRSA92
150	1745.252	N I	M75a
3	1747.794	Mg I	KM91a
80	1750.043	Ge I	KE74
40	1750.663	Mg II	KM91a

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
500 P	1751.827	C I	KE74
180	1752.585	Cr II	SKRR03
50	1753.474	Mg II	KM91a
120	1753.8286	Pt II	SRSA92
120	1753.8286	Pt II	SRSA92
50	1755.332	Li II	HM59
14 P,w	1757.3	In I	G54
60	1760.50	Rb II	R75
180	1760.747	Cr II	SKRR03
30	1762.899	Al I	KM91b
500	1763.869	Al II	KM91b
700 P	1763.952	Al II	KM91b
14	1764.5948	Pt I	SRSA92
50	1765.636	Al I	KM91b
300	1765.815	Al II	KM91b
25	1766.0328	Pt II	SRSA92
50	1766.385	Al I	KM91b
120	1767.1612	Pt II	SRSA92
150	1767.457	Cr II	SKRR03
400	1767.731	Al II	KM91b
50	1769.140	Al I	KM91b
300	1770.9223	Si I	RAKL67
80	1774.176	Ge I	KE74
1000 P	1774.951	P I	S80
200	1775.0160	Pt II	SRSA92
40	1776.5571	Pt I	SRSA92
50	1776.57	Na II	W71
800 P	1777.05	Bi II	WBBF01
600 P	1777.0866	Pt II	SRSA92
20	1777.2783	Pt I	SRSA92
250	1781.8617	Pt II	SRSA92
150 P	1782.76	I I	KC59
800 P	1782.838	P I	S80
600	1783.200	Au II	RW97
80	1785.046	Ge I	KE74
30	1785.8803	Pt II	SRSA92
P	1786.07	Rn I	R30
25	1786.6480	Pt I	SRSA92
40	1787.19	Na II	W71
600	1787.406	Bi II	WBBF01
700 P	1787.656	P I	S80
700 P	1791.842	Bi II	WBBF01
300 P,r	1792.827	Tl II	JKBL96
300	1795.28	Se I	RG34
400	1796.669	Pb II	KT96
40	1798.41	Na II	W71
70	1799.09	I I	KC59
20	1802.9398	Pt I	SRSA92
50	1807.09	Na II	W71
1000 P	1807.311	S I	KM93
30	1808.01288	Si II	GK00
300	1811.201	Sn II	B64
20	1812.8819	Pt I	SRSA92
800 P	1813.878	Ga II	IL85
250	1814.0794	Si I	RAKL67
400 P,r	1814.776	Tl II	JKBL96
700	1814.964	Sb II	AJK89
40	1816.9290	Si II	KE74
300	1817.843	B I	BTG74
15	1817.8736	Pt I	SRSA92

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
500	1818.348	B I	BTG74
900 P	1820.343	S I	KM93
1000 P	1822.052	Pb II	KT96
500 P	1822.155	Te I	MV75
700 P	1823.728	Bi II	WBBF01
8	1825.3262	Pt I	SRSA92
800 P	1825.894	B I	EL01
13	1826.1377	Pt I	SRSA92
800 P	1826.245	S I	KM93
1000 P	1826.400	B I	EL01
5	1827.934	Mg I	KM91a
600	1828.588	Al II	KM91b
1000 P	1830.38	I I	KC59
25	1833.3875	Pt II	SRSA92
40	1835.0745	Pt II	SRSA92
40	1835.22	Na II	W71
80	1836.5075	Pt II	SRSA92
200	1836.5102	Si I	RAKL67
30	1838.8246	Pt II	SRSA92
80	1839.5258	Pt II	SRSA92
250	1840.061	Ca II	ER56
1	1840.50	Cs II	S81
80 h	1841.328	Ge I	KE74
400	1841.4490	Si I	RAKL67
80 h	1842.410	Ge I	KE74
500 P	1842.820	B II	LZJK98
200	1843.7700	Si I	RAKL67
200 P	1844.45	I I	KC59
900 P	1845.199	Ga II	IL85
200	1845.5203	Si I	RAKL67
25	1845.7517	Pt I	SRSA92
200	1846.1118	Si I	RAKL67
300	1847.4737	Si I	RAKL67
200	1848.1504	Si I	RAKL67
250	1848.7480	Si I	RAKL67
1000 P	1849.499	Hg I	WA63
13	1849.6831	Pt I	SRSA92
400 P	1850.6719	Si I	RAKL67
250	1852.4717	Si I	RAKL67
80	1853.134	Ge I	KE74
40	1853.17	Na II	W71
9	1853.4523	Pt I	SRSA92
40	1853.4523	Pt II	SRSA92
300	1855.20	Se I	RG34
500 P	1857.296	Te I	MV75
700 P	1858.026	Al II	KM91b
600	1858.886	P I	S80
1	1859.16	Cs II	S81
400	1859.393	P I	S80
200 r	1860.086	Ge I	KE74
140	1860.330	Sn I	B64
1000 P	1862.311	Al II	KM91b
80	1867.1302	Pt II	SRSA92
90	1870.4100	Pt II	SRSA92
30	1871.1038	Pt II	SRSA92
400 P,r	1871.154	Sb I	SM02
120 r	1874.256	Ge I	KE74
200	1874.8423	Si I	RAKL67
600 P	1875.564	Ru II	CHR88a
70	1879.1031	Pt II	SRSA92

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
9	1879.829	Au I	BG78
700	1881.121	Tl II	JKBL96
90	1881.91	Na II	W71
200	1882.568	Sb I	SM02
600 P	1883.0587	Pt II	SRSA92
1	1883.93	Cs II	S81
30	1885.8171	Pt II	SRSA92
600 P	1888.043	Ru II	JJLL94
100	1888.1064	Ne II	P71
140	1889.5226	Pt II	SRSA92
100	1889.7120	Ne II	P71
700 P,r	1890.43	As I	HA85
30	1895.0088	Pt II	SRSA92
30	1897.5769	Pt II	SRSA92
40	1898.1722	Pt II	SRSA92
400	1898.55	Se I	RG34
30	1899.0445	Pt II	SRSA92
300 P	1899.881	Sn II	B64
200	1900.286	S I	KM93
400 P	1901.3377	Si I	RAKL67
1000 P	1902.341	Bi II	WBBF01
15	1903.2186	Pt I	SRSA92
600 P	1903.221	Ru II	JJLL94
200 r	1904.702	Ge I	KE74
200	1907.4940	Ne II	P71
800 P,r	1908.617	Tl II	JKBL96
400 P	1911.7092	Pt II	SRSA92
400	1913.79	Se I	RG34
100	1914.698	S I	KM93
8	1915.10	Mn II	IV64
500 P	1916.0818	Ne II	P71
250 P	1916.816	Ru II	JJLL94
120 r	1917.592	Ge I	KE74
300	1919.19	Se I	RG34
7	1921.250	Mn II	IV64
300	1922.23	Cd II	SP49
40	1928.4320	Pt II	SRSA92
250 P	1929.2449	Pt II	SRSA92
40	1929.6829	Pt II	SRSA92
200 r	1929.826	Ge I	KE74
300 P	1930.0345	Ne II	P71
1000 P	1930.906	C I	KE74
50	1934.3690	Pt I	SRSA92
1	1935.19	Cs II	S81
6 P	1936.217	In II	B69
100	1937.4245	Pt I	SRSA92
400 P,r	1937.59	As I	HA85
500 P	1938.008	Ge II	KE74
200	1938.8269	Ne II	P71
500 P	1938.891	Ge II	KE74
250 P	1939.043	Ru II	JJLL94
250 P	1939.505	Ru II	JJLL94
130 l	1939.8110	Pt II	SRSA92
20	1940.0319	Pt I	SRSA92
1000 P	1942.273	Hg II	SR01
150	1944.4617	Pt II	SRSA92
80	1944.731	Ge I	KE74
100 c	1945.4521	Ne II	P71
40	1949.9102	Pt II	SRSA92
300 r	1950.393	Sb I	SM02

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
1000 P	1951.051	W II	EKM00
300 P	1954.706	Bi I	WBBF01
30	1954.7436	Pt II	SRSA92
80	1955.115	Ge I	KE74
250 P	1960.049	Bi I	WBBF01
600 P	1960.894	Se I	LP77
200	1962.013	Ge I	KE74
900 P	1962.140	W II	EKM00
11	1963.1429	Pt I	SRSA92
50 c	1964.59	Be I	KM97
6 P	1966.711	In II	B69
13	1969.6807	Pt I	SRSA92
140	1970.769	Co I	PT96
80	1970.880	Ge I	KE74
30	1971.5374	Pt I	SRSA92
200 P,r	1972.62	As I	HA85
800 P,c	1973.1340	Re II	WJLG97
15	1973.794	Hg II	SR01
11 P	1977.359	In II	B69
600	1977.524	W II	EKM00
400 P	1977.5978	Si I	RAKL67
50	1978.8444	Pt II	SRSA92
400 P	1979.2056	Si I	RAKL67
25	1979.7647	Pt I	SRSA92
300 P	1979.956	Cu II	R69
300 P	1980.6185	Si I	RAKL67
600	1982.907	W II	EKM00
300 P	1983.2330	Si I	RAKL67
40	1983.7486	Pt II	SRSA92
500 P	1986.3640	Si I	RAKL67
9	1987.7868	Pt I	SRSA92
10	1987.841	Hg II	SR01
120 h	1987.849	Ge I	KE74
120 P	1988.267	Ge I	KE74
1000 P	1988.9937	Si I	RAKL67
15	1989.1056	Pt I	SRSA92
900 P	1989.394	W II	EKM00
700	1990.531	Al II	KM91b
80	1990.5751	Pt II	SRSA92
500	1990.863	W II	EKM00
8	1991.5830	Pt I	SRSA92
300	1994.3173	Ag II	KLLT01
500 P	1994.839	Te I	MV75
150 P	1995.111	Se I	LP77
200	1995.43	Cd II	SP49
11	1995.8991	Pt I	SRSA92
400 P	1996.056	Mn I	CMG64
60 c	1998.01	Be I	KM97
200 r	1998.887	Ge I	KE74
500 P	1999.511	Mn I	CMG64
	Air		
150 P	1999.698	Cu II	R69
150	2000.792	Au II	RW97
300	2001.45	Os I	MCS75
400 P	2001.712	W II	EKM00
1000 P	2002.028	Te I	MV75
200 P,r	2003.35	As I	HA85
500 P	2003.53	Re I	MCS75
400	2003.73	Os I	MCS75
700 P	2003.849	Mn I	CMG64

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
300	2004.81	Os I	MCS75
80	2007.009	Ne II	P71
5 r	2007.56	Tl I	C52
140	2007.7572	Pt II	SRSA92
800 P	2008.095	W II	EKM00
300 P	2009.982	W II	EKM00
600	2010.15	Os I	MCS75
250	2010.236	W II	EKM00
600	2010.65	Ir I	MCS75
80	2011.29	Ge I	AM59
1000 P	2012.00	Au I	MCS75
700 P	2012.78	Hf II	MCS75
250	2014.238	W II	EKM00
200	2014.9330	Pt II	SRSA92
500 P	2015.109	Mo II	SPNL01
300 P	2017.87	Re I	MCS75
1000 P	2018.14	Os I	MCS75
700 P	2019.068	Ge I	AM59
1000	2020.26	Os	MCS75
1000 P	2020.314	Mo II	SPNL01
9	2020.5434	Pt I	SRSA92
250 P	2021.149	Bi I	WBBF01
250 P	2021.38	Au I	MCS75
200 P	2022.016	Pb I	WA68
500	2022.35	Ir I	MCS75
500	2022.76	Os I	MCS75
1000 P	2025.4845	Zn II	GL00
80	2025.560	Ne II	P71
2 P	2025.824	Mg I	KM91a
500 P	2026.088	W II	EKM00
20	2026.860	Hg II	SR01
1000 P	2028.18	Hf II	MCS75
500	2028.23	Os I	MCS75
1000 P	2029.3423	Nb II	RCL00
900 P	2029.995	W II	EKM00
20	2030.6456	Pt I	SRSA92
30	2032.4256	Pt I	SRSA92
200	2032.432	P I	S80
900 P	2033.0102	Nb II	RCL00
300	2033.477	P I	S80
900 P	2033.57	Ir I	MCS75
600 P	2034.44	Os I	MCS75
150	2035.043	W II	EKM00
7	2035.7985	Pt I	SRSA92
200 P	2035.854	Cu II	R69
250 P	2036.4666	Pt II	SRSA92
150 P	2037.127	Cu II	R69
500 P	2038.452	Mo II	SPNL01
30 r	2039.792	Sb I	SM02
600 P	2039.842	Se I	LP77
150	2041.5751	Pt II	SRSA92
900 P,r	2041.712	Ge I	AM59
600 P,r	2043.770	Ge I	AM59
250 P	2043.802	Cu II	R69
150	2044.587	Au II	RW97
900 P	2045.36	Os I	MCS75
400 P	2045.973	Mo II	SPNL01
500 P	2049.08	Re I	MCS75
30	2049.1689	Pt II	SRSA92
60	2049.3915	Pt I	SRSA92

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
60 P,r	2049.577	Sb I	SM02
300	2049.636	W II	EKM00
400	2052.22	Ir I	MCS75
400 P	2052.828	Hg II	SR01
200 P	2053.284	Pb I	WA68
150	2054.461	Ge I	AM59
100	2054.734	Sb II	AJK89
1000 P	2055.59	Cr II	K51
50	2056.012	Be I	KM97
100	2057.0265	Pt II	SRSA92
80 h	2057.238	Ge I	AM59
600 P	2058.1323	Si I	KRA66
300*	2058.69	Os I	MCS75
300*	2058.78	Os I	MCS75
300	2060.64	Ir I	MCS75
9	2060.7621	Pt I	SRSA92
20	2061.162	Ag I	PZ01
700 P	2061.54	Cr II	K51
25 P	2061.63	I I	KC59
300 P	2061.634	Bi I	WBBF01
400	2061.69	Os I	MCS75
1000 P	2062.0011	Zn II	GL00
400 P	2062.779	Se I	LP77
15	2062.7943	Pt I	SRSA92
400 P	2064.2266	Zn II	GL00
300 r	2065.215	Ge I	AM59
500 P	2065.46	Cr II	K51
140	2065.573	W II	EKM00
200	2066.364	B I	GV72,GM62
200	2066.646	B I	GV72,GM62
250	2067.186	B I	GV72,GM62
1000 P	2067.21	Os II	MCS75
20	2067.5105	Pt I	SRSA92
400 P,r	2068.344	Sb I	SM02
1000 P,r	2068.656	Ge I	AM59
20	2068.92	Rb II	R75
400 h	2068.937	Bi II	WBBF01
9	2069.844	Ag I	PZ01
500 P	2070.67	Os II	MCS75
8	2070.9443	Pt I	SRSA92
8	2070.9443	Pt I	SRSA92
200	2071.208	W II	EKM00
11	2071.50	Rb II	R75
20	2072.016	Si II	S61b
30	2072.701	Si II	S61b
80 P	2074.70	Re I	MCS75
600 P	2074.784	Se I	LP77
80	2075.4004	Pt II	SRSA92
140	2075.590	W II	EKM00
110	2075.95	Rb II	R75
200	2076.43	Ru I	K59
250	2076.95	Os I	MCS75
250	2078.09	Os	MCS75
14 P	2078.608	In II	SM02
600 P	2079.118	W II	EKM00
600 P	2079.120	W II	EKM00
500 P	2079.97	Os I	MCS75
250 P	2081.172	Te I	MV75
120 P	2081.681	Mo II	SPNL01
400 P	2082.077	Au II	RW97

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
100	2082.54	Os I	MCS75
200	2083.22	Ir I	MCS75
250	2083.78	Ru I	K59
50	2084.5960	Pt I	SRSA92
150	2085.466	Ne II	P71
200 P	2085.59	Re I	MCS75
200	2085.74	Ir I	MCS75
150	2086.021	Ge I	AM59
200	2088.204	W II	EKM00
1000 P	2088.82	Ir I	MCS75
400 P	2088.889	B I	JLKK93
100	2089.03	Os I	MCS75
140	2089.156	W II	EKM00
100	2089.21	Os I	MCS75
60 P	2089.52	Mo II	MCS75
500 P	2089.570	B I	JLKK93
200	2090.22	Ru I	K59
11	2090.29	Rb II	R75
200	2090.48	W I	MCS75
1000 P	2090.771	Ga II	IL85
200 P	2091.590	Sn I	B64
60	2092.159	Mn I	CMG64
60 P	2092.50	Mo II	MCS75
800	2092.63	Ir I	MCS75
100 P	2093.11	Mo II	MCS75
800 P,r	2094.258	Ge I	AM59
700	2094.264	Al II	KM91b
400 P	2094.751	W II	EKM00
200	2096.106	Ne II	P71
140	2096.18	Hf II	MCS75
120	2096.248	Ne II	P71
200 P	2097.12	Re I	MCS75
200	2097.4478	Pt II	SRSA92
200	2097.60	Os I	MCS75
20 r	2098.424	Sb I	SM02
150	2098.602	W II	EKM00
1000 P	2099.9273	Zn II	GL00
200	2100.63	Os I	MCS75
140	2100.675	W II	EKM00
70 P	2100.84	Mo II	MCS75
150	2101.54	W I	MCS75
50	2101.5979	Pt II	SRSA92
10	2101.6839	Pt I	SRSA92
10	2101.6839	Pt I	SRSA92
200	2102.1661	Zn II	GL00
70	2103.3449	Pt I	SRSA92
30	2103.7804	Pt II	SRSA92
30	2103.7804	Pt II	SRSA92
40	2104.29	Mo II	MCS75
90	2105.824	Ge I	AM59
90	2106.187	W II	EKM00
40	2108.02	Mo II	MCS75
50	2109.22	Re I	MCS75
600 P	2109.4384	Nb II	RCL00
60	2109.585	Mn I	CMG64
8	2109.6631	Pt I	SRSA92
200 P	2110.217	Bi I	WBBF01
80	2110.323	W II	EKM00
500 P	2110.685	Au II	RW97
150	2112.68	Ir I	MCS75

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
300 P,r	2113.8250	Ag II	KLLT01
60	2115.5823	Pt II	SRSA92
140 P	2116.67	Yb II	M67
70	2117.66	Os I	MCS75
150	2117.96	Os I	MCS75
130	2118.874	W II	EKM00
250	2119.79	Os	MCS75
150	2121.576	W II	EKM00
70	2123.84	Os I	MCS75
500	2125.2164	Nb II	RCL00
11	2125.25	Rb II	R75
300	2126.5498	Nb II	RCL00
150 P	2126.74	Yb II	M67
800 P	2126.81	Ir II	KM78
80	2127.4231	Pt II	SRSA92
250	2127.94	Ir I	MCS75
25	2128.5878	Pt I	SRSA92
90	2128.6340	Pt I	SRSA92
60	2130.7079	Pt II	SRSA92
500	2131.1832	Nb II	RCL00
120	2133.600	Bi I	WBBF01
7	2135.1631	Pt I	SRSA92
200 P	2135.465	P I	S80
600 P	2135.981	Cu II	R69
400 P	2136.182	P I	S80
200	2137.11	Os I	MCS75
1000 P	2138.5735	Zn I	GL00
600 P	2139.04	Re II	MCS75
40 P,r	2139.698	Sb I	SM02
500	2140.13	Ta II	MCS75
250 P	2142.74	Re II	MCS75
700 P	2142.822	Te I	MV75
300	2143.83	Rb II	R75
130 u	2144.2123	Pt I	SRSA92
900 P	2144.2458	Pt II	SRSA92
1000 P,r	2144.408	Cd II	SP49
40 P,r	2144.841	Sb I	SM02
600 P	2146.87	Ta II	MCS75
120 P	2147.260	Te I	MV75
200	2148.22	Ir I	MCS75
400 P	2149.145	P I	S80
80	2149.97	Os	MCS75
150	2150.54	Ir I	MCS75
300	2150.62	Ta II	MCS75
80 P	2150.844	Sn II	B64
600 P	2152.68	Ir II	KM78
30 P	2152.84	Sr II	MCS75
150 P	2152.940	P I	S80
50	2153.558	W II	EKM00
300 P	2154.080	P I	S80
90	2154.59	Os I	MCS75
150	2155.81	Ir I	MCS75
70	2156.67	Re I	MCS75
50	2157.796	W II	EKM00
40	2157.84	Os I	MCS75
500 P	2158.05	Ir I	MCS75
40	2158.53	Os I	MCS75
14	2159.864	Te I	MV75
80	2161.00	Os	MCS75
20	2161.60	Yb II	M67

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
800 P	2162.25	At I	M64a
120	2162.88	Ir I	MCS75
600 P	2164.188	Se I	LP77
250	2165.01	Ta II	MCS75
130 P	2165.09	Cu I	S48
20	2165.2108	Pt I	SRSA92
150 P	2165.553	Ni II	S70
30 P	2165.96	Sr II	MCS75
90	2166.316	W II	EKM00
110	2166.90	Os I	MCS75
40	2167.75	Os I	MCS75
90 P	2167.94	Re I	MCS75
300	2169.096	Ni II	S70
1000 P	2169.42	Ir II	MCS75
150 P,r	2170.005	Pb I	WA68
100	2170.855	Sb II	AJK89
70	2171.65	Os I	MCS75
300 P	2174.666	Ni II	S70
200	2174.6853	Pt I	SRSA92
50 P,c	2174.986	Be I	KM97
60 P	2175.103	Be I	KM97
250	2175.147	Ni II	S70
250	2175.24	Ir I	MCS75
600 P,r	2175.818	Sb I	SM02
60	2176.21	Re I	MCS75
300	2178.03	Ta II	MCS75
30	2178.0808	Fe I	NJLT94
150	2178.17	Ir I	MCS75
150 P	2178.94	Cu I	S48
100 P,r	2179.190	Sb I	SM02
500	2179.410	Cu II	R69
130	2180.473	Ni II	S70
11	2180.5042	Pt I	SRSA92
150 P	2181.72	Cu I	S48
500	2182.71	Ta II	MCS75
60	2182.90	W I	MCS75
130	2184.605	Ni II	S70
30	2184.68	Os I	MCS75
400 P	2185.504	Ni II	S70
50 P	2185.71	Yb II	M67
600 P	2186.930	Bi II	DLW02
300	2187.43	Ir II	MCS75
500	2189.630	Cu II	R69
200	2190.00	K II	D26
100	2190.3216	Pt II	SRSA92
200	2190.38	Ir II	MCS75
500 P	2192.090	Ni II	S70
600 P	2192.268	Cu II	R69
200	2193.20	Ta II	MCS75
200	2193.605	Co II	PRUJ98
500	2193.88	Ta II	MCS75
110 P	2194.39	Os II	MCS75
30	2194.528	W II	EKM00
1000	2194.557	Cd II	SP49
90 P,h	2195.54	Lu II	MCS75
600 P	2196.03	Ta II	MCS75
	2197.787	Ca II	ER56
130 P,r	2198.714	Ge I	AM59
200 P	2199.346	Sn I	B64
150	2199.58	Cu I	S48

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
600 P	2199.67	Ta II	MCS75
100	2201.409	Ni II	S70
30	2202.2230	Pt I	SRSA92
40	2202.4664	Pt II	SRSA92
500 P	2203.534	Pb II	WRSH74
80 P	2204.483	W II	EKM00
500 P	2204.96	Ir II	KM78
800 P	2205.548	Ni II	S70
700 P	2206.715	Ni II	S70
200	2207.14	Ta II	MCS75
400 P	2207.978	Si I	RA65
150	2208.09	Ir II	MCS75
120 P,r	2208.430	Sb I	SM02
	2208.611	Ca II	ER56
11	2208.806	Mn I	CMG64
40	2209.5043	Pt II	SRSA92
300 P	2209.660	Sn I	B64
600* P,d	2210.03	Ta II	MCS75
600* P	2210.19	Ta II	MCS75
500	2210.268	Cu II	R69
5 r	2210.71	Tl I	C52
60	2210.82	Hf II	MCS75
500 P	2210.894	Si I	RA65
300 P	2211.744	Si I	RA65
20	2213.855	Mn I	CMG64
400 h	2214.031	Bi II	DLW02
1000 P,c	2214.2749	Re II	WJLG97
40	2214.58	Re I	MCS75
150	2214.58	Cu I	S48
15	2215.630	Te I	MV75
1000 P	2216.482	Ni II	S70
500 P	2216.669	Si I	RA65
110	2217.08	Rb II	R75
400 P	2218.057	Si I	RA65
500 P	2218.108	Cu II	R69
80	2220.37	Ir I	MCS75
130	2220.402	Ni II	S70
30	2221.837	Mn I	CMG64
13	2222.6134	Pt I	SRSA92
150	2222.957	Ni II	S70
40 P	2224.46	Yb II	M67
20	2224.711	Hg II	SR01
120	2225.0094	Pt II	SRSA92
200 P	2225.70	Cu I	S48
30	2226.42	Re I	MCS75
150	2227.78	Cu I	S48
120 P	2228.203	Bi I	WBBF01
200	2228.915	Au II	RW97
250 P	2230.08	Cu I	S48
600 P	2230.602	Bi I	WBBF01
400 P	2231.5907	Pd II	LLJ94
40	2232.9725	Pt II	SRSA92
40	2234.61	Os I	MCS75
12	2234.9262	Pt I	SRSA92
15	2235.44	Re I	MCS75
600 P	2239.48	Ta II	MCS75
600 P	2240.8965	Pt II	SRSA92
40	2241.2288	Pt II	SRSA92
600	2242.618	Cu II	R69
400 P	2242.69	Ir II	KM78

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
25	2243.045	Y II	NJK91
300	2243.4485	Ag II	KLLT01
1000 P	2244.01	At I	M64a
250 P	2244.26	Cu I	S48
14	2244.9773	Pt I	SRSA92
400 P	2245.5244	Pt II	SRSA92
300 P	2246.057	Sn I	B64
700 P,r	2246.4120	Ag II	KLLT01
300 P	2246.5216	Pt II	SRSA92
700 P	2247.002	Cu II	R69
40	2247.4822	Pt II	SRSA92
400	2248.562	Au II	RW97
300 P,r	2248.7490	Ag II	KLLT01
30 P	2248.758	W II	EKM00
15	2249.3075	Pt I	SRSA92
60	2249.3075	Pt II	SRSA92
200	2249.79	Ta II	MCS75
50	2249.80	W I	MCS75
11	2249.8994	Pt I	SRSA92
500	2250.76	Ta II	MCS75
50	2251.5105	Pt II	SRSA92
30	2251.8084	Pt II	SRSA92
40	2252.15	Os I	MCS75
10	2252.786	Hg II	SR01
120	2253.38	Ir I	MCS75
40	2254.01	Hf II	MCS75
120	2255.10	Ir I	MCS75
5	2255.507	Te I	MV75
60	2255.53	Ru I	K59
8	2255.73	Re I	MCS75
80	2255.81	Ir I	MCS75
250 P	2255.85	Os II	MCS75
15	2256.19	Re I	MCS75
200	2256.745	Co II	PRUJ98
90	2256.76	La II	MCS75
200	2258.71	Ta II	MCS75
80	2258.86	Ir I	MCS75
20 P	2259.034	Te I	MV75
30	2259.5103	Fe I	NJLT94
60	2260.294	Hg II	SR01
400	2261.42	Ta II	MCS75
400 P	2262.223	Hg II	SR01
400	2262.30	Ta II	MCS75
120 r	2262.483	Sb I	SM02
600 P	2262.7185	Pt II	SRSA92
200	2263.08	Cu I	S48
700 P	2263.627	Au II	RW97
10	2263.634	Hg II	SR01
50	2263.8611	Pt II	SRSA92
40	2264.39	Re I	MCS75
150	2264.461	Ni II	S70
50	2264.60	Os I	MCS75
50	2264.61	Ir I	MCS75
1000 P	2265.018	Cd II	SP49
5	2265.536	Te I	MV75
80 P	2266.016	Sn II	B64
60	2266.33	Ir I	MCS75
15	2267.65	Cs II	S81
15	2268.8384	Pt I	SRSA92
60	2268.90	Ir I	MCS75

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
300 P	2268.930	Sn I	B64
40 P	2269.096	Al I	KM91b
20	2269.69	Mo II	MCS75
30	2270.17	Os I	MCS75
300 P	2270.214	Ni II	S70
40	2271.6194	Pt II	SRSA92
300	2271.85	Ta II	MCS75
70	2272.091	Ru I	K59
400	2272.59	Ta II	MCS75
8	2273.84	Cs II	S81
50	2274.3816	Pt I	SRSA92
40	2274.62	Re I	MCS75
12	2274.8409	Pt I	SRSA92
900 P,c	2275.2532	Re II	WJLG97
120	2275.462	Ca I	R68
70	2277.16	Hf II	MCS75
130	2277.282	Ni II	S70
60	2277.58	W I	MCS75
130	2278.770	Ni II	S70
70	2279.582	Ru I	K59
80	2279.85	Ta I	MCS75
25	2279.967	Ti I	F91
300 P	2279.9812	Ag II	KLLT01
150 P	2281.02	Ir II	MCS75
70	2281.1942	Pt II	SRSA92
30	2281.62	Re I	MCS75
200 P	2282.26	Os II	MCS75
200	2283.522	Co II	PRUJ98
30	2283.67	Os I	MCS75
300	2285.25	Ta II	MCS75
1000 P	2286.159	Co II	PRUJ98
40	2286.4390	Pt II	SRSA92
250	2286.59	Ta II	MCS75
300	2286.681	Sn I	B64
60	2287.3643	Pt II	SRSA92
50	2287.51	Re I	MCS75
800 P,r	2288.022	Cd I	BA56
50 P,r	2288.12	As I	HA85
400 P	2288.2050	Pt II	SRSA92
400	2289.16	Ta II	MCS75
15	2289.2765	Pt I	SRSA92
200	2289.987	Ni I	LBT93
60	2291.71	Rb II	R75
200	2291.991	Co II	PRUJ98
60	2292.3987	Pt I	SRSA92
30	2292.5249	Fe I	NJLT94
300	2293.390	Co II	PRUJ98
250	2293.84	Cu I	S48
60 d	2294.49	W I	MCS75
50	2294.49	Re I	MCS75
110	2295.6800	Nb II	RCL00
700 P	2296.5164	Pd II	LLJ94
50	2298.05	Ir I	MCS75
1000 P	2298.058	Tl II	JKBL96
60	2298.09	Re II	MCS75
60	2298.1689	Fe I	NJLT94
7	2299.77	Re I	MCS75
30	2300.1418	Fe I	NJLT94
50	2300.50	Ir I	MCS75
80	2300.781	Ni I	LBT93

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
300	2301.403	Co II	PRUJ98
30	2302.3068	Pt II	SRSA92
11	2302.99	Re I	MCS75
150	2302.996	Ni II	S70
150	2304.22	Ir I	MCS75
20 P	2304.247	Ba II	KL99
250	2304.684	Au II	RW97
25	2305.674	Ti I	F91
6 P,c	2306.046	In II	PC38,B69
120 r	2306.507	Sb I	SM02
12	2306.54	Re I	MCS75
1	2306.86	In I	P38
800 P	2307.860	Co II	PRUJ98
25	2308.0437	Pt I	SRSA92
25	2308.31	Os I	MCS75
50	2308.93	Ir I	MCS75
120	2309.010	Co I	PT96
250 P	2310.961	Ni I	LBT93
500 P	2310.9626	Pt II	SRSA92
1000 P,r	2311.463	Sb I	SM02
500 P	2311.604	Co II	PRUJ98
200	2312.344	Ni I	LBT93
1000 P	2312.766	Cd II	SP49
50	2313.17	W I	MCS75
150	2313.656	Ni I	LBT93
25	2313.75	Os II	MCS75
150	2313.983	Ni I	LBT93
500 P	2314.056	Co II	PRUJ98
300	2314.975	Co II	PRUJ98
9	2315.5024	Pt I	SRSA92
150	2315.65	Na II	W71
7	2315.98	Tl I	MCS75
150 P	2316.039	Ni II	S70
200	2317.0342	Ag II	KLLT01
200	2317.070	Co II	PRUJ98
150	2317.165	Ni I	LBT93
400	2317.230	Sn I	B64
500 h	2317.30	Br II	R58
40	2317.784	Ru I	K59
40	2318.2969	Pt I	SRSA92
30	2319.8869	Pt II	SRSA92
300 P	2320.034	Ni I	LBT93
400 P,r	2320.2451	Ag II	KLLT01
8	2320.81	Yb II	M67
200	2321.074	Cd II	SP49
250	2321.383	Ni I	LBT93
50	2321.63	W I	MCS75
70	2322.47	Hf II	MCS75
15	2322.49	Re I	MCS75
40	2322.58	Rh I	MCS75
110	2323.145	Co I	PT96
40	2323.25	Hf II	MCS75
300	2324.321	Co II	PRUJ98
300 P,r	2324.6670	Ag II	KLLT01
40	2324.89	Hf II	MCS75
150	2325.802	Ni I	LBT93
200	2326.100	Co II	PRUJ98
30	2326.3386	Pt II	SRSA92
500	2326.473	Co II	PRUJ98
60	2327.3958	Fe II	NLTH91

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
10	2329.836	Li II	HM59
110	2329.970	Ni I	LBT93
60	2331.3084	Fe II	NLTH91
500 P,r	2331.3665	Ag II	KLLT01
300	2331.98	Ta II	MCS75
250	2332.19	Ta II	MCS75
14	2332.46	Cs II	S81
200	2332.7990	Fe II	NLTH91
30	2333.30	Ir I	MCS75
20	2333.39	Rb II	R75
40	2333.84	Ir I	MCS75
30	2334.50	Ir I	MCS75
800 P	2334.77	Rh II	S58
400	2334.812	Sn I	B64
30 P	2335.267	Ba II	KL99
90 P	2336.80	Os II	MCS75
60	2337.488	Ni I	LBT93
120	2338.0065	Fe II	NLTH91
30	2339.0741	Pt II	SRSA92
14	2340.1805	Pt I	SRSA92
90	2343.18	Ir I	MCS75
400 P	2343.4951	Fe II	NLTH91
40	2343.61	Ir I	MCS75
50	2343.9610	Fe II	NLTH91
90	2344.2816	Fe II	NLTH91
15	2344.78	Re I	MCS75
150 P	2345.543	Ni I	LBT93
200 P	2347.399	Co II	PRUJ98
40	2347.44	Hf II	MCS75
50	2347.514	Ni I	LBT93
120	2348.1159	Fe II	NLTH91
150	2348.3025	Fe II	NLTH91
1000 P	2348.610	Be I	KM97
100 P,r	2349.84	As I	HA85
30	2350.23	Os II	MCS75
60	2350.703	Be I	KM97
300 P	2350.829	Be I	KM97
60	2351.22	Hf II	MCS75
400 P	2351.3469	Pd II	LLJ94
12	2352.07	Re I	MCS75
15	2352.65	Au I	MCS75
90	2353.368	Co I	PT96
200 P	2353.422	Co II	PRUJ98
700 P	2354.850	Sn I	B64
30	2355.00	Ir I	MCS75
15	2355.28	Os II	MCS75
40	2357.1047	Pt I	SRSA92
100	2357.30	Ta I	MCS75
200 P	2357.916	Ru II	JJLL94
120	2359.1322	Fe II	NLTH91
90	2359.9997	Fe II	NLTH91
70	2360.2945	Fe II	NLTH91
70	2360.44	W I	MCS75
800	2360.5341	Pd II	LLJ94
100	2361.09	Ta I	MCS75
30	2361.92	Rh I	MCS75
30	2362.77	Os I	MCS75
150	2363.04	Ir I	MCS75
100	2363.07	W I	MCS75
500 P	2363.800	Co II	PRUJ98

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
40	2363.8612	Fe II	NLTH91
250	2364.24	Ta II	MCS75
120	2364.8281	Fe II	NLTH91
50	2365.7654	Fe II	NLTH91
20	2365.90	Re I	MCS75
30	2366.3729	Pt II	SRSA92
50 P	2367.052	Al I	KM91b
60 P	2367.35	Os II	MCS75
10	2367.68	Re I	MCS75
300 P	2367.9664	Pd II	LLJ94
60 P	2368.04	Ir II	KM78
80 P	2368.226	Sn II	B64
14	2368.2781	Pt I	SRSA92
600 P	2368.384	Bi II	DLW02
50	2368.5964	Fe II	NLTH91
9	2369.27	Re I	MCS75
50	2369.9534	Fe II	NLTH91
40	2370.76	Re II	MCS75
70 P,r	2370.77	As I	HA85
120	2371.58	Ta I	MCS75
200 P	2372.77	Ir I	MCS75
100	2373.06	Te II	HM64
90 P	2373.124	Al I	KM91b
40	2373.6245	Fe I	NJLT94
150 h	2373.631	Sb I	SM02
60	2373.7357	Fe II	NLTH91
60	2374.47	W I	MCS75
12	2375.06	Os II	MCS75
50	2375.09	Ir II	MCS75
40	2375.1940	Fe II	NLTH91
150	2375.418	Ni II	S70
70	2376.4294	Fe II	NLTH91
90	2377.03	Os I	MCS75
60	2377.2773	Pt II	SRSA92
400 P	2378.626	Co II	PRUJ98
50	2379.2765	Fe II	NLTH91
30	2379.39	Os I	MCS75
40 P,h	2379.69	Tl I	MCS75
70	2380.7616	Fe II	NLTH91
10	2381.538	Li II	HM59
30	2381.62	Ir I	MCS75
200	2381.765	Co II	PRUJ98
1000 P	2382.0376	Fe II	NLTH91
30	2382.89	Rh I	MCS75
20	2383.199	Li II	HM59
40	2383.2452	Fe II	NLTH91
50 P	2383.277	Te I	MV75
6	2383.303	Cr I	K53
25	2383.40	Rh I	MCS75
300 P	2383.459	Co II	PRUJ98
120 h	2383.616	Sb I	SM02
8	2383.6432	Pt I	SRSA92
80	2384.82	W I	MCS75
20	2385.34	Rb II	R75
7 c	2385.40	He II	GM65
60 P	2385.792	Te I	MV75
200 P	2386.370	Co II	PRUJ98
500	2386.70	Br II	R58
7	2386.8089	Pt I	SRSA92
80	2386.89	Ir I	MCS75

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
600 P	2387.06	Ta II	MCS75
60	2387.29	Os I	MCS75
11	2387.75	Au I	MCS75
200	2388.6289	Fe II	NLTH91
500 P	2388.917	Co II	PRUJ98
400	2388.96	Br II	R58
25	2389.5358	Pt I	SRSA92
2	2389.54	In I	P38
500	2389.69	Br II	R58
150	2390.62	Ir I	MCS75
9	2390.74	Yb II	M67
150	2391.18	Ir I	MCS75
250	2392.63	Cu I	S48
10	2392.86	Cs II	S81
50	2393.36	Hf II	MCS75
50 P,r	2393.792	Pb I	WA68
80	2393.83	Hf II	MCS75
150	2394.519	Ni II	S70
200 P	2395.048	B II	O70
700 P	2395.6254	Fe II	NLTH91
40	2395.88	Os I	MCS75
50	2397.107	W II	EKM00
200	2397.386	Co II	PRUJ98
70	2397.73	W I	MCS75
70	2397.98	W I	MCS75
200	2399.2413	Fe II	NLTH91
1000 P	2400.63	Ta II	MCS75
30	2401.13	Os I	MCS75
20 r	2401.940	Pb I	WA68
15	2402.331	Li II	HM59
1000 P	2402.72	Ru II	MCS75
11	2403.0918	Pt I	SRSA92
200	2404.172	Co II	PRUJ98
500 P	2404.8858	Fe II	NLTH91
25	2405.06	Re I	MCS75
12	2405.08	Os II	MCS75
60	2405.42	Hf II	MCS75
200 d	2405.58	W I	MCS75
13	2405.60	Re I	MCS75
40	2405.7269	Pt II	SRSA92
150	2406.66	Cu I	S48
150	2406.6612	Fe II	NLTH91
50	2406.9761	Fe II	NLTH91
250 P	2407.256	Co I	PT96
7	2408.60	Cr I	K53
40	2410.14	Hf II	MCS75
200	2410.5192	Fe II	NLTH91
10	2410.842	Li II	HM59
120	2411.0677	Fe II	NLTH91
250 P	2411.624	Co I	PT96
4 r	2411.734	Pb I	WA68
1000 P,r	2413.1883	Ag II	KLLT01
30	2413.31	Ir I	MCS75
90	2413.3104	Fe II	NLTH91
700 P	2413.535	Se I	LP77
250	2414.464	Co I	PT96
250	2415.290	Co I	PT96
70	2415.68	W I	MCS75
300 P	2415.84	Rh II	S58
300	2416.134	Ni II	S70

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
300	2417.659	Co II	PRUJ98
40	2417.69	Hf II	MCS75
50	2417.8707	Fe II	NLTH91
10	2418.0583	Pt I	SRSA92
40	2418.11	Ir I	MCS75
20	2419.81	Re I	MCS75
12	2420.02	Os II	MCS75
2	2420.456	Ar II	N73
40	2420.8161	Pt II	SRSA92
150	2420.99	Na II	W71
600 P	2421.694	Sn I	B64
40	2422.186	Y II	NJK91
40	2422.6882	Fe II	NLTH91
25	2423.07	Os II	MCS75
90	2424.1456	Fe II	NLTH91
100	2424.21	W I	MCS75
150	2424.73	Na II	W71
150	2424.8672	Pt II	SRSA92
200 P	2424.935	Co I	PT96
50	2424.97	Os I	MCS75
30	2426.53	Ir II	MCS75
30	2427.61	Ir I	MCS75
140	2427.64	Ta I	MCS75
250 P	2427.95	Au I	MCS75
70	2428.3638	Fe II	NLTH91
50	2428.58	Re I	MCS75
700 P	2429.495	Sn I	B64
25	2429.52	Rh I	MCS75
10	2429.814	Li II	HM59
70	2430.0783	Fe II	NLTH91
70	2431.08	W I	MCS75
30	2431.24	Ir I	MCS75
9	2431.54	Re I	MCS75
80	2431.94	Ir I	MCS75
8	2432.18	Re I	MCS75
150	2432.213	Co I	PT96
50	2432.2612	Fe II	NLTH91
200	2432.70	Ta II	MCS75
40	2432.8732	Fe II	NLTH91
25	2433.3064	Pt II	SRSA92
70	2433.98	W I	MCS75
40	2434.4610	Pt II	SRSA92
300	2435.154	Si I	RA65
200	2435.96	W I	MCS75
140	2436.662	Co I	PT96
25	2436.6887	Pt I	SRSA92
1000 P,r	2437.7832	Ag II	KLLT01
250	2438.69	Te II	HM64
110	2439.040	Co I	PT96
90	2439.3014	Fe II	NLTH91
110	2440.0608	Pt I	SRSA92
40	2440.34	Rh I	MCS75
100 P	2441.64	Cu I	S48
200	2442.617	Co II	PRUJ98
40	2443.7100	Fe II	NLTH91
70	2444.06	W I	MCS75
60	2444.5154	Fe II	NLTH91
150 r	2445.502	Sb I	SM02
250	2445.538	O II	MKM93
60	2445.5732	Fe II	NLTH91

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
200	2446.017	Co II	PRUJ98
500 P	2446.1888	Pd II	LLJ94
11	2446.98	Re I	MCS75
50	2447.25	Hf II	MCS75
200	2447.711	Co II	PRUJ98
300 P	2447.9058	Pd I	ELLW98
25	2448.908	Sn II	B64
11	2449.71	Re I	MCS75
200	2450.002	Co II	PRUJ98
600 P,w	2450.08	Po I	C66a
150	2450.08	Ga I	MM52
80	2450.4390	Pt II	SRSA92
30	2450.74	Os I	MCS75
7 c	2450.9670	Pt I	SRSA92
50	2451.476	W II	EKM00
100	2452.00	W I	MCS75
50	2452.81	Ir I	MCS75
50	2454.72	W I	MCS75
14	2454.91	Os II	MCS75
70	2454.98	W I	MCS75
90	2455.51	W I	MCS75
250	2455.531	Ru II	JJ93
80	2455.61	Ir I	MCS75
30	2455.83	Re II	MCS75
200 P	2456.438	Ru II	JJLL94
400 P,r	2456.53	As I	HA85
90	2456.53	W I	MCS75
500 P	2456.57	Ru II	MCS75
150	2457.5891	Fe I	NJLT94
90	2458.7838	Fe II	NLTH91
130	2459.30	W I	MCS75
3	2460.08	In I	P38
40	2460.4404	Fe II	NLTH91
50	2460.49	Hf II	MCS75
400 P	2461.03	Rh II	S58
7	2461.20	Re I	MCS75
50	2461.2835	Fe II	NLTH91
60	2461.42	Os I	MCS75
130 c	2461.84	Re II	MCS75
60	2461.8610	Fe II	NLTH91
150	2462.6472	Fe I	NJLT94
1000 P	2462.764	Cm II	WHGC76
60	2462.79	W I	MCS75
50	2464.19	Hf II	MCS75
200	2464.199	Co II	PRUJ98
25 P	2464.50	Yb I	MT78
30 h	2464.77	Kr II	RCWM80
80	2465.1492	Fe I	NJLT94
40	2466.6713	Fe II	NLTH91
40	2466.8194	Fe II	NLTH91
150	2466.85	W I	MCS75
50	2467.30	Ir I	MCS75
50	2467.4003	Pt I	SRSA92
10	2467.4824	Pt I	SRSA92
30	2467.57	Re II	MCS75
2 h	2468.02	In I	P38
60	2468.8799	Fe I	NJLT94
14	2468.90	Os II	MCS75
250	2469.2517	Pd II	LLJ94
40	2469.5147	Fe II	NLTH91

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
50	2470.6694	Fe II	NLTH91
600	2472.20	Rb II	R75
80	2472.3320	Fe I	NJLT94
60	2472.51	W I	MCS75
100	2472.8713	Fe I	NJLT94
140	2474.15	W I	MCS75
250	2474.62	Ta I	MCS75
60	2474.8145	Fe I	NJLT94
200 P	2475.12	Ir I	MCS75
250 P	2476.4127	Pd I	ELLW98
30	2476.84	Os I	MCS75
200	2477.1279	Ag II	KLLT01
150	2478.316	Sb I	SM02
400 P	2478.561	C I	J66
40	2478.5722	Fe II	NLTH91
400 P	2478.93	Ru II	MCS75
40	2478.9449	Pt II	SRSA92
120	2479.7764	Fe I	NJLT94
100	2480.13	W I	MCS75
90	2480.13	Tm II	MCS75
60	2480.1577	Fe II	NLTH91
50	2480.96	W I	MCS75
120	2481.18	Ir I	MCS75
150	2481.44	W I	MCS75
60 d	2482.10	W I	MCS75
50	2482.1172	Fe II	NLTH91
60	2482.6577	Fe II	NLTH91
1000 P	2483.2708	Fe I	NJLT94
200	2483.410	Sn I	B64
30	2483.5334	Fe I	NJLT94
20	2483.92	Re I	MCS75
300	2483.94	Po I	C66a
100	2484.1875	Fe I	NJLT94
40	2484.2446	Fe II	NLTH91
70	2484.74	W I	MCS75
200	2484.95	Ta I	MCS75
7	2485.81	Re I	MCS75
70 P	2486.24	Os II	MCS75
80	2486.3728	Fe I	NJLT94
200	2486.441	Co II	PRUJ98
400 P	2486.5260	Pd II	LLJ94
60	2486.967	Sn II	B64
40	2486.9827	Pt II	SRSA92
200 P	2487.1685	Pt I	SRSA92
200 P	2487.1685	Pt I	SRSA92
20	2487.33	Re I	MCS75
50	2487.50	W I	MCS75
600 P	2488.1426	Fe I	NJLT94
250	2488.70	Ta II	MCS75
40	2488.8753	Pt II	SRSA92
700 P	2488.9146	Pd II	LLJ94
25	2489.231	W II	EKM00
50	2489.4833	Fe II	NLTH91
100	2489.7524	Fe I	NJLT94
25	2490.1265	Pt I	SRSA92
200	2490.46	Ta I	MCS75
300	2490.53	Po I	C66a
500 P	2490.6443	Fe I	NJLT94
400 P	2490.79	Rh II	S58
40	2490.8584	Fe II	NLTH91

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
200	2491.1550	Fe I	NJLT94
60	2491.3965	Fe II	NLTH91
200 P	2492.15	Cu I	S48
20	2492.48	Kr II	DHM33
300 h	2492.85	Pa II	BW92b
40	2493.08	Ir I	MCS75
600	2493.15	Na II	W71
60	2493.1846	Fe II	NLTH91
300 P	2493.2637	Fe II	NLTH91
100 P	2494.728	Be I	KM97
70	2495.26	W I	MCS75
140	2495.724	Sn I	B64
20	2495.8126	Pt I	SRSA92
8	2496.30	Cr I	K53
20	2496.38	Rb II	R75
60	2496.5337	Fe I	NJLT94
500 P	2496.769	B I	JLKK93
200	2496.77	Tc II	BMC67
800 P	2497.722	B I	JLKK93
90	2498.41	Os I	MCS75
200	2498.42	Ru II	MCS75
60	2498.4996	Pt I	SRSA92
200	2498.57	Ru II	MCS75
40	2498.6806	Pt II	SRSA92
400 P	2498.7769	Pd II	LLJ94
200	2498.821	Co II	PRUJ98
200	2500.19	Ga I	MM52
500	2500.54	Ge II	S63a
100	2501.1318	Fe I	NJLT94
300 P	2501.9945	Zn II	GL00
90 P	2502.35	Re II	MCS75
40	2502.3930	Fe II	NLTH91
250 P	2502.98	Ir I	MCS75
40	2503.8745	Fe II	NLTH91
10	2504.31	Cr I	K53
250	2504.45	Ta I	MCS75
40	2504.60	Re II	MCS75
80	2504.70	W I	MCS75
300	2505.7293	Pd II	LLJ94
50	2506.0935	Fe II	NLTH91
500	2506.464	Co II	PRUJ98
400 P	2506.897	Si I	RA65
15	2506.940	Li II	HM59
300 P	2507.01	Ru II	MCS75
250	2507.45	Ta I	MCS75
20	2507.782	V I	DA78
50	2507.9004	Fe I	NJLT94
7	2508.4973	Pt I	SRSA92
30	2508.785	Li II	HM59
30 c	2508.99	Re I	MCS75
150	2509.08	Tm II	MCS75
40	2509.70	Rh I	MCS75
100	2510.8350	Fe I	NJLT94
200	2511.160	Co II	PRUJ98
9 c	2511.20	He II	GM65
70	2511.7603	Fe II	NLTH91
8	2512.061	Yb II	M67
40	2512.3650	Fe I	NJLT94
30	2512.58	Ir II	MCS75
90	2512.65	Ta I	MCS75

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
70	2512.69	Hf II	MCS75
25	2512.87	Os I	MCS75
70	2513.03	Hf II	MCS75
80	2513.25	Os I	MCS75
70	2513.8885	Pt II	SRSA92
400 P	2514.316	Si I	RA65
25	2515.04	Os I	MCS75
300	2515.46	Na II	W71
40	2515.5770	Pt I	SRSA92
20	2515.75	Rh I	MCS75
500 P	2516.112	Si I	RA65
3	2516.789	Ar II	N73
100 P	2516.88	Hf II	MCS75
30	2517.6611	Fe I	NJLT94
80	2518.1018	Fe I	NJLT94
25	2518.44	Os I	MCS75
40	2519.0472	Fe II	NLTH91
400 P	2519.202	Si I	RA65
20	2519.51	Cr I	K53
20	2519.622	V I	DA78
500	2519.823	Co II	PRUJ98
10	2520.01	Re I	MCS75
500 P	2520.52	Rh II	S58
90	2521.32	W I	MCS75
200 P	2521.365	Co I	PT96
6	2521.37	In I	P38
10	2521.50	Re I	MCS75
400	2521.70	Br II	R58
400 P	2522.8494	Fe I	NJLT94
90	2523.41	W I	MCS75
400 P	2524.108	Si I	RA65
11	2524.24	Rb II	R75
50	2524.2925	Fe I	NJLT94
9	2524.3065	Pt I	SRSA92
200	2524.634	Co II	PRUJ98
300	2524.974	Co II	PRUJ98
120	2525.3879	Fe II	NLTH91
30	2525.586	Ti II	HJLW82
30	2526.221	V I	DA78
200	2526.2939	Fe II	NLTH91
500 d	2526.35	Ta I	MCS75
200	2527.4351	Fe I	NJLT94
50	2527.76	W I	MCS75
400 P	2528.509	Si I	RA65
800 P,r	2528.509	Sb I	SM02
500	2528.616	Co II	PRUJ98
80	2528.7336	Pt II	SRSA92
140	2528.970	Co I	PT96
80	2529.1350	Fe I	NJLT94
25	2529.871	Ti I	F91
200	2530.080	Co II	PRUJ98
20	2530.183	V I	DA78
5	2530.738	Te I	MV75
700 P	2530.740	Tl II	JKBL96
40	2531.19	Hf II	MCS75
300	2531.54	Na II	W71
250	2532.12	Ta II	MCS75
60	2533.13	Ir I	MCS75
400	2533.518	Au II	RW97
70	2533.6274	Fe II	NLTH91

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
90	2533.64	W I	MCS75
200	2533.801	Co II	PRUJ98
400 P	2533.987	P I	M59
7	2534.221	Mn II	IV64
60	2534.4186	Fe II	NLTH91
60	2534.46	Ir I	MCS75
3	2534.709	Ar II	N73
70	2535.4856	Fe II	NLTH91
500 P	2535.606	P I	M59
40	2535.6069	Fe I	NJLT94
8	2535.658	Mn II	IV64
140	2535.966	Co I	PT96
1000 P,c	2536.517	Hg I	BAL50
40	2536.6726	Fe II	NLTH91
120	2536.80	Fe II	C74
30	2537.22	Ir I	MCS75
8	2537.919	Mn II	IV64
100 P	2538.00	Os II	MCS75
30	2538.46	Mo II	MCS75
15	2538.67	Yb II	M67
60	2538.7987	Fe II	NLTH91
60	2538.9094	Fe II	NLTH91
90	2538.99	Fe II	C74
30	2539.2067	Pt I	SRSA92
20	2539.487	Li II	HM59
10	2540.51	Re I	MCS75
120	2540.66	Fe II	C74
60	2540.9722	Fe I	NJLT94
50	2541.1010	Fe II	NLTH91
40	2541.8358	Fe II	NLTH91
25	2541.908	Ti I	F91
300	2541.953	Co II	PRUJ98
30	2542.02	Ir I	MCS75
30	2542.1013	Fe I	NJLT94
30	2542.51	Os I	MCS75
25	2542.67	Mo II	MCS75
1000 P	2543.23	Tc II	BMC67
40	2543.3781	Fe II	NLTH91
500 P	2543.97	Ir I	MCS75
13 d	2544.74	Re I	MCS75
120	2544.806	Nb II	RCL00
70	2545.34	W I	MCS75
40	2545.70	Rh I	MCS75
80	2545.9785	Fe I	NJLT94
50	2546.03	Ir I	MCS75
300	2546.549	Sn I	B64
50	2546.6701	Fe II	NLTH91
200	2546.739	Co II	PRUJ98
90	2546.80	Ta I	MCS75
140	2547.14	W I	MCS75
300	2547.98	Se I	RG34
11	2548.225	Mo I	WB88
60	2548.7442	Fe II	NLTH91
8	2548.750	Mn II	IV64
50	2549.0833	Fe II	NLTH91
50	2549.3947	Fe II	NLTH91
40	2549.4616	Fe II	NLTH91
8	2549.548	Cr I	K53
50	2549.56	Ru I	K59
60	2549.6133	Fe I	NJLT94

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
200	2550.02	K II	D26
40	2550.0274	Fe II	NLTH91
90	2550.38	W I	MCS75
30	2550.6832	Fe II	NLTH91
200 d	2551.07	Ta I	MCS75
300 P	2551.35	W I	MCS75
40	2551.40	Hf II	MCS75
10	2551.70	Li II	SO82
300	2551.8452	Pd II	LLJ94
100	2552.350	Sc II	JL80
100	2552.658	Au II	RW97
40	2552.764	Tm I	SMC73
400 P	2553.253	P I	M59
50	2553.82	W I	MCS75
9 P,d	2554.434	In II	PC38
200	2554.62	Ta II	MCS75
60	2554.63	Re II	MCS75
25 P	2554.853	W II	EKM00
300	2554.904	P I	M59
90	2555.05	Ta I	MCS75
40 P	2555.095	W II	EKM00
60	2555.36	Rh I	MCS75
20	2556.51	Re I	MCS75
500 P	2557.9460	Zn II	GL00
600 P,w	2558.01	Po I	C66a
8	2558.605	Mn II	IV64
300	2559.405	Co II	PRUJ98
500 P	2559.43	Ta I	MCS75
200	2560.031	Co II	PRUJ98
60 P	2560.150	In I	P38
80	2560.232	Sc II	JL80
6	2560.695	Cr I	K53
60	2561.65	Tm II	MCS75
80	2561.97	W I	MCS75
5	2562.087	Ar II	N73
200	2562.10	Ta I	MCS75
80	2562.123	Ne II	P71
250	2562.5356	Fe II	NLTH91
25	2563.16	Os II	MCS75
120	2563.4755	Fe II	NLTH91
12	2563.642	Mn II	IV64
500	2564.034	Co II	PRUJ98
50	2564.18	Ir I	MCS75
150	2565.5045	Pd II	LLJ94
120	2565.593	Th II	GSZ70
20	2566.49	Os I	MCS75
40	2566.9126	Fe II	NLTH91
90 w	2567.121	Ne II	P71
100	2567.82	Te II	HM64
25	2567.984	Al I	KM91b
90 P	2568.64	Re II	MCS75
300 P	2568.871	Zr II	J98
30	2571.444	W II	EKM00
400 P	2571.457	Zr II	J98
400	2571.594	Sn I	B64
100	2571.67	Hf II	MCS75
8	2571.74	Cr I	K53
60	2571.81	Re II	MCS75
11	2572.345	Mo I	WB88
20	2572.755	Mn I	CMG64

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
500 P	2572.930	Cd II	SP49
150	2573.54	Ta I	MCS75
150	2573.79	Ta I	MCS75
40	2573.90	Hf II	MCS75
20	2574.018	V I	DA78
90	2574.3662	Fe II	NLTH91
50	2574.96	Te II	HM64
50 P	2575.094	Al I	KM91b
20	2575.509	Mn I	CMG64
1000 P	2576.103	Mn II	KG00
30	2576.6902	Fe I	NJLT94
40	2576.82	Hf II	MCS75
4	2577.14	Eu II	MCS75
40	2577.26	Ir I	MCS75
250	2577.37	Ta II	MCS75
130	2577.78	Ta I	MCS75
40	2577.9219	Fe II	NLTH91
40	2578.14	Hf II	MCS75
20	2578.32	Os II	MCS75
90	2578.79	Lu II	MCS75
80	2579.31	Pr I	MCS75
15	2580.03	Os II	MCS75
40 P	2580.14	Tl I	MCS75
800	2580.326	Co II	PRUJ98
100	2580.49	W I	MCS75
140	2580.8102	Pt II	SRSA92
25	2581.96	Os I	MCS75
300	2582.240	Co II	PRUJ98
40	2582.54	Hf II	MCS75
60	2582.5832	Fe II	NLTH91
100	2582.79	I II	MC60
120	2583.987	Nb II	RCL00
20	2584.302	Mn I	CMG64
150	2584.5359	Fe I	NJLT94
300 P	2585.8758	Fe II	NLTH91
300	2586.31	Na II	W71
7	2586.79	Re I	MCS75
500	2587.220	Co II	PRUJ98
500	2587.524	Co II	PRUJ98
200	2588.904	Co II	PRUJ98
25	2589.160	W II	EKM00
30	2590.76	Os I	MCS75
120	2590.943	Nb II	RCL00
50	2591.12	Te II	HM64
60	2591.5428	Fe II	NLTH91
20	2591.84	Cr I	K53
40	2592.06	Ir I	MCS75
15	2592.20	Nb I	MCS75
200 P	2592.534	Ge I	AM59
50	2592.85	Te II	HM64
9	2592.944	Mn I	CMG64
150	2593.08	Ta I	MCS75
25	2593.640	Ti I	F91
20	2593.710	Mo II	SPNL01
500 P	2593.720	Mn II	KG00
140	2594.421	Sn I	B64
300	2594.96	Na II	W71
200	2595.26	Ta I	MCS75
9	2595.763	Mn I	CMG64
20	2596.00	Os II	MCS75

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
15	2596.489	Tm I	SMC73
600 P,r	2598.048	Sb I	SM02
200 r	2598.084	Sb I	SM02
400 P	2598.3692	Fe II	NLTH91
8	2598.905	Mn II	IV64
40	2599.04	Ir I	MCS75
300	2599.16	Pa II	BW92b
700 P	2599.3956	Fe II	NLTH91
30	2599.5669	Fe I	NJLT94
30	2599.904	Ti I	F91
11	2601.76	In I	P38
20	2602.800	Mo II	SPNL01
9	2603.1374	Pt I	SRSA92
250	2603.49	Ta II	MCS75
15	2605.081	Li II	HM59
40	2605.133	Ti I	F91
400 P	2605.680	Mn II	KG00
50	2605.72	Te II	HM64
50	2606.37	Hf II	MCS75
80	2606.39	W I	MCS75
200	2606.5162	Fe II	NLTH91
80	2606.8264	Fe I	NJLT94
50	2607.03	Hf II	MCS75
90	2607.06	Tm II	MCS75
300 P	2607.0871	Fe II	NLTH91
40	2608.25	Ir I	MCS75
110 P	2608.50	Re II	MCS75
10	2608.5576	Zn I	GL00
500 P	2608.63	Ta I	MCS75
30	2609.062	Ru I	K59
1000 P,c	2609.99	Tc II	BMC67
15	2610.200	Mn II	IV64
70	2611.285	Ti I	F91
110	2611.30	Ir I	MCS75
120 d	2611.34	Ta I	MCS75
11 d	2611.54	Re I	MCS75
500	2611.81	Na II	W71
400 P	2611.8736	Fe II	NLTH91
80	2612.06	Ru I	K59
120 r	2612.304	Sb I	SM02
60	2613.06	Os I	MCS75
110	2613.08	W I	MCS75
10	2613.084	Mo I	WB88
100	2613.40	Lu II	MCS75
15 r	2613.655	Pb I	WA68
60	2613.82	W I	MCS75
200	2613.8243	Fe II	NLTH91
200 P,r	2614.175	Pb I	WA68
150	2614.23	Tc I	BMC67
1000 P	2615.42	Lu II	MCS75
130	2615.46	Ta I	MCS75
120	2615.66	Ta I	MCS75
100	2615.87	Tc I	BMC67
400	2616.393	Au II	RW97
14	2616.786	Mo I	WB88
6	2617.01	Yb II	M67
1000	2617.169	Cm II	WHGC76
200	2617.6174	Fe II	NLTH91
40	2618.145	Mn II	IV64
250	2618.37	Cu I	S48

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
100	2619.26	Lu II	MCS75
40	2619.933	Ti I	F91
30	2619.94	Os I	MCS75
50	2620.25	W I	MCS75
60	2620.41	Fe II	D38
20	2621.82	Os I	MCS75
50	2622.21	W I	MCS75
50	2622.74	Hf II	MCS75
80	2623.107	Ne II	P71
40	2623.5339	Fe I	NJLT94
25	2623.688	Dy I	NG00
80	2624.33	Tm II	MCS75
50	2624.86	Te II	HM64
50	2625.22	W I	MCS75
15	2625.606	Mn II	IV64
120	2625.6671	Fe II	NLTH91
25	2625.88	Rh I	MCS75
80	2627.904	Bi I	WBBF01
200 P	2628.0269	Pt I	SRSA92
90	2628.2931	Fe II	NLTH91
15	2629.850	Mo I	WB88
80	2629.885	Ne II	P71
150	2631.0471	Fe II	NLTH91
200	2631.282	Si I	RA65
150	2631.3232	Fe II	NLTH91
15	2632.354	Mn II	IV64
50	2632.48	W I	MCS75
50	2632.70	W I	MCS75
90	2633.13	W I	MCS75
40	2634.17	Ir I	MCS75
20	2634.803	Dy II	NG00
200	2634.91	Tc II	BMC67
120	2635.529	U II	BW92b
500 P	2635.58	Ta II	MCS75
30	2635.8088	Fe I	NJLT94
50	2635.83	Re II	MCS75
90 w	2636.069	Ne II	P71
1000 P	2636.281	Cm II	WHGC76
10	2636.64	Re I	MCS75
200	2636.67	Ta I	MCS75
25	2636.670	Mo II	SPNL01
300	2636.90	Ta I	MCS75
130 P	2637.13	Os I	MCS75
11	2638.173	Mn II	IV64
80	2638.289	Ne II	P71
50 d	2638.62	W I	MCS75
130	2638.71	Hf II	MCS75
50	2638.761	Mo II	SPNL01
15	2638.77	Eu II	MCS75
15	2639.3454	Pt I	SRSA92
15	2639.3454	Pt I	SRSA92
200 P	2639.71	Ir I	MCS75
7	2639.849	Mn II	IV64
14	2640.984	Mo I	WB88
80	2641.087	Ti I	F91
6	2641.27	Eu II	MCS75
130 P	2641.41	Hf II	MCS75
25	2641.480	Au I	ED71
40	2642.946	Ru I	K59
80	2644.097	Ne II	P71

Finding List—Continued

Intensity		Wavelength (Å)	Spectrum	Ref
70		2644.11	Os I	MCS75
100		2644.253	Ti I	F91
6		2644.306	Yb II	M67
40		2644.348	Mo II	SPNL01
80		2646.18	W I	MCS75
200		2646.22	Ta I	MCS75
100		2646.254	Nb II	RCL00
250		2646.37	Ta I	MCS75
30		2646.486	Mo II	SPNL01
120		2646.625	Ti I	F91
50		2646.73	W I	MCS75
90		2646.8804	Pt I	SRSA92
1000	P,c	2647.01	Tc II	BMC67
80		2647.29	Hf II	MCS75
900	P	2647.47	Ta I	MCS75
20		2647.50	Nb I	MCS75
20		2649.458	Mo I	WB88
500		2649.66	Te II	HM64
100	P	2650.454	Be I	KM97
60	P	2650.550	Be I	KM97
200*	P	2650.613	Be I	KM97
200*	P	2650.619	Be I	KM97
60	P	2650.694	Be I	KM97
100	P	2650.760	Be I	KM97
300	P	2650.8524	Pt I	SRSA92
1000		2651.171	Cm II	WHGC76
500	P	2651.172	Ge I	AM59
110		2651.22	Ta II	MCS75
200	P	2651.568	Ge I	AM59
12		2651.90	Re I	MCS75
25		2652.039	Hg I	BAL50
100		2652.35	Tc II	BMC67
40		2652.66	Rh I	MCS75
1000	P	2653.27	Ta I	MCS75
40		2653.347	Mo II	SPNL01
13		2653.57	Cr II	K51
40		2653.679	Hg I	BAL50
60	P	2653.75	Yb II	M67
1000		2653.804	Cm II	WHGC76
7		2654.12	Re I	MCS75
20		2654.45	Nb I	MCS75
20		2655.021	Mo I	WB88
200		2656.54	W I	MCS75
700	P	2656.61	Ta I	MCS75
20		2657.293	Li II	HM59
30		2657.303	Li II	HM59
50		2657.38	W I	MCS75
150		2657.80	Lu II	MCS75
25	d	2658.032	W II	EKM00
10		2658.111	Mo I	WB88
13		2658.59	Cr II	K51
70		2658.60	Os I	MCS75
100		2658.7201	Pd II	LLJ94
500	P	2659.4503	Pt I	SRSA92
40		2659.617	Ru I	K59
20		2659.83	Os I	MCS75
50		2660.576	Mo II	SPNL01
500		2661.00	Na II	W71
140	P	2661.244	Sn I	B64
600	P	2661.34	Ta I	MCS75

Finding List—Continued

Intensity		Wavelength (Å)	Spectrum	Ref
400	P	2661.61	Ru II	MCS75
110		2661.98	Ir I	MCS75
90		2662.84	W I	MCS75
90		2663.154	Pb I	WA68
300	h	2663.33	Po	CHPT55
15		2663.42	Cr II	K51
40		2664.6638	Fe II	NLTH91
150	P	2664.79	Ir I	MCS75
11		2665.038	Yb II	M67
25		2666.02	Cr II	K51
200		2666.740	Co II	PRUJ98
30		2666.8125	Fe I	NJLT94
11		2668.34	Eu II	MCS75
250		2668.62	Ta I	MCS75
15		2668.71	Cr II	K51
30		2669.91	Ir I	MCS75
40		2670.260	Er II	M64b
120	r	2670.630	Sb I	SM02
90		2671.47	W I	MCS75
20		2671.80	Cr II	K51
600		2671.83	Na II	W71
30		2671.84	Ir I	MCS75
20	P	2671.958	Yb I	MT78
9		2672.581	Mn II	IV64
20		2672.656	Yb II	M67
15		2672.83	Cr II	K51
50		2672.843	Mo II	SPNL01
20		2673.27	Mo II	MCS75
15		2674.34	Re I	MCS75
20		2674.460	Li II	HM59
9		2674.5700	Pt I	SRSA92
20		2674.57	Os I	MCS75
300		2675.90	Ta II	MCS75
300	P	2675.954	Au I	ED71
4		2677.13	Te I	MCS75
50		2677.1477	Pt I	SRSA92
90	P	2677.19	Cr II	K51
80		2677.28	W I	MCS75
500		2678.09	Na II	W71
4		2678.29	Eu II	MCS75
300	P	2678.632	Zr II	J98
900	P	2678.76	Ru II	MCS75
15		2678.79	Cr II	K51
50		2678.88	W I	MCS75
60		2679.0242	Fe I	NJLT94
30		2679.854	Mo I	WB88
2		2680.34	Na I	R56
1		2680.43	Na I	R56
250	P	2681.42	W I	MCS75
50		2683.234	Mo II	SPNL01
11		2684.10	Rb II	R75
70		2684.140	Mo II	SPNL01
250		2684.28	Ta I	MCS75
90		2684.288	Th II	GSZ70
300		2684.7536	Fe II	NLTH91
80	h	2685.08	Lu I	MCS75
600	P	2685.17	Ta II	MCS75
4		2685.66	Eu II	MCS75
12		2687.09	Cr II	K51
300	P	2687.954	V II	ICL88

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
40	2687.992	Mo II	SPNL01
9	2688.247	Mn II	IV64
40	2689.2122	Fe I	NJLT94
500	2689.300	Cu II	R69
70	2689.82	Os I	MCS75
15	2691.03	Cr II	K51
130	2691.31	Ta I	MCS75
200 P	2691.341	Ge I	AM59
9	2692.03	Eu II	MCS75
400	2692.06	Ru II	MCS75
100	2692.40	Ta I	MCS75
110	2692.415	Th II	Z79
40	2692.6019	Fe II	NLTH91
200 P	2694.23	Ir I	MCS75
200	2694.52	Ta II	MCS75
80	2695.67	W I	MCS75
90	2696.81	Ta I	MCS75
300 P	2697.060	Nb II	RCL00
13	2697.710	W II	EKM00
400 P	2698.30	Ta I	MCS75
9	2698.40	Cr II	K51
20	2698.4248	Pt I	SRSA92
9	2698.68	Cr II	K51
100 c	2698.860	Nb II	RCL00
300	2699.22	Pa II	BW92b
80	2699.59	W I	MCS75
20	2699.59	Os I	MCS75
50	2700.01	W I	MCS75
130	2700.129	Zr II	J98
300	2700.491	Ga II	IL85
200 P	2700.937	V II	ICL88
500	2700.962	Cu II	R69
7	2701.024	Mn II	IV64
12	2701.14	Eu II	MCS75
40	2701.416	Mo II	SPNL01
13	2701.698	Mn II	IV64
250 P	2701.71	Lu II	MCS75
13	2701.90	Eu II	MCS75
100	2702.194	Nb II	RCL00
200 P	2702.3995	Pt I	SRSA92
400	2703.184	Cu II	R69
40	2703.73	Rh I	MCS75
8	2703.98	Mn II	IV64
40	2703.9891	Fe II	NLTH91
4	2705.28	Eu II	MCS75
300	2705.61	Hf I	MCS75
11	2705.732	Mn II	IV64
150 P	2705.8951	Pt I	SRSA92
140	2706.174	V II	ICL88
500 P	2706.505	Sn I	B64
50	2706.58	W I	MCS75
40	2706.5820	Fe I	NJLT94
200	2706.606	Co II	PRUJ98
200	2706.69	Ta I	MCS75
20	2706.70	Os I	MCS75
15	2706.738	Sc I	AV77
200	2707.343	Co II	PRUJ98
7	2707.544	Mn II	IV64
70	2707.90	Tc II	BMC67
9	2708.452	Mn II	IV64

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
50	2708.59	W I	MCS75
1000 P,s	2708.66	Es II	WLGC74
100	2708.78	Tc I	BMC67
50 d	2708.80	W I	MCS75
100	2708.96	Ra II	R34a
20	2709.23	Tl I	MCS75
300 P	2709.624	Ge I	AM59
15	2709.981	Eu I	ST76
500	2710.13	Ta I	MCS75
90 P	2710.265	In I	P38
7	2710.336	Mn II	IV64
25	2711.341	Sc I	AV77
9	2711.568	Mn II	IV64
11	2711.76	Rb II	R75
200	2711.8732	Ag II	KLLT01
25 h	2712.40	Kr II	DHM33
250 P	2712.41	Ru II	MCS75
500	2713.508	Cu II	R69
15	2713.94	In I	P38
50	2714.4129	Fe II	NLTH91
100 P	2714.64	Os I	MCS75
1000 P	2714.67	Ta I	MCS75
400 P	2715.27	Rh II	S58
20	2715.36	Os I	MCS75
25	2715.47	Re I	MCS75
50	2715.50	W I	MCS75
150	2715.664	V II	ICL88
140 P	2716.622	Nb II	RCL00
12	2716.98	Eu II	MCS75
90	2717.18	Ta I	MCS75
20	2717.35	Mo II	MCS75
9	2718.349	Yb II	M67
20	2718.54	Rh I	MCS75
110	2718.59	Hf I	MCS75
400	2718.778	Cu II	R69
250	2718.91	W I	MCS75
400 P	2719.0273	Fe I	NJLT94
130	2719.0333	Pt I	SRSA92
60	2719.51	Ru I	K59
300 P	2719.5239	Pt II	SRSA92
40	2720.04	Os I	MCS75
200	2720.76	Ta I	MCS75
150	2720.9023	Fe I	NJLT94
60	2721.19	Tm II	MCS75
140 P	2721.645	Ca I	R68
5	2721.77	Ag I	S40
30	2721.86	Os I	MCS75
140 P	2721.981	Nb II	RCL00
250 P	2722.609	Zr II	J98
9	2722.74	Cr II	K51
1	2723.19	He I	M60a
40	2723.5774	Fe I	NJLT94
300 P	2724.35	W I	MCS75
100 s	2724.57	Es II	WLGC74
50	2725.03	W I	MCS75
1000	2725.682	Cm II	WHGC76
20	2726.496	Cr I	K53
100	2726.69	Tc I	BMC67
200	2727.44	Ta II	MCS75
50	2727.5392	Fe II	NLTH91

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
150	2727.78	Ta I	MCS75
70 P	2727.78	Eu II	MCS75
20	2728.288	Li II	HM59
7	2728.315	Li II	HM59
50	2728.90	Fe II	C74
15	2728.94	Rh I	MCS75
60 h	2728.95	Lu I	MCS75
6	2729.44	Eu II	MCS75
400	2729.78	Ge II	S63a
13	2729.9123	Pt I	SRSA92
50*	2730.473	Li II	HM59
50*	2730.551	Li II	HM59
20	2730.61	Os I	MCS75
30	2731.56	Re II	MCS75
14	2731.895	Cr I	K53
90	2732.721	Zr II	J98
6	2732.742	Yb II	M67
20	2732.80	Os I	MCS75
25	2732.880	Mo II	SPNL01
100 P	2733.04	Re II	MCS75
250	2733.289	O II	MKM93
12 c	2733.30	He II	GM65
100	2733.5806	Fe I	NJLT94
300 P	2733.9567	Pt I	SRSA92
400 P	2734.35	Ru II	MCS75
250 P	2734.851	Zr II	J98
50	2735.4753	Fe I	NJLT94
150	2735.727	Ru I	K59
8	2736.463	Cr I	K53
2	2736.542	Mg I	KM91a
1000	2736.892	Cm II	WHGC76
50	2737.3091	Fe I	NJLT94
80	2738.76	Hf II	MCS75
1000	2739.31	Cf II	RCWM80
400 P	2739.5474	Fe II	NLTH91
80	2742.4053	Fe I	NJLT94
200	2742.553	Zr II	J98
120	2743.1969	Fe II	NLTH91
300 P	2743.2944	Pt II	SRSA92
13	2743.63	Cr II	K51
120	2745.854	Zr II	J98
20	2746.30	Mo II	MCS75
200	2746.4838	Fe II	NLTH91
200	2746.68	Ta I	MCS75
120	2747.156	Th II	Z79
1000 s	2748.019	Bk II	WC78
1000	2748.039	Cm II	WHGC76
100 P	2748.253	Au I	ED71
1000 P	2748.549	Cd II	SP49
13	2748.664	Yb II	M67
500	2748.78	Ta I	MCS75
80	2748.84	W I	MCS75
15	2748.98	Cr II	K51
400 P	2749.3216	Fe II	NLTH91
60	2749.4860	Fe II	NLTH91
300	2749.83	Ta I	MCS75
120	2750.1406	Fe I	NJLT94
70 P	2750.477	Yb II	M67
20	2750.72	Cr II	K51
11	2751.468	Mo I	WB88

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
40	2751.81	Hf II	MCS75
15	2751.85	Cr II	K51
100	2752.166	Th II	GSZ70
120	2752.202	Zr II	J98
50	2753.2877	Fe II	NLTH91
8	2753.8531	Pt I	SRSA92
40 P	2753.878	In I	P38
200 P	2754.17	Lu II	MCS75
250 P	2754.588	Ge I	AM59
30	2754.9122	Pt I	SRSA92
60	2755.630	Er II	M64b
500 P	2755.7365	Fe II	NLTH91
40 s	2756.550	Am II	FT57
8	2757.086	Cr I	K53
20	2757.72	Cr II	K51
400 P	2758.31	Ta I	MCS75
20	2758.61	Nb I	MCS75
90	2758.806	Zr II	J98
1000 P,s	2759.10	Cf II	RCWM80
25	2761.42	Os I	MCS75
200	2761.63	Hf I	MCS75
200	2761.68	Ta II	MCS75
100	2761.81	Fe II	C74
250	2761.92	Po I	C66a
50	2762.34	W I	MCS75
40 P	2762.58	Cr II	K51
80	2762.921	Ne II	P71
400 P	2763.0899	Pd I	ELLW98
15	2763.62	Mo II	MCS75
2	2763.80	He I	M60a
25 P	2764.261	W II	EKM00
100 h	2765.74	Lu I	MCS75
100 l	2765.76	Es II	WLGC74
250	2766.37	Cu I	S48
40 P	2766.55	Cr II	K51
40	2766.989	Li II	HM59
200 P,d	2767.87	Tl I	MCS75
500	2769.669	Cu II	R69
50	2769.74	W I	MCS75
20	2769.76	Mo II	MCS75
7	2769.8332	Pt I	SRSA92
12	2769.902	Cr I	K53
150 r	2769.931	Sb I	SM02
50	2770.016	Er II	M64b
30	2770.71	Os I	MCS75
20	2770.8538	Zn I	GL00
90	2770.88	W I	MCS75
8	2770.9740	Zn I	GL00
100	2771.6594	Pt I	SRSA92
30	2772.0740	Fe I	NJLT94
20	2773.20	Nb I	MCS75
120 P	2773.36	Hf II	MCS75
90	2774.00	W I	MCS75
90	2774.48	W I	MCS75
1000 P	2774.52	Cf II	RCWM80
2	2775.37	In I	P38
130 P	2775.402	Mo II	SPNL01
300	2775.88	Ta I	MCS75
9	2776.280	Yb II	M67
40	2776.6595	Pd II	LLJ94

Finding List—Continued

Intensity		Wavelength (Å)	Spectrum	Ref
6		2776.690	Mg I	KM91a
60		2778.2202	Fe I	NJLT94
5		2778.270	Mg I	KM91a
200		2779.37	Hf I	MCS75
15*	P	2779.820	Mg I	KM91a
15*	P	2779.834	Mg I	KM91a
300		2779.977	Ga II	IL85
70		2780.037	Mo II	SPNL01
900	P,r	2780.22	As I	HA85
50		2780.476	Bi I	WBBF01
30		2780.695	Cr I	K53
9		2780.822	Au I	ED71
30		2781.29	Ir I	MCS75
5		2781.416	Mg I	KM91a
8		2781.89	Eu II	MCS75
100		2782.05	Tc I	BMC67
25		2782.55	Os I	MCS75
6		2782.972	Mg I	KM91a
10		2783.57	Re I	MCS75
6		2784.656	Yb II	M67
1000		2784.826	Cm II	WHGC76
30		2784.99	Mo II	MCS75
20		2786.31	Os I	MCS75
300	P,l	2787.10	Es II	WLGC74
150		2787.69	Ta I	MCS75
300	P	2788.1047	Fe I	NJLT94
20		2790.313	Li II	HM59
13	P	2790.776	Mg II	KM91a
90		2792.019	Ne II	P71
90		2792.70	W I	MCS75
150		2793.934	U II	BW92b
80		2794.221	Ne II	P71
80		2794.60	Tm II	MCS75
250	P	2794.817	Mn I	CMG64
1000	P	2795.5301	Mg II	PTW98
130		2795.78	Tc II	BMC67
100	l	2796.11	Es II	WLGC74
250		2796.34	Ta I	MCS75
150		2796.63	Lu II	MCS75
20		2796.73	Os I	MCS75
110		2796.93	Gd II	MCS75
80		2797.27	Tm II	MCS75
30		2797.35	Ir I	MCS75
90		2797.70	Ir I	MCS75
300		2797.76	Ta II	MCS75
15		2797.998	Mg II	KM91a
6		2798.211	Yb II	M67
200	P	2798.270	Mn I	CMG64
50		2799.93	W I	MCS75
20	P	2800.8635	Zn I	GL00
6	P	2801.0500	Zn I	GL00
140	P	2801.084	Mn I	CMG64
300	P,r	2801.995	Pb I	WA68
600	P	2802.036	Au II	RW97
150		2802.07	Ta I	MCS75
30		2802.494	Ti I	F91
200		2802.560	U II	BW92b
600	P	2802.7056	Mg II	PTW98
100		2802.81	Tc I	BMC67
30		2802.84	Eu II	MCS75

Finding List—Continued

Intensity		Wavelength (Å)	Spectrum	Ref
20		2803.2357	Pt I	SRSA92
40		2804.5203	Fe I	NJLT94
150		2806.30	Ta I	MCS75
200		2806.58	Ta I	MCS75
100	P	2806.91	Os I	MCS75
150		2806.9841	Fe I	NJLT94
130		2807.119	U II	BW92b
30		2807.753	Mo II	SPNL01
100		2809.485	Ne II	P71
500		2809.52	Na II	W71
90		2809.72	Gd II	MCS75
150		2810.551	Ru I	K59
300		2811.61	Tc II	BMC67
1000		2811.618	Cm II	WHGC76
4		2811.75	Eu II	MCS75
40	s	2812.920	Am II	FT57
250		2813.2864	Fe I	NJLT94
150	P	2813.76	Ra II	R34a
60	P	2813.94	Eu II	MCS75
25		2814.20	Os I	MCS75
200		2814.902	Zr I	J98
300*	l	2815.15	Es I	WLGC74
300*	P,l	2815.15	Es II	WLGC74
200	l	2815.282	Am II	FT57
130	P	2816.158	Mo II	SPNL01
9		2816.18	Eu II	MCS75
600	P	2816.185	Al II	KM91b
200		2816.9021	Pt II	SRSA92
15		2817.44	Mo II	MCS75
100		2817.68	Hf I	MCS75
130		2817.958	U II	BW92b
90		2818.06	W I	MCS75
10		2818.2	He I	BDD72
30		2818.2450	Pt I	SRSA92
200		2819.793	Au II	RW97
15		2819.95	Re I	MCS75
140	P	2820.22	Hf II	MCS75
30		2820.78	Eu II	MCS75
200		2821.121	U II	BW92b
8		2821.152	Yb II	M67
70		2821.35	Tc II	BMC67
9		2822.38	Cr II	K51
1000	P	2822.546	Au II	RW97
60		2822.68	Hf II	MCS75
300		2822.792	Pa II	G67
40		2823.0513	Pt II	SRSA92
40		2823.18	Ir I	MCS75
120	r	2823.189	Pb I	WA68
30		2823.2756	Fe I	NJLT94
1000	P	2824.204	Cm II	WHGC76
9	h	2824.39	Ag I	S40
70		2824.45	Ir I	MCS75
6		2824.974	Yb II	M67
400	h	2825.437	Au II	RW97
60		2825.5557	Fe I	NJLT94
90		2825.557	Zr II	J98
14		2826.16	Tl I	MCS75
20		2826.68	Rh I	MCS75
1000	s	2827.567	Bk II	WC78
70		2827.92	Tm II	MCS75

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
7 c,w	2828.72	Eu II	MCS75
140	2828.935	U II	BW92b
4	2829.08	He I	M60a
40	2829.149	Ru I	K59
300 P,c	2830.2919	Pt I	SRSA92
9	2830.46	Cr II	K51
11	2830.989	Yb II	M67
200 P	2831.38	W I	MCS75
1000 P	2831.843	Ge II	S63a
200	2832.061	U II	BW92b
300 l	2832.14	Pa II	BW92b
1000 P,s	2832.258	Am II	FT57
200	2832.3154	Th II	PE83
150	2832.4355	Fe I	NJLT94
30	2833.00	Kr II	DHM33
300 P,r	2833.053	Pb I	WA68
1000 P	2833.580	Cm II	WHGC76
90	2833.63	W I	MCS75
15	2834.7107	Pt I	SRSA92
130 P	2835.63	Cr II	K51
50	2836.40	Ir I	MCS75
500 P	2836.710	C II	MG93
100	2836.900	Cd I	BA56
10 c	2836.92	In I	P38
200	2837.226	Zr I	J98
300 P	2837.2954	Th II	PE83
400 P	2837.603	C II	MG93
120	2837.848	Au II	RW97
20	2838.1194	Fe I	NJLT94
200 P	2838.63	Os I	MCS75
60	2839.16	Ir I	MCS75
400	2839.56	Na II	W71
1000 P	2839.976	Sn I	B64
50	2840.22	Ir I	MCS75
50	2841.57	W I	MCS75
25	2841.60	Os I	MCS75
600	2841.72	Na II	W71
30	2842.4101	Pt II	SRSA92
80	2842.8127	Th II	PE83
100	2842.82	Ta I	MCS75
90 P	2843.24	Cr II	K51
100	2843.9763	Fe I	NJLT94
250	2844.25	Ta I	MCS75
80	2844.40	Os I	MCS75
120	2844.575	Zr II	J98
110 c	2845.35	Ta I	MCS75
1000 P	2845.527	Ge II	S63a
200	2845.83	Hf I	MCS75
2	2846.716	Mg I	KM91a
400	2846.920	Au II	RW97
100 h	2847.16	Ac II	MFT57
13 h	2847.175	Yb II	M67
150	2847.51	Lu II	MCS75
400 P	2847.675	Hg II	SR01
90	2848.02	W I	MCS75
150	2848.0839	Th I	PE83
40	2848.186	Zr II	J98
130 P	2848.233	Mo II	SPNL01
2	2848.342	Mg I	KM91a
6	2848.445	Yb II	M67

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
200	2848.52	Ta I	MCS75
200 P	2849.72	Ir I	MCS75
60 P	2849.83	Cr II	K51
600 P	2850.49	Ta I	MCS75
50	2850.76	Os I	MCS75
120	2850.96	Hf I	MCS75
700 P	2850.98	Ta I	MCS75
20	2851.126	Yb II	M67
3	2851.660	Mg I	KM91a
80	2851.7969	Fe I	NJLT94
1000 l	2852.03	Cf II	RCWM80
1000 P	2852.1251	Mg I	PTW98
5 P	2852.81	Na I	R56
2 P	2853.01	Na I	R56
30	2853.23	Mo II	MCS75
60	2854.075	Ru I	K59
20	2854.166	Tm I	SMC73
40 P	2854.5776	Pd II	LLJ94
1000 s	2855.24	Cf II	RCWM80
50 P	2855.67	Cr II	K51
80	2856.03	W I	MCS75
2 c	2858.14	In I	P38
500	2858.29	Te II	HM64
30	2858.91	Cr II	K51
200 c	2859.11	Tc I	BMC67
6	2859.392	Yb II	M67
400	2859.49	Na II	W71
4	2859.67	Eu II	MCS75
25	2859.805	Yb II	M67
1000 P,r	2860.44	As I	HA85
25	2860.92	Cr II	K51
50	2860.96	Os I	MCS75
90	2861.01	Hf II	MCS75
8	2861.212	Yb II	M67
6	2861.34	Yb II	M67
40	2861.408	Ru I	K59
90	2861.70	Hf II	MCS75
140	2861.98	Ta I	MCS75
40 P	2862.57	Cr II	K51
5	2862.57	Eu II	MCS75
30	2862.94	Rh I	MCS75
700 P	2863.315	Sn I	B64
30	2863.81	Mo II	MCS75
20	2864.361	V I	DA78
70	2864.73	Xe II	H39
40 P	2865.10	Cr II	K51
200	2865.681	U II	BW92b
80	2866.06	W I	MCS75
1000 P	2866.37	Hf I	MCS75
50	2866.653	Ru I	K59
15	2866.69	Mo II	MCS75
30	2866.72	Cr II	K51
11	2867.06	Yb II	M67
25	2867.65	Cr II	K51
20	2868.095	V I	DA78
150	2868.515	Nb II	RCL00
120	2868.65	Ta I	MCS75
200	2869.23	Tm II	MCS75
300	2870.005	Pa II	G67
130	2870.4066	Th II	PE83

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
11	2870.43	Cr II	K51
400	2871.28	Na II	W71
300 h	2871.413	Pa II	G67
200	2871.42	Ta I	MCS75
130 P	2871.512	Mo II	SPNL01
1000 l	2872.114	Bk II	WC78
120 r	2873.311	Pb I	WA68
100	2873.36	Ta I	MCS75
100	2873.56	Ta I	MCS75
400 P	2874.235	Ga I	JL67
110	2874.9196	Pt II	SRSA92
150	2874.984	Ru I	K59
250 P	2875.390	Nb II	RCL00
1000 P	2875.6314	Pt II	SRSA92
15	2875.97	Cr II	K51
140	2875.980	Zr I	J98
12	2876.24	Cr II	K51
150	2877.038	Nb II	RCL00
400	2877.100	Cu II	R69
40	2877.2783	Pt II	SRSA92
400 P,r	2877.913	Sb I	SM02
9	2877.97	Cr II	K51
1000 P,s	2878.572	Bk II	WC78
15	2879.05	Mo II	MCS75
70	2879.11	W I	MCS75
70	2879.40	W I	MCS75
7	2879.482	Mn II	IV64
150	2880.02	Ta I	MCS75
100 r	2880.767	Cd I	BA56
30	2880.98	Ho II	MCS75
500	2881.15	Na II	W71
1000 P	2881.5771	Si I	BE93
130	2881.60	Pr I	MCS75
50	2882.64	Ir I	MCS75
150 P	2883.174	Nb II	RCL00
25	2883.446	Au I	ED71
80	2884.2897	Th II	PE83
1000 l	2884.772	Bk II	WC78
90	2885.0491	Th II	PE83
80 h	2885.14	Lu I	MCS75
500	2886.26	Na II	W71
70	2886.528	Ru I	K59
8	2886.995	Cr I	K53
50	2887.68	Re I	MCS75
100	2887.73	Tc I	BMC67
90	2887.8176	Th II	PE83
11	2888.04	Yb II	M67
200 l	2888.505	Am II	FT57
40	2889.294	Cr I	K53
13	2889.600	Mn II	IV64
400	2889.62	Hf I	MCS75
250	2889.624	U II	BW92b
1000 s	2889.803	Bk II	WC78
7 P,d	2890.179	In II	PC38
70	2890.94	Tm II	MCS75
100	2890.994	Mo II	SPNL01
300 h	2891.139	Pa II	G67
200 P	2891.384	Yb II	M67
8	2891.612	Ar II	N73
250	2891.644	V II	ICL88

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
300	2891.84	Ta I	MCS75
25	2891.961	Au I	ED71
140	2892.433	V II	ICL88
20	2892.502	Eu I	ST76
250	2892.652	V II	ICL88
13	2893.013	Eu I	ST76
400 P	2893.247	Au II	RW97
20	2893.254	Cr I	K53
400 P	2893.307	V II	ICL88
1000 s	2893.660	Bk II	WC78
30	2893.838	Eu I	ST76
130 P	2893.8630	Pt I	SRSA92
10	2894.168	Cr I	K53
70	2894.451	Mo II	SPNL01
400 P	2894.84	Lu II	MCS75
50 h	2895.22	Xe II	H39
800	2895.41	Te II	HM64
50	2896.01	W I	MCS75
100	2896.34	Tc I	BMC67
150 P	2896.44	W I	MCS75
10	2896.756	Cr I	K53
40	2897.15	Ir I	MCS75
140	2897.806	Nb II	RCL00
60	2897.8715	Pt I	SRSA92
500 P	2897.965	Bi I	WBBF01
800 P	2898.26	Hf I	MCS75
100	2899.04	Ta I	MCS75
40	2899.3861	Pt II	SRSA92
40 l	2899.562	Am II	FT57
1000	2899.904	Cm II	WHGC76
7	2900.154	Mn II	IV64
250 P	2900.30	Lu II	MCS75
500	2901.14	Na II	W71
200	2902.05	Ta I	MCS75
15 c	2902.48	Re I	MCS75
20	2903.07	Mo II	MCS75
50	2904.283	Si II	S61b
500 P	2904.41	Hf I	MCS75
90	2904.469	Er II	M64b
400	2904.72	Na II	W71
400	2904.75	Hf I	MCS75
600	2904.92	Na II	W71
9	2905.477	Cr I	K53
80	2905.692	Si II	S61b
8	2905.8974	Pt I	SRSA92
250	2906.454	V II	ICL88
80	2906.592	Ne II	P71
50 P	2906.68	Eu II	MCS75
150	2906.794	U II	BW92b
80	2906.816	Ne II	P71
300 h	2906.93	Pa II	BW92b
300	2907.03	Es	WLGC74
20	2907.042	Au II	RW97
15	2907.21	Rh I	MCS75
130	2907.462	V II	ICL88
140	2908.240	Nb II	RCL00
150	2908.272	U II	BW92b
600 P	2908.810	V II	ICL88
30	2908.883	Ru I	K59
15	2908.993	Eu I	ST76

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
13	2909.049	Cr I	K53
300 P	2909.06	Os I	MCS75
40	2909.117	Mo II	SPNL01
40 c	2909.41	Ho II	MCS75
10	2909.82	Re I	MCS75
200	2910.016	V II	ICL88
90	2910.061	Ne II	P71
300 P	2910.15	Rh II	S58
140	2910.359	Er II	M64b
140	2910.385	V II	ICL88
90	2910.408	Ne II	P71
200	2910.587	Nb II	RCL00
1000 l	2910.645	Bk II	WC78
13	2910.892	Cr I	K53
150	2911.058	V II	ICL88
40 l	2911.130	Am II	FT57
80	2911.138	Ne II	P71
12	2911.148	Cr I	K53
500 P	2911.39	Lu II	MCS75
140 c	2911.743	Nb II	RCL00
80	2911.917	Mo II	SPNL01
60	2912.083	Ti I	F91
15	2912.2515	Pt I	SRSA92
70	2912.33	Os I	MCS75
1000 P	2912.965	Cm II	WHGC76
100	2913.15	Tc I	BMC67
40	2913.517	Au II	RW97
15	2913.5386	Pt I	SRSA92
140	2913.559	Sn I	B64
9	2914.210	Yb II	M67
200	2914.672	Cd II	SP49
30	2914.926	V I	DA78
80	2915.122	Ne II	P71
8	2915.275	Yb II	M67
120	2915.49	Ta I	MCS75
30	2916.250	Hg II	SR01
100	2916.251	Ru I	K59
900 P	2916.48	Hf I	MCS75
20	2917.26	Os I	MCS75
600	2917.52	Na II	W71
700	2918.076	B II	O70
400 P	2918.235	Au II	RW97
140 P	2918.32	Tl I	MCS75
250	2918.58	Hf I	MCS75
600	2919.05	Na II	W71
15	2919.346	Yb II	M67
40	2919.59	Hf II	MCS75
70	2919.79	Os I	MCS75
700	2919.85	Na II	W71
200 s	2920.593	Am II	FT57
700	2920.95	Na II	W71
7	2921.3792	Pt I	SRSA92
20	2921.52	Tl I	MCS75
100	2923.392	Mo II	SPNL01
600	2923.49	Na II	W71
60	2923.619	V I	DA78
600 P	2924.017	V II	ICL88
20	2924.02	Rh I	MCS75
400 P	2924.630	V II	ICL88
250 P	2924.79	Ir I	MCS75

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
14	2925.04	Eu II	MCS75
150	2925.19	Ta I	MCS75
80	2925.618	Ne II	P71
1000 s	2926.489	Bk II	WC78
80	2926.74	Tm II	MCS75
15 c	2927.42	Re I	MCS75
40 l	2927.534	Am II	FT57
300 P	2927.814	Nb II	RCL00
1000 s	2927.907	Bk II	WC78
100	2928.20	Tc I	BMC67
40	2928.327	Ti I	F91
1000 P	2928.922	Cm II	WHGC76
200	2929.271	Cd II	SP49
60	2929.63	Hf II	MCS75
400 P	2929.7894	Pt I	SRSA92
200	2929.90	Hf I	MCS75
80	2930.502	Mo II	SPNL01
200	2930.805	V II	ICL88
15	2931.08	Cs II	S81
20	2931.28	Os I	MCS75
120	2931.414	U II	BW92b
80 w	2932.103	Ne II	P71
60 P	2932.630	In I	P38
120	2932.70	Ta I	MCS75
90 P	2933.054	Mn II	KG00
500	2933.298	Pu II	BFG84
700 P	2933.55	Ta I	MCS75
700 P	2933.602	Pu II	BFG84
60	2934.0209	Ag II	KLLT01
60	2934.298	Mo II	SPNL01
70	2934.64	Ir I	MCS75
80	2935.00	W I	MCS75
70	2935.99	Tm II	MCS75
150	2936.0846	Th I	PE83
50	2936.68	Ir I	MCS75
120	2936.9033	Fe I	NJLT94
40 l	2936.992	Am II	FT57
500	2937.74	Na II	W71
80	2937.80	Hf II	MCS75
400 P	2938.297	Bi I	WBBF01
2	2938.473	Mg I	KM91a
120 P	2939.308	Mn II	KG00
200	2940.06	Ta I	MCS75
500	2940.22	Ta I	MCS75
9 h	2940.331	Mn I	CMG64
80	2940.653	Ne II	P71
900 P	2940.77	Hf I	MCS75
6 P	2941.050	In II	PC38
250	2941.372	V II	ICL88
120	2941.499	V II	ICL88
250	2941.543	Nb II	RCL00
1000 l	2941.713	Bk II	WC78
250	2941.916	U II	BW92b
90	2942.14	Ta I	MCS75
20	2942.319	V I	DA78
20	2942.388	V I	DA78
80	2942.8600	Th II	PE83
70	2942.893	Ar II	N73
8	2943.14	Re I	MCS75
150	2943.15	Ir I	MCS75

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
20	2943.189	V I	DA78
600 P	2943.636	Ga I	JL67
150	2943.7288	Th I	PE83
150	2943.896	U II	BW92b
60	2943.912	Ni I	LBT93
200 P	2944.173	Ga I	JL67
300 P	2944.40	W I	MCS75
300	2944.569	V II	ICL88
10	2945.11	He I	M60a
250	2945.67	Ru II	MCS75
8	2945.907	Yb II	M67
90	2946.044	Ne II	P71
300 P	2946.99	W I	MCS75
25	2947.074	Hg II	SR01
60	2947.39	W I	MCS75
500	2947.50	Na II	W71
100	2947.8760	Fe I	NJLT94
40 h	2948.23	Os I	MCS75
150	2948.242	Ti I	F91
40	2948.406	Y I	P77
150 P	2949.205	Mn II	KG00
30	2949.492	Ru I	K59
50	2949.53	Os I	MCS75
20	2949.629	V I	DA78
100 l	2950.393	Am II	FT57
500	2950.68	Hf I	MCS75
300 P	2950.882	Nb II	RCL00
70	2951.22	Ir I	MCS75
700	2951.24	Na II	W71
1000 P,l	2951.761	Bk II	WC78
700 P	2951.820	Pu II	BFG84
200	2951.92	Ta I	MCS75
150	2952.068	V II	ICL88
13	2952.268	W II	EKM00
600	2952.40	Na II	W71
3 c,w	2952.68	Eu II	MCS75
130	2953.56	Ta I	MCS75
60	2953.9399	Fe I	NJLT94
500	2954.20	Hf I	MCS75
200	2954.222	Au II	RW97
150	2955.725	Ne II	P71
20	2956.057	Mo II	SPNL01
120	2956.060	U II	BW92b
200	2956.123	Ti I	F91
1 c	2957.01	In I	P38
250	2958.02	Hf I	MCS75
250	2958.92	Po I	C66a
4	2960.21	Eu II	MCS75
7	2960.7494	Pt I	SRSA92
90	2960.867	Zr I	J98
250	2961.16	Cu I	S48
20	2962.15	Os I	MCS75
30	2962.781	V I	DA78
150	2963.236	Ne II	P71
600 P	2963.32	Ta I	MCS75
250 P	2963.32	Lu II	MCS75
20	2963.797	Mo II	SPNL01
50	2964.52	W I	MCS75
140	2964.520	Er II	M64b
700 P	2964.644	Pu II	BFG84

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
7	2964.755	Yb II	M67
600	2964.88	Hf I	MCS75
40	2964.964	Y I	P77
13	2965.11	Re I	MCS75
300	2965.13	Ta II	MCS75
50	2965.166	Ru I	K59
300	2965.54	Ta I	MCS75
200	2965.55	Ru II	MCS75
25	2965.76	Re I	MCS75
15	2965.879	Sc I	AV77
200 l	2966.712	Am II	FT57
700	2966.843	Pu II	BFG84
150	2966.8982	Fe I	NJLT94
300	2966.93	Hf I	MCS75
150	2967.184	Ne II	P71
25	2967.225	Ti I	F91
250 P	2967.280	Hg I	BAL50
400	2967.29	Te II	HM64
25	2967.64	Cr I	K53
120	2967.936	U II	BW92b
150	2968.374	V II	ICL88
25	2968.66	Rh I	MCS75
80	2968.81	Hf II	MCS75
700 P	2969.035	Pu II	BFG84
1000 l	2969.125	Bk II	WC78
200 l	2969.292	Am II	FT57
130	2969.47	Ta I	MCS75
130	2969.82	Lu II	MCS75
80	2970.0994	Fe I	NJLT94
110 P	2970.564	Yb II	M67
25	2970.97	Os I	MCS75
120	2971.066	U II	BW92b
25	2971.102	Cr I	K53
11	2971.90	Cr II	K51
500 h	2972.26	Br II	R58
90	2972.29	O I	HHMR86
700 P	2972.500	Pu II	BFG84
120	2972.571	Nb II	RCL00
20	2972.611	Mo II	SPNL01
100	2972.997	Ne II	P71
25	2973.00	Ho II	MCS75
120	2973.1323	Fe I	NJLT94
50	2973.218	Tm I	SMC73
50	2973.2354	Fe I	NJLT94
50	2974.010	Sc I	AV77
100	2974.094	Nb II	RCL00
50	2974.588	Y I	P77
30	2974.7189	Ne I	SS04
25	2975.478	Cr I	K53
150	2975.56	Ta I	MCS75
100	2975.88	Hf II	MCS75
200 P	2976.584	Ru II	JJLL94
50	2976.923	Ru I	K59
60	2977.11	W I	MCS75
600	2977.13	Na II	W71
20	2977.540	V I	DA78
15	2977.68	Rh I	MCS75
30	2979.050	Ar II	N73
130	2979.32	Xe II	H39
100	2979.461	Ne II	P71

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
25 c	2979.63	Ho II	MCS75
600	2979.66	Na II	W71
80 d	2979.71	W I	MCS75
10	2979.73	Cr II	K51
700	2980.227	Pu II	BFG84
500 r	2980.620	Cd I	BA56
600	2980.63	Na II	W71
60	2980.755	Sc I	AV77
20	2980.784	Cr I	K53
500	2980.81	Hf I	MCS75
100 r	2981.362	Cd I	BA56
60	2981.4451	Fe I	NJLT94
60	2981.48	Tm II	MCS75
70	2981.646	Ni I	LBT93
30	2982.6696	Ne I	SS04
20	2982.90	Os I	MCS75
100	2983.5696	Fe I	NJLT94
11	2983.990	Yb II	M67
700	2984.19	Na II	W71
80	2984.254	Y I	P77
250	2985.388	Zr I	J98
25	2985.849	Cr I	K53
80	2986.01	Cr I	K53
50	2986.20	Rh I	MCS75
100	2986.466	Cr I	K53
200 s	2987.238	Am II	FT57
25	2987.64	Ho II	MCS75
150	2987.645	Si I	RA65
1000 l	2987.755	Bk II	WC78
90	2988.2318	Th II	PE83
30	2988.638	Cr I	K53
130	2988.945	Ru I	K59
15	2988.965	Sc I	AV77
300 P	2989.019	Bi I	GMV85
250	2989.27	Lu I	MCS75
200 h	2990.268	Au II	RW97
100	2990.278	Nb II	RCL00
70	2990.54	Tm II	MCS75
5	2991.33	Eu II	MCS75
60	2991.4665	Pt II	SRSA92
25	2991.877	Cr I	K53
	2992.12	K I	R56
	2992.22	K I	R56
30	2992.36	Re I	MCS75
60	2992.592	Ni I	LBT93
400 h	2992.618	C II	MG93
80 P	2993.336	Bi I	GMV85
100 l	2993.508	Am II	FT57
50	2993.61	W I	MCS75
700	2994.046	Pu II	BFG84
12	2994.06	Cr I	K53
130	2994.17	Ac II	MFT57
100	2994.4268	Fe I	NJLT94
120	2994.453	Ni I	LBT93
140	2994.728	Nb II	RCL00
400 P	2994.800	Au II	RW97
9	2994.805	Yb II	M67
40	2994.967	Ru I	K59
15	2995.094	Cr I	K53
1000	2996.180	Cm II	WHGC76

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
700	2996.406	Pu II	BFG84
40	2996.571	Cr I	K53
600 P,c	2997.9622	Pt I	SRSA92
10	2998.783	Cr I	K53
140	2999.04	Gd II	MCS75
1000	2999.385	Cm I	WHGC76
50	2999.5117	Fe I	NJLT94
100 P	2999.60	Re I	MCS75
700	3000.572	Pu II	BW92b
60	3000.88	Cr I	K53
80	3000.9478	Fe I	NJLT94
150	3001.668	Ne II	P71
40	3002.2641	Pt I	SRSA92
110	3002.407	Er II	M64b
500 P	3002.485	Ni I	LBT93
1000 P,w	3003.21	Po I	C66a
250	3003.621	Ni I	LBT93
40	3003.63	Ir I	MCS75
300	3004.15	Na II	W71
200 s	3004.250	Am II	FT57
40	3005.06	Cr I	K53
400	3005.56	Hf I	MCS75
15	3005.766	Yb II	M67
40	3006.588	Ru I	K59
400	3007.44	Na II	W71
50	3008.1382	Fe I	NJLT94
500 P	3009.133	Sn I	B64
400	3009.14	Na II	W71
6	3009.392	Yb II	M67
250	3010.13	Gd II	MCS75
300 l	3011.10	Pa II	BW92b
250	3011.743	Zr I	J98
500 P	3012.001	Ni I	LBT93
800 P	3012.54	Ta II	MCS75
130	3012.90	Hf II	MCS75
40	3013.7	He I	BDD72
40	3013.72	Cr I	K53
40	3014.756	Cr I	K53
1000 b	3014.867	Cm II	WHGC76
70	3014.932	Cr I	K53
40	3015.197	Cr I	K53
150	3015.30	Tm II	MCS75
90	3015.367	Sc I	AV77
300	3015.40	Na II	W71
9	3016.02	Re I	MCS75
100 c	3016.387	Pb II	WRSH74
60	3016.47	W I	MCS75
250	3016.78	Hf I	MCS75
130	3016.94	Hf II	MCS75
20	3017.25	Os I	MCS75
120	3017.311	Ne II	P71
30 h	3017.43	Xe II	H39
90	3017.44	W I	MCS75
9	3017.560	Yb II	M67
140	3017.591	Cr I	K53
150 P	3018.04	Os I	MCS75
400	3018.31	Hf I	MCS75
20	3018.492	Cr I	K53
12	3018.827	Cr I	K53
40	3019.143	Ni I	LBT93

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
120	3019.349	Sc I	AV77
40	3020.01	Fe II	C74
50	3020.4907	Fe I	NJLT94
500	3020.53	Hf I	MCS75
150 P	3020.54	Lu II	MCS75
150	3020.6389	Fe I	NJLT94
20	3020.671	Cr I	K53
60	3021.0728	Fe I	NJLT94
70	3021.498	Hg I	BAL50
140	3021.576	Cr I	K53
130	3022.210	U II	BW92b
50	3024.0327	Fe I	NJLT94
60	3024.359	Cr I	K53
300 P	3024.621	Bi I	GMV85
50	3025.8423	Fe I	NJLT94
9	3026.669	Yb II	M67
300 P	3027.016	Ne II	P71
110 d	3027.48	Ta I	MCS75
200	3027.60	Gd II	MCS75
100 s	3027.990	Am II	FT57
90	3028.038	Zr II	J98
110	3028.440	Nb II	RCL00
300 P	3028.864	Ne II	P71
20*	3029.121	Li II	HM59
20*	3029.136	Li II	HM59
8	3029.165	Cr I	K53
30 P	3029.204	Au I	ED71
250	3029.515	Zr I	J98
200 r	3029.809	Sb I	SM02
700	3029.924	Pu II	BFG84
40	3030.25	Cr I	K53
7	3030.45	Re I	MCS75
40	3030.70	Os I	MCS75
15	3030.759	Sc I	AV77
100	3030.787	Ne II	P71
50	3031.110	Yb II	M67
50	3031.16	Hf II	MCS75
7	3031.346	Cr I	K53
130	3031.987	U II	BW92b
140	3032.778	Sn I	B64
250	3032.84	Gd II	MCS75
15	3033.508	Ar II	N73
300 s	3033.59	Pa II	BW92b
200	3034.05	Gd II	MCS75
90	3034.0654	Th II	PE83
600 P	3034.115	Sn I	B64
20	3034.191	Cr I	K53
120	3034.461	Ne II	P71
	3034.76	K I	R56
	3034.92	K I	R56
100	3035.923	Ne II	P71
250	3036.10	Cu I	S48
20	3036.4425	Pt I	SRSA92
30	3037.049	Cr I	K53
80	3037.3887	Fe I	NJLT94
100	3037.720	Ne II	P71
200	3037.932	Ni I	LBT93
30	3038.288	Dy II	NG00
100 l	3038.363	Am II	FT57
300 P	3039.067	Ge I	AM59

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
400 P	3039.356	In I	P38
100	3039.586	Ne II	P71
30	3040.837	Cr I	K53
100	3040.90	Os I	MCS75
10	3041.699	Mo I	WB88
50 d	3041.73	W I	MCS75
800 P,c	3042.6318	Pt I	SRSA92
15	3042.74	Os II	MCS75
20	3043.119	V I	DA78
300	3043.30	Ac II	MFT57
20	3043.548	V I	DA78
150	3044.005	Co I	PT96
100	3044.088	Ne II	P71
12	3044.566	Mn I	CMG64
1000 P	3044.848	Cm II	WHGC76
20	3044.933	V I	DA78
20	3045.363	Y I	P77
100	3045.556	Ne II	P71
50	3046.44	W I	MCS75
400	3047.00	Te II	HM64
120	3047.556	Ne II	P71
80	3047.6045	Fe I	NJLT94
100	3049.0924	Th II	PE83
30 c	3049.38	Ho II	MCS75
200	3049.56	Ta I	MCS75
90	3049.69	W I	MCS75
40	3050.073	Al I	KM91b
120	3050.197	U II	BW92b
300	3050.76	Hf I	MCS75
400 P	3050.816	Ni I	LBT93
11	3051.36	Rb II	R75
15 h	3053.184	Si II	S61b
40	3053.653	V I	DA78
500	3053.67	Na II	W71
40 s	3053.688	Am II	FT57
40	3053.87	Cr I	K53
25 c	3054.00	Ho II	MCS75
200	3054.312	Ni I	LBT93
100	3054.345	Ne II	P71
9	3054.362	Mn I	CMG64
100	3054.677	Ne II	P71
120	3054.833	Zr II	J98
5 c,w	3054.94	Eu II	MCS75
600	3056.16	Na II	W71
100	3056.334	V I	DA78
120	3056.72	Lu II	MCS75
500	3057.02	Hf I	MCS75
50	3057.144	Al I	KM91b
30	3057.3907	Ne I	SS04
60	3057.4458	Fe I	NJLT94
30 c	3057.45	Ho II	MCS75
250	3057.639	Ni I	LBT93
130	3057.939	U II	BW92b
300 P	3058.66	Os I	MCS75
11	3058.975	Eu I	ST76
100	3059.0857	Fe I	NJLT94
100	3059.106	Ne II	P71
400	3060.25	Na II	W71
120	3060.456	V I	DA78
400	3061.35	Na II	W71

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
20	3062.19	Os I	MCS75
100	3062.491	Ne II	P71
130	3062.537	U II	BW92b
200	3063.008	Ce II	C73
100	3063.301	Ne II	P71
250	3063.41	Cu I	S48
30	3064.274	Mo I	WB88
60	3064.618	Ni I	LBT93
1000 P,c	3064.7110	Pt I	SRSA92
40	3064.834	Ru I	K59
6	3065.040	Yb II	M67
20	3065.04	Mo II	MCS75
100 l	3065.40	Es	WLGC74
25	3065.424	Au I	ED71
110 d	3066.229	Ti II	HJLW82
200	3066.374	V I	DA78
250	3067.021	Ge I	AM59
30	3067.40	Re I	MCS75
400	3067.41	Hf I	MCS75
1000 P,c	3067.700	Bi I	WBBF01
110	3067.7294	Th II	PE83
110	3068.64	Gd II	MCS75
90	3068.89	Ir I	MCS75
200	3069.24	Ta I	MCS75
130	3069.36	Ac II	MFT57
6	3069.94	Re I	MCS75
100	3070.887	Ne II	P71
300 l	3071.24	Pa II	BW92b
100	3071.529	Ne II	P71
30 P	3071.584	Ba I	KL99
20	3071.9336	Pt I	SRSA92
90	3072.1150	Th II	PE83
50	3072.117	Ti II	HJLW82
300	3072.41	Pm II	RCWM80
50	3072.53	Er II	M64b
120	3072.783	U II	BW92b
1000 P	3072.88	Hf I	MCS75
90	3072.986	Ti II	HJLW82
70	3073.08	Tm II	MCS75
60	3073.344	Er II	M64b
30	3074.369	Mo I	WB88
110	3074.79	Hf I	MCS75
130	3075.231	Ti II	HJLW82
100	3075.731	Ne II	P71
60 P	3075.8971	Zn I	GL00
120	3076.865	Nb II	RCL00
70	3076.92	Gd II	MCS75
140	3077.24	Ta I	MCS75
4	3077.36	Eu II	MCS75
400 P	3077.60	Lu II	MCS75
40	3077.72	Os I	MCS75
200 P	3078.651	Ti II	HJLW82
250	3078.75	I II	MC60
150	3078.8280	Th II	PE83
120	3078.905	Tb II	B01
110	3080.2170	Th II	PE83
50	3080.752	Ni I	LBT93
200	3080.84	Hf I	MCS75
40	3081.121	Tm I	SMC73
700 P,h	3081.47	Lu I	MCS75

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
250	3081.99	Gd II	MCS75
70	3082.083	Er II	M64b
500 P	3082.153	Al I	KM91b
30 c	3082.34	Ho II	MCS75
10	3082.43	Re I	MCS75
20	3083.96	Rh I	MCS75
60	3084.020	Er II	M64b
60	3084.36	Ho II	MCS75
30	3085.616	Mo I	WB88
25 c	3086.54	Ho II	MCS75
20	3087.62	Mo II	MCS75
300 P	3088.042	Ti II	HJLW82
120	3088.166	Ne II	P71
6	3089.102	Yb II	M67
3	3091.065	Mg I	KM91a
700 P	3091.570	Tl II	JKBL96
100	3092.092	Ne II	P71
800 P	3092.710	Al I	KM91b
600 P	3092.73	Na II	W71
200 P	3092.839	Al I	KM91b
120	3092.901	Ne II	P71
4	3092.984	Mg I	KM91a
120	3093.005	U II	BW92b
1000 P	3093.102	V II	ICL88
300 l	3093.23	Pa II	BW92b
15	3093.402	Ar II	N73
100	3094.006	Ne II	P71
500 P	3094.176	Nb II	RCL00
400	3094.45	Na II	W71
20	3094.663	Mo I	WB88
100	3095.103	Ne II	P71
400	3095.55	Na II	W71
30	3096.565	Ru I	K59
110	3096.8104	Pt II	SRSA92
2	3096.890	Mg I	KM91a
100	3097.131	Ne II	P71
80	3098.60	Tm II	MCS75
100	3099.10	Tc I	BMC67
80	3099.284	Ru I	K59
25	3100.0252	Pt I	SRSA92
30	3100.29	Ir I	MCS75
30	3100.45	Ir I	MCS75
400	3100.50	Gd II	MCS75
13	3100.67	Re I	MCS75
70	3100.836	Ru I	K59
20	3101.344	Mo I	WB88
40	3101.40	Hf II	MCS75
300 P	3101.557	Ni I	LBT93
150	3101.79	K I	R56
150	3101.878	Ni I	LBT93
120	3102.04	K I	R56
800 P	3102.292	V II	ICL88
120	3102.422	U II	BW92b
70	3102.55	Gd II	MCS75
200	3103.25	Ta I	MCS75
200	3105.00	K II	D26
30	3106.162	Eu I	ST76
120	3106.576	Zr II	J98
9	3107.902	Yb II	M67
120	3108.2968	Th II	PE83

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
200	3108.60	Cu I	S48
13	3108.81	Re I	MCS75
80	3109.12	Hf II	MCS75
20	3109.38	Os I	MCS75
1000 P	3109.690	Cm I	WHGC76
700 P	3110.709	V II	ICL88
90 P	3111.427	Eu I	ST76
200	3111.618	U II	BW92b
50	3112.119	Mo I	WB88
130	3112.83	Ac II	MFT57
100	3114.0380	Pd I	ELLW98
150	3116.2630	Th I	PE83
1000 P	3116.411	Cm I	WHGC76
11	3117.806	Yb II	M67
100	3117.980	Ne II	P71
120	3118.160	Ne II	P71
500 P	3118.376	V II	ICL88
400 P	3118.43	Lu I	MCS75
50	3118.50	Ho II	MCS75
13	3118.64	Cr II	K51
120	3119.5262	Th II	PE83
90	3119.723	Ti I	F91
25	3120.36	Cr II	K51
400 s	3120.486	Am II	FT57
100	3120.746	Zr I	J98
100	3121.87	Xe II	H39
20	3122.00	Mo II	MCS75
70	3122.64	Tc I	BMC67
70	3122.722	Er II	M64b
150 P	3122.784	Au I	ED71
120	3122.9634	Th II	PE83
25	3123.073	Ti I	F91
25	3123.70	Rh I	MCS75
90	3124.3874	Th II	PE83
900	3124.42	Na II	W71
25	3124.94	Cr II	K51
140	3124.952	U II	BW92b
150	3124.97	Ta I	MCS75
400 P	3125.282	V II	ICL88
110	3125.5071	Th II	PE83
90	3125.668	Hg I	BAL50
300 l	3126.23	Pa II	BW92b
8	3128.94	Re I	MCS75
90	3129.173	Zr II	J98
90	3129.760	Zr II	J98
140	3130.272	V II	ICL88
1000 P	3130.4219	Be II	BWWI85
150	3130.58	Ta I	MCS75
500 P	3130.782	Nb II	RCL00
600 P	3131.0667	Be II	BWWI85
150	3131.23	Tc I	BMC67
800 P	3131.26	Tm II	MCS75
80	3131.548	Hg I	BAL50
300	3131.81	Hf I	MCS75
80	3131.839	Hg I	BAL50
30	3132.05	Cr II	K51
100	3132.060	Zr I	J98
500 P	3132.594	Mo I	WB88
100	3132.64	Ta I	MCS75
100	3133.167	Cd I	BA56

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
200	3133.32	Ir I	MCS75
110	3133.339	V II	ICL88
250	3133.89	Tm II	MCS75
400 P	3134.104	Ni I	LBT93
400 P	3134.720	O II	MKM93
100 P	3134.72	Hf II	MCS75
1000	3135.099	Cm I	WHGC76
300	3135.25	Es I	WLGC74
40	3135.384	Dy II	NG00
1000	3135.48	Na II	W71
150	3136.2161	Th I	PE83
1000	3137.160	Cm I	WHGC76
900	3137.86	Na II	W71
250	3138.335	O II	MKM93
120	3138.678	Zr II	J98
100	3139.3066	Th II	PE83
90	3139.3870	Pt I	SRSA92
13	3140.936	Yb II	M67
300	3141.332	Ne II	P71
100	3142.8356	Th II	PE83
100	3143.721	Ne II	P71
110	3145.00	Gd II	MCS75
120	3145.403	Nb II	RCL00
500	3145.71	Na II	W71
70	3146.0434	Th II	PE83
300 l	3146.28	Pa II	BW92b
1000	3147.325	Cm I	WHGC76
100	3148.681	Ne II	P71
60 c	3148.90	Rb II	R75
140	3149.240	U II	BW92b
1000	3149.28	Na II	W71
200	3151.04	Tm II	MCS75
8	3151.64	Re I	MCS75
15	3152.82	Mo II	MCS75
300 s	3153.09	Ac II	MFT57
100 l	3154.27	Es II	WLGC74
70	3154.3009	Th II	PE83
300 s	3154.41	Ac II	MFT57
20*	3155.308	Li II	HM59
20*	3155.330	Li II	HM59
110	3156.25	Os I	MCS75
50	3156.521	Dy II	NG00
110	3156.53	Gd II	MCS75
40	3156.5625	Pt I	SRSA92
200	3156.63	Hf I	MCS75
150	3157.34	Tm II	MCS75
200 P	3158.167	Mo I	WB88
1000	3158.599	Cm I	WHGC76
700 P	3158.869	Ca II	ER56
700	3159.201	Pu II	BFG84
120	3159.82	Hf I	MCS75
13	3161.00	Rb II	R75
40	3161.231	Ti II	HJLW82
110	3161.37	Gd II	MCS75
60	3161.798	Ti II	HJLW82
40 s	3161.826	Am II	FT57
80	3162.586	Ti II	HJLW82
80	3162.61	Hf II	MCS75
30	3162.833	Dy II	NG00
400 P	3163.401	Nb II	RCL00

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
1000	3163.74	Na II	W71
90	3164.313	Zr II	J98
100	3164.429	Ne II	P71
150 s	3164.81	Ac II	MFT57
100	3165.648	Ne II	P71
150	3165.977	Zr II	J98
40 c	3166.62	Ho II	MCS75
90	3167.2244	Pt II	SRSA92
13	3168.37	Re I	MCS75
200	3168.39	Hf I	MCS75
130	3168.550	Ti II	HJLW82
7	3169.056	Yb II	M67
1000	3169.983	Cm II	WHGC76
50	3169.992	Dy II	NG00
120	3170.29	Ta I	MCS75
300 P	3170.344	Mo I	WB88
300 l	3170.89	Pa II	BW92b
300	3171.36	Lu I	MCS75
300 l	3171.54	Pa II	BW92b
25 d,l	3171.72	Ho II	MCS75
40	3172.654	Tm I	SMC73
250	3172.83	Tm II	MCS75
400	3172.94	Hf I	MCS75
300	3173.045	Y II	NJK91
300 P	3173.30	Tc I	BMC67
100	3173.59	Ta I	MCS75
50	3173.78	Ho II	MCS75
25	3173.93	Os II	MCS75
700	3174.488	Pu II	BFG84
25	3174.84	Ho II	MCS75
400 P	3175.035	Sn I	B64
4	3175.147	Te I	MV75
700	3175.152	Pu II	BFG84
100	3175.7257	Th II	PE83
50	3176.86	Hf II	MCS75
1000	3177.554	Cm I	WHGC76
1000 l	3178.466	Bk II	WC78
600	3179.06	Na II	W71
1000	3179.098	Cm I	WHGC76
800 P	3179.332	Ca II	ER56
250 P	3180.1937	Th II	PE83
120	3180.285	Nb II	RCL00
13	3180.70	Cr II	K51
7	3180.919	Yb II	M67
250	3180.95	Ta I	MCS75
700	3181.275	Ca II	ER56
50 c	3181.50	Ho II	MCS75
80	3181.919	Er II	M64b
200 P	3182.37	Tc I	BMC67
150	3182.860	Zr II	J98
11	3182.87	Re I	MCS75
13	3183.033	Mo I	WB88
200 P	3183.11	Tc I	BMC67
250 P	3183.412	V I	D76
25	3183.84	Ho II	MCS75
400 P	3183.992	V I	D76
90	3184.55	Ta I	MCS75
20	3184.76	Re I	MCS75
70	3184.9492	Th II	PE83
13	3185.104	Mo I	WB88

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
300 P	3185.385	V I	DA78
500	3185.51	Tl II	ES36
20	3185.57	Re I	MCS75
1000	3186.412	Cm I	WHGC76
300	3186.451	Ti I	F91
500	3186.56	Tl II	ES36
110	3187.717	V II	ICL88
500	3187.74	Tl II	ES36
20	3187.74	He I	M60a
1000	3188.109	Cm I	WHGC76
200	3188.2329	Th II	PE83
140	3188.522	V II	ICL88
100	3188.743	Ne II	P71
15	3188.97	Si II	S61b
900	3189.79	Na II	W71
200 P	3190.686	V II	ICL88
80	3190.914	Ti II	HJLW82
50	3191.19	Rh I	MCS75
150	3191.215	Zr I	J98
400	3191.993	Ti I	F91
90	3192.5856	Th I	PE83
20	3192.885	Yb II	M67
15	3193.09	Si II	S61b
50	3193.2258	Fe I	NJLT94
80	3193.2998	Fe I	NJLT94
40	3193.53	Hf II	MCS75
250 P	3193.979	Mo I	WB88
150	3194.10	Cu I	S48
80	3194.19	Hf II	MCS75
120	3194.579	Ne II	P71
9	3194.720	Au I	ED71
200	3194.821	Ce II	C73
300 P	3194.975	Nb II	RCL00
500 P,c	3195.20	Tc II	BMC67
200	3195.613	Y II	NJK91
90	3195.6891	Th I	PE83
10	3195.960	Mo I	WB88
100	3196.31	Zn II	CD68
20	3196.330	Li II	HM59
10	3196.356	Li II	HM59
12	3197.08	Cr II	K51
20	3197.13	Rh I	MCS75
25 c	3197.83	Ho II	MCS75
40	3198.012	V I	DA78
700 P	3198.467	Pu II	BFG84
500 P	3198.586	Ne II	P71
70*	3199.332	Li II	HM59
70*	3199.434	Li II	HM59
120	3199.5087	Pt II	SRSA92
7	3199.514	Si II	S61b
500	3199.915	Ti I	F91
150	3200.269	Y II	NJK91
40	3200.7097	Pt I	SRSA92
13	3201.160	Yb II	M67
300	3201.712	Ce II	C73
25	3201.76	Ho II	MCS75
60	3202.389	V I	DA78
60	3202.559	Ti II	HJLW82
15 c	3203.10	He II	GM65
150	3203.320	Y II	NJK91

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
30	3203.825	Ti I	F91
20 h	3203.872	Si II	S61b
80	3204.0364	Pt I	SRSA92
20 c	3204.25	Re I	MCS75
11	3205.217	Mo I	WB88
40	3205.577	V I	DA78
30	3205.887	Mo I	WB88
140	3206.11	Hf I	MCS75
1000	3207.121	Cm II	WHGC76
60	3207.25	W I	MCS75
40	3207.408	V I	DA78
1000	3207.708	Cm I	WHGC76
12	3208.169	Hg II	SR01
100 P	3208.838	Mo I	WB88
60	3208.965	Ne II	P71
9	3209.19	Cr II	K51
120	3209.356	Ne II	P71
1000	3209.892	Cm II	WHGC76
1000	3209.943	Cm I	WHGC76
30 h	3210.020	Si II	RA65
1000	3210.050	Cm II	WHGC76
40	3210.566	Eu I	ST76
150	3212.016	Zr I	J98
700 P	3212.02	Tc II	BMC67
40	3212.12	Ir I	MCS75
900	3212.19	Na II	W71
30	3212.432	V I	DA78
90 P	3212.804	Eu I	ST76
20	3213.31	Os II	MCS75
120	3213.735	Ne II	P71
40	3213.745	Eu I	ST76
130	3214.189	Zr II	J98
30	3214.237	Ti I	F91
150	3214.329	Ne II	P71
90	3214.3801	Th I	PE83
20	3215.072	Mo I	WB88
120 P	3215.56	W I	MCS75
120	3215.593	Nb II	RCL00
40	3216.627	Dy II	NG00
300	3216.680	Y II	NJK91
90	3217.073	Ti II	HJLW82
300	3217.16	K I	R56
250	3217.62	K I	R56
150	3218.193	Ne II	P71
200	3218.925	Tb II	B01
200	3218.944	Ce II	C73
200	3219.982	Tb II	B01
2	3220.528	Pb I	WA68
80	3220.729	Er II	M64b
1000	3220.759	Cm II	WHGC76
300 P	3220.78	Ir I	MCS75
700 P	3220.942	Pu II	BFG84
250	3221.171	Ce II	C73
130	3221.2912	Th II	PE83
12	3221.734	Mo I	WB88
30	3222.0591	Fe I	NJLT94
110	3222.839	Ti II	HJLW82
60	3223.306	Er II	M64b
80*	3223.74	Gd II	MCS75
1000 P	3224.226	Cm I	WHGC76

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
120	3224.818	Ne II	P71
700 P	3224.873	Pu II	BFG84
1000 P	3225.108	Cm I	WHGC76
250 P	3225.467	Nb II	RCL00
60	3225.7871	Fe I	NJLT94
1000	3226.412	Cm II	WHGC76
200	3227.114	Ce II	C73
1	3227.98	Rb I	RE80
40	3228.092	Mn I	CMG64
30	3228.212	Mo I	WB88
40	3228.618	Ti II	HJLW82
130	3229.0096	Th II	PE83
60	3229.194	Ti II	HJLW82
40	3229.430	Ti II	HJLW82
150	3229.499	U II	BW92b
120	3229.573	Ne II	P71
60 P	3229.75	Tl I	MCS75
20	3229.795	Mo I	WB88
200	3230.070	Ne II	P71
1000	3230.278	Cm I	WHGC76
12	3230.2837	Pt I	SRSA92
1000	3230.349	Cm II	WHGC76
120	3230.419	Ne II	P71
200 P	3230.582	Er II	M64b
130 s	3230.59	Ac II	MFT57
25	3230.632	Au I	ED71
11	3230.716	Mn I	CMG64
110	3231.692	Zr II	J98
120	3232.022	Ne II	P71
70	3232.06	Os I	MCS75
140	3232.156	U II	BW92b
500 d	3232.224	Pu I	BFG84
150	3232.372	Ne II	P71
250 P,r	3232.495	Sb I	SM02
2*	3232.633	Li I	REB95
2*	3232.643	Li I	REB95
130	3232.933	Ni I	LBT93
40	3233.142	Mo I	WB88
7	3233.4167	Pt I	SRSA92
200	3234.123	Zr I	J98
200	3234.161	Ce II	C73
600 P	3234.513	Ti II	HJLW82
110	3235.8400	Th II	PE83
7	3235.94	Re I	MCS75
30	3236.2224	Fe I	NJLT94
120	3236.410	Nb II	RCL00
400 P	3236.581	Ti II	HJLW82
1000	3236.737	Cm I	WHGC76
30	3236.778	Mn I	CMG64
130	3236.81	Tm II	MCS75
700 P	3237.02	Tc II	BMC67
30	3237.060	Mo I	WB88
140	3238.1157	Th II	PE83
1000	3238.548	Cm II	WHGC76
300 P	3239.038	Ti II	HJLW82
2	3240.186	Pb I	WA68
200	3240.23	Tm II	MCS75
300 l	3240.58	Pa II	BW92b
130	3241.044	Zr II	J98
250	3241.54	Tm II	MCS75

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
200	3241.994	Ti II	HJLW82
500 P	3242.272	Y II	NJK91
1000 P	3242.657	Cm II	WHGC76
500 P	3242.6983	Pd I	ELLW98
70	3243.054	Ni I	LBT93
150 h	3243.16	Cu I	S48
100	3243.396	Ne II	P71
7	3243.689	Ar II	N73
12	3243.777	Mn I	CMG64
100	3244.095	Ne II	P71
500	3244.162	Pu I	BFG84
200	3244.4488	Th I	PE83
60	3245.13	La II	MCS75
700 P	3245.206	Pu II	BFG84
1000	3246.247	Cm I	WHGC76
30	3246.963	Tm I	SMC73
1000 P,s	3247.262	Bk II	WC78
1000 P	3247.54	Cu I	S48
150	3247.66	Hf I	MCS75
100	3248.345	Ne II	P71
25	3248.512	Mn I	CMG64
100	3248.605	Ti II	HJLW82
100	3249.53	Hf I	MCS75
50	3249.868	Li II	HM59
100	3250.355	Ne II	P71
90	3250.393	Zr I	J98
50	3251.268	Dy II	NG00
110	3251.6361	Pd I	ELLW98
80	3251.909	Ti II	HJLW82
70	3251.9159	Th II	PE83
30	3251.9787	Pt I	SRSA92
500	3252.070	Pu I	BFG84
1000	3252.191	Bk I	WC78
150	3252.524	Cd I	BA56
1000 b	3252.675	Cm I	WHGC76
100	3252.916	Ti II	HJLW82
11	3252.949	Mn I	CMG64
100 P	3253.70	Hf II	MCS75
100	3254.066	Nb II	RCL00
100	3254.251	Ti II	HJLW82
250 P	3254.31	Lu II	MCS75
200	3254.377	Sm II	K35
70	3255.676	Sc I	AV77
50	3255.9088	Pt I	SRSA92
700 P	3256.089	In I	P38
11	3256.137	Mn I	CMG64
30	3256.208	Mo I	WB88
200	3256.2738	Th II	PE83
300	3257.3667	Th I	PE83
6	3257.826	Cr I	K53
800	3257.96	Na II	W71
200	3258.05	Tm II	MCS75
150 P	3258.565	In I	P38
150	3258.7765	Pd I	ELLW98
11	3258.85	Re I	MCS75
50	3259.050	Er II	M64b
11	3259.55	Re I	MCS75
60	3260.111	Zr I	J98
700 d	3260.539	Pu II	BFG84
300	3260.91	Ac II	MFT57

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
150	3261.055	Cd I	BA56
7	3261.508	Yb II	M67
100	3261.585	Ti II	HJLW82
110 P	3262.29	Os I	MCS75
400 P	3262.331	Sn I	B64
1	3262.355	Pb I	WA68
10	3262.626	Mo I	WB88
200	3262.6684	Th II	PE83
60	3263.14	Rh I	MCS75
1000 s	3263.473	Bk II	WC78
15	3264.401	Mo I	WB88
250 P	3264.782	Er II	M64b
500	3265.177	Pu I	BFG84
60	3265.67	La II	MCS75
1000	3265.806	Cm I	WHGC76
200	3266.64	Tm II	MCS75
110	3266.73	Gd I	MCS75
130	3267.40	Tm II	MCS75
300 P,r	3267.491	Sb I	SM02
300	3267.702	V II	ICL88
110 P	3267.94	Os I	MCS75
10	3268.4170	Pt I	SRSA92
90	3268.99	Tm II	MCS75
20	3269.21	Os I	MCS75
40 P	3269.489	Ge I	AM59
200 P	3269.897	Sc I	AV77
30	3270.899	Mo I	WB88
20	3270.99	Rb II	R75
250	3271.124	V II	ICL88
60	3271.61	Rh I	MCS75
200	3272.0268	Th I	PE83
90	3272.222	Zr II	J98
300	3272.253	Ce II	C73
200	3273.047	Zr II	J98
700 P	3273.111	Pu II	BFG84
250 P	3273.628	Sc I	AV77
1000 P	3273.96	Cu I	S48
500	3274.22	Na II	W71
300	3274.46	Pa II	BW92b
700 P	3275.125	Pu II	BFG84
20	3275.20	Os I	MCS75
500	3275.236	Pu I	BFG84
200 P	3276.130	V II	ICL88
120	3276.81	Tm II	MCS75
4	3277.78	Eu II	MCS75
25 c	3278.15	Ho II	MCS75
500 P	3278.97	Lu I	MCS75
250 P	3279.264	Zr II	J98
700 P	3279.326	Pu II	BFG84
70	3279.326	Er II	M64b
40	3280.091	Dy II	NG00
70	3280.218	Er II	M64b
1000	3280.450	Cm I	WHGC76
250	3280.55	Rh I	MCS75
1000 P,r	3280.680	Ag I	PZ01
1000 P	3281.74	Lu I	MCS75
11	3281.9670	Pt I	SRSA92
60 c	3281.97	Ho II	MCS75
100 s	3282.320	Am II	FT57
50 P	3282.3256	Zn I	GL00

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
90	3282.732	Zr I	J98
50 P	3283.140	Sn II	B64
130	3283.40	Tm II	MCS75
250	3283.57	Rh I	MCS75
150	3284.712	Zr II	J98
200	3285.030	Tb II	B01
11	3285.355	Mo I	WB88
1000 P	3285.60	Na II	W71
130	3285.61	Tm II	MCS75
200	3285.7525	Th I	PE83
40 l	3286.666	Am II	FT57
300	3287.472	O II	MKM93
40	3287.657	Ti II	HJLW82
150	3287.7893	Th II	PE83
25	3288.46	Ho II	MCS75
1000 P,l	3288.750	Bk I	WC78
40	3289.011	Mo I	WB88
30	3289.14	Rh I	MCS75
1000 P	3289.347	Bk I	WC78
1000 P	3289.370	Yb II	M67
700 P	3289.977	Pu II	BFG84
25	3290.2196	Pt I	SRSA92
40	3290.26	Os I	MCS75
700 P	3290.345	Pu II	BFG84
150 h	3290.54	Cu I	S48
30	3290.820	Mo I	WB88
250	3291.00	Tm II	MCS75
500	3291.01	Tl II	ES36
150	3291.332	U II	BW92b
90	3291.48	Gd I	MCS75
200	3291.7394	Th II	PE83
40	3292.076	Ti I	F91
150	3292.5209	Th II	PE83
500	3292.560	Pu I	BFG84
250	3293.065	Tb II	B01
8	3293.640	Ar II	N73
90	3294.08	Gd I	MCS75
40	3294.109	Ru I	K59
20	3294.28	Rh I	MCS75
20	3296.01	Nb I	MCS75
1000	3296.708	Cm II	WHGC76
80	3297.600	Ni II	S70
150	3297.726	Ne II	P71
1000 P	3298.14	Cf I	RCWM80
30	3300.46	Rh I	MCS75
80	3300.82	W I	MCS75
900	3301.35	Na II	W71
250 P	3301.56	Os I	MCS75
30	3301.593	Ru I	K59
400	3301.6511	Th I	PE83
500	3301.754	Pu I	BFG84
250 P	3301.8596	Pt I	SRSA92
150	3302.1262	Pd I	ELLW98
15 P	3302.37	Na I	R56
200	3302.46	Tm II	MCS75
200 P	3302.5829	Zn I	GL00
70 P	3302.9395	Zn I	GL00
8 P	3302.98	Na I	R56
90	3303.11	La II	MCS75
50	3303.21	Re II	MCS75

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
800 P	3304.2383	Th I	PE83
1000 P	3304.849	Cm I	WHGC76
800	3304.96	Na II	W71
90	3305.152	Zr II	J98
7	3305.252	Yb I	MT78
11	3305.563	Mo I	WB88
8	3305.733	Yb II	M67
200	3305.8912	U II	SPMR72
150	3306.277	Zr II	J98
40	3306.284	Li II	HM59
400	3306.388	Sm II	K35
200	3307.017	Sm II	K35
11	3307.125	Mo I	WB88
7	3307.228	Ar II	N73
250 h	3307.95	Cu I	S48
25	3308.305	Au I	ED71
50	3308.883	Dy II	NG00
200	3309.3654	Th I	PE83
30	3309.497	Ti I	F91
25	3309.638	Au I	ED71
150	3309.740	Ne II	P71
130	3309.80	Tm II	MCS75
150	3310.27	Hf I	MCS75
200	3310.661	Sm II	K35
20	3310.91	Os I	MCS75
400 P	3311.16	Ta I	MCS75
50	3311.38	W I	MCS75
800 P	3312.11	Lu I	MCS75
200 P	3312.424	Er II	M64b
25	3312.60	Nb I	MCS75
700 P	3312.647	Pu II	BFG84
300	3312.86	Hf I	MCS75
110	3314.421	Ti I	F91
150 P	3315.0419	Pt I	SRSA92
80	3315.663	Ni I	LBT93
40	3316.316	Dy II	NG00
50	3316.390	Er II	M64b
1000	3317.143	Cm I	WHGC76
30	3318.021	Ti II	HJLW82
600	3318.04	Na II	W71
250	3318.84	Ta I	MCS75
4	3319.412	Yb I	MT78
300	3319.722	Ne II	P71
50	3319.878	Dy II	NG00
40	3320.259	Ni I	LBT93
500	3320.607	Pu I	BFG84
500	3320.834	Pu I	BFG84
300	3321.179	Sm II	K35
100 P	3321.340	Be I	KM97
120	3321.4508	Th II	PE83
15	3321.49	Rb II	R75
50	3321.697	Ti II	HJLW82
40	3322.309	Ni I	LBT93
11	3322.48	Re I	MCS75
250	3322.939	Ti II	HJLW82
400 P	3323.09	Rh I	MCS75
70	3323.195	Er II	M64b
1000 P	3323.745	Ne II	P71
20	3323.949	Mo I	WB88
700 P	3324.413	Tb II	B01

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
90	3324.7527	Th II	PE83
200	3325.1207	Th II	PE83
12	3325.674	Mo I	WB88
50	3326.20	W I	MCS75
30	3326.765	Ti II	HJLW82
150	3327.153	Ne II	P71
12	3327.304	Mo I	WB88
500	3327.69	Na II	W71
400	3327.876	Y II	NJK91
250	3328.60	Po I	C66a
100	3329.158	Ne II	P71
200	3329.458	Ti II	HJLW82
3	3329.919	Mg I	KM91a
400	3330.4770	Th I	PE83
15	3330.775	Mn II	IV64
140 d	3330.99	Ta II	MCS75
150	3331.38	Gd II	MCS75
50	3331.69	W I	MCS75
300	3331.875	Ni II	S70
50	3332.112	Ti II	HJLW82
90	3332.13	Gd II	MCS75
300 l	3332.69	Pa II	BW92b
70	3332.702	Er II	M64b
400	3332.73	Hf I	MCS75
20	3333.139	Si II	S61b
90 P	3334.313	Eu I	ST76
150	3334.6041	Th II	PE83
200	3334.836	Ne II	P71
150	3335.182	Ti II	HJLW82
1000	3335.261	Bk I	WC78
30	3336.15	Os I	MCS75
130	3336.18	Gd II	MCS75
8	3336.394	Mn II	IV64
13	3337.171	Yb II	M67
40 c	3337.23	Ho II	MCS75
150	3337.49	La II	MCS75
700 P	3337.708	Pu II	BFG84
150	3337.84	Cu I	S48
150	3337.8703	Th II	PE83
40	3338.18	Re I	MCS75
40	3338.54	Rh I	MCS75
25 c	3338.86	Ho II	MCS75
500	3338.942	Pu I	BFG84
80	3339.555	Ru I	K59
7	3339.81	Cr II	K51
30	3339.819	Si II	S61b
90	3340.341	Ti II	HJLW82
13	3340.55	Rb II	R75
130	3340.553	Zr II	J98
200	3340.579	Sm II	K35
40	3340.993	Dy II	NG00
700	3341.874	Ti I	F91
80 P	3341.97	Nb I	MCS75
30	3342.24	Re I	MCS75
15 d	3342.93	Yb II	M67
4	3343.071	Yb II	M67
60 c	3343.58	Ho II	MCS75
80 P	3343.71	Nb I	MCS75
10 l	3343.867	Am I	FT57
9	3343.8961	Pt I	SRSA92

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
15	3344.32	Re I	MCS75
150	3344.395	Ne II	P71
100	3344.56	La II	MCS75
40	3344.730	Mo I	WB88
400 P	3345.0134	Zn I	GL00
25	3345.2555	Pt II	SRSA92
300	3345.453	Ne II	P71
80 P	3345.5694	Zn I	GL00
150	3345.829	Ne II	P71
15 P	3345.9353	Zn I	GL00
70	3345.98	Gd II	MCS75
120	3346.036	Er II	M64b
300 s	3346.661	Pa II	G67
30	3346.745	Ti II	HJLW82
11	3347.004	Mo I	WB88
1	3348.72	Rb I	RE80
500 P	3348.7684	Th I	PE83
400 P	3349.029	Ti II	HJLW82
110 P	3349.06	Nb I	MCS75
1000 P	3349.405	Ti II	HJLW82
25	3349.52	Nb I	MCS75
25	3349.987	Tm I	SMC73
700 P	3350.330	Pu II	BFG84
10	3350.397	Eu I	ST76
600 P	3350.47	Gd II	MCS75
1	3350.82	Rb I	RE80
8	3350.924	Ar II	N73
250 P	3351.2286	Th II	PE83
60 P	3351.952	Sn II	B64
40	3352.06	Hf II	MCS75
6	3352.491	Yb II	M67
1000 P	3352.71	Cf I	RCWM80
400 P	3353.724	Sc II	JL80
70	3354.1796	Th II	PE83
1	3354.55	He I	M60a
500	3354.633	Ti I	F91
20	3354.74	Nb I	MCS75
200	3355.016	Ne II	P71
40	3355.2278	Fe I	NJLT94
130	3356.087	Zr II	J98
90	3357.261	Zr II	J98
120	3357.820	Ne II	P71
120	3357.8437	U I	SPMR72
60	3358.118	Mo I	WB88
40	3358.271	Ti I	F91
110 P	3358.42	Nb I	MCS75
9	3358.49	Cr II	K51
150	3358.6020	Th II	PE83
500 P	3358.62	Gd II	MCS75
100	3358.676	Ni II	S70
100	3358.91	Hf I	MCS75
1000 P	3359.56	Lu I	MCS75
70	3359.668	Sc II	JL80
200	3360.597	Ne II	P71
90	3360.71	Gd II	MCS75
30	3360.80	Rh I	MCS75
40	3360.989	Ti I	F91
600 P	3361.227	Ti II	HJLW82
60	3361.257	Sc II	JL80
40	3361.266	Ti I	F91

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
40	3361.554	Ni I	LBT93
60	3361.926	Sc II	JL80
120	3362.161	Ne II	P71
600 P	3362.23	Gd II	MCS75
6	3362.438	Yb II	M67
100 s	3362.546	Am II	FT57
400 P	3362.61	Tm II	MCS75
100	3362.707	Ne II	P71
30	3363.778	Mo I	WB88
130	3364.078	Er II	M64b
40	3365.765	Ni I	LBT93
300	3365.863	Sm II	K35
40	3366.166	Ni I	LBT93
70 h	3366.72	Xe II	H39
20	3366.96	Nb I	MCS75
120	3367.218	Ne II	P71
1000 l	3367.79	Cf II	RCWM80
90	3367.8189	Th II	PE83
130 d	3368.022	Er II	M64b
25	3368.04	Cr II	K51
40	3368.38	Rh I	MCS75
30	3368.455	Ru I	K59
30	3368.48	Ir I	MCS75
140	3368.936	Sc II	JL80
500	3369.15	Tl II	ES36
400	3369.566	Ni I	LBT93
50	3369.8076	Ne I	SS04
70	3369.9072	Ne I	SS04
140	3370.434	Ti I	F91
30	3370.59	Os I	MCS75
600	3371.452	Ti I	F91
250	3371.54	Ta I	MCS75
100	3371.799	Ne II	P71
50	3371.987	Ni I	LBT93
250 P	3372.150	Sc II	JL80
120	3372.25	Rh I	MCS75
700 P	3372.71	Er II	M64b
500 P	3372.798	Ti II	HJLW82
200	3372.9943	Pd I	ELLW98
50	3373.75	W I	MCS75
90	3374.173	Er II	M64b
1000	3374.696	Cm I	WHGC76
600	3374.915	Ga II	IL85
20	3374.92	Nb I	MCS75
400	3374.9749	Th I	PE83
13	3375.483	Yb II	M67
500	3375.948	Ga II	IL85
8	3376.436	Ar II	N73
800 P	3376.50	Lu I	MCS75
150	3377.486	Ti I	F91
400	3377.575	Ti I	F91
500 P	3378.216	Ne II	P71
90	3378.5734	Th II	PE83
50	3379.06	Re II	MCS75
40	3379.211	Ti I	F91
30	3379.965	Mo I	WB88
120	3380.277	Ti II	HJLW82
15	3380.41	Nb I	MCS75
400	3380.570	Ni I	LBT93
14 P	3380.71	Sr II	MCS75

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
200	3380.8595	Th I	PE83
150	3380.91	La II	MCS75
300	3382.399	Sm II	K35
11	3382.482	Mo I	WB88
500 P,r	3382.887	Ag I	PZ01
130 s	3383.53	Ac II	MFT57
500 P	3383.769	Ti II	HJLW82
70	3384.609	Mo I	WB88
250 P	3385.014	Dy II	NG00
140	3385.05	Ta I	MCS75
150	3385.083	Er II	M64b
120	3385.50	Lu I	MCS75
70	3385.5316	Th II	PE83
20	3385.660	Ti I	F91
200	3385.941	Ti I	F91
70	3386.5006	Th II	PE83
1000 s	3387.446	Bk II	WC78
8	3387.505	Yb I	MT78
120	3387.840	Ti II	HJLW82
20	3387.84	Os I	MCS75
100	3387.869	Zr II	J98
200	3387.9205	Th I	PE83
130	3388.295	Zr II	J98
150	3388.417	Ne II	P71
8	3388.531	Ar II	N73
30	3388.850	Dy II	NG00
120	3388.945	Ne II	P71
90	3389.83	Hf II	MCS75
250	3390.209	O II	MKM93
250	3390.3775	U I	SPMR72
150	3391.043	Ni I	LBT93
700 P	3391.405	Pu II	BFG84
1000 P	3391.972	Zr II	J98
200 P	3391.998	Er II	M64b
300 P	3392.0349	Th II	PE83
1000	3392.22	Cf I	RCWM80
20	3392.34	Nb I	MCS75
130	3392.53	Gd II	MCS75
30	3392.533	Ru I	K59
300	3392.798	Ne II	P71
100	3392.81	Hf I	MCS75
400	3392.986	Ni I	LBT93
13	3393.03	Rb II	R75
100	3393.119	Zr II	J98
150	3393.567	Dy II	NG00
300 l	3394.49	Pa II	BW92b
90	3394.578	Ti II	HJLW82
20 l	3395.010	Am I	FT57
100	3395.373	Co I	PT96
60	3396.156	Dy II	NG00
5	3396.58	Eu II	MCS75
300	3396.7278	Th I	PE83
600 P	3396.82	Rh I	MCS75
200	3396.82	Lu I	MCS75
250 P	3397.07	Lu II	MCS75
70 c	3397.198	Bi I	GMV85
100	3397.26	Hf I	MCS75
200	3397.50	Tm II	MCS75
100	3397.60	Hf I	MCS75
400	3398.5448	Th I	PE83

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
500 P,c	3398.95	Ho II	MZH78
70 P	3399.30	Re I	MCS75
90	3399.70	Rh I	MCS75
250 P	3399.80	Hf II	MCS75
700 d	3401.09	Pu II	BFG84
20	3401.86	Os I	MCS75
9	3403.30	Cr II	K51
400 P	3403.652	Cd I	BA56
20	3404.335	Mo I	WB88
1000 P	3404.5764	Pd I	ELLW98
12	3404.72	Re I	MCS75
100	3404.822	Ne II	P71
100	3404.827	Zr II	J98
500 P	3405.118	Co I	PT96
300	3405.5584	Th I	PE83
12	3405.89	Re I	MCS75
40	3405.94	Mo I	MCS75
15	3406.55	Rh I	MCS75
800	3406.79	Te II	HM64
150	3406.94	Ta I	MCS75
120	3406.947	Ne II	P71
50	3407.4597	Fe I	NJLT94
130*	3407.56	Gd II	MCS75
130*	3407.61	Gd II	MCS75
250 P	3407.792	Dy II	NG00
900 P,c	3408.1308	Pt I	SRSA92
1000	3408.281	Bk I	WC78
15	3408.38	Nb I	MCS75
200	3408.676	Sm II	K35
20	3408.76	Cr II	K51
200	3409.176	Co I	PT96
80	3410.048	Tm I	SMC73
130	3410.243	Zr II	J98
50 c	3410.26	Ho II	MCS75
25 c	3410.65	Ho II	MCS75
1000 P,l	3412.131	Bk II	WC78
90	3412.27	Rh I	MCS75
300	3412.337	Co I	PT96
30	3412.590	Tm I	SMC73
100	3412.633	Co I	PT96
400	3413.0130	Th I	PE83
100	3413.148	Ne II	P71
1000	3413.17	Es	WLGC74
40	3413.476	Ni I	LBT93
60	3413.783	Dy II	NG00
130	3413.84	Ac II	MFT57
40	3413.936	Ni I	LBT93
1000 P	3414.764	Ni I	LBT93
90 c	3414.90	Ho II	MCS75
300 P	3416.44	Ho II	MZH78
30	3416.588	Tm I	SMC73
120	3416.914	Ne II	P71
150	3416.95	Gd II	MCS75
130	3417.157	Co I	PT96
300	3417.332	Ru I	K59
100	3417.34	Hf I	MCS75
120	3417.688	Ne II	P71
200	3417.77	Ac II	MFT57
30	3417.8034	Pt II	SRSA92
50	3417.9031	Ne I	SS04

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
5	3418.0055	Ne I	SS04
8	3418.390	Yb I	MT78
150	3418.73	Gd II	MCS75
200	3419.18	Hf I	MCS75
15	3419.41	Re I	MCS75
40	3419.631	Dy II	NG00
40 s	3419.662	Am II	FT57
11	3421.19	Cr II	K51
700 P	3421.2100	Th I	PE83
40	3421.22	Rh I	MCS75
500 P	3421.2214	Pd I	ELLW98
80	3421.63	Ho II	MCS75
800 P	3422.47	Gd II	MCS75
14	3422.73	Cr II	K51
200	3423.708	Ni I	LBT93
250*	3423.90	Gd I	MCS75
250*	3423.92	Gd II	MCS75
500	3423.9897	Th I	PE83
120	3424.5566	U II	SPMR72
90	3424.59	Gd II	MCS75
150 P	3424.62	Re I	MCS75
700 P	3425.08	Tm II	MCS75
120 c	3425.34	Ho II	MCS75
110	3425.63	Tm II	MCS75
20	3426.044	Yb I	MT78
7	3426.19	Re I	MCS75
1	3426.86	Na I	R56
1000 P	3426.951	Bk I	WC78
50	3427.1194	Fe I	NJLT94
500	3427.40	Pm II	RCWM80
25	3427.9268	Pt I	SRSA92
120 c	3428.13	Ho II	MCS75
400	3428.319	Ru I	K59
40	3428.388	Er II	M64b
1000 P,s	3428.48	Es I	WLGC74
120	3428.687	Ne II	P71
40 c	3429.18	Ho II	MCS75
30	3429.332	Tm I	SMC73
90	3429.96	Tm II	MCS75
200	3430.527	Zr II	J98
400 c	3430.605	Bi II	DLW02
40	3430.764	Ru I	K59
13	3431.107	Yb I	MT78
12	3431.351	Sc I	AV77
120	3431.582	Co I	PT96
80	3432.99	Gd II	MCS75
200	3433.040	Co I	PT96
500	3433.4278	Pd I	ELLW98
300	3433.556	Ni I	LBT93
14	3433.589	Cr I	K53
250 P	3433.9988	Th II	PE83
11	3434.18	Rb II	R75
90	3434.367	Dy II	NG00
13	3434.788	Mo I	WB88
900 P	3434.89	Rh I	MCS75
11	3435.448	Mo I	WB88
200	3435.4913	U I	SPMR72
25	3435.541	Sc I	AV77
200	3435.9771	Th II	PE83
8	3436.190	Cr I	K53

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
600 P	3436.737	Ru I	K59
40	3437.02	Ir I	MCS75
20	3437.213	Mo I	WB88
120	3437.278	Ni I	LBT93
800 P	3438.231	Zr II	J98
6	3438.848	Yb II	M67
80	3438.9503	Th II	PE83
200	3439.21	Gd II	MCS75
90	3439.78	Gd II	MCS75
300	3439.99	Gd II	MCS75
250	3440.05	K II	D26
150	3440.53	Rh I	MCS75
400 P	3440.6060	Fe I	NJLT94
250	3440.9888	Fe I	NJLT94
70	3441.128	Er II	M64b
250	3441.3896	Pd I	ELLW98
60	3441.446	Dy II	NG00
7	3441.449	Cr I	K53
600 P	3441.50	Tm II	MCS75
60 P	3441.985	Mn II	KG00
200	3442.5790	Th I	PE83
1000 P	3442.664	Bk I	WC78
30	3442.684	Er I	M64b
400 P	3443.645	Co I	PT96
100	3443.8765	Fe I	NJLT94
70	3444.322	Ti II	HJLW82
300 s	3445.25	Es	WLGC74
150	3445.572	Dy II	NG00
8	3445.604	Cr I	K53
20	3446.186	Am I	FT57
600 P	3446.259	Ni I	LBT93
400	3446.37	K I	R56
40	3446.992	Dy II	NG00
110 P	3447.124	Mo I	WB88
150	3447.362	Zr I	J98
400	3447.38	K I	R56
8	3447.426	Cr I	K53
2	3447.59	He I	M60a
20	3447.7024	Ne I	SS04
20	3449.074	Mo I	WB88
200	3449.170	Co I	PT96
40	3449.35	Ho I	MCS75
100	3449.440	Co I	PT96
400	3449.80	Pm II	RCWM80
150	3450.38	Gd II	MCS75
130	3451.23	Gd II	MCS75
500 P	3451.303	B II	LZJK98
200	3451.7023	Th I	PE83
10	3451.75	Mo I	MCS75
300 P,c	3451.88	Re I	MCS75
200 l	3452.098	Am II	FT57
300	3452.36	Es	WLGC74
5	3452.398	Yb I	MT78
300 l	3452.82	Pa II	BW92b
150	3452.889	Ni I	LBT93
1000 P	3452.922	Cm I	WHGC76
200 P	3453.11	Ho II	MZH78
10	3453.328	Cr I	K53
1000 P	3453.510	Co I	PT96
600 P	3453.66	Tm II	MCS75

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
1000 l	3453.897	Bk I	WC78
30	3454.080	Yb II	M67
10	3454.1944	Ne I	SS04
120	3454.315	Dy II	NG00
100	3454.90	Gd II	MCS75
40	3455.22	Rh I	MCS75
6	3455.607	Cr I	K53
50 c	3455.70	Ho II	MCS75
60	3455.902	Zr I	J98
1000 P,c	3456.02	Ho II	MZH78
30	3456.386	Mo I	WB88
60	3456.557	Dy II	NG00
100	3456.610	Ne II	P71
20	3457.07	Rh I	MCS75
12	3457.442	Sc I	AV77
70	3457.561	Zr II	J98
25	3457.93	Rh I	MCS75
11 d	3458.286	Yb II	M67
1000 P	3458.338	Cm I	WHGC76
7	3458.391	Yb I	MT78
600 P	3458.460	Ni I	LBT93
100	3459.321	Ne II	P71
110	3459.9191	U I	SPMR72
20	3460.269	Yb I	MT78
30	3460.314	Mn II	KG00
1000 P,c	3460.46	Re I	MCS75
10	3460.5237	Ne I	SS04
300 P	3460.7381	Pd I	ELLW98
20	3460.778	Mo I	WB88
200 P	3460.966	Dy II	NG00
1000 s	3461.244	Bk II	WC78
30 h	3461.26	Xe II	H39
15	3461.50	Rb II	R75
50	3461.507	Ti II	HJLW82
600 P	3461.652	Ni I	LBT93
100	3461.97	Ho II	MCS75
600	3462.04	Rh I	MCS75
1000 P	3462.20	Tm II	MCS75
100	3462.2200	U I	SPMR72
250	3462.805	Co I	PT96
80	3462.8505	Th II	PE83
140	3463.013	Zr II	J98
140	3463.5479	U I	SPMR72
300	3463.98	Gd II	MCS75
1000 s	3464.133	Bk II	WC78
10	3464.3382	Ne I	SS04
130 P	3464.37	Yb I	MT78
20 P	3464.46	Sr II	MCS75
700 P,c	3464.73	Re I	MCS75
250	3465.793	Co I	PT96
120	3465.8606	Fe I	NJLT94
500 P	3466.200	Cd I	BA56
500 P,c	3466.28	Tc I	BMC67
200	3466.3010	U I	SPMR72
20	3466.5781	Ne I	SS04
11	3466.824	Mo I	WB88
200	3467.27	Gd II	MCS75
20	3467.513	Tm I	SMC73
400 P	3467.655	Cd I	BA56
7	3467.96	Re I	MCS75

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
90	3468.2198	Th II	PE83
30	3468.429	Dy II	NG00
200	3468.99	Gd II	MCS75
11	3469.219	Mo I	WB88
40	3469.509	Er I	M64b
20	3469.62	Rh I	MCS75
300 P	3469.9208	Th II	PE83
500	3470.347	Ga II	IL85
500	3470.66	Rh I	MCS75
250	3470.676	O II	MKM93
150	3471.185	Zr I	J98
300	3471.2186	Th I	PE83
90	3471.709	Er II	M64b
1000 s	3472.016	Bk II	WC78
300	3472.40	Hf I	MCS75
250 P	3472.48	Lu II	MCS75
200	3472.545	Ni I	LBT93
50	3472.5706	Ne I	SS04
150	3473.22	Gd II	MCS75
100	3473.4269	U I	SPMR72
50 c	3473.91	Ho II	MCS75
400 P	3473.974	Co I	PT96
30 h	3474.038	Mn II	KG00
400 P	3474.042	Co I	PT96
300 P,c	3474.25	Ho II	MZH78
500	3474.78	Rh I	MCS75
200	3475.4502	Fe I	NJLT94
100	3475.59	Tc I	BMC67
30	3476.303	Yb II	M67
30	3476.692	Tm I	SMC73
50	3476.7019	Fe I	NJLT94
25	3476.747	Ar II	N73
60	3477.067	Dy II	NG00
50	3477.187	Ti II	HJLW82
1000 s	3477.620	Bk II	WC78
7	3478.232	Ar II	N73
20	3478.69	Nb I	MCS75
60	3478.780	Zr I	J98
30	3478.835	Yb II	M67
200	3478.91	Rh I	MCS75
60	3479.28	Hf II	MCS75
200 P	3479.387	Zr II	J98
60	3479.413	Er II	M64b
150	3479.519	Ne II	P71
120	3480.0525	Th I	PE83
110	3480.3634	U I	SPMR72
7	3480.38	Re I	MCS75
200	3480.52	Ta I	MCS75
30	3480.525	Ti I	F91
200	3480.718	Ne II	P71
30	3480.975	Tm I	SMC73
1000	3481.07	Cf I	RCWM80
400 P	3481.1516	Pd I	ELLW98
250 P	3481.155	Zr II	J98
300 s	3481.16	Ac II	MFT57
250	3481.28	Gd II	MCS75
200	3481.80	Gd II	MCS75
300 P	3481.93	Np I	FTBC76
200	3481.933	Ne II	P71
140	3482.4900	U II	SPMR72

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
25	3482.904	Mn II	KG00
1000 P,l	3483.308	Am II	FT57
12	3483.4231	Pt I	SRSA92
130	3483.532	Zr II	J98
70	3483.777	Ni I	LBT93
300 s	3484.59	Es I	WLGC74
400 P	3484.80	Ho II	MZH78
250 h	3484.88	Nd I	MCS75
200	3485.046	Ce II	C73
60	3485.2641	Pt I	SRSA92
15	3485.722	Y I	P77
90	3485.854	Er II	M64b
100 c	3486.23	Tc I	BMC67
300	3486.5512	Th I	PE83
40	3487.379	Tm I	SMC73
15	3488.675	Mn II	KG00
150	3489.1841	Th I	PE83
500 P	3489.3672	U I	SPMR72
250	3489.400	Co I	PT96
130	3489.53	Ac II	MFT57
30	3489.58	Ho II	MCS75
80	3489.7700	Pd I	ELLW98
250	3490.5740	Fe I	NJLT94
40	3491.072	Ti II	HJLW82
15	3491.244	Ar II	N73
30	3491.536	Ar II	N73
110	3491.95	Gd II	MCS75
700 P	3492.956	Ni I	LBT93
40 c	3493.09	Ho II	MCS75
110	3493.9963	U I	SPMR72
200	3494.40	Gd II	MCS75
200 P	3494.489	Dy II	NG00
150 c	3494.76	Ho II	MCS75
50	3495.24	W I	MCS75
110	3495.682	Co I	PT96
12	3495.833	Mn II	KG00
6 h,w	3495.90	Yb II	M67
130	3496.079	Y II	NJK91
700 P	3496.206	Zr II	J98
120	3496.8107	Th I	PE83
110	3497.16	Hf I	MCS75
400	3497.49	Hf I	MCS75
8	3497.525	Mn II	KG00
50	3497.8406	Fe I	NJLT94
150	3497.85	Ta I	MCS75
10	3498.0636	Ne I	SS04
1000 P,s	3498.11	Es I	WLGC74
200	3498.6210	Th I	PE83
30	3498.63	Nb I	MCS75
40	3498.707	Dy II	NG00
130	3498.73	Rh I	MCS75
50 c	3498.88	Ho II	MCS75
800 P	3498.944	Ru I	K59
600 P	3499.104	Er II	M64b
300	3499.21	Ge II	S63a
30	3499.948	Tm I	SMC73
200	3500.0760	U I	SPMR72
100	3500.70	Tc I	BMC67
80	3500.851	Ni I	LBT93
80 P	3501.108	Ba I	KL99

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
20	3501.2159	Ne I	SS04
200	3501.388	F II	P69
200	3501.451	F II	P69
300 P,h	3501.50	Np I	FTBC76
200	3501.569	F II	P69
500 P	3502.280	Co I	PT96
600 P	3502.52	Rh I	MCS75
80 c	3502.70	Tc I	BMC67
40	3502.780	Er I	M64b
200	3502.840	F II	P69
200	3502.964	F II	P69
10	3503.06	Re I	MCS75
200	3503.106	F II	P69
120	3503.7859	Th I	PE83
90	3503.87	Ta I	MCS75
100	3504.0089	U I	SPMR72
30	3504.411	Mo I	WB88
40	3504.528	Dy II	NG00
20	3504.66	Os I	MCS75
70	3504.900	Ti II	HJLW82
300	3504.97	Pa I	BW92b
140	3505.23	Hf II	MCS75
150	3505.369	F II	P69
40	3505.452	Dy II	NG00
150	3505.51	Gd II	MCS75
200	3505.515	F II	P69
200	3505.628	F II	P69
140	3505.666	Zr II	J98
300	3506.312	Co I	PT96
1	3506.74	Xe I	HM33
60	3506.812	Dy II	NG00
25 c	3506.95	Ho II	MCS75
300 P	3507.32	Rh I	MCS75
250	3507.3442	U I	SPMR72
500 P,c	3507.39	Lu II	MCS75
30	3507.96	Nb I	MCS75
20	3508.114	Mo I	WB88
200	3508.42	Lu I	MCS75
60	3508.8500	Pt II	SRSA92
1000 P	3509.146	Tb II	B01
300	3509.321	Zr I	J98
25	3509.778	Ar II	N73
140	3509.841	Co I	PT96
500 P	3510.127	Am I	FT57
1000	3510.279	Cm I	WHGC76
300	3510.335	Ni I	LBT93
90	3510.73	Ho I	MCS75
50	3510.862	Ti II	HJLW82
60 c	3510.864	Bi I	GMV85
200	3511.04	Ta I	MCS75
200	3511.1574	Th I	PE83
90	3512.22	Gd II	MCS75
130	3512.50	Gd II	MCS75
250	3512.640	Co I	PT96
1000 l	3513.47	Cf II	RCWM80
200	3513.481	Co I	PT96
200 P	3513.64	Ir I	MCS75
150	3513.65	Gd I	MCS75
100	3513.6742	U I	SPMR72
1000 P,l	3514.33	Es I	WLGC74

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
25	3514.388	Ar II	N73
60	3514.491	Ru I	K59
500 P	3514.6107	U I	SPMR72
10	3514.7134	Pt I	SRSA92
40	3514.889	Er II	M64b
800 P	3515.052	Ni I	LBT93
20	3515.1902	Ne I	SS04
250 P,c	3515.56	Ho II	MZH78
500 P	3516.9438	Pd I	ELLW98
150	3517.296	V II	ICL88
25	3517.598	Tm I	SMC73
250	3518.347	Co I	PT96
250	3518.4040	Th I	PE83
1000 P	3519.24	Tl I	MCS75
600 P	3519.604	Zr I	J98
80	3519.765	Ni I	LBT93
25 c	3519.94	Ho II	MCS75
13	3520.293	Yb II	M67
100 P	3520.4711	Ne I	SS04
120	3521.0595	Th I	PE83
8 c,w	3521.09	Eu II	MCS75
250 P	3521.11	Te II	HM64
30	3521.2612	Fe I	NJLT94
1000 P,s	3521.38	Es I	WLGC74
30	3521.39	Rb II	R75
15	3521.413	Mo I	WB88
130	3521.566	Co I	PT96
1000	3522.355	Cm I	WHGC76
400	3523.02	Hf I	MCS75
200	3523.433	Co I	PT96
1000 P,s	3523.49	Es I	WLGC74
250	3523.679	Tb II	B01
200	3523.979	Dy II	NG00
110	3524.20	Gd II	MCS75
1000 P	3524.536	Ni I	LBT93
60	3524.912	Er II	M64b
1000	3524.938	Cm I	WHGC76
80	3525.808	Zr II	J98
80	3525.83	Tc I	BMC67
40	3526.0408	Fe I	NJLT94
120	3526.6342	Th I	PE83
300 P	3526.850	Co I	PT96
900 P	3528.02	Rh I	MCS75
9	3528.5348	Pt I	SRSA92
40	3528.60	Os I	MCS75
1000	3528.721	Bk I	WC78
130	3529.033	Co I	PT96
250 P	3529.43	Tl I	MCS75
20	3529.733	V I	DA78
300 P	3529.808	Co I	PT96
200	3530.38	Cu I	S48
300 s	3530.65	Pa II	BW92b
250	3530.75	K II	D26
100 l	3530.948	Am I	FT57
1000 l	3531.397	Bk I	WC78
250	3531.4505	Th I	PE83
1000	3531.49	Cf I	RCWM80
30 l	3531.55	Rb II	R75
1000 P	3531.703	Dy II	NG00
13	3531.836	Mn I	CMG64

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
40	3532.110	Mn I	CMG64
10	3532.594	Hg II	SR01
800	3533.05	Na II	W71
130	3533.223	Zr I	J98
130	3533.5659	U II	SPMR72
50	3533.676	V I	DA78
100	3534.3346	U I	SPMR72
200	3534.958	Dy II	NG00
60	3535.159	Zr I	J98
120 P	3535.30	Nb I	MCS75
200	3535.52	Tm II	MCS75
120	3535.54	Hf II	MCS75
100	3535.713	Sc II	JL80
1000 l	3535.731	Bk I	WC78
1000 s	3536.01	Es	WLGC74
250 P	3536.018	Dy II	NG00
90	3536.58	Tm II	MCS75
300	3536.62	Hf I	MCS75
20	3537.28	Mo I	MCS75
80	3537.48	Nb I	MCS75
40	3537.910	Tm I	SMC73
90 d	3538.14	Rh I	MCS75
200	3538.516	Dy II	NG00
80	3538.68	Tc I	BMC67
200	3539.076	Ce II	C73
70	3539.368	Ru I	K59
150	3539.5872	Th II	PE83
30	3539.590	Er I	M64b
200	3540.270	Tb II	B01
40	3540.76	Ho II	MCS75
1000	3540.98	Cf I	RCWM80
30	3541.0833	Fe I	NJLT94
11	3541.15	Rb II	R75
200 c	3541.77	Tc I	BMC67
30	3541.91	Rh I	MCS75
1000	3542.059	Cm I	WHGC76
11	3542.166	Mo I	WB88
1000 P,s	3542.187	Bk II	WC78
80	3542.327	Dy II	NG00
100	3542.5704	U I	SPMR72
110	3542.621	Zr II	J98
120	3542.847	Ne II	P71
130	3543.95	Rh I	MCS75
300	3544.0179	Th I	PE83
30	3544.02	Nb I	MCS75
150	3545.195	V II	ICL88
80	3545.22	W I	MCS75
25	3545.596	Ar II	N73
500 P	3545.80	Gd II	MCS75
25	3545.845	Ar II	N73
100	3546.05	Ho II	MCS75
60	3546.832	Dy II	NG00
1000	3547.018	Cm I	WHGC76
25	3547.028	Ti I	F91
500 P	3547.683	Zr I	J98
1000 P,s	3547.75	Es II	WLGC74
50	3547.794	Mn I	CMG64
1000	3547.922	Cm I	WHGC76
40	3548.022	Mn I	CMG64
40	3548.182	Ni I	LBT93

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
14	3548.182	Mn I	CMG64
40	3548.5211	Pt II	SRSA92
300 P	3549.002	Y II	NJK91
100	3549.2018	U I	SPMR72
400	3549.36	Gd II	MCS75
200	3549.54	Rh I	MCS75
300	3549.5959	Th I	PE83
600 c	3549.72	Tc I	BMC67
60	3549.731	Zr I	J98
6	3549.822	Yb II	M67
70	3549.844	Er II	M64b
1	3549.86	Xe I	HM33
200	3550.217	Dy II	NG00
20	3550.45	Nb I	MCS75
200	3550.460	Zr I	J98
400 c	3550.64	Tc I	BMC67
250	3550.8223	U II	SPMR72
250	3551.4019	Th I	PE83
100	3551.615	Dy II	NG00
300 P	3551.951	Zr II	J98
50	3552.690	Y I	P77
60	3552.70	Hf II	MCS75
500 P	3553.0803	Pd I	ELLW98
1000	3553.596	Bk I	WC78
1	3554.04	Xe I	HM33
250 P	3554.43	Lu II	MCS75
60	3554.66	Nb I	MCS75
40	3554.9246	Fe I	NJLT94
130 s	3554.99	Ac II	MFT57
300	3555.0135	Th I	PE83
200	3555.3188	U I	SPMR72
1000 P,l	3555.34	Es I	WLGC74
20	3555.818	Tm I	SMC73
1000	3556.515	Bk I	WC78
400 P	3556.594	Zr II	J98
300 s	3556.65	Es	WLGC74
70 c	3556.78	Ho II	MCS75
150	3556.800	V II	ICL88
150	3557.05	Gd II	MCS75
25	3557.365	Au I	ED71
120	3557.805	Ne II	P71
110	3558.016	Er I	M64b
20	3558.095	Mo I	WB88
40	3558.5151	Fe I	NJLT94
250	3558.534	Sc II	JL80
40	3558.713	Er I	M64b
15	3558.741	Y I	P77
130	3559.4500	Th II	PE83
30	3559.508	Ar II	N73
30	3559.79	Os I	MCS75
90	3559.896	Er II	M64b
25	3560.15	Ho II	MCS75
80	3560.32	Tc I	BMC67
11	3560.327	Yb II	M67
9	3560.704	Yb II	M67
300	3560.798	Ce II	C73
40	3560.86	Os I	MCS75
30	3560.916	Tm I	SMC73
300 s	3560.92	Es	WLGC74
30	3561.030	Ar II	N73

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
100	3561.198	Ne II	P71
100	3561.4110	U I	SPMR72
1000	3561.437	Cm I	WHGC76
150	3561.66	Hf II	MCS75
600 P	3561.708	Tb II	B01
400 P	3561.8038	U I	SPMR72
40 s	3562.680	Am II	FT57
14	3563.136	Mo I	WB88
100	3563.146	Dy II	NG00
200	3563.3756	Th I	PE83
40	3563.50	Nb I	MCS75
40	3563.62	Nb I	MCS75
120	3563.6559	U I	SPMR72
40	3563.876	Tm I	SMC73
25	3564.13	Rh I	MCS75
20	3565.172	Er I	M64b
100	3565.3789	Fe I	NJLT94
700 P,s	3565.59	Ac II	MFT57
10	3566.052	Mo I	WB88
300	3566.099	Zr I	J98
600 P	3566.372	Ni I	LBT93
150	3566.47	Tm II	MCS75
700 P	3566.5909	U I	SPMR72
1000 l	3567.254	Bk II	WC78
40	3567.356	Tm I	SMC73
120	3567.36	Hf I	MCS75
200	3567.702	Sc II	JL80
600 P	3567.84	Lu I	MCS75
1000 P	3568.271	Sm II	K35
250	3568.502	Ne II	P71
700 P	3568.513	Tb II	B01
80	3568.85	Tc I	BMC67
300	3568.970	Tb II	B01
130	3569.04	Hf II	MCS75
150	3569.0781	U I	SPMR72
500 P	3569.163	Am I	FT57
400 P	3569.376	Co I	PT96
80	3569.494	Mn I	CMG64
25	3569.804	Mn I	CMG64
120	3569.8204	Th I	PE83
120	3570.0977	Fe I	NJLT94
130	3570.18	Rh I	MCS75
80	3570.2542	Fe I	NJLT94
300	3570.56	Pa I	BW92b
60	3570.606	Ru I	K59
70	3570.753	Er I	M64b
200	3571.1489	Pd I	ELLW98
20	3571.431	Y I	P77
300	3571.82	Pa I	BW92b
120	3571.864	Ni I	LBT93
80	3571.93	Gd II	MCS75
400 P	3572.468	Zr II	J98
500 P	3572.530	Sc II	JL80
30	3572.729	Pb I	WA68
1000 P	3572.949	Cm II	WHGC76
25 c	3573.24	Ho II	MCS75
6	3573.636	Cr I	K53
70	3573.72	Ir I	MCS75
40	3573.830	Dy II	NG00
11	3573.878	Mo I	WB88

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
60	3574.152	Dy II	NG00
100	3574.181	Ne II	P71
300 P	3574.43	La I	MCS75
200	3574.612	Ne II	P71
100	3574.7602	U I	SPMR72
15	3574.796	Cr I	K53
40 c	3574.80	Ho II	MCS75
120	3575.360	Co I	PT96
100 s	3575.68	Es	WLGC74
300 P	3575.790	Zr I	J98
90 P	3575.85	Nb I	MCS75
25	3576.052	Y I	P77
200	3576.242	Dy II	NG00
400 P	3576.340	Sc II	JL80
300	3576.5574	Th I	PE83
25	3576.616	Ar II	N73
250 P	3576.853	Zr II	J98
80	3576.865	Dy II	NG00
300	3577.450	Ce II	C73
50	3577.870	Mn I	CMG64
110	3577.9162	U I	SPMR72
40	3577.983	Dy II	NG00
20	3578.244	Er I	M64b
1000 P	3578.682	Cr I	K53
130	3578.7211	U II	SPMR72
90	3579.12	Ho I	MCS75
200	3579.227	Tb II	B01
100	3580.06	Tc I	BMC67
140 P,c	3580.15	Re II	MCS75
300 P	3580.27	Nb I	MCS75
90	3580.519	Er II	M64b
25	3580.75	Ho II	MCS75
300 P	3580.928	Sc II	JL80
12	3580.97	Re I	MCS75
600 P	3581.1931	Fe I	NJLT94
60	3581.26	Tc I	BMC67
8	3581.608	Ar II	N73
25	3581.83	Ho II	MCS75
50	3581.885	Mo I	WB88
110	3581.91	Gd II	MCS75
80	3582.08	Tc I	BMC67
15	3582.355	Ar II	N73
200	3582.63	Tc I	BMC67
100 s	3582.95	Es II	WLGC74
15	3583.02	Re I	MCS75
500	3583.10	Rh I	MCS75
150	3583.1022	Th I	PE83
250	3584.514	Y II	NJK91
1000 P	3584.8774	U I	SPMR72
600 P	3584.96	Gd II	MCS75
30	3584.97	Nb I	MCS75
150	3585.058	Dy II	NG00
30	3585.3188	Fe I	NJLT94
20	3585.466	Yb II	M67
60	3585.778	Dy II	NG00
30	3586.067	Tm I	SMC73
250	3586.293	Zr I	J98
25	3586.540	Mn I	CMG64
400	3586.557	Al II	KM91b
25	3586.601	Er I	M64b

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
25	3586.731	Au I	ED71
40	3586.9849	Fe I	NJLT94
1	3587.05	Rb I	RE80
300	3587.187	Co I	PT96
40	3587.204	Ru I	K59
1	3587.27	He I	M60a
30	3587.743	Y I	P77
400	3587.94	Tc I	BMC67
80	3587.974	Zr II	J98
25	3588.441	Ar II	N73
50	3589.11	Nb I	MCS75
600 P	3589.220	Ru I	K59
30	3589.36	Nb I	MCS75
140	3589.633	Sc II	JL80
300	3589.7495	Th I	PE83
150	3589.763	V II	ICL88
300	3590.28	Es	WLGC74
1000	3590.320	Bk I	WC78
140	3590.474	Sc II	JL80
40	3590.764	Er I	M64b
50	3591.416	Dy II	NG00
120	3591.7443	U I	SPMR72
130	3592.021	V II	ICL88
40 c	3592.23	Ho II	MCS75
50	3592.530	V I	DA78
1000 P	3592.603	Sm II	K35
130	3592.71	Gd II	MCS75
500	3592.7794	Th I	PE83
300	3592.915	Y I	P77
600 P	3593.029	Ru I	K59
800 P	3593.481	Cr I	K53
50	3593.5257	Ne I	SS04
30	3593.6389	Ne I	SS04
30	3593.97	Nb I	MCS75
80	3595.037	Dy II	NG00
11	3595.110	Mn I	CMG64
100	3595.47	Es	WLGC74
100 c	3595.66	Tc I	BMC67
30	3595.835	Er I	M64b
1000	3595.880	Bk I	WC78
50 c	3596.097	Bi I	GMV85
600 P	3596.185	Ru I	K59
500	3596.19	Rh I	MCS75
600	3597.15	Rh I	MCS75
150	3597.703	Ni I	LBT93
20	3598.11	Os I	MCS75
500	3598.1199	Th I	PE83
25	3598.713	Ti I	F91
1000 P	3598.77	Cf I	RCWM80
70 c,w	3598.77	Ho II	MCS75
40	3599.48	Ho I	MCS75
60	3599.501	Er II	M64b
120	3599.769	Ru I	K59
90	3599.826	Er II	M64b
250	3599.87	Hf I	MCS75
10	3600.1685	Ne I	SS04
25	3600.374	Dy II	NG00
300	3600.410	Tb II	B01
60	3600.60	Rb II	R75
1000	3600.615	Cm I	WHGC76

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
110	3600.64	Rb II	R75
800 P	3600.731	Y II	NJK91
30 c	3600.95	Ho II	MCS75
90	3601.0344	Th II	PE83
1000	3601.115	Bk I	WC78
1000 P	3601.191	Zr I	J98
200	3601.393	F II	P69
20	3601.655	Cr I	K53
500	3601.915	Y II	NJK91
1000 P,s	3602.43	Es II	WLGC74
30	3602.56	Nb I	MCS75
200	3602.838	F II	P69
9	3602.938	Mo I	WB88
1000 s	3603.201	Bk II	WC78
50	3603.410	Am I	FT57
400	3604.285	Sm II	K35
12	3604.48	Os II	MCS75
1000	3604.781	Bk I	WC78
250	3604.87	Gd I	MCS75
50	3604.898	Er II	M64b
140	3605.2742	U I	SPMR72
1000	3605.32	Cf I	RCWM80
600 P	3605.320	Cr I	K53
10	3605.762	Hg II	SR01
30	3605.86	Rh I	MCS75
80	3606.121	Dy II	NG00
7	3606.478	Yb II	M67
50	3606.6794	Fe I	NJLT94
100 s	3606.75	Es II	WLGC74
100 c	3607.32	Tc I	BMC67
300	3607.41	Ta I	MCS75
30	3607.424	Er I	M64b
15	3607.530	Mn I	CMG64
30 h	3607.88	Kr II	DHM33
200 c	3608.27	Tc I	BMC67
300	3608.3779	Th I	PE83
15	3608.485	Mn I	CMG64
90	3608.75	Gd II	MCS75
250	3608.77	Tm II	MCS75
150	3608.8594	Fe I	NJLT94
250 P	3609.4452	Th II	PE83
800 P	3609.491	Sm II	K35
800 P	3609.5547	Pd I	ELLW98
1000 P	3609.614	Bk I	WC78
80	3610.153	Ti I	F91
13	3610.298	Mn I	CMG64
2	3610.32	Xe I	HM33
150	3610.462	Ni I	LBT93
500 P	3610.508	Cd I	BA56
90	3610.76	Gd II	MCS75
600 P	3611.043	Y II	NJK91
9	3611.568	Au I	ED71
500	3611.78	Te II	HM64
120	3611.891	Zr II	J98
1000	3612.11	Cf I	RCWM80
300	3612.4275	Th I	PE83
300	3612.47	Rh I	MCS75
60	3612.740	Ni I	LBT93
400 P	3612.873	Cd I	BA56
1	3613.06	Xe I	HM33

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
200	3613.097	Zr II	J98
20	3613.31	Ho II	MCS75
3	3613.64	He I	M60a
1000 P	3613.831	Sc II	JL80
200	3614.772	Zr II	J98
25	3614.78	Rh I	MCS75
110	3615.1327	Th II	PE83
100	3616.3305	U I	SPMR72
300 P	3616.565	Er II	M64b
1000	3616.620	Bk I	WC78
400	3616.89	Hf I	MCS75
90	3617.1173	Th II	PE83
1000	3617.49	Cf I	RCWM80
200 P	3617.52	W I	MCS75
50	3617.850	Er II	M64b
300	3618.07	Pa I	BW92b
50	3618.43	Ho I	MCS75
200	3618.49	K II	D26
150	3618.7678	Fe I	NJLT94
50	3618.916	Er II	M64b
11	3619.272	Mn I	CMG64
800 P	3619.391	Ni I	LBT93
11	3619.803	Yb II	M67
100	3620.0838	U I	SPMR72
20	3620.46	Rh I	MCS75
400	3620.940	Y I	P77
400	3621.229	Sm II	K35
1000 s	3621.805	Bk II	WC78
8	3622.138	Ar II	N73
100	3622.6987	U I	SPMR72
300	3623.865	Zr I	J98
50	3624.462	Mo I	WB88
90	3625.6280	Th II	PE83
11	3626.180	Mo I	WB88
200	3626.59	Rh I	MCS75
400	3626.62	Ta I	MCS75
25 c	3626.69	Ho II	MCS75
30	3626.740	Ru I	K59
1000 P,s	3626.76	Cf II	RCWM80
200	3627.014	Sm II	K35
30	3627.25	Ho II	MCS75
100 c	3627.36	Tc I	BMC67
1000	3627.607	Bk I	WC78
50	3628.037	Er I	M64b
60	3628.1107	Pt I	SRSA92
40	3628.67	Ir I	MCS75
150	3628.700	Y II	NJK91
13	3628.8660	Pt I	SRSA92
20	3629.368	Er I	M64b
50	3629.419	Dy II	NG00
200 P	3630.239	Dy II	NG00
700 P	3630.742	Sc II	JL80
40	3630.87	Hf II	MCS75
300 l	3631.09	Es	WLGC74
200	3631.126	Sm II	K35
700	3631.27	Na II	W71
9 h	3631.311	Au I	ED71
120	3631.4631	Fe I	NJLT94
25 c	3631.76	Ho II	MCS75
70	3631.889	Kr II	HP70a

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
700	3632.210	Pu II	BFG84
500	3632.210	Pu I	BFG84
250	3632.8303	Th I	PE83
6	3632.832	Cr I	K53
1000 s	3632.87	Es	WLGC74
1	3633.06	Xe I	HM33
600 P	3633.121	Y II	NJK91
90	3633.536	Er II	M64b
10	3633.6640	Ne I	SS04
90	3634.148	Zr I	J98
300	3634.20	Pm II	RCWM80
2	3634.23	He I	M60a
800 P	3634.290	Sm II	K35
6	3634.525	Yb I	MT78
40	3634.674	Er I	M64b
800 P	3634.6884	Pd I	ELLW98
300	3634.931	Ru I	K59
300 c	3635.15	Tc I	BMC67
30	3635.43	Mo I	MCS75
600 P	3635.462	Ti I	F91
500	3635.9433	Th I	PE83
1000 P,c	3636.07	Tc I	BMC67
90	3636.25	Lu I	MCS75
1000 P	3636.52	Pa I	BW92b
20	3636.588	Cr I	K53
1000 l	3637.054	Bk I	WC78
13	3637.757	Yb II	M67
15	3637.84	Re I	MCS75
25	3637.905	Au I	ED71
250	3638.1986	U I	SPMR72
100	3638.22	Tc I	BMC67
25 c	3638.30	Ho II	MCS75
40	3638.408	Tm I	SMC73
120	3638.6444	Th I	PE83
110	3638.676	Er I	M64b
25	3638.7879	Pt I	SRSA92
25	3638.7879	Pt I	SRSA92
90	3639.38	Tc I	BMC67
30	3639.51	Rh I	MCS75
150 P,r	3639.568	Pb I	WA68
30	3639.80	Cr I	K53
7	3639.833	Ar II	N73
1000	3639.944	Cm I	WHGC76
50	3640.249	Dy II	NG00
1000	3640.255	Bk I	WC78
1000 s	3640.928	Bk II	WC78
15	3641.408	W II	EKM00
250 d	3641.53	La I	MCS75
11	3641.84	Cr I	K53
200	3642.06	Ta I	MCS75
400	3642.2490	Th I	PE83
800 P	3642.674	Ti I	F91
500 P	3642.782	Sc II	JL80
40	3643.1667	Pt I	SRSA92
30	3643.6290	Pt II	SRSA92
110	3643.65	Tm II	MCS75
150	3643.927	Ne II	P71
130	3644.2422	U I	SPMR72
90	3644.36	Hf II	MCS75
9 h	3645.016	Au I	ED71

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
250	3645.308	Sc II	JL80
500 P	3645.396	Dy II	NG00
110	3645.42	La II	MCS75
100	3645.62	Gd II	MCS75
80	3645.936	Er II	M64b
700 P	3646.19	Gd II	MCS75
25	3646.196	Ti I	F91
300 P	3647.77	Lu I	MCS75
150	3647.8428	Fe I	NJLT94
100 c	3648.04	Tc I	BMC67
4	3648.150	Yb I	MT78
50	3648.786	Dy II	NG00
120	3648.84	K I	R56
150	3648.98	K I	R56
11	3648.993	Cr I	K53
150	3649.10	Hf I	MCS75
500 P	3649.55	Ra II	R34a
300	3649.7349	Th I	PE83
25	3649.85	Nb I	MCS75
600 P	3650.153	Hg I	BAL50
50	3650.408	Er II	M64b
400 P	3650.421	Tb II	B01
9	3650.739	Au I	ED71
120	3651.182	Nb II	RCL00
60	3651.47	Tc I	BMC67
200	3651.5366	U I	SPMR72
200	3651.798	Sc II	JL80
100 l	3651.94	Es	WLGC74
8	3651.97	Re I	MCS75
150	3652.0641	U I	SPMR72
70	3652.54	Gd II	MCS75
50	3652.874	Er II	M64b
900 P	3653.495	Ti I	F91
200	3653.664	Ce II	C73
8	3653.916	Cr I	K53
80	3653.928	Kr II	HP70a
40	3654.590	Ti I	F91
400	3654.62	Gd II	MCS75
70	3654.836	Hg I	BAL50
40	3654.87	Rh I	MCS75
5	3655.729	Yb I	MT78
500 P	3655.843	Ce II	C73
400	3656.15	Gd II	MCS75
11	3656.26	Cr I	K53
14	3657.357	Mo I	WB88
900 P	3657.99	Rh I	MCS75
80	3658.095	Ti I	F91
100 c	3658.59	Tc I	BMC67
400 P	3658.891	Tb II	B01
300 P	3659.1548	U I	SPMR72
300	3659.39	Pm II	RCWM80
1000	3659.46	Cf I	RCWM80
150	3659.6294	Th I	PE83
40	3660.37	Nb I	MCS75
50	3660.629	Ti I	F91
250	3660.639	Ce II	C73
70	3661.202	Zr I	J98
600	3661.364	Ru I	K59
500	3661.365	Sm II	K35
30	3661.86	Rh I	MCS75

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
150	3662.26	Gd II	MCS75
200 c	3662.29	Ho I	MCS75
1000	3662.70	Cf I	RCWM80
11 c	3662.74	Rb II	R75
50	3662.99	Ho I	MCS75
400	3663.2025	Th I	PE83
6	3663.206	Cr I	K53
50	3663.279	Hg I	BAL50
80	3663.378	Ru I	K59
20	3663.604	V I	DA78
300 P	3663.648	Zr I	J98
200	3664.073	Ne II	P71
1000	3664.340	Cm I	WHGC76
25	3664.445	Er I	M64b
300	3664.60	Gd II	MCS75
250	3664.610	Y II	NJK91
30	3664.614	Dy II	NG00
60	3664.70	Nb I	MCS75
20	3664.811	Mo I	WB88
50	3665.1680	Pt II	SRSA92
100	3665.18	Nd II	MCS75
13	3665.324	Kr I	KH69
140	3666.22	Rh I	MCS75
80	3666.65	Ho I	MCS75
25	3666.838	Dy I	NG00
20	3666.91	Rh I	MCS75
20	3667.741	V I	DA78
150	3667.97	Ho I	MCS75
250	3667.976	Ce II	C73
120	3668.09	Tm II	MCS75
250	3668.1398	Th I	PE83
70	3668.83	Pr II	MCS75
50	3668.963	Ti I	F91
50	3669.01	Kr II	DHM33
50	3669.52	Ho I	MCS75
60	3669.546	Ru I	K59
13	3669.69	Yb II	M67
1	3669.91	Xe I	HM33
500	3669.9684	Th I	PE83
1000 P,l	3670.01	Es II	WLGC74
600 P	3670.0701	U II	SPMR72
500	3670.840	Sm II	K35
250	3671.20	Gd II	MCS75
10	3671.491	Pb I	WA68
80	3671.671	Ti I	F91
15	3671.9990	Pt I	SRSA92
40	3672.296	Dy II	NG00
100	3672.36	Nd II	MCS75
20	3672.807	Mo I	WB88
500 P	3673.121	Am I	FT57
25	3673.406	V I	DA78
110	3673.54	Nd II	MCS75
12	3674.0449	Pt I	SRSA92
200	3674.05	Gd I	MCS75
60	3674.086	Dy II	NG00
140	3674.715	Zr II	J98
30 c	3674.77	Ho II	MCS75
15	3674.78	Nb I	MCS75
8	3675.085	Yb II	M67
150	3675.5675	Th II	PE83

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
1000 l	3675.585	Bk I	WC78
25	3675.699	V I	DA78
200	3675.74	Hf I	MCS75
700 P	3676.363	Tb II	B01
100	3676.586	Dy II	NG00
40	3678.504	Dy I	NG00
100	3679.15	Tc I	BMC67
80	3679.19	Ho I	MCS75
70	3679.21	Gd I	MCS75
15 d	3679.58	Kr I	KH69
80	3679.70	Ho I	MCS75
150	3679.9133	Fe I	NJLT94
25	3680.119	V I	DA78
40	3680.590	Mo I	WB88
60	3681.04	Rh I	MCS75
1000 s	3681.221	Bk II	WC78
200	3681.54	K II	D26
80	3682.08	W I	MCS75
1000 P	3682.24	Hf I	MCS75
10	3682.2421	Ne I	SS04
250	3682.4863	Th I	PE83
80	3682.65	Ho I	MCS75
50	3682.701	Er II	M64b
10	3682.9727	Pt I	SRSA92
50	3683.118	V I	DA78
50	3683.30	W I	MCS75
400 P,r	3683.462	Pb I	WA68
25	3684.012	Er I	M64b
400 P	3684.13	Gd I	MCS75
30	3684.320	Li II	HM59
1000 l	3684.427	Bk I	WC78
500	3684.74	Tc I	BMC67
50	3684.850	Dy I	NG00
25	3685.16	Ho II	MCS75
250 P	3685.205	Ti II	HJLW82
10	3685.7352	Ne I	SS04
80	3685.777	Dy I	NG00
200	3685.80	Nd II	MCS75
4	3685.90	Xe I	HM33
25	3686.182	Kr II	HP70a
80	3686.33	Gd II	MCS75
700	3686.555	Cu II	R69
1000 l	3686.737	Bk I	WC78
6	3686.82	Cr I	K53
6	3687.25	Cr I	K53
20	3687.4152	Pt I	SRSA92
50	3687.4568	Fe I	NJLT94
40	3687.498	V I	DA78
400	3687.74	Gd II	MCS75
70	3688.06	W I	MCS75
110	3688.069	V I	DA78
110 P	3688.42	Eu II	MCS75
15 c	3689.50	Re I	MCS75
400	3689.79	Pm II	RCWM80
80	3689.914	Ti I	F91
80	3690.282	V I	DA78
200	3690.3368	Pd I	ELLW98
150	3690.6238	Th I	PE83
70	3690.65	Ho I	MCS75
200	3690.70	Rh I	MCS75

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
25 c	3691.48	Re I	MCS75
40	3691.95	Ho I	MCS75
120	3692.222	V I	DA78
1000 P	3692.36	Rh I	MCS75
300	3692.50	Pm II	RCWM80
15	3692.523	Y I	P77
300	3692.5664	Th I	PE83
700 P	3692.650	Er II	M64b
4	3693.49	Xe I	HM33
10	3693.671	Mn I	CMG64
250 P	3693.989	Sm II	K35
1000 P	3694.190	Yb II	M67
200	3694.213	Ne II	P71
200 P	3694.811	Dy II	NG00
50	3694.939	Mo I	WB88
40	3695.342	V I	DA78
1000	3695.368	Bk I	WC78
100	3695.52	Rh I	MCS75
80	3695.864	V I	DA78
200 s	3696.420	Am II	FT57
130	3696.51	Hf I	MCS75
300	3697.50	Pm II	RCWM80
25	3697.679	Er I	M64b
250	3697.73	Gd II	MCS75
90	3697.85	Nb I	MCS75
300	3698.1061	Th I	PE83
150	3698.165	Zr II	J98
40	3698.206	Dy II	NG00
30	3698.26	Rh I	MCS75
40	3698.60	Rh I	MCS75
1000 s	3699.49	Cf II	RCWM80
30 c	3699.58	Rb II	R75
150	3699.73	Gd II	MCS75
14	3699.9126	Pt I	SRSA92
50	3700.04	Ho I	MCS75
500 P	3700.26	Tm II	MCS75
4	3700.580	Yb I	MT78
50	3700.719	Er II	M64b
800 P	3700.91	Rh I	MCS75
40	3701.15	Hf II	MCS75
4	3701.2244	Ne I	SS04
400 P	3701.36	Tm II	MCS75
200	3701.5161	U II	SPMR72
30 c	3702.35	Ho II	MCS75
400	3702.63	Pm II	RCWM80
300	3702.74	Pa I	BW92b
800 P	3702.856	Tb II	B01
9	3703.24	Re I	MCS75
1000	3703.279	Bk I	WC78
300 P	3703.574	V I	DA78
70	3703.83	Tc I	BMC67
400 P	3703.930	Tb II	B01
1000 s	3704.015	Bk I	WC78
200	3704.526	F II	P69
150	3704.703	V I	DA78
3	3705.00	He I	M60a
50	3705.038	V I	DA78
120	3705.5659	Fe I	NJLT94
700 P	3706.026	Ca II	ER56
15	3706.5217	Pt I	SRSA92

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
600 P	3706.7672	Th I	PE83
50	3707.637	Er II	M64b
30	3707.9199	Fe I	NJLT94
90	3707.92	W I	MCS75
40	3708.4731	Pt II	SRSA92
200	3708.654	Sm II	K35
60	3709.2463	Fe I	NJLT94
130	3709.269	Zr II	J98
300	3709.285	Ce II	C73
1000	3709.426	Cm I	WHGC76
9	3709.622	Au I	ED71
150	3709.622	Ne II	P71
40	3709.76	Ho I	MCS75
300	3709.926	Ce II	C73
40	3709.957	Ti I	F91
1000 P	3710.287	Y II	NJK91
500	3711.07	Na II	W71
1000 s	3711.135	Bk II	WC78
70	3711.3041	Th II	PE83
20	3711.34	Nb I	MCS75
800	3711.72	Pm II	RCWM80
200 d	3711.768	Tb II	B01
80	3712.26	Tc I	BMC67
50	3712.391	Er II	M64b
300	3712.70	Gd II	MCS75
50	3712.88	Ho I	MCS75
1000	3712.929	Bk I	WC78
200	3713.01	Nb I	MCS75
100	3713.02	Rh I	MCS75
250	3713.079	Ne II	P71
110	3713.5546	U I	SPMR72
400 P	3713.57	Gd I	MCS75
50	3713.982	Pb II	WRSH74
60	3714.05	Pr II	MCS75
120 d	3714.73	Nd II	MCS75
20 w	3716.14	In II	PC38
150	3716.36	Gd II	MCS75
400	3716.364	Ce II	C73
30	3716.99	Nb I	MCS75
40	3716.998	Ru I	K59
60	3717.391	Ti I	F91
400 P	3717.48	Gd I	MCS75
500	3717.80	Hf I	MCS75
800 P	3717.914	Tm I	SMC73
100 h	3718.02	Kr II	DHM33
12	3718.206	Ar II	N73
70	3718.595	Kr II	HP70a
800 P	3718.86	Tc I	BMC67
200	3718.877	Sm II	K35
80	3719.28	Hf II	MCS75
25	3719.351	Er I	M64b
1000 P	3719.4347	Th I	PE83
200*	3719.45	Gd II	MCS75
200*	3719.53	Gd II	MCS75
600 P	3719.9348	Fe I	NJLT94
800	3720.243	Pu I	BFG84
1000	3720.243	Pu II	BFG84
100 l	3720.56	Es II	WLGC74
50	3720.72	Ho I	MCS75
50	3721.350	Kr II	HP70a

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
200	3721.8254	Th II	PE83
200	3721.847	Sm II	K35
1000 P,l	3722.11	Cf II	RCWM80
150	3722.5630	Fe I	NJLT94
40	3722.570	Ti I	F91
140	3723.50	Nd II	MCS75
120	3723.67	Tc I	BMC67
150	3724.40	Tc I	BMC67
70	3724.445	Dy II	NG00
80	3724.569	Ti I	F91
300 P,c,w	3724.94	Eu II	MCS75
100	3725.06	Tm II	MCS75
1000	3725.385	Bk I	WC78
70 P	3725.76	Re I	MCS75
150	3726.01	Pm I	RD67
50	3726.096	Ru I	K59
150	3726.24	Nb I	MCS75
400	3726.35	Tc I	BMC67
800 P	3726.926	Ru I	K59
250	3727.107	Ne II	P71
250	3727.320	O II	MKM93
50	3727.6189	Fe I	NJLT94
15	3727.679	Mo I	WB88
200	3727.9027	Th I	PE83
20	3727.996	Dy I	NG00
1000 P	3728.026	Ru I	K59
130	3728.13	Nd II	MCS75
250	3728.414	Ce II	C73
400	3728.469	Sm II	K35
1000 P,l	3728.55	Es II	WLGC74
1000	3729.004	Cm I	WHGC76
25	3729.309	Ar II	N73
120	3729.524	Er II	M64b
400	3729.806	Ti I	F91
600 P	3730.432	Ru I	K59
6	3730.805	Cr I	K53
150	3730.84	Gd II	MCS75
500	3731.258	Sm II	K35
30 P	3731.36	Ir II	MCS75
120	3731.40	Ho I	MCS75
8	3732.03	Cr I	K53
40	3732.09	Ho I	MCS75
1000	3732.351	Cm I	WHGC76
11	3732.709	Mo I	WB88
1	3732.86	He I	M60a
120	3733.3176	Fe I	NJLT94
200	3733.79	Hf I	MCS75
250	3734.12	Tm II	MCS75
10	3734.694	Yb I	MT78
700 P	3734.8638	Fe I	NJLT94
300	3735.024	Ga II	IL85
70	3735.28	Rh I	MCS75
15	3735.31	Re I	MCS75
200 d	3735.54	Nd II	MCS75
400	3735.980	Sm II	K35
90	3736.35	Ho I	MCS75
800 P	3736.901	Ca II	ER56
600 P	3737.1316	Fe I	NJLT94
200	3737.141	Sm II	K35
40	3737.27	Rh I	MCS75

Finding List—Continued

Intensity		Wavelength (Å)	Spectrum	Ref
15		3737.889	Ar II	N73
120		3738.0405	U II	SPMR72
200		3738.06	Nd II	MCS75
50		3738.162	Er II	M64b
15		3738.42	Nb I	MCS75
700*	P	3739.117	Sm II	K35
80		3739.18	Pr II	MCS75
700*	P	3739.197	Sm II	K35
60		3739.340	Dy I	NG00
1000		3739.35	Cf I	RCWM80
40		3739.470	Ru I	K59
100		3739.76	Gd I	MCS75
150	P	3739.80	Nb I	MCS75
1000		3739.916	Bk I	WC78
80	P	3739.935	Pb I	WA68
15		3740.10	Re I	MCS75
200		3740.714	Nb II	RCL00
400		3741.060	Ti I	F91
300	P	3741.1830	Th II	PE83
200		3741.288	Sm II	K35
6		3741.31	Eu II	MCS75
70		3741.638	Kr II	HP70a
30		3741.644	Ti II	HJLW82
15		3741.78	Nb I	MCS75
300		3742.287	Ru I	K59
110		3742.39	Nb I	MCS75
300		3742.52	Pm II	RCWM80
80		3742.640	Er II	M64b
80		3742.798	Ru I	K59
1000		3743.047	Bk I	WC78
40		3743.3621	Fe I	NJLT94
500	P	3743.47	Gd II	MCS75
25		3743.57	Cr I	K53
300		3743.868	Sm II	K35
30		3743.887	Cr I	K53
500	P	3744.064	Tm I	SMC73
40		3744.17	Rh I	MCS75
40		3744.396	Ru I	K59
50		3744.80	Kr II	DHM33
130		3744.83	Gd I	MCS75
1000		3745.403	Bk I	WC78
600*	P	3745.465	Sm I	K35
600	P	3745.5613	Fe I	NJLT94
250		3745.592	Ru I	K59
600*	P	3745.605	Sm II	K35
500		3745.86	Pm II	RCWM80
120		3745.8994	Fe I	NJLT94
100		3745.947	Zr II	J98
100		3746.15	Tc I	BMC67
140		3746.4190	U II	SPMR72
200		3746.80	Hf I	MCS75
500		3746.84	Tc I	BMC67
300		3747.09	Pm II	RCWM80
30		3747.20	Ir I	MCS75
60		3747.430	Er I	M64b
70		3747.5390	Th II	PE83
90		3747.551	Y II	NJK91
50		3747.813	Dy II	NG00
1000		3747.863	Cm I	WHGC76
200	P,c,w	3748.17	Ho II	MCS75

Finding List—Continued

Intensity		Wavelength (Å)	Spectrum	Ref
130		3748.22	Rh I	MCS75
300	P	3748.2622	Fe I	NJLT94
200		3748.6758	U II	SPMR72
15		3749.00	Cr I	K53
400	P	3749.4854	Fe I	NJLT94
300		3749.486	O II	MKM93
1000		3750.075	Bk I	WC78
500		3750.09	Pm II	RCWM80
200		3751.1746	U I	SPMR72
150		3751.590	Zr II	J98
150		3751.806	Tm I	SMC73
1000		3751.905	Bk I	WC78
100		3752.13	Tc I	BMC67
110		3752.49	Nd II	MCS75
130		3752.52	Os I	MCS75
150		3752.5689	Th II	PE83
300		3752.67	Pa I	BW92b
700	P	3752.858	Ti I	F91
60		3753.504	Dy II	NG00
70		3753.546	Ru I	K59
500	P	3753.628	Pu I	BFG84
80		3753.633	Ti I	F91
70		3753.65	Rn I	R33
60		3753.747	Dy II	NG00
25		3754.12	Rh I	MCS75
25		3754.245	Kr II	HP70a
40		3754.27	Rh I	MCS75
400		3754.37	Tc I	BMC67
200		3755.251	Tb II	B01
200		3755.276	Sm II	K35
50		3755.58	Rh I	MCS75
80		3755.937	Ru I	K59
500	P	3755.940	Pu I	BFG84
40		3756.050	Er I	M64b
500		3756.411	Sm I	K35
150	s	3756.67	Ac II	MFT57
80		3757.049	Dy I	NG00
200	P	3757.367	Dy II	NG00
300		3757.529	Sm II	K35
12		3757.659	Cr I	K53
250		3757.6941	Th I	PE83
90		3757.82	Nd II	MCS75
1000		3757.851	Bk I	WC78
60		3757.92	W I	MCS75
200		3757.94	Gd I	MCS75
300	P	3758.2329	Fe I	NJLT94
150		3758.31	Gd II	MCS75
500	P	3758.338	Pu I	BFG84
150		3758.3480	U I	SPMR72
100		3758.54	Tc I	BMC67
150		3758.95	Nd II	MCS75
90		3759.00	Gd II	MCS75
250	P	3759.08	La II	MCS75
300	P	3759.300	Ti II	HJLW82
110		3759.838	Ru I	K59
30		3760.019	Ru I	K59
40		3760.0498	Fe I	NJLT94
80		3760.13	W I	MCS75
110		3760.40	Rh I	MCS75
500		3760.694	Sm II	K35

Finding List—Continued

Intensity		Wavelength (Å)	Spectrum	Ref
70		3760.71	Gd II	MCS75
4		3761.12	Eu II	MCS75
30		3761.1616	Pt II	SRSA92
250	P	3761.326	Ti II	HJLW82
700	P	3761.33	Tm II	MCS75
50		3761.511	Ru I	K59
200		3761.81	Tc I	BMC67
130		3761.87	Pr II	MCS75
500	P	3761.91	Tm II	MCS75
200		3762.20	Gd I	MCS75
1000		3763.045	Cm I	WHGC76
100		3763.2643	U I	SPMR72
150		3763.47	Nd II	MCS75
30		3763.49	Nb I	MCS75
150		3763.7891	Fe I	NJLT94
200		3764.115	Ce II	C73
250		3764.370	Sm II	K35
140		3764.389	Zr I	J98
250		3765.08	Rh I	MCS75
20		3765.08	Nb I	MCS75
300	P	3765.136	Tb II	B01
200		3765.2401	Th I	PE83
50		3765.270	Ar II	N73
40		3765.5388	Fe I	NJLT94
15		3766.119	Ar II	N73
800	P	3766.259	Ne II	P71
140		3766.714	Zr I	J98
130		3766.8864	U I	SPMR72
100		3767.04	Gd II	MCS75
60		3767.1919	Fe I	NJLT94
50		3767.353	Ru I	K59
40		3767.625	Dy I	NG00
13		3768.237	Cr I	K53
1000	P	3768.39	Gd II	MCS75
120		3768.45	W I	MCS75
500		3768.77	Tc I	BMC67
40		3769.09	Ho I	MCS75
70		3769.45	Gd II	MCS75
90		3769.65	Nd II	MCS75
50		3769.97	Rh I	MCS75
300		3770.0560	Th I	PE83
30		3770.095	Yb I	MT78
1		3770.369	Ar I	N73
12		3770.445	Mo I	WB88
7		3770.520	Ar II	N73
150		3770.69	Gd II	MCS75
300		3771.03	Tc I	BMC67
1000	s	3771.060	Bk II	WC78
20		3771.106	Dy I	NG00
80		3771.651	Ti I	F91
30		3771.85	Nb I	MCS75
40		3773.051	Dy I	NG00
250*	d	3773.331	Sm I	K35
250*	d	3773.422	Sm II	K35
150		3773.4339	U I	SPMR72
4		3774.323	Yb I	MT78
800	P	3774.330	Y II	NJK91
500	P	3774.384	Pu I	BFG84
25		3774.714	Dy I	NG00
250		3775.50	Nd II	MCS75

Finding List—Continued

Intensity		Wavelength (Å)	Spectrum	Ref
70		3775.571	Ni I	LBT93
600	P,c,w	3775.72	Tl I	MCS75
1000		3775.751	Cm I	WHGC76
140		3776.2711	Th I	PE83
400	P	3776.489	Tb II	B01
110		3776.556	Y II	NJK91
1000	P	3777.133	Ne II	P71
1000	P,l	3777.504	Am II	FT57
140		3777.588	Ru I	K59
600		3777.64	Hf I	MCS75
150		3778.046	Kr II	HP70a
40		3778.13	Rh I	MCS75
250		3778.135	Sm II	K35
20		3778.675	V I	DA78
200		3779.37	Tc I	BMC67
130		3779.47	Nd II	MCS75
110		3780.40	Nd II	MCS75
200		3780.534	Zr I	J98
300	c	3780.68	Tc I	BMC67
120		3780.77	W I	MCS75
8		3780.840	Ar II	N73
50		3781.01	Nb I	MCS75
40		3781.171	Ru I	K59
90		3781.32	Nd II	MCS75
25		3781.467	Dy I	NG00
12		3781.592	Mo I	WB88
200		3781.616	Ce II	C73
70	P	3782.20	Os I	MCS75
110		3782.34	Gd II	MCS75
50		3782.749	Ru I	K59
400	P	3782.8407	U II	SPMR72
600	P	3783.05	Gd I	MCS75
150		3783.095	Kr II	HP70a
90		3783.530	Ni I	LBT93
400	P	3784.25	Nd II	MCS75
11	w	3785.44	Cs II	S81
600		3785.46	Hf I	MCS75
80		3785.6002	Th II	PE83
1000		3785.61	Cf I	RCWM80
110		3786.042	Ti I	F91
400		3786.065	Ru I	K59
150		3786.176	Dy II	NG00
250		3786.628	Ce II	C73
150		3786.836	Er II	M64b
110		3787.06	Nb I	MCS75
13		3787.52	Re I	MCS75
130		3787.56	Gd II	MCS75
50		3787.858	Er II	M64b
400		3788.125	Sm II	K35
1000		3788.205	Bk I	WC78
70		3788.438	Dy II	NG00
110		3788.47	Rh I	MCS75
600		3788.693	Y II	NJK91
1000	l	3789.04	Cf II	RCWM80
150		3789.1679	Th I	PE83
20		3790.14	Os I	MCS75
80		3790.15	Nb I	MCS75
10		3790.214	Mn I	CMG64
40		3790.325	V I	DA78
500		3790.521	Ru I	K59

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
400 P	3790.83	La II	MCS75
90	3791.17	Gd II	MCS75
200	3791.21	Nb I	MCS75
6	3791.384	Cr I	K53
150	3791.397	Zr I	J98
1000	3791.419	Bk I	WC78
50	3791.829	Er II	M64b
30	3791.870	Dy II	NG00
6	3792.142	Cr I	K53
140	3792.18	Rh I	MCS75
500	3792.220	Pu I	BFG84
700 P	3792.564	Bi II	DLW02
40	3792.794	Er I	M64b
1000 l	3792.99	Es	WLGC74
120	3793.1002	U II	SPMR72
400	3793.22	Rh I	MCS75
120	3793.2638	U I	SPMR72
80	3793.37	Hf II	MCS75
6	3793.872	Cr I	K53
400	3793.971	Sm II	K35
400 P	3794.78	La II	MCS75
90	3794.962	V I	DA78
40	3795.0022	Fe I	NJLT94
140	3795.3858	Th I	PE83
400	3795.66	Pm II	RCWM80
800 P	3795.75	Tm II	MCS75
9	3796.007	Au I	ED71
1000	3796.206	Bk I	WC78
600 P	3796.37	Gd II	MCS75
600 P,c	3796.75	Ho II	MZH78
40	3796.81	Rb II	R75
50	3797.058	Er II	M64b
7	3797.138	Cr I	K53
10	3797.714	Cr I	K53
400	3797.730	Sm II	K35
100	3797.77	Tc I	BMC67
70	3798.054	Ru I	K59
150	3798.12	Nb I	MCS75
1000 P	3798.252	Mo I	WB88
80	3798.541	Tm I	SMC73
1000	3798.629	Bk I	WC78
700 P	3798.899	Ru I	K59
13 c	3799.21	In II	PC38
500	3799.31	Rh I	MCS75
700 P	3799.353	Ru I	K59
500	3799.368	Pu I	BFG84
40	3799.5476	Fe I	NJLT94
70	3799.82	Ac II	MFT57
50	3799.907	V I	DA78
200	3800.12	Ir I	MCS75
130	3800.30	Pr II	MCS75
400 d	3800.38	Hf I	MCS75
200	3800.887	Sm II	K35
200 P	3801.011	Sn I	B64
13 d	3801.0723	Pt I	SRSA92
80	3801.29	Gd II	MCS75
15	3801.30	Nb I	MCS75
1000 P,l	3801.49	Es I	WLGC74
700 P	3801.520	Ce II	C73
10	3801.840	Mo I	WB88

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
30	3801.90	Rb II	R75
1000 s	3802.345	Bk I	WC78
1000	3802.470	Bk I	WC78
150	3802.92	Nb I	MCS75
1000 P	3803.0750	Th I	PE83
250	3803.086	Ce II	C73
8	3803.172	Ar II	N73
200	3803.47	Nd II	MCS75
50	3803.475	V I	DA78
40	3803.88	Nb I	MCS75
30	3804.74	Nb I	MCS75
25	3804.801	Cr I	K53
60	3804.84	Pr II	MCS75
25	3805.12	Cs II	S81
500 P	3805.36	Nd II	MCS75
80	3805.92	Rh I	MCS75
500	3805.923	Pu I	BFG84
25	3806.269	Dy II	NG00
120 P	3806.715	Mn I	CMG64
140	3806.76	Rh I	MCS75
90	3807.144	Ni I	LBT93
25	3807.502	V I	DA78
60	3807.719	Tm I	SMC73
300	3808.110	Ce II	C73
40	3808.517	V I	DA78
100	3808.77	Nd II	MCS75
120	3808.9207	U I	SPMR72
15	3809.456	Ar II	N73
25	3809.593	Mn I	CMG64
20	3809.596	V I	DA78
110	3810.330	Er I	M64b
40	3810.49	Nb I	MCS75
110	3810.49	Nd II	MCS75
600 P,c	3810.74	Ho II	MZH78
20	3810.941	Ag I	PZ01
30	3811.03	Nb I	MCS75
11	3811.33	Eu I	MCS75
500	3811.396	Pu I	BFG84
150	3811.78	Hf I	MCS75
80	3811.84	Pr II	MCS75
60	3811.86	Ho I	MCS75
600 P	3811.9911	U I	SPMR72
30	3812.272	Dy I	NG00
50	3812.739	Ru I	K59
60	3812.9646	Fe I	NJLT94
80	3813.0676	Th II	PE83
60 c	3813.25	Ho II	MCS75
15	3813.454	Be I	KM97
80	3813.485	V I	DA78
400	3813.97	Gd II	MCS75
1000 P	3814.42	Ra II	R34a
130	3814.73	Nd II	MCS75
50	3815.01	Rh I	MCS75
9	3815.438	Cr I	K53
30	3815.51	Nb I	MCS75
150	3815.8403	Fe I	NJLT94
250 h	3816.02	Pr II	MCS75
1000 P	3816.304	Cm I	WHGC76
80	3816.47	Rh I	MCS75
200	3816.56	K II	D26

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
90	3816.64	Gd II	MCS75
60	3816.762	Dy II	NG00
70	3817.293	Ru I	K59
60	3817.39	Tm II	MCS75
150	3817.48	W I	MCS75
250	3817.50	K II	D26
140	3818.19	Rh I	MCS75
110	3818.240	V I	DA78
130	3818.28	Pr II	MCS75
100	3818.341	Y II	NJK91
100	3818.427	Ne II	P71
250	3818.6874	Pt I	SRSA92
70	3819.039	Ru I	K59
9	3819.57	Cr I	K53
10	3819.607	He I	M60a
600 P,c,w	3819.67	Eu II	MCS75
1	3819.76	He I	M60a
20	3819.960	V I	DA78
500 P	3820.4253	Fe I	NJLT94
300	3820.53	Pm II	RCWM80
600	3820.73	Hf I	MCS75
20	3821.483	V I	DA78
60	3821.80	Pr II	MCS75
50	3822.002	V I	DA78
60	3822.091	Ru I	K59
400	3822.26	Rh I	MCS75
150	3822.413	Zr I	J98
40	3822.886	V I	DA78
1000 s	3823.098	Bk II	WC78
25	3823.209	V I	DA78
80	3823.508	Mn I	CMG64
14	3823.891	Mn I	CMG64
1000 s	3824.083	Bk II	WC78
250	3824.4436	Fe I	NJLT94
40	3824.88	Nb I	MCS75
50	3824.938	Ru I	K59
130	3825.1331	Th I	PE83
1000	3825.138	Cm I	WHGC76
1000	3825.190	Bk I	WC78
30	3825.682	Dy II	NG00
1000 s	3825.844	Bk II	WC78
150	3825.8811	Fe I	NJLT94
400	3826.202	Sm II	K35
30	3826.386	Tm I	SMC73
200	3826.42	Nd II	MCS75
6	3826.427	Cr I	K53
150	3826.5084	U II	SPMR72
11	3826.66	Rb II	R75
20	3826.694	Mo I	WB88
120	3827.8225	Fe I	NJLT94
800 P	3828.3846	Th I	PE83
250	3828.48	Rh I	MCS75
140	3828.555	V I	DA78
100	3828.85	Nd II	MCS75
30	3828.876	Mo I	WB88
40	3829.27	Ho I	MCS75
25 P	3829.355	Mg I	KM91a
120	3829.749	Ne II	P71
130	3830.02	Hf I	MCS75
500 P	3830.261	Tb I	B01

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
90	3830.47	Nd II	MCS75
300 P	3830.482	Er II	M64b
200	3830.72	Pr II	MCS75
400 P	3831.4593	U II	SPMR72
250	3831.501	Sm II	K35
1000 l	3831.565	Bk II	WC78
70	3831.795	Ru I	K59
50 P	3832.300	Mg I	KM91a
60	3832.82	Tc I	BMC67
300 P	3832.889	Y II	NJK91
1000	3833.315	Cm I	WHGC76
25	3833.348	Cl II	RK74
1000 s	3833.480	Bk I	WC78
90	3833.74	Ta II	MCS75
60	3833.747	Mo I	WB88
20	3833.865	Mn I	CMG64
200	3833.89	Rh I	MCS75
25	3834.216	V I	DA78
100	3834.2224	Fe I	NJLT94
50	3834.368	Mn I	CMG64
400	3834.476	Sm I	K35
14 c	3834.65	In II	PC38
130	3835.06	W I	MCS75
20	3835.18	Nb I	MCS75
25 c	3835.35	Ho II	MCS75
5	3835.384	H I	RCWM80
500	3835.520	Pu I	BFG84
600 P	3835.962	Zr I	J98
1000 s	3835.967	Bk II	WC78
100	3836.504	Dy II	NG00
140	3836.54	Nd II	MCS75
120	3836.5851	Th I	PE83
250 P	3836.761	Zr II	J98
110	3836.91	Gd II	MCS75
80 c,w	3837.51	Ho II	MCS75
150	3837.56	Tc I	BMC67
1000	3837.593	Cm I	WHGC76
150	3838.20	Tm II	MCS75
80 P	3838.292	Mg I	KM91a
300	3838.535	Ce II	C73
300	3838.98	Nd II	MCS75
400 P	3839.6255	U I	SPMR72
110	3839.64	Gd II	MCS75
80	3839.699	Ru I	K59
200	3839.7475	Th II	PE83
13	3839.779	Mn I	CMG64
9	3839.907	Yb I	MT78
50	3840.429	V I	DA78
50	3840.4375	Fe I	NJLT94
9 h	3840.750	Ag I	PZ01
200	3840.750	V I	DA78
30	3840.869	Tm I	SMC73
25	3840.890	Dy I	NG00
90	3840.99	Pr II	MCS75
80	3841.0481	Fe I	NJLT94
25	3841.074	Mn I	CMG64
400 P	3841.18	Lu I	MCS75
20	3841.28	Cr I	K53
60	3841.307	Dy II	NG00
80	3841.31	Tc I	BMC67

Finding List—Continued

Intensity		Wavelength (Å)	Spectrum	Ref
70		3841.9601	Th II	PE83
1000		3842.000	Cm I	WHGC76
25	c	3842.05	Ho II	MCS75
11	c	3842.18	In II	PC38
1000		3842.185	Bk I	WC78
140		3842.20	Gd II	MCS75
150	d	3842.471	Tb II	B01
300		3842.98	Pm II	RCWM80
100		3843.018	Zr II	J98
300		3843.28	Gd I	MCS75
400		3843.500	Sm II	K35
70		3843.86	Ho II	MCS75
13		3843.988	Mn I	CMG64
20		3844.361	Dy I	NG00
30		3844.434	V I	DA78
150		3844.58	Gd II	MCS75
15		3845.367	Cl II	RK74
300		3845.469	Co I	PT96
20		3845.651	Cl II	RK74
80		3845.97	Tc I	BMC67
80		3846.22	W I	MCS75
110		3846.59	Pr II	MCS75
1000	l	3846.618	Bk I	WC78
40		3846.672	Ru I	K59
30	c	3846.73	Ho II	MCS75
150		3846.8876	Th I	PE83
150		3847.008	Zr I	J98
25		3847.019	Dy I	NG00
250	P	3847.086	F II	P69
13		3847.246	Mo I	WB88
25		3847.326	V I	DA78
1000		3847.626	Bk I	WC78
1000	P	3848.02	Tm II	MCS75
300*	d	3848.24	Nd II	MCS75
300*	d	3848.31	Nd II	MCS75
300		3848.52	Nd II	MCS75
250		3848.595	Ce II	C73
600	P	3848.740	Tb II	B01
10		3848.983	Cr I	K53
200		3849.02	La II	MCS75
400		3849.18	Hf I	MCS75
150		3849.250	Zr I	J98
7		3849.35	Cr I	K53
30		3849.88	Ho I	MCS75
40		3849.914	Er I	M64b
1000		3849.924	Cm I	WHGC76
250	P	3849.985	F II	P69
14		3850.029	Cr I	K53
70		3850.441	Ru I	K59
25		3850.581	Ar II	N73
400		3850.69	Gd II	MCS75
250		3850.79	Pr II	MCS75
600	P	3850.97	Gd II	MCS75
60	P	3850.991	Cl II	RK74
500	P	3851.007	Pu I	BFG84
40	P	3851.373	Cl II	RK74
140	c	3851.55	Pr II	MCS75
400*	P,d	3851.66	Nd II	MCS75
250	P	3851.668	F II	P69
400*	P,d	3851.74	Nd II	MCS75

Finding List—Continued

Intensity		Wavelength (Å)	Spectrum	Ref
400		3851.849	Pu I	BFG84
140		3852.1353	Th I	PE83
7		3852.221	Cr I	K53
500	P	3852.45	Gd II	MCS75
200		3852.80	Pr II	MCS75
50		3853.026	Dy II	NG00
250		3853.148	Ce II	C73
300		3853.295	Sm I	K35
110	c	3854.07	Ho II	MCS75
1000		3854.106	Cm I	WHGC76
300		3854.187	Ce II	C73
600		3854.209	Sm II	K35
200		3854.2202	U I	PKE80
10		3854.229	Cr I	K53
300		3854.320	Ce II	C73
90		3854.5108	Th II	PE83
300		3854.556	Sm I	K35
500	P	3854.6448	U II	PKE80
1000		3855.030	Bk I	WC78
200		3855.301	Ce II	C73
100		3855.363	V I	DA78
7		3855.58	Cr I	K53
250	P	3855.845	V I	DA78
50		3855.898	Er I	M64b
200		3855.901	Sm II	K35
100	P,h	3856.017	Si II	S61b
250		3856.3716	Fe I	NJLT94
40		3856.458	Ru I	K59
600		3856.52	Rh I	MCS75
25	c,w	3856.94	Ho II	MCS75
120		3857.551	Ru I	K59
13		3857.63	Cr I	K53
40		3857.72	Ho II	MCS75
150		3858.297	Ni I	LBT93
250		3858.31	Hf I	MCS75
50		3858.392	Er II	M64b
25		3858.402	Dy I	NG00
250		3858.737	Sm I	K35
20		3858.95	Nb I	MCS75
1000	P	3859.5716	U II	PKE80
1000	l	3859.888	Bk II	WC78
500	P	3859.9114	Fe I	NJLT94
140	P	3860.83	Cl II	RK74
100		3860.91	Hf I	MCS75
25		3860.985	Cl II	RK74
150	c	3861.68	Ho II	MCS75
40	h	3862.595	Si II	S61b
60		3862.62	Ho I	MCS75
60		3862.690	Ru I	K59
500	P	3862.851	Er I	M64b
700	P,s	3863.12	Ac II	MFT57
700*	P,d	3863.33	Nd II	MCS75
20		3863.38	Nb I	MCS75
700*	P,d	3863.40	Nd II	MCS75
110		3863.4059	Th II	PE83
800	P	3863.872	Zr I	J98
300		3864.025	Bi II	DLW02
1000	P	3864.104	Mo I	WB88
200		3864.332	Zr I	J98
110		3864.856	V I	DA78

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
90 c	3865.45	Pr II	MCS75
15	3865.57	Eu I	MCS75
400 P	3865.9176	U II	PKE80
30	3866.439	Ti I	F91
300	3866.99	Gd I	MCS75
20	3867.601	V I	DA78
120	3867.844	Ru I	K59
15	3867.92	Nb I	MCS75
200	3867.99	W I	MCS75
100	3868.24	Tc I	BMC67
15	3868.4209	Pt I	SRSA92
12	3868.528	Ar II	N73
100	3868.803	Dy I	NG00
150	3869.07	Nd II	MCS75
20	3869.082	Mo I	WB88
150	3869.6633	Th I	PE83
40	3869.861	Dy II	NG00
50	3870.01	Rh I	MCS75
500 P	3871.0353	U I	PKE80
400 P	3871.64	La II	MCS75
200	3871.778	Sm II	K35
300 P	3872.103	Dy II	NG00
20	3872.852	Yb I	MT78
250	3873.114	Co I	PT96
300	3873.35	Pa I	BW92b
130	3873.955	Co I	PT96
50	3873.986	Dy II	NG00
130	3874.0387	U II	PKE80
600 P,w	3874.172	Tb II	B01
40	3874.68	Ho II	MCS75
120	3875.071	V I	DA78
30	3875.257	Ti I	F91
400	3875.3731	Th I	PE83
50 h	3875.44	Kr II	DHM33
15	3875.7150	Pt I	SRSA92
40	3875.898	V I	DA78
50	3876.082	V I	DA78
30 c	3876.15	Cs I	S81
90	3876.19	Pr II	MCS75
25	3876.77	Os I	MCS75
200	3876.971	Ce II	C73
300 c	3877.18	Pr II	MCS75
40	3877.34	Rh I	MCS75
30	3877.56	Nb I	MCS75
300	3877.595	Zr I	J98
800	3877.62	Pm II	RCWM80
1000 l	3877.937	Bk II	WC78
130	3878.0847	U II	PKE80
300	3878.358	Ce II	C73
500 P	3878.540	Pu I	BFG84
150	3878.5732	Fe I	NJLT94
200	3878.58	Nd II	MCS75
50	3878.82	Nb I	MCS75
60	3879.048	Zr I	J98
200	3879.55	Nd II	MCS75
250	3879.6441	Th I	PE83
1000	3880.106	Bk I	WC78
140	3880.38	Nd II	MCS75
130	3880.47	Pr II	MCS75
140	3880.611	Er II	M64b

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
60 c	3880.72	Tc I	BMC67
200	3880.766	Sm II	K35
200	3880.78	Nd II	MCS75
40	3880.82	Hf II	MCS75
80	3881.41	W I	MCS75
200	3881.4546	U II	PKE80
30	3881.61	Ho II	MCS75
400	3882.447	Ce II	C73
1000 l	3882.602	Bk I	WC78
110	3882.886	Er II	M64b
60	3882.891	Ti I	F91
700 P	3883.132	Tm I	SMC73
40	3883.14	Nb I	MCS75
30	3883.289	Cr I	K53
200	3883.44	Tm II	MCS75
14	3884.75	Eu I	MCS75
80 c	3885.19	Pr II	MCS75
30	3885.24	Cr I	K53
900 P	3885.286	Sm II	K35
400	3885.422	Zr I	J98
70	3885.44	Nb I	MCS75
400 P	3885.56	Ac I	MFT57
40	3885.68	Nb I	MCS75
300 P	3886.2822	Fe I	NJLT94
200	3886.37	La II	MCS75
20	3886.80	Cr I	K53
20	3886.822	Mo I	WB88
150	3886.9159	Th I	PE83
500 P	3887.348	Tm I	SMC73
100	3887.87	Nd II	MCS75
30	3888.5134	Fe I	NJLT94
60 P	3888.6046	He I	M02
10 c	3888.61	Cs I	S81
200 P	3888.6456	He I	M02
300 P	3888.6489	He I	M02
200 P,c	3888.96	Ho II	MZH78
6	3889.049	H I	RCWM80
80 c	3889.34	Pr II	MCS75
250	3889.93	Nd II	MCS75
300	3889.984	Ce II	C73
60	3890.179	V I	DA78
800 P	3890.316	Zr I	J98
400 P	3890.3615	U II	PKE80
60	3890.42	Ho I	MCS75
250	3890.58	Nd II	MCS75
250	3890.94	Nd II	MCS75
800 P,c	3890.94	Ho II	MZH78
40	3891.30	Nb I	MCS75
600 P	3891.380	Zr I	J98
110	3891.51	Nd II	MCS75
20 P	3891.779	Ba II	KL99
1000 P	3892.15	Pm II	RCWM80
60	3892.230	Ru I	K59
130	3892.6810	U II	PKE80
300 P	3892.684	Er I	M64b
40	3892.858	V I	DA78
1000 s	3893.23	Cf II	RCWM80
13	3894.039	Cr I	K53
400	3894.078	Co I	PT96
150	3894.1206	U I	PKE80

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
90	3894.1988	Pd I	ELLW98
1000 P,l	3894.547	Bk II	WC78
150	3894.63	Nd II	MCS75
150	3894.70	Gd II	MCS75
200	3895.113	Ce II	C73
600 P	3895.4192	Th I	PE83
80	3895.6565	Fe I	NJLT94
400	3895.888	Pu I	BFG84
500 P	3896.234	Er II	M64b
40	3896.617	Tm I	SMC73
30	3896.76	Ho II	MCS75
400	3896.977	Sm II	K35
30	3896.99	Cs II	S81
40	3897.865	Au I	ED71
250	3897.92	K II	D26
250 P	3898.528	Dy II	NG00
15 s	3898.7316	Pt I	SRSA92
200	3898.825	F II	P69
400 P	3899.197	Tb II	B01
120	3899.7075	Fe I	NJLT94
130	3899.7775	U II	PKE80
400	3899.78	Pm II	RCWM80
60	3899.83	Tc I	BMC67
300	3899.94	Hf I	MCS75
400 P	3900.21	Nd II	MCS75
1000	3900.253	Cm I	WHGC76
110	3900.512	Zr I	J98
40	3900.559	Ti II	HJLW82
400	3900.675	Al II	KM91b
30 s	3900.7228	Pt I	SRSA92
80	3900.79	Tm II	MCS75
20	3900.85	Yb I	MT78
25	3900.959	Ti I	F91
500 P	3901.325	Tb I	B01
13	3901.770	Mo I	WB88
250	3901.84	Nd II	MCS75
200	3901.933	F II	P69
200 P	3902.256	V I	DA78
90	3902.40	Gd II	MCS75
70	3902.756	Er II	M64b
20	3902.911	Cr I	K53
40	3902.9458	Fe I	NJLT94
700 P	3902.953	Mo I	WB88
200	3903.1024	Th I	PE83
300	3903.417	Sm II	K35
1000 P	3904.064	Cm II	WHGC76
12	3904.3823	Pt I	SRSA92
40	3904.44	Ho I	MCS75
300	3904.784	Ti I	F91
90	3905.404	Er I	M64b
200	3905.523	Si I	RA65
90	3905.65	Gd I	MCS75
80 c,w	3905.68	Ho II	MCS75
300	3905.89	Nd II	MCS75
1000 P,s	3906.094	Bk II	WC78
50	3906.177	Kr II	HP70a
1000 P	3906.311	Er II	M64b
120	3906.4530	U I	PKE80
500 P,c,w	3907.10	Eu II	MCS75
200	3907.286	Ce II	C73

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
900 P	3907.484	Sc I	AV77
90	3907.84	Nd II	MCS75
30 l	3907.91	Xe II	H39
150 c	3908.05	Pr II	MCS75
1000 P	3908.238	Cm II	WHGC76
50	3908.762	Cr I	K53
70	3909.085	Ru I	K59
25	3909.383	Au I	ED71
60	3909.888	V I	DA78
1000 P	3910.26	Pm II	RCWM80
13	3910.8955	Pt I	SRSA92
400 P	3911.16	Nd II	MCS75
8	3911.272	Yb I	MT78
40	3911.80	Ho I	MCS75
1000 P	3911.812	Sc I	AV77
140	3911.9091	Th I	PE83
400 P	3911.957	O II	MKM93
150	3912.23	Nd II	MCS75
300	3912.426	Ce II	C73
120	3912.90	Pr II	MCS75
40	3913.477	Ti II	HJLW82
60	3913.55	Pr II	MCS75
60	3914.334	Ti I	F91
500	3914.38	Br II	RR44
40	3914.70	Nb I	MCS75
110	3915.95	Nd II	MCS75
140	3916.05	La II	MCS75
10	3916.25	Cr I	K53
1000 l	3916.365	Bk II	WC78
400 P	3916.477	Tm I	SMC73
250 P	3916.51	Gd II	MCS75
30	3917.286	Dy I	NG00
20	3917.29	Eu I	MCS75
70	3918.09	Hf II	MCS75
200	3918.269	Ce II	C73
250 c	3918.85	Pr II	MCS75
300 P	3918.978	C II	MG93
200	3919.0234	Th I	PE83
1000 P	3919.10	Pm II	RCWM80
90	3919.165	Cr I	K53
40	3919.45	Ho I	MCS75
80	3919.63	Pr II	MCS75
70	3920.081	Kr II	HP70a
30	3920.20	Nb I	MCS75
60	3920.2581	Fe I	NJLT94
400 P	3920.693	C II	MG93
200	3920.96	Nd II	MCS75
30	3921.031	Cr I	K53
1000	3921.415	Bk I	WC78
40	3921.422	Ti I	F91
120	3921.54	La II	MCS75
150	3921.788	Zr I	J98
25	3922.19	Rh I	MCS75
600 P	3922.397	Sm II	K35
20	3922.431	V I	DA78
120	3922.9119	Fe I	NJLT94
60 c	3922.9559	Pt I	SRSA92
140	3923.486	Ru I	K59
140	3924.526	Ti I	F91
20	3924.651	V I	DA78

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
250	3925.0934	Th I	PE83
15	3925.3359	Pt I	SRSA92
200	3925.47	Pr II	MCS75
12	3925.719	Ar II	N73
300	3925.930	Ru I	K59
100	3926.2078	U I	PKE80
1000 P,l	3926.248	Am II	FT57
30 l	3926.44	Rb II	R75
100	3926.7153	U I	PKE80
90	3927.10	Nd II	MCS75
90	3927.46	Pr II	MCS75
200	3927.56	La I	MCS75
25	3927.860	Dy I	NG00
120	3927.9199	Fe I	NJLT94
1000 l	3928.045	Bk II	WC78
500	3928.279	Sm II	K35
15	3928.623	Ar II	N73
30	3928.647	Cr I	K53
250	3929.22	La II	MCS75
70	3929.29	Pr II	MCS75
300	3929.529	Zr I	J98
60	3929.58	Tm II	MCS75
140	3929.6693	Th II	PE83
10	3929.85	Re I	MCS75
110	3929.874	Ti I	F91
20	3930.022	V I	DA78
30	3930.147	Dy I	NG00
200	3930.2966	Fe I	NJLT94
500 P,c,w	3930.48	Eu II	MCS75
300	3930.77	Es I	WLGC74
200	3931.082	Ce II	C73
150	3931.38	Hf I	MCS75
90	3931.526	Dy II	NG00
50	3931.787	Ru I	K59
300	3931.83	Pa I	BW92b
400 P	3932.0221	U II	PKE80
70	3932.254	Er II	M64b
8	3932.547	Ar II	N73
300	3932.9113	Th I	PE83
200 P	3933.375	Sc I	AV77
1000 P	3933.6614	Ca II	L99
20	3934.010	V I	DA78
200	3934.23	Rh I	MCS75
250*	3934.79	Gd I	MCS75
110	3934.82	Nd II	MCS75
250*	3934.82	Gd II	MCS75
70	3935.82	Pr II	MCS75
800 P	3936.48	Pm II	RCWM80
1000 P	3936.666	Cm I	WHGC76
25	3936.701	Dy I	NG00
250 P	3937.014	Er I	M64b
40	3937.44	Nb I	MCS75
200 P	3938.626	Er II	M64b
25	3938.85	Ho I	MCS75
90	3938.86	Nd II	MCS75
200	3940.326	Ce II	C73
300 P	3940.51	Rb II	R75
20	3941.499	Cr I	K53
400 P	3941.51	Nd II	MCS75
90	3941.80	Gd I	MCS75

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
300	3941.874	Sm II	K35
1000	3942.025	Cm I	WHGC76
600 P	3942.157	Ce II	C73
120	3942.63	Gd I	MCS75
60	3942.72	Rh I	MCS75
800 P	3942.746	Ce II	C73
30	3943.67	Nb I	MCS75
400 P	3943.8161	U I	PKE80
200	3943.881	Ce II	C73
500 P	3944.006	Al I	KM91b
1000	3944.146	Cm I	WHGC76
300	3944.21	Pm II	RCWM80
250 P	3944.420	Er I	M64b
500 P	3944.679	Dy II	NG00
300	3945.54	Gd I	MCS75
70	3945.586	Ru I	K59
25	3946.097	Ar II	N73
400 c	3946.57	Tc I	BMC67
200	3947.09	Tc I	BMC67
60	3947.29	O I	M75b
50	3947.48	O I	M75b
50	3947.59	O I	M75b
140 c	3947.63	Pr II	MCS75
140	3947.769	Ti I	F91
40	3948.062	Er I	M64b
200	3948.113	Sm II	K35
9	3948.3881	Pt I	SRSA92
600 P	3948.670	Ti I	F91
1000	3948.683	Cm I	WHGC76
1	3948.979	Ar I	N73
1000 P	3949.10	La II	MCS75
150	3949.270	Tm I	SMC73
150 c	3949.43	Pr II	MCS75
40	3950.230	Ru I	K59
300	3950.349	Y II	NJK91
25	3950.56	Ho I	MCS75
400 P	3951.16	Nd II	MCS75
200	3951.83	Hf I	MCS75
300	3951.887	Sm I	K35
150	3952.20	Nd II	MCS75
900 P	3952.545	Ce II	C73
200 l	3952.576	Am II	FT57
300 s	3952.62	Pa II	BW92b
1000	3953.362	Cm I	WHGC76
120	3953.37	Gd I	MCS75
150 c	3953.51	Pr II	MCS75
70	3955.73	Ho I	MCS75
20	3955.85	N II	M75a
300	3956.275	Ce II	C73
600 P	3956.334	Ti I	F91
25	3956.416	Er I	M64b
70	3956.75	Pr II	MCS75
140	3957.67	Gd II	MCS75
1000 P	3957.74	Pm II	RCWM80
40	3957.791	Dy II	NG00
1000 P,l	3957.85	Pa II	BW92b
110	3958.00	Nd II	MCS75
150	3958.10	Tm II	MCS75
700 P	3958.201	Ti I	F91
150	3958.220	Zr II	J98

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
400	3958.86	Rh I	MCS75
200	3959.3000	Th I	PE83
500 P	3959.44	Pr I	MCS75
90*	3959.44	Gd II	MCS75
40	3959.51	Cs II	S81
90*	3959.52	Gd II	MCS75
60	3959.68	Ho I	MCS75
200	3960.913	Ce II	C73
1000 P	3961.520	Al I	KM91b
90	3962.21	Nd II	MCS75
14 w	3962.35	In II	PC38
90	3962.45	Pr II	MCS75
25	3962.590	Dy I	NG00
120	3962.851	Ti I	F91
400*	3962.98	Sm II	RAVS90
400*	3963.03	Sm II	RAVS90
250	3963.12	Nd II	MCS75
30	3963.63	Os I	MCS75
90	3963.694	Cr I	K53
110	3964.2064	U I	PKE80
110	3964.26	Pr II	MCS75
120	3964.269	Ti I	F91
20	3964.729	He I	M60a
300 c	3964.81	Pr II	MCS75
1000	3964.827	Cm I	WHGC76
25	3965.20	Cs II	S81
60 d	3966.09	Nb I	MCS75
120	3966.28	Gd I	MCS75
100	3966.3570	Pt I	SRSA92
120	3966.5211	U II	SPMR72
110 c	3966.57	Pr II	MCS75
140	3966.659	Zr I	J98
200	3967.044	Ce II	C73
700 P	3967.3921	Th I	PE83
300	3968.256	Zr I	J98
70	3968.26	Gd II	MCS75
600 P	3968.384	Dy II	NG00
60	3968.46	Lu I	MCS75
1000 P	3968.4673	Ca II	L99
150	3969.00	Gd I	MCS75
80	3969.748	Cr I	K53
300 s	3970.07	Pa II	BW92b
8	3970.072	H I	RCWM80
200	3970.528	Sm II	K35
100	3971.16	Pr II	MCS75
400	3971.397	Sm II	K35
60	3971.67	Pr II	MCS75
500 P,c,w	3971.96	Eu II	MCS75
120 c	3972.14	Pr II	MCS75
300	3972.1545	Th I	PE83
80	3972.71	Gd I	MCS75
200 P	3973.036	Er I	M64b
400 P	3973.2562	O II	MKM93
200	3973.30	Nd II	MCS75
200	3973.502	Zr I	J98
250 P	3973.575	Er I	M64b
140	3973.69	Nd II	MCS75
70	3973.98	Gd II	MCS75
20	3974.25	Cs II	S81
400	3974.665	Sm I	K35

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
130	3974.719	Er II	M64b
60	3974.85	Pr II	MCS75
60	3975.294	Zr I	J98
40	3975.31	Rh I	MCS75
25	3975.88	Ho I	MCS75
250	3976.270	Sm II	K35
30	3976.31	Ir I	MCS75
250	3976.430	Sm II	K35
80	3976.674	Cr I	K53
400 P,d	3976.845	Tb II	B01
140	3976.85	Nd II	MCS75
40 c	3976.93	Ho I	MCS75
60	3977.019	Er I	M64b
25	3977.23	Os I	MCS75
11 c	3978.15	Rb II	R75
50	3978.449	Ru I	K59
120	3978.564	Dy II	NG00
250	3979.200	Sm II	K35
150	3979.33	Gd I	MCS75
7	3979.356	Ar II	N73
50	3979.420	Ru I	K59
140	3979.49	Nd II	MCS75
250	3980.0896	Th I	PE83
500	3980.38	Br II	K40
500	3980.74	Pm II	RCWM80
9 h	3981.580	Ag I	PZ01
600 P	3981.761	Ti I	F91
300	3981.82	Pa I	BW92b
300	3981.875	Tb II	B01
60	3981.926	Dy II	NG00
1000 P	3982.23	Pa I	BW92b
80	3982.331	Er I	M64b
70	3982.480	Ti I	F91
300 P	3982.592	Y II	NJK91
200	3982.7140	O II	MKM93
200	3983.138	Sm II	K35
70	3983.651	Dy II	NG00
50	3983.901	Cr I	K53
1000 P,c	3983.931	Hg II	SR01
40	3984.210	Dy II	NG00
10	3984.339	Cr I	K53
25	3984.40	Rh I	MCS75
200	3984.671	Ce II	C73
80	3984.862	Ru I	K59
500 P,c	3984.97	Tc I	BMC67
250	3985.7924	U II	PKE80
200	3986.682	Sm II	K35
300 P,l	3986.89	Np I	FTBC76
60	3987.655	Er I	M64b
100	3987.84	Gd I	MCS75
1000 P	3987.99	Yb I	MT78
500 P	3988.52	La II	MCS75
250 c	3989.68	Pr II	MCS75
700 P	3989.758	Ti I	F91
8	3989.984	Cr I	K53
400*	3990.002	Sm II	K35
400* P	3990.025	Sm I	K35
250	3990.10	Nd II	MCS75
40	3990.570	V I	DA78
50 P	3990.885	Yb I	MT78

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
50	3991.118	Cr I	K53
140	3991.127	Zr II	J98
8	3991.677	Cr I	K53
200	3991.7309	Th I	PE83
200	3991.74	Nd II	MCS75
70	3992.16	Pr II	MCS75
200	3992.381	Ce II	C73
70	3992.69	Gd I	MCS75
20	3992.802	V I	DA78
10	3992.846	Cr I	K53
200	3993.308	Sm II	K35
1000 P,l	3993.57	Cf II	RCWM80
250	3993.818	Ce II	C73
70	3994.16	Gd II	MCS75
100	3994.51	Tc I	BMC67
130	3994.5494	Th II	PE83
200	3994.68	Nd II	MCS75
300	3994.79	Pr II	MCS75
12	3994.792	Ar II	N73
30	3994.840	Kr II	HP70a
50 P	3995.00	N II	M75a
300	3995.05	Pm II	RCWM80
1000 P	3995.100	Cm I	WHGC76
300	3995.308	Co I	PT96
25	3995.61	Rh I	MCS75
400 P	3995.75	La II	MCS75
40	3996.15	Rh I	MCS75
80	3996.32	Gd II	MCS75
200	3996.52	Tm II	MCS75
11	3996.5674	Pt I	SRSA92
250 P	3996.601	Sc I	AV77
70	3996.688	Dy II	NG00
110 c	3997.04	Pr II	MCS75
30 h	3997.793	Kr II	HP70a
1000 P	3998.636	Ti I	F91
40	3998.726	V I	DA78
1000 P,r	3998.96	Pm II	RCWM80
140	3998.965	Zr II	J98
60	3999.12	Pr II	MCS75
800 P	3999.237	Ce II	C73
40	3999.58	Ho I	MCS75
120 c	4000.173	Pr II	G90
400 P	4000.449	Dy II	NG00
250	4001.24	K II	D26
8	4001.443	Cr I	K53
25	4003.39	Ho I	MCS75
250	4003.769	Ce II	C73
100	4004.02	Nd II	MCS75
140	4004.702	Pr II	G90
130	4005.2094	U I	PKE80
250	4005.232	Ce I	M75c
40	4005.2419	Fe I	NJLT94
300	4005.474	Tb II	B01
25	4005.837	Dy I	NG00
250 P	4006.52	Te II	HM64
60	4007.596	Zr I	J98
1000 P	4007.965	Er I	M64b
400	4008.2102	Th I	PE83
70	4008.33	Gd I	MCS75
400	4008.691	Pr II	G90

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
1000 P	4008.75	W I	MCS75
120	4008.927	Ti I	F91
400	4009.0573	Th I	PE83
1	4009.27	He I	M60a
25	4009.656	Ti I	F91
500	4009.96	Pm II	RCWM80
120	4010.601	Pr II	G90
50	4012.00	Tc I	BMC67
700 P	4012.25	Nd II	MCS75
800 P	4012.387	Ce II	C73
500 P	4012.4952	Th I	PE83
80	4012.533	Er I	M64b
100	4012.70	Nd II	MCS75
300 l	4012.96	Pa II	BW92b
60	4013.7145	Pt II	SRSA92
30	4013.822	Dy I	NG00
15	4013.857	Ar II	N73
250	4014.897	Ce II	C73
60	4015.22	W I	MCS75
250	4015.39	La I	MCS75
140	4015.391	Pr II	G90
1000	4016.17	Cm I	WHGC76
30	4017.22	Tc I	BMC67
90	4017.71	Gd I	MCS75
120	4017.7163	U II	PKE80
60	4018.106	Mn I	CMG64
300 s	4018.21	Pa II	BW92b
1000 P	4019.1289	Th II	PE83
12	4019.632	Pb I	WA68
10 s	4020.252	Am I	FT57
900 P	4020.387	Sc I	AV77
200 P	4020.512	Er I	M64b
100	4020.76	Tc I	BMC67
200	4020.87	Nd II	MCS75
120	4020.96	Pr II	MCS75
200	4021.34	Nd II	MCS75
30	4021.548	Er I	M64b
200	4021.78	Nd II	MCS75
140	4022.168	Ru I	K59
90	4022.712	Pr II	G90
200	4023.00	Nd II	MCS75
250	4023.14	Gd I	MCS75
200	4023.231	Sm II	K35
150	4023.35	Gd I	MCS75
900 P	4023.678	Sc I	AV77
25	4023.715	Dy I	NG00
50	4023.832	Ru I	K59
110	4023.977	Zr I	J98
20	4024.230	Tm I	SMC73
250	4024.487	Ce II	C73
150	4024.571	Ti I	F91
250 P	4024.726	F II	P69
200	4024.912	Zr I	J98
200 P	4025.010	F II	P69
250 P	4025.491	F II	P69
70	4025.54	Pr II	MCS75
50	4026.191	He I	M60a
5	4026.36	He I	M60a
250	4027.0091	Th I	PE83
300	4027.201	Zr I	J98

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
40	4027.21	Ho I	MCS75
250	4028.15	Gd I	MCS75
250	4028.404	Ce II	C73
30	4028.86	Ho I	MCS75
70	4028.947	Zr I	J98
20	4029.49	Rb II	R75
70	4029.675	Zr II	J98
70 c	4029.72	Pr II	MCS75
140	4030.032	Zr I	J98
300	4030.16	Pa II	BW92b
20	4030.38	Sr I	MCS75
25 h	4030.511	Ti I	F91
10	4030.622	Sc I	AV77
1000 P	4030.755	Mn I	CMG64
400	4030.8424	Th I	PE83
200	4030.88	Gd I	MCS75
250	4031.332	Ce II	C73
1000 P,c	4031.63	Tc I	BMC67
300 P	4031.69	La II	MCS75
140 c	4031.753	Pr II	MCS75
1000	4031.76	Cm I	WHGC76
200	4031.82	Nd II	MCS75
300 P	4032.284	Tb I	B01
70	4032.52	Nb I	MCS75
500 P	4032.984	Ga I	ND82
400 P	4033.027	Tb II	B01
700 P	4033.068	Mn I	CMG64
150	4033.49	Gd I	MCS75
15	4033.809	Ar II	N73
200	4033.827	Pr II	G90
400 P	4034.485	Mn I	CMG64
200	4034.63	Ac I	MFT57
200	4035.110	Sm II	K35
70	4035.40	Gd I	MCS75
1000	4035.45	Cf I	RCWM80
7	4035.460	Ar II	N73
60	4035.729	Mn I	CMG64
10 s	4035.808	Am I	FT57
110	4035.887	Zr I	J98
400	4036.0479	Th I	PE83
100 s	4036.365	Am II	FT57
150	4037.33	Gd II	MCS75
30	4037.59	Xe II	H39
25	4037.62	Ho I	MCS75
80	4037.90	Gd II	MCS75
140	4038.455	Pr II	G90
10	4039.098	Cr I	K53
11	4039.19	Eu I	MCS75
50	4039.25	Tc I	BMC67
90	4039.341	Pr II	G90
90	4039.826	Y I	P77
80	4039.85	Cs II	S81
600 P	4040.752	Ce II	C73
600 P	4040.80	Nd II	MCS75
300 P	4040.81	Ho I	MZH78
40	4040.931	Au I	ED71
30	4041.31	N II	M75a
200 P	4041.357	Mn I	CMG64
70	4042.219	Zr I	J98
250	4042.578	Ce II	C73

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
200	4042.723	Sm II	K35
300 P	4042.7496	U I	PKE80
50	4042.894	Ar II	N73
200	4042.905	Sm II	K35
300 P	4042.91	La II	MCS75
150	4043.570	Zr I	J98
90	4043.71	Gd I	MCS75
10	4043.803	Sc I	AV77
700 P	4044.14	K I	R56
1	4044.418	Ar I	N73
40	4044.474	Tm I	SMC73
140	4044.560	Zr I	J98
250	4044.813	Pr II	G90
300	4045.01	Gd I	MCS75
300 P,c	4045.47	Ho II	MZH78
110	4045.59	W I	MCS75
70	4045.612	Zr II	J98
300 P	4045.8125	Fe I	NJLT94
800 P	4045.970	Dy I	NG00
200	4046.337	Ce II	C73
400 P	4046.563	Hg I	BAL50
300 s	4046.93	Pa II	BW92b
70	4046.955	Er I	M64b
70	4047.082	Pr II	G90
200	4047.160	Sm II	K35
700 P	4047.21	K I	R56
25 c	4047.52	Ho I	MCS75
130	4047.6117	U I	PKE80
250	4047.628	Y I	P77
120	4047.797	Sc I	AV77
90	4048.2876	Th I	PE83
1000	4048.29	Cm I	WHGC76
110	4048.666	Zr II	J98
40	4048.747	Mn I	CMG64
8	4048.784	Cr I	K53
500 c	4049.11	Tc I	BMC67
150	4049.43	Gd II	MCS75
1000	4049.65	Cm I	WHGC76
250 P	4049.86	Gd II	MCS75
300 P	4050.0412	U II	PKE80
60	4050.476	Zr I	J98
70	4050.566	Dy II	NG00
200	4050.8872	Th I	PE83
30	4050.955	V I	DA78
90	4051.13	Pr II	MCS75
150	4051.15	Nd II	MCS75
30	4051.347	V I	DA78
130	4051.402	Ru I	K59
300	4051.54	Pm II	RCWM80
4	4052.283	Yb I	MT78
30	4052.921	Ar II	N73
90	4053.29	Gd II	MCS75
200	4053.500	Ce II	C73
500 P	4053.64	Gd I	MCS75
900 P	4053.87	Ho I	MZH78
60	4054.050	Ru I	K59
90	4054.45	Lu I	MCS75
30	4054.48	Ho II	MCS75
250 P	4054.544	Sc I	AV77
150	4054.72	Gd I	MCS75

Finding List—Continued

Intensity		Wavelength (Å)	Spectrum	Ref
400		4054.860	Pr II	G90
40		4055.011	Ti I	F91
200		4055.027	Zr I	J98
600	r	4055.20	Pm II	RCWM80
90		4055.465	Er II	M64b
9	h	4055.476	Ag I	PZ01
70		4055.548	Mn I	CMG64
150		4055.704	Zr I	J98
300		4055.836	Ce I	M75c
9		4056.012	Mo I	WB88
1000	P,s	4056.20	Pa II	BW92b
400		4056.537	Pr II	G90
10		4056.593	Sc I	AV77
25	w	4056.94	In II	PC38
100		4057.037	Kr II	HP70a
25		4057.064	V I	DA78
70	l	4057.46	Xe II	H39
30		4057.55	Ho I	MCS75
1000	P	4057.807	Pb I	WA68
500	P	4058.22	Gd I	MCS75
90		4058.800	Pr II	G90
40		4058.936	Mn I	CMG64
1000	P,c	4058.94	Nb I	MCS75
250		4059.2529	Th I	PE83
40		4059.515	Er I	M64b
60		4059.779	Er II	M64b
140		4059.88	Gd I	MCS75
150		4059.96	Nd II	MCS75
50		4060.262	Ti I	F91
25		4060.31	Ho I	MCS75
300	P	4060.33	La I	MCS75
20		4060.79	Nb I	MCS75
900	P	4061.09	Nd II	MCS75
150		4061.40	Ta I	MCS75
90		4061.523	Zr I	J98
400	P	4061.558	Tb I	B01
150	s	4061.60	Ac II	MFT57
25		4061.737	Mn I	CMG64
50		4062.077	Mo I	WB88
15	P	4062.136	Pb I	WA68
200		4062.5440	U II	PKE80
70		4062.59	Gd II	MCS75
200		4062.64	Cu I	S48
700*	P	4062.804	Pr II	G90
700*	P	4062.806	Pr II	G90
100		4062.84	Hf I	MCS75
200		4063.10	Ac I	MFT57
200		4063.39	Gd II	MCS75
400		4063.4071	Th I	PE83
25		4063.530	Mn I	CMG64
150		4063.5942	Fe I	NJLT94
20		4063.928	V I	DA78
400		4064.151	Zr I	J98
25		4064.209	Ti I	F91
30		4064.456	Ru I	K59
300*		4064.55	Sm II	RAVS90
300*		4064.57	Sm II	RAVS90
60		4065.068	Au I	ED71
110		4065.09	Ho II	MCS75
25		4065.095	Ti I	F91

Finding List—Continued

Intensity		Wavelength (Å)	Spectrum	Ref
100		4065.128	Kr II	HP70a
30		4065.7046	Pt II	SRSA92
11		4065.9283	Pt I	SRSA92
30		4066.69	Os I	MCS75
200		4066.737	Sm II	K35
120		4067.91	Ta I	MCS75
80		4068.05	Ho I	MCS75
110		4068.35	Gd I	MCS75
70		4068.367	Ru I	K59
20		4068.78	Cs II	S81
70		4069.2014	Th II	PE83
200		4069.28	Nd II	MCS75
150		4069.4612	Th I	PE83
80	P	4069.882	Mo I	WB88
80		4069.95	W I	MCS75
11		4070.280	Mn I	CMG64
90*		4070.29	Gd II	MCS75
90*		4070.39	Gd II	MCS75
1000	P,s	4070.40	Pa II	BW92b
20		4071.536	V I	DA78
120		4071.7380	Fe I	NJLT94
300		4071.773	Ce II	C73
30		4071.83	Ho I	MCS75
70		4072.005	Ar II	N73
250		4072.157	O II	MKM93
25		4072.385	Ar II	N73
600	P	4072.698	Zr I	J98
110		4073.119	Dy II	NG00
30		4073.13	Ho I	MCS75
70		4073.20	Gd II	MCS75
500		4073.475	Ce II	C73
30		4073.51	Ho I	MCS75
600	P	4074.36	W I	MCS75
90		4074.925	Zr I	J98
130		4075.12	Nd II	MCS75
90		4075.5030	Th I	PE83
400		4075.698	Ce II	C73
600	P	4075.84	Pm II	RCWM80
400		4075.844	Ce II	C73
200		4075.845	Sm II	K35
400	P	4075.862	O II	MKM93
60		4076.524	Zr I	J98
8		4076.628	Ar II	N73
90		4076.730	Ru I	K59
300	P	4077.35	La II	MCS75
900	P	4077.359	Y I	P77
1000	P	4077.71	Sr II	MCS75
30		4077.880	Er I	M64b
300	P	4077.965	Dy II	NG00
70		4078.305	Zr I	J98
150		4078.44	Gd II	MCS75
110		4078.470	Ti I	F91
600	P	4078.70	Gd I	MCS75
400	h	4079.072	Bi II	DLW02
25		4079.241	Mn I	CMG64
25		4079.415	Mn I	CMG64
12		4079.574	Ar II	N73
800	P	4079.73	Nb I	MCS75
100	c	4079.77	Pr II	MCS75
500		4080.599	Ru I	K59

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
100 c	4080.980	Pr II	G90
600 P	4081.209	Zr I	J98
200	4081.219	Ce II	C73
50	4081.243	Er II	M64b
200	4081.3678	Th I	PE83
40	4081.44	Mo I	MCS75
9 c	4081.4669	Pt I	SRSA92
150	4081.85	Pr II	MCS75
1000 s	4082.24	Es	WLGC74
8	4082.387	Ar II	N73
250 P	4082.387	Sc I	AV77
40	4082.455	Ti I	F91
60	4082.78	Rh I	MCS75
40	4082.945	Mn I	CMG64
250	4083.219	Ce II	C73
100	4083.341	Pr II	G90
40	4083.634	Mn I	CMG64
25	4083.67	Ho I	MCS75
110	4083.70	Gd I	MCS75
200	4083.705	Y I	P77
30 c	4083.88	Rb II	R75
30	4084.373	Mo I	WB88
15	4084.86	Nb I	MCS75
25	4085.336	Dy I	NG00
140	4085.4341	Th I	PE83
150	4085.56	Gd II	MCS75
500 P	4086.10	Pm II	RCWM80
150	4086.5205	Th II	PE83
600 P	4086.72	La II	MCS75
15	4087.150	Sc I	AV77
250 P	4087.632	Er I	M64b
150	4088.337	Kr II	HP70a
1000 P,s	4088.44	Ac II	MFT57
500	4088.71	Tc I	BMC67
120	4088.7264	Th I	PE83
1000 P,s	4089.291	Am II	FT57
250	4089.61	La I	MCS75
25	4089.68	Yb I	MT78
400 P	4090.1319	U II	PKE80
140	4090.41	Gd I	MCS75
90	4090.571	V I	DA78
13	4092.2522	Pt I	SRSA92
250	4092.266	Sm II	K35
150	4092.684	V I	DA78
250	4092.71	Gd I	MCS75
60 P	4093.16	Hf II	MCS75
1000 P	4094.187	Tm I	SMC73
150	4094.7470	Th II	PE83
70	4095.477	V I	DA78
700 P	4095.67	Tc I	BMC67
25	4096.100	Dy I	NG00
110	4096.820	Pr II	G90
80	4097.787	Ru I	K59
80	4098.099	Er I	M64b
70	4098.400	Pr II	G90
300 P	4098.61	Gd II	MCS75
80	4098.729	Kr II	HP70a
30 h	4098.89	Xe II	H39
1000	4099.12	Cf I	RCWM80
250	4099.784	V I	DA78

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
25	4100.22	Ho I	MCS75
140	4100.26	Gd I	MCS75
250	4100.3414	Th I	PE83
30	4100.40	Nb I	MCS75
600 P,c	4100.717	Pr II	G90
400 P	4100.92	Nb I	MCS75
15	4101.74	H I	RCWM80
900 P	4101.7504	In I	DMZ53
50	4102.151	V I	DA78
1000 P	4102.364	Y I	P77
120	4102.70	W I	MCS75
200	4103.074	F II	P69
150	4103.216	F II	P69
200 P	4103.305	Dy II	NG00
200	4103.508	F II	P69
200	4103.710	F II	P69
1000 P	4103.80	Ho I	MZH78
150	4103.870	F II	P69
50	4103.874	Dy I	NG00
50	4103.912	Ar II	N73
20 c	4104.28	Rb II	R75
20	4104.382	V I	DA78
20	4104.767	V I	DA78
250	4105.155	V I	DA78
1000 P	4105.841	Tm I	SMC73
6	4106.384	Y I	P77
30	4106.50	Ho I	MCS75
200*	4107.277	Sm II	K35
200*	4107.387	Sm II	K35
25	4107.462	Mo I	WB88
300 l	4107.59	Es	WLGC74
60	4108.394	Zr I	J98
200	4108.4198	Th II	PE83
300 P	4108.62	Ho I	MZH78
250	4109.08	Nd II	MCS75
30	4109.248	Kr II	HP70a
500 P	4109.46	Nd II	MCS75
200	4109.778	V I	DA78
50	4110.22	Tc I	BMC67
90	4110.48	Nd II	MCS75
70	4111.340	Dy II	NG00
700 P	4111.780	V I	DA78
30	4112.00	Ho I	MCS75
40	4112.02	Os I	MCS75
30	4112.708	Ti I	F91
150	4112.741	Ru I	K59
400 P	4112.7545	Th I	PE83
1000	4113.29	Cm I	WHGC76
20	4113.506	V I	DA78
150	4113.70	Na II	W71
500	4115.08	Tc I	BMC67
400 P	4115.180	V I	DA78
500 P	4115.7589	Th I	PE83
150	4116.0974	U II	PKE80
25	4116.361	Er I	M64b
150	4116.473	V I	DA78
250 P	4116.7137	Th II	PE83
30	4116.73	Ho I	MCS75
20	4116.90	Nb I	MCS75
300	4117.62	Pa I	BW92b

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
200	4118.141	Ce II	C73
300 c	4118.457	Pr II	G90
25	4118.546	Er I	M64b
500	4118.551	Sm II	K35
60	4118.6745	Pt I	SRSA92
130	4118.774	Co I	PT96
250	4119.215	O II	MKM93
30	4119.27	Tc I	BMC67
20	4119.446	V I	DA78
7 h	4119.464	Yb II	M67
20	4120.093	Mo I	WB88
150	4120.20	Ho I	MCS75
12	4120.82	He I	M60a
2	4120.99	He I	M60a
200	4121.318	Co I	PT96
120	4121.68	Rh I	MCS75
300	4121.933	B II	O70
500 P	4123.23	La II	MCS75
150	4123.503	V I	DA78
300 P	4123.81	Nb I	MCS75
300	4123.873	Ce II	C73
400	4124.22	Tc I	BMC67
400 P	4124.73	Lu I	MCS75
150	4125.65	Ho I	MCS75
7	4126.513	Cr I	K53
500 P	4127.16	Ho I	MZH78
300	4127.371	Ce II	C73
300	4127.4120	Th I	PE83
250 P	4128.064	V I	DA78
50 P,h	4128.067	Si II	S61b
50	4128.27	Tc I	BMC67
900 P	4128.299	Y I	P77
150	4128.87	Rh I	MCS75
40	4129.423	Dy II	NG00
40	4129.43	Nb I	MCS75
600 P,c,w	4129.70	Eu II	MCS75
1000	4129.71	Cm I	WHGC76
50	4129.93	Nb I	MCS75
20	4130.352	Dy I	NG00
250 P	4130.37	Gd II	MCS75
25 P	4130.649	Ba II	KL99
70	4130.771	Pr II	G90
70 P,h	4130.893	Si II	S61b
200	4131.0021	Th I	PE83
40	4131.504	Er I	M64b
100	4131.724	Ar II	N73
250 P	4131.989	V I	DA78
40	4132.0581	Fe I	NJLT94
130	4132.28	Gd II	MCS75
9	4132.427	Ba I	KL99
60 P,h	4132.498	Cl II	RK74
2*	4132.624	Li I	REB95
2*	4132.625	Li I	REB95
80	4132.7533	Th II	PE83
20 h	4132.984	Sc I	AV77
500	4133.005	Pu I	BFG84
800 P	4133.802	Ce II	C73
25	4133.850	Dy I	NG00
300	4134.0681	Th I	PE83
150	4134.16	Gd I	MCS75

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
200	4134.485	V I	DA78
30	4134.54	Ho I	MCS75
250	4134.72	K II	D26
200	4134.768	Cd II	SP49
200	4135.27	Rh I	MCS75
90	4135.33	Nd II	MCS75
90	4135.78	Os I	MCS75
20 c	4136.11	Rb II	R75
150	4136.22	Ho I	MCS75
30	4136.45	Re I	MCS75
140	4137.10	Nb I	MCS75
60	4137.46	W I	MCS75
600 P	4137.649	Ce II	C73
110	4138.334	Tm I	SMC73
30	4139.44	Nb I	MCS75
150	4139.71	Nb I	MCS75
40	4139.85	Tc I	BMC67
500	4140.041	Pu I	BFG84
25 h	4140.272	Sc I	AV77
10 s	4140.959	Am I	FT57
300 c	4141.224	Pr II	G90
25	4142.19	Ho I	MCS75
200	4142.397	Ce II	C73
800 P	4142.841	Y I	P77
50	4142.914	Er II	M64b
50	4143.100	Dy II	NG00
500 P	4143.112	Pr II	G90
20	4143.21	Nb I	MCS75
100	4143.55	Mo I	MCS75
3	4143.76	He I	M60a
80	4143.8682	Fe I	NJLT94
200	4144.160	Ru I	K59
13	4144.36	Re I	MCS75
200	4144.412	Tb II	B01
300	4144.95	Tc I	BMC67
200	4144.996	Ce II	C73
150	4145.08	Tc I	BMC67
80	4145.122	Kr II	HP70a
60	4145.737	Ru I	K59
60	4146.060	Dy I	NG00
1000 l	4147.134	Bk II	WC78
30	4148.97	Ho I	MCS75
25	4149.066	Yb I	MT78
250	4149.19	K II	D26
200 P	4149.198	Zr II	J98
200	4149.831	Sm II	K35
300	4149.895	Ce II	C73
110	4149.9870	Th II	PE83
50	4150.12	Nb I	MCS75
500	4151.091	Pu I	BFG84
500 P	4151.108	Er I	M64b
500	4151.443	Pu I	BFG84
400	4151.969	Ce II	C73
120	4151.97	La II	MCS75
300	4152.209	Sm II	K35
30	4152.341	Sc I	AV77
300 P	4152.58	Nb I	MCS75
60 c,w	4152.61	Ho II	MCS75
60	4152.640	Zr I	J98
50	4152.82	Pb II	WRSH74

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
200	4153.064	S II	KM93
300 P	4153.9710	U I	PKE80
60	4154.08	Lu I	MCS75
25	4154.37	Rh I	MCS75
10	4155.946	Li II	DM01
600 P	4156.08	Nd II	MCS75
12	4156.086	Ar II	N73
90	4156.26	Nd II	MCS75
120 P	4156.6483	U I	PKE80
70 l	4158.04	Xe II	H39
200	4158.5352	Th I	PE83
11	4158.590	Ar I	N73
70	4161.200	Zr II	J98
4	4161.80	Sr II	MCS75
250	4162.665	S II	KM93
900 P	4163.03	Ho I	MZH78
50	4163.47	Nb I	MCS75
7	4163.627	Cr I	K53
300 P	4163.66	Nb I	MCS75
300 c	4164.156	Pr II	G90
1	4164.180	Ar I	N73
50	4164.5491	Pt I	SRSA92
250 P	4164.66	Nb I	MCS75
50 h	4165.187	Sc I	AV77
400	4165.600	Ce II	C73
500	4165.61	Tc I	BMC67
250	4165.7661	Th I	PE83
3	4166.001	Ba II	KL99
110	4166.366	Zr I	J98
200	4166.881	Ce II	C73
2	4167.271	Mg I	KM91a
250	4167.513	Y I	P77
80	4167.514	Ru I	K59
400 P	4167.974	Dy I	NG00
4	4168.033	Pb I	WA68
200 P	4168.13	Nb I	MCS75
700 P,s	4168.40	Ac II	MFT57
200	4169.478	Sm II	K35
50	4169.68	Tc I	BMC67
500	4169.77	Te II	HM64
200	4170.27	Tc I	BMC67
500 P	4170.52	Po I	C66a
50	4171.17	W I	MCS75
300 P	4171.5886	U II	PKE80
120	4171.822	Pr II	G90
25	4171.931	Dy I	NG00
1000 P	4172.042	Ga I	JL67
140	4172.246	Pr II	G90
250	4172.53	Tc I	BMC67
300 P	4173.20	Ho I	MZH78
40	4173.23	Os I	MCS75
200	4174.133	Y I	P77
500 P	4174.34	Hf I	MCS75
7	4174.56	Yb I	MT78
8	4174.808	Cr I	K53
800	4175.28	Se II	G62
500 P	4175.54	Gd I	MCS75
150	4175.61	Nd II	MCS75
20	4175.63	Os I	MCS75
300 l	4176.18	Pa II	BW92b

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
50	4176.28	Tc I	BMC67
100 l	4176.94	Es I	WLGC74
400 P	4177.32	Nd II	MCS75
600 P	4177.528	Y II	NJK91
150	4178.0597	Th II	PE83
8	4179.27	Cr I	K53
12	4179.297	Ar II	N73
1000 P	4179.391	Pr II	G90
20	4179.408	V I	DA78
120	4179.59	Nd II	MCS75
1000 P	4179.98	Ac I	MFT57
300 h	4180.10	Xe II	H39
20	4180.809	Yb II	M67
1000 P	4180.90	Se II	G62
1	4181.884	Ar I	N73
10	4182.22	Eu I	MCS75
500 P	4183.12	Ac I	MFT57
60	4183.721	Dy I	NG00
300 P	4184.25	Gd II	MCS75
90	4184.25	Lu II	MCS75
20	4184.44	Nb I	MCS75
250	4185.449	O II	MKM93
15	4185.819	Mo I	WB88
50	4186.117	Ti I	F91
250	4186.24	K II	D26
40	4186.51	Tc I	BMC67
1000 P	4186.596	Ce II	C73
800 P	4186.821	Dy I	NG00
400 P	4187.32	La I	MCS75
200	4187.559	Zr I	J98
900 P	4187.615	Tm I	SMC73
200 s	4188.121	Am II	FT57
250	4188.128	Sm II	K35
90 P	4188.324	Mo I	WB88
500 P	4189.479	Pr II	G90
1000 P,s	4189.692	Bk II	WC78
400	4189.789	O II	MKM93
700	4190.082	As II	LA71
70	4190.697	Er I	M64b
3	4190.713	Ar I	N73
500 P	4190.78	Gd I	MCS75
80	4190.88	Nb I	MCS75
1	4191.029	Ar I	N73
90	4191.07	Gd II	MCS75
110 c	4191.605	Pr II	G90
150	4191.63	Gd I	MCS75
140 P	4191.640	Dy I	NG00
50	4192.07	Nb I	MCS75
25	4192.4231	Pt I	SRSA92
300	4192.92	Pm II	RCWM80
200	4193.0164	Th I	PE83
40	4193.08	Rb II	R75
150 h	4193.15	Xe II	H39
60	4194.35	Ho I	MCS75
400 P	4194.40	Ac I	MFT57
110	4194.760	Zr I	J98
110	4194.792	B II	O70
400 P	4194.846	Dy I	NG00
50	4195.09	Nb I	MCS75
80	4195.66	Nb I	MCS75

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
200	4196.330	Ce II	C73
40	4196.50	Rh I	MCS75
150	4196.55	La II	MCS75
1000 P,s	4197.441	Bk II	WC78
50	4197.572	Ru I	K59
50	4198.015	Dy I	NG00
6	4198.317	Ar I	N73
20	4198.51	Nb I	MCS75
250	4198.715	Ce II	C73
50	4198.864	Ru I	K59
700 P	4199.892	Ru I	K59
60	4199.92	Tm II	MCS75
11	4200.674	Ar I	N73
60	4201.17	Pr II	MCS75
40	4201.301	Dy I	NG00
150	4201.451	Zr I	J98
20	4201.52	Nb I	MCS75
11 P	4201.80	Rb I	RE80
30	4202.0293	Fe I	NJLT94
40	4202.240	Dy I	NG00
250*	4202.926	Ce II	C73
250*	4202.956	Ce II	C73
250	4203.051	Sm II	K35
600 P	4203.727	Tm I	SMC73
200	4203.749	Tb I	B01
70	4204.86	Gd II	MCS75
1000 P,c,w	4205.05	Eu II	MCS75
50	4205.31	Nb I	MCS75
120	4205.88	Ta I	MCS75
140	4206.020	Ru I	K59
1000 P	4206.481	Pu I	BFG84
500 P,c	4206.719	Pr II	G90
1000 P	4207.66	Cm II	WHGC76
500	4208.234	Pu I	BFG84
100	4208.315	Pr II	G90
100 h	4208.48	Xe II	H39
150	4208.8907	Th II	PE83
110	4208.980	Zr II	J98
30 h	4209.47	Xe II	H39
100 s	4209.69	Ac II	MFT57
20	4209.853	V I	DA78
200	4210.9232	Th I	PE83
8 h	4210.960	Ag I	PZ01
400	4211.14	Rh I	MCS75
30	4211.238	Dy I	NG00
1000 P	4211.62	Cm I	WHGC76
1000 P	4211.714	Dy I	NG00
40	4211.86	Os I	MCS75
60	4211.862	Pr II	G90
150	4212.00	Gd II	MCS75
500	4212.062	Ru I	K59
9	4212.814	Ag I	PZ01
100	4212.9537	Pd I	ELLW98
20	4213.14	Cs II	S81
110	4213.180	Dy I	NG00
100 h	4213.72	Xe II	H39
110	4213.863	Zr I	J98
70	4214.445	Ru I	K59
20	4214.73	Nb I	MCS75
110	4215.02	Gd II	MCS75

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
250 P	4215.159	Dy I	NG00
700 P	4215.52	Sr II	MCS75
6 P	4215.53	Rb I	RE80
30	4215.60	Xe II	H39
40	4216.1836	Fe I	NJLT94
70	4217.20	Gd II	MCS75
1000 P,l	4217.23	Pa II	BW92b
80	4217.263	Ru I	K59
15	4217.799	Y I	P77
60	4217.810	Pr II	G90
25	4217.94	Nb I	MCS75
300 P	4218.092	Dy I	NG00
100	4218.425	Er I	M64b
8 d	4218.565	Yb II	M67
8	4218.665	Ar II	N73
150	4219.745	Ne II	P71
90	4220.0651	Th I	PE83
30	4220.629	Y I	P77
200	4220.659	Sm II	K35
30	4220.675	Ru I	K59
12	4221.08	Re I	MCS75
300 P	4221.110	Dy I	NG00
30	4222.212	Dy I	NG00
30	4222.29	Ho I	MCS75
110	4222.3677	U I	PKE80
400	4222.598	Ce II	C73
8	4222.637	Ar II	N73
40	4222.671	Tm I	SMC73
700 P	4222.931	Pr II	G90
250	4222.97	K II	D26
100 h	4223.00	Xe II	H39
30	4223.47	Ho I	MCS75
1000	4223.89	Br II	K40
70	4225.03	Gd I	MCS75
150 P	4225.154	Dy I	NG00
250	4225.328	Sm II	K35
700 P	4225.346	Pr II	G90
	4225.655	Fr I	ABDJ90
250	4225.67	K II	D26
1000 P	4225.85	Gd I	MCS75
1000 P	4226.727	Ca I	R68
8	4226.988	Ar II	N73
200 P	4227.13	Ho I	MZH78
90	4227.3872	Th I	PE83
70 c	4227.46	Re I	MCS75
200	4227.747	Ce II	C73
600 P	4227.750	Zr I	J98
30	4228.158	Ar II	N73
25	4229.15	Nb I	MCS75
25	4229.52	Ho II	MCS75
200	4229.704	Sm II	K35
50	4230.309	Ru I	K59
7	4231.972	Yb I	MT78
40	4232.024	Dy I	NG00
20	4232.20	Cs II	S81
250	4232.38	Nd II	MCS75
30	4232.458	V I	DA78
50	4232.589	Mo I	WB88
60	4233.114	Pr II	G90
100	4233.850	Ne II	P71

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
10	4234.41	Cs II	S81
14	4235.154	Mn I	CMG64
20	4235.300	Mn I	CMG64
140	4235.4636	Th I	PE83
200	4235.929	Y I	P77
60	4236.056	Zr I	J98
60 c	4236.153	Pr II	G90
300	4236.745	Sm II	K35
30	4237.220	Ar II	N73
15	4238.053	Sc I	AV77
500 P,c	4238.19	Tc I	BMC67
130 h	4238.25	Xe II	H39
200	4238.38	La II	MCS75
70	4238.78	Gd II	MCS75
600 P	4239.309	Zr I	J98
40	4239.856	Dy I	NG00
300	4239.909	Ce II	C73
200	4240.335	Zr I	J98
200	4241.010	Pr II	G90
70	4241.058	Ru I	K59
200	4241.197	Zr I	J98
200 P	4241.6646	U II	PKE80
300	4241.683	Zr I	J98
20	4241.78	N II	M75a
300 P	4242.15	Tm II	MCS75
1000	4242.38	Cf I	RCWM80
70	4243.058	Ru I	K59
70	4243.507	Pr II	G90
30	4243.78	Ho I	MCS75
60	4244.36	W I	MCS75
1000 P	4244.40	Rb II	R75
100 P,c	4244.92	Pb II	WRSH74
150 h	4245.38	Xe II	H39
30	4245.912	Dy I	NG00
200	4246.227	F II	P69
200	4246.385	F II	P69
200	4246.590	F II	P69
30	4246.736	Ru I	K59
150	4246.774	F II	P69
500 P	4246.820	Sc II	JL80
150	4246.844	F II	P69
400 P	4247.38	Nd II	MCS75
150 c	4247.631	Pr II	G90
1000 P,s	4248.083	Pa II	G67
300	4248.668	Ce II	C73
50	4250.580	Kr II	HP70a
120	4250.649	Ne II	P71
30	4250.7871	Fe I	NJLT94
1	4251.185	Ar I	N73
100	4251.201	Y I	P77
30 l	4251.57	Xe II	H39
200	4251.73	Gd II	MCS75
150	4252.44	Nd II	MCS75
100	4253.37	Gd II	MCS75
200	4253.5385	Th I	PE83
70	4253.61	Gd II	MCS75
1000 P	4254.331	Cr I	K53
150 P,c,w	4254.38	Ho I	MZH78
100	4254.402	Pr II	G90
200	4255.779	Ce II	C73

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
120	4256.2537	Th I	PE83
500 P	4256.393	Sm II	K35
11	4257.669	Mn I	CMG64
6	4259.362	Ar I	N73
800 P,h	4259.413	Bi II	DLW02
150	4260.12	Gd I	MCS75
200	4260.3330	Th I	PE83
80	4260.4746	Fe I	NJLT94
150 P	4260.85	Os I	MCS75
500	4261.11	Te II	HM64
500	4261.886	Pu I	BFG84
300	4262.019	Ga II	IL85
50	4262.05	Nb I	MCS75
300	4262.09	Gd I	MCS75
800 P	4262.27	Tc I	BMC67
300	4262.677	Sm II	K35
40	4262.69	Tc I	BMC67
40	4263.133	Ti I	F91
250	4263.40	K II	D26
60	4264.05	Ho I	MCS75
140	4264.70	Cs II	S81
100	4265.550	Am I	FT57
11	4265.928	Mn I	CMG64
25	4266.02	Nb I	MCS75
30	4266.04	Ho I	MCS75
3	4266.286	Ar I	N73
200	4266.340	Tb I	B01
1000	4266.45	Cm I	WHGC76
25	4266.527	Ar II	N73
140	4266.60	Gd I	MCS75
100	4267.00	Gd I	MCS75
400 P	4267.003	C II	MG93
500 P,c	4267.258	C II	MG93
90	4268.015	Zr I	J98
15	4268.10	Ir I	MCS75
50	4268.638	V I	DA78
60	4269.093	Pr II	G90
9	4269.279	Mo I	WB88
150	4269.38	W I	MCS75
200	4270.186	Ce II	C73
20	4270.69	Nb I	MCS75
40	4271.550	V I	DA78
25	4271.716	Tm I	SMC73
120	4271.7607	Fe I	NJLT94
4	4272.169	Ar I	N73
150 c	4272.273	Pr II	G90
150	4273.14	Rb II	R75
70	4273.3574	Th II	PE83
150	4273.9694	Kr I	K93
30	4274.588	Ti I	F91
800 P	4274.806	Cr I	K53
200	4274.97	Tc II	BMC67
700	4274.98	Tl II	ES36
30	4276.906	Mo I	WB88
40	4276.953	V I	DA78
200 w	4277.13	Cs II	S81
40	4277.239	Mo I	WB88
110	4277.3139	Th II	PE83
200 P	4277.528	Ar II	N73
4	4277.738	Yb I	MT78

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
30	4278.90	Tc I	BMC67
300*	4279.678	Sm II	K35
300*	4279.747	Sm II	K35
90 c	4280.07	Pr II	MCS75
400 P	4280.27	La I	MCS75
100	4280.49	Gd II	MCS75
500 P	4280.789	Sm II	K35
10	4281.100	Mn I	CMG64
150	4282.0413	Th II	PE83
150	4282.198	Zr I	J98
400	4282.208	Sm I	K35
120	4282.4028	Fe I	NJLT94
150 c	4282.456	Pr II	G90
30	4282.698	Ti I	F91
300	4282.833	Sm I	K35
7	4282.898	Ar II	N73
15	4282.9674	Kr I	K93
30	4283.097	Ba I	KL99
40	4284.047	V I	DA78
70	4284.330	Ru I	K59
130	4284.52	Nd II	MCS75
90	4285.82	Gd I	MCS75
110	4286.003	Ti I	F91
50	4286.556	Er I	M64b
25	4286.99	Nb I	MCS75
110	4287.402	Ti I	F91
30 c	4287.97	Rb II	R75
50	4288.38	Cs II	S81
50	4288.631	Mo I	WB88
90	4288.71	Rh I	MCS75
120	4289.070	Ti I	F91
500 P	4289.258	Am I	FT57
500 P	4289.733	Cr I	K53
600 P	4289.935	Ce II	C73
110	4290.929	Ti I	F91
300 s	4291.345	Pa II	G67
30	4291.82	V I	MCS75
25	4292.134	Mo I	WB88
200	4292.923	Kr II	HP70a
1000	4293.00	Cm I	WHGC76
30	4293.215	Mo I	WB88
12	4293.880	Mo I	WB88
20	4293.95	Os I	MCS75
15	4293.97	Rb II	R75
500 P	4294.61	W I	MCS75
150	4294.787	Zr I	J98
150	4294.79	Hf I	MCS75
110	4295.748	Ti I	F91
50	4295.932	Ru I	K59
150 h	4296.40	Xe II	H39
400	4296.680	Ce II	C73
1000 P	4296.743	Sm I	K35
1000 P	4297.06	Tc I	BMC67
90	4297.3066	Th I	PE83
300	4297.714	Ru I	K59
600 P	4297.78	Pm II	RCWM80
15	4298.365	Tm I	SMC73
250	4298.665	Ti I	F91
14	4298.73	Eu I	MCS75
25	4298.905	Er I	M64b

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
90 c	4298.965	Pr II	G90
200	4299.170	F II	P69
25	4299.202	Ti I	F91
90	4299.29	Gd I	MCS75
40	4299.60	Nb I	MCS75
25	4299.629	Ti I	F91
140	4299.8393	Th I	PE83
3	4300.101	Ar I	N73
200	4300.327	Ce II	C73
70	4300.49	Kr II	DHM33
400	4300.554	Ti I	F91
8	4300.650	Ar II	N73
40	4300.99	Nb I	MCS75
500	4301.079	Ti I	F91
700 P,h	4301.697	Bi II	DLW02
250 P	4302.11	W I	MCS75
40 h	4302.290	Y I	P77
500	4302.527	Ca I	R68
90	4302.878	Zr I	J98
1000 P	4303.58	Nd II	MCS75
60	4303.61	Pr II	MCS75
250	4305.00	K II	D26
7 P	4305.45	Sr II	MCS75
300	4305.764	Pr II	G90
800 P	4305.907	Ti I	F91
7	4305.966	Yb I	MT78
250	4306.34	Gd I	MCS75
200	4306.722	Ce II	C73
1000	4306.80	Tl II	ES36
150	4307.1762	Th I	PE83
80	4307.604	Ru I	K59
500	4307.741	Ca I	R68
250	4307.76	Rn I	R33
120	4307.9023	Fe I	NJLT94
50	4308.630	Dy II	NG00
200	4309.012	Sm II	K35
250	4309.10	K II	D26
25	4309.239	Ar II	N73
200	4309.620	Y II	NJK91
40 s	4309.652	Am II	FT57
150 h	4310.51	Xe II	H39
25	4311.27	Nb I	MCS75
20	4311.40	Os I	MCS75
13	4311.50	Ir I	MCS75
400 P	4313.84	Gd I	MCS75
150	4314.082	Sc II	JL80
110	4314.40	Gd I	MCS75
150	4314.800	Ti I	F91
20	4315.110	Au I	ED71
90	4315.2543	Th I	PE83
250	4317.138	O II	MKM93
150 h	4317.81	Kr II	DHM33
200	4318.4157	Th I	PE83
30	4318.441	Ru I	K59
70	4318.5513	Kr I	K93
50	4318.629	Ti I	F91
700 P	4318.847	Tb I	B01
500	4318.936	Sm II	K35
300	4319.530	Sm I	K35
150	4319.5794	Kr I	K93

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
50	4319.871	Ru I	K59
80	4320.52	Gd I	MCS75
120	4320.745	Sc II	JL80
90*	4321.11	Gd II	MCS75
90*	4321.20	Gd I	MCS75
200	4322.224	Tb I	B01
50 h	4322.98	Kr II	DHM33
400 s	4324.570	Am II	FT57
1	4324.62	Na I	R56
90	4324.998	Sc II	JL80
25	4325.126	Ti I	F91
	4325.361	Fr I	ABDJ90
15	4325.419	Li II	HM59
15	4325.471	Li II	HM59
300*	4325.57	Gd II	MCS75
300*	4325.69	Gd I	MCS75
200	4325.76	Nd II	MCS75
150	4325.7622	Fe I	NJLT94
20	4325.868	Dy I	NG00
30	4326.137	Mo I	WB88
20	4326.33	Nb I	MCS75
1000 P	4326.472	Tb I	B01
4	4326.633	Mn II	IV64
11	4327.0533	Pt I	SRSA92
400 P	4327.12	Gd I	MCS75
90	4327.93	Nd II	MCS75
400	4329.016	Sm II	K35
1000 P	4329.03	Cf I	RCWM80
1000 l	4329.580	Bk I	WC78
80	4329.58	Gd I	MCS75
300	4330.016	Sm I	K35
40	4330.026	V I	DA78
300 l	4330.52	Xe II	H39
1000 P	4330.82	Cm I	WHGC76
70	4331.200	Ar II	N73
25	4331.37	Nb I	MCS75
15	4332.030	Ar II	N73
200	4332.117	Tb I	B01
40	4332.825	V I	DA78
3	4333.561	Ar I	N73
500 P	4333.74	La II	MCS75
250	4333.973	Pr II	G90
300	4334.153	Sm II	K35
1000	4335.22	Cf I	RCWM80
1	4335.338	Ar I	N73
600 P	4336.137	Sm I	K35
300 P	4336.455	Tb I	B01
300	4336.54	Pm II	RCWM80
200	4337.2774	Th I	PE83
40	4337.566	Cr I	K53
200	4337.646	Tb I	B01
300	4337.773	Ce II	C73
600 P	4338.435	Tb I	B01
100	4338.70	Nd II	MCS75
70	4338.702	Pr II	G90
60	4339.223	Hg I	BAL50
60	4339.45	Cr I	K53
20	4339.74	Cr I	K53
30 P	4340.462	H I	MK00a
250	4340.609	Tb I	B01

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
500 P	4340.64	Ra II	R34a
60	4341.008	V I	DA78
150	4341.127	Zr I	J98
140 P	4341.6865	U II	PKE80
50	4342.073	Ru I	K59
300	4342.12	Pm II	RCWM80
100	4342.18	Gd II	MCS75
120 c,w	4344.30	Pr II	MCS75
110	4344.30	Gd II	MCS75
90	4344.51	Cr I	K53
1	4345.168	Ar I	N73
1000	4345.69	Cm I	WHGC76
500 P	4346.46	Gd I	MCS75
200	4346.62	Gd I	MCS75
11	4346.96	Rb II	R75
90 c	4347.491	Pr II	G90
100	4347.494	Hg I	BAL50
250	4347.801	Sm II	K35
300	4347.888	Zr I	J98
250 P	4348.064	Ar II	N73
40 h	4348.783	Y I	P77
90	4349.0722	Th I	PE83
250	4349.426	O II	MKM93
300 P	4349.60	Rn I	R33
200	4349.788	Ce II	C73
70	4350.399	Pr II	G90
150 P	4350.73	Ho I	MZH78
20	4351.055	Cr I	K53
130	4351.29	Nd II	MCS75
15	4351.3597	Kr I	K93
1000	4351.504	Bk I	WC78
20	4351.57	Nb I	MCS75
120	4351.77	Cr I	K53
3	4351.906	Mg I	KM91a
15	4352.205	Ar II	N73
50	4352.74	Pb II	WRSH74
80	4352.871	V I	DA78
60	4354.130	Ru I	K59
90	4354.4824	Th I	PE83
90	4354.91	Pr II	MCS75
4	4355.09	Eu II	MCS75
1000 P	4355.477	Kr II	HP70a
130 P,h	4355.7400	U I	PKE80
110	4356.33	Hf I	MCS75
300 P	4356.837	Tb I	B01
150	4358.17	Nd II	MCS75
1000 P	4358.328	Hg I	BAL50
7	4358.69	Re I	MCS75
130	4359.13	Ac II	MFT57
140	4359.3719	Th I	PE83
30	4359.647	Cr I	K53
80 c	4359.788	Pr II	G90
250 P	4359.928	Tm I	SMC73
60 P	4360.663	Be II	J61a
90	4360.800	Zr I	J98
100 P	4360.988	Be II	J61a
80	4361.204	Ru I	K59
200	4362.040	Sm II	K35
130 P	4362.0510	U I	PKE80
8	4362.066	Ar II	N73

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
80	4362.6416	Kr I	K93
300 P	4362.912	Sm I	K35
80	4363.30	Cs II	S81
1000 P	4363.636	Bk I	WC78
800	4364.00	Te II	HM64
250	4364.650	Ce II	C73
1000	4365.63	Br II	K40
140	4365.9301	Th I	PE83
15	4367.832	Ar II	N73
250	4368.334	Pr II	G90
70 h	4369.20	Xe II	H39
150 r	4369.64	Pm I	RD67
70	4369.69	Kr II	DHM33
120	4369.862	Ne II	P71
70	4370.753	Ar II	N73
25	4371.279	Cr I	K53
25	4371.329	Ar II	N73
60	4371.62	Pr II	MCS75
200	4372.200	Ru I	K59
30	4372.93	Cl II	RK74
40	4373.04	Cs II	S81
30 l	4373.78	Xe II	H39
200	4373.83	Gd I	MCS75
140	4374.1239	Th I	PE83
70	4374.462	Sc II	JL80
400 P	4374.80	Rh I	MCS75
900 P	4374.933	Y II	NJK91
80	4375.9302	Fe I	NJLT94
15	4375.954	Ar II	N73
130	4376.1216	Kr I	K93
30	4377.12	Rb II	R75
200	4378.236	Sm II	K35
1000 P	4379.230	V I	DA78
70	4379.400	Ne II	P71
150	4379.550	Ne II	P71
50	4379.667	Ar II	N73
300	4380.423	Sm I	K35
70	4381.630	Mo I	WB88
300 P	4381.8616	Th II	PE83
250	4382.164	Ce II	C73
200 P	4383.5449	Fe I	NJLT94
300 P,l	4384.53	Ac I	MFT57
600 P	4384.710	V I	DA78
25	4384.974	Cr I	K53
15	4385.057	Ar II	N73
100	4385.059	Ne II	P71
80	4385.393	Ru I	K59
120	4385.650	Ru I	K59
130	4385.66	Nd II	MCS75
20	4386.397	Er I	M64b
500 P,l	4386.41	Ac II	MFT57
140 P	4386.434	Tm I	SMC73
100 P,c	4386.46	Pb II	WRSH74
100 h	4386.54	Kr II	DHM33
200	4386.826	Ce II	C73
10	4387.929	He I	M60a
250	4388.16	K II	D26
150 r	4388.49	Pm I	RD67
400 P	4389.980	V I	DA78
1	4390.03	Na I	R56

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
150	4390.440	Ru I	K59
10	4390.572	Mg II	KM91a
400	4390.858	Sm II	K35
250 P	4391.1105	Th II	PE83
500	4391.660	Ce II	C73
12	4391.83	Pt I	MCS75
200	4391.991	Ne II	P71
600	4392.81	Na II	W71
90	4392.9740	Th I	PE83
150 h	4393.20	Xe II	H39
1	4393.34	Na I	R56
100	4393.5858	U I	PKE80
20	4393.922	Ti I	F91
20	4394.420	Tm I	SMC73
20	4394.86	Os I	MCS75
30	4395.004	Ti II	HJLW82
300 P	4395.223	V I	DA78
150 l	4395.77	Xe II	H39
14	4396.495	Tm I	SMC73
400 P	4396.71	Ac I	MFT57
200	4397.341	Sm I	K35
150	4397.990	Ne II	P71
200	4398.008	Y II	NJK91
30	4399.9663	Kr I	K93
25	4400.097	Ar II	N73
120	4400.572	V I	DA78
300	4400.77	Pa I	BW92b
100	4400.83	Nd II	MCS75
70	4400.986	Ar II	N73
250	4401.174	Sm I	K35
90	4401.5812	Th I	PE83
300 P	4401.86	Gd I	MCS75
200* d	4403.06	Sm II	K35
200* d	4403.13	Sm I	K35
110	4403.14	Gd I	MCS75
120	4404.7505	Fe I	NJLT94
500	4404.894	Pu I	BFG84
400	4405.12	Na II	W71
40 w	4405.26	Cs II	S81
80	4405.825	Pr II	G90
200	4406.638	V I	DA78
70 l	4406.88	Xe II	H39
250	4407.633	V I	DA78
300 P	4408.195	V I	DA78
400 P	4408.501	V I	DA78
300	4408.820	Pr II	G90
140	4408.8828	Th I	PE83
150	4409.299	Ne II	P71
60	4409.340	Er I	M64b
150	4410.028	Ru I	K59
20	4410.21	Nb I	MCS75
90	4411.06	Nd II	MCS75
110	4411.16	Gd I	MCS75
200	4411.585	Sm I	K35
90 P	4411.695	Mo I	WB88
100 r	4412.47	Pm I	RD67
100	4413.215	Ne II	P71
80	4413.770	Pr II	G90
200	4414.16	Gd I	MCS75
150	4414.73	Gd I	MCS75

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
13	4414.887	Mn I	CMG64
400 P	4414.905	O II	MKM93
30	4415.1226	Fe I	NJLT94
1000	4415.63	Cd II	SP49
50 l	4416.07	Xe II	H39
50	4416.469	V I	DA78
250	4416.974	O II	MKM93
30	4417.273	Ti I	F91
1000 P	4417.96	Pm II	RCWM80
300	4418.778	Ce II	C73
300	4419.332	Sm I	K35
50	4419.608	Er II	M64b
150 P	4420.47	Os I	MCS75
400	4420.526	Sm II	K35
80	4420.71	P II	M59
250	4421.138	Sm II	K35
100	4421.389	Ne II	P71
50	4421.566	V I	DA78
300 P	4422.41	Gd I	MCS75
1000	4423.011	Bk I	WC78
200	4423.90	La I	MCS75
700 P	4424.339	Sm II	K35
25	4424.571	Er I	M64b
15	4425.1901	Kr I	K93
500 P	4425.441	Ca I	R68
130	4426.001	Ar II	N73
40	4426.002	V I	DA78
25	4426.769	Er I	M64b
110	4427.098	Ti I	F91
60	4427.2979	Fe I	NJLT94
100	4428.516	Ne II	P71
25	4428.517	V I	DA78
100	4428.634	Ne II	P71
250 c	4429.128	Pr II	G90
200	4429.265	Ce II	C73
40	4429.59	Tc I	BMC67
300	4429.664	Sm I	K35
20	4429.800	V I	DA78
200	4429.90	La II	MCS75
50	4430.189	Ar II	N73
250 P	4430.63	Gd I	MCS75
150	4430.904	Ne II	P71
150	4430.942	Ne II	P71
15	4430.996	Ar II	N73
150	4431.685	Kr II	HP70a
400	4432.51	Pm II	RCWM80
15	4433.838	Ar II	N73
400	4433.885	Sm II	K35
400	4434.323	Sm II	K35
30	4434.949	Mo I	WB88
500 P	4434.960	Ca I	R68
250 P,c,w	4435.56	Eu II	MCS75
500 P	4435.688	Ca I	R68
300	4436.13	Pa I	BW92b
40	4436.133	V I	DA78
100	4436.27	Ra II	R34a
200	4436.812	Kr II	HP70a
11 h	4437.269	Au I	ED71
3	4437.55	He I	M60a
50	4437.830	V I	DA78

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
25	4439.19	Yb I	MT78
7	4439.461	Ar II	N73
40	4439.745	Ru I	K59
400 s	4441.357	Am II	FT57
70	4441.68	V I	MCS75
130	4441.74	Br I	T63
300	4441.812	Sm I	K35
300	4442.276	Sm I	K35
50	4442.55	Pt I	MCS75
50	4444.192	V I	DA78
400	4445.153	Sm I	K35
500	4445.41	Pm II	RCWM80
9	4445.55	Pt I	MCS75
110	4446.39	Nd II	MCS75
150	4446.527	F II	P69
150	4446.722	F II	P69
600	4446.90	Pm II	RCWM80
30 P	4447.03	N II	M75a
20	4447.18	Nb I	MCS75
200	4447.188	F II	P69
1000	4447.77	Cm I	WHGC76
150 h	4448.13	Xe II	H39
12	4448.879	Ar II	N73
110	4449.143	Ti I	F91
40	4449.322	Ru I	K59
200	4449.322	Ce II	C73
30	4449.705	Dy II	NG00
12	4449.738	Mo I	WB88
140	4449.826	Pr II	G90
200	4450.727	Ce II	C73
70	4450.894	Ti I	F91
250	4451.57	Nd II	MCS75
30	4451.575	Mn I	CMG64
50	4452.006	V I	DA78
300	4452.727	Sm II	K35
110	4453.312	Ti I	F91
40	4453.698	Ti I	F91
100	4453.9175	Kr I	K93
800 P	4453.95	Pm II	RCWM80
300	4454.629	Sm II	K35
600 P	4454.781	Ca I	R68
500	4455.23	Na II	W71
120	4455.317	Ti I	F91
600 P	4455.887	Ca I	R68
400 P	4456.605	Ca I	R68
120	4457.049	Ne II	P71
15	4457.354	Mo I	WB88
140	4457.426	Ti I	F91
30	4457.470	V I	DA78
140	4458.0015	Th I	PE83
10	4458.263	Mn I	CMG64
700	4458.469	As II	LA71
250	4458.517	Sm II	K35
1000 P	4459.16	Cm I	WHGC76
150	4459.25	Rn I	R33
80	4459.752	V I	DA78
100	4460.031	Ru I	K59
700 P	4460.204	Ce II	C73
150	4460.331	V I	DA78
40	4461.6528	Fe I	NJLT94

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
20	4462.033	Mn I	CMG64
300 h	4462.19	Xe II	H39
50	4462.360	V I	DA78
400 P	4462.73	Ac I	MFT57
140	4462.99	Nd II	MCS75
130	4463.6900	Kr I	K93
11	4464.679	Mn I	CMG64
40	4465.805	Ti I	F91
700	4466.348	As II	LA71
1000 P	4466.457	Bk I	WC78
110	4467.08	Gd I	MCS75
500 P	4467.342	Sm II	K35
200	4468.663	Pr II	G90
11	4469.47	Rb II	R75
30	4469.705	V I	DA78
500 P	4470.886	Sm I	K35
30	4471.236	Ti I	F91
400	4471.237	Ce II	C73
200	4471.479	He I	M60a
25	4471.68	He I	M60a
110	4472.101	B II	O70
120	4472.3297	U II	PKE80
130	4472.61	Br I	T63
110	4472.851	B II	O70
300	4473.23	Pm II	RCWM80
150	4474.13	Gd I	MCS75
20	4474.570	Mo I	WB88
30	4474.759	Ar II	N73
250	4475.014	Kr II	HP70a
15	4475.720	Y I	P77
200	4476.12	Gd I	MCS75
20	4476.952	Y I	P77
15	4477.442	Y I	P77
250	4477.72	Br I	T63
800	4478.63	Te II	HM64
200	4478.657	Sm II	K35
200	4479.358	Ce II	C73
150 l	4480.86	Xe II	H39
14 P	4481.126	Mg II	KM91a
70	4481.258	Ti I	F91
60	4481.26	Tm II	MCS75
13 P	4481.325	Mg II	KM91a
40	4481.53	Tc I	BMC67
150 r	4481.60	Pm I	RD67
70	4481.811	Ar II	N73
130	4482.1693	Th I	PE83
5 h	4482.422	Yb I	MT78
200	4483.891	Ce II	C73
70	4484.19	W I	MCS75
250	4486.905	Ce II	C73
120	4487.06	Tc I	BMC67
30	4487.460	Y I	P77
25	4488.253	Au I	ED71
30	4488.889	V I	DA78
30	4489.087	Ti I	F91
130 h	4489.88	Kr II	DHM33
400	4490.87	Na II	W71
140	4493.077	Tb I	B01
300	4493.21	Po I	C66a
1	4494.18	Na I	R56

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
800	4494.230	As II	LA71
30	4496.145	Ti I	F91
200	4496.456	Pr II	G90
30	4496.85	Cr I	K53
100	4497.13	Gd I	MCS75
1	4497.66	Na I	R56
15	4498.76	Pt I	MCS75
9	4498.897	Mn I	CMG64
200	4498.9401	Th I	PE83
250	4499.108	Sm I	K35
600	4500.15	Pm II	RCWM80
120	4501.55	Cs II	S81
9	4502.223	Mn I	CMG64
100	4502.3543	Kr I	K93
90	4505.2167	Th I	PE83
50	4505.948	Y I	P77
90	4506.21	Gd I	MCS75
250	4506.413	Ce I	M75c
150	4507.109	Zr I	J98
700 P,l	4507.20	Ac II	MFT57
800	4507.659	As II	LA71
150	4508.48	Rn I	R33
1000 P,l	4509.450	Am II	FT57
150	4510.153	Pr II	G90
70	4510.5259	Th II	PE83
3	4510.733	Ar I	N73
140 d	4510.98	Ta I	MCS75
1000 P	4511.2972	In I	DMZ53
100	4512.733	Ti I	F91
50	4513.31	Re I	MCS75
40	4515.98	Tc I	BMC67
130	4518.021	Ti I	F91
400 P	4518.57	Lu I	MCS75
15	4519.595	Tm I	SMC73
200	4519.633	Sm II	K35
250 P	4519.66	Gd I	MCS75
8	4520.90	Pt I	MCS75
120	4521.1939	Th I	PE83
30 l	4521.86	Xe II	H39
1	4522.323	Ar I	N73
90	4522.37	La II	MCS75
30	4522.57	Tm II	MCS75
50 P	4522.57	Eu II	MCS75
100	4522.720	Ne II	P71
9	4522.73	Re I	MCS75
130	4522.796	Ti I	F91
400	4522.84	Tc I	BMC67
200	4523.077	Ce II	C73
130 h	4523.14	Kr II	DHM33
30	4523.41	Nb I	MCS75
110 P	4524.734	Sn I	B64
2	4524.926	Ba II	KL99
600	4525.20	Pm II	RCWM80
200	4525.59	Br I	T63
20	4526.458	Cr I	K53
200 P	4526.74	Cs II	S81
90	4527.239	Y I	P77
250	4527.25	Nd I	MCS75
100	4527.305	Ti I	F91
250	4527.349	Ce II	C73

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
150 r	4527.70	Pm I	RD67
40	4527.783	Y I	P77
250	4528.472	Ce II	C73
800 P	4529.21	Pm II	RCWM80
30	4530.34	Rb II	R75
7	4530.552	Ar II	N73
20	4530.72	Cr I	K53
150 P	4533.11	Ra II	R34a
800	4533.239	Ti I	F91
200	4533.799	Sm I	K35
70 c	4534.154	Pr II	G90
500	4534.775	Ti I	F91
300	4535.567	Ti I	F91
12	4535.714	Cr I	K53
150	4535.742	Zr I	J98
150	4535.918	Ti I	F91
70	4535.923	Pr II	G90
150	4536.039	Ti I	F91
1000 P	4536.146	Pu II	BFG84
14	4536.796	Mo I	WB88
100	4537.7545	Ne I	SS04
200	4537.81	Gd I	MCS75
40	4538.97	Cs II	S81
80	4539.53	Tc I	BMC67
250	4539.745	Ce II	C73
12	4540.50	Cr I	K53
12	4540.715	Cr I	K53
500	4542.89	Br II	K40
700	4543.483	As II	LA71
130 P	4543.6255	U II	PKE80
200	4543.948	Sm II	K35
7	4544.607	Cr I	K53
90	4544.687	Ti I	F91
130	4545.052	Ar II	N73
30	4545.395	V I	DA78
30	4545.946	Cr I	K53
30	4546.82	Nb I	MCS75
120	4548.763	Ti I	F91
20	4550.41	Os I	MCS75
25	4552.42	Pt I	MCS75
120	4552.453	Ti I	F91
30	4552.85	Tc I	BMC67
60	4553.008	Zr I	J98
1000 P	4554.033	Ba II	KL99
500	4554.514	Ru I	K59
60	4555.124	Zr I	J98
15 P,c	4555.28	Cs I	K62b
90	4555.483	Ti I	F91
120	4555.8127	Th I	PE83
70 h	4556.61	Kr II	DHM33
40	4557.05	Tc I	BMC67
500	4557.78	Te II	HM64
300	4559.67	Nd I	MCS75
200	4560.283	Ce II	C73
25	4560.716	V I	DA78
600 P	4562.358	Ce II	C73
5 h	4563.95	Yb I	MT78
7	4564.405	Ar II	N73
25	4564.53	Nb I	MCS75
80	4564.54	Tc I	BMC67

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
110	4565.94	Hf I	MCS75
200	4567.91	La I	MCS75
100	4569.057	Ne II	P71
300	4570.02	La I	MCS75
110	4570.9722	Th I	PE83
5	4571.096	Mg I	KM91a
200	4571.77	Rb II	R75
300	4572.281	Ce II	C73
12 P	4572.664	Be I	KM97
40	4573.08	Nb I	MCS75
130	4574.31	Ta I	MCS75
150 r	4575.27	Pm I	RD67
140	4575.513	Zr I	J98
1000 P,l	4575.590	Am II	FT57
40 P	4576.209	Yb I	MT78
40	4577.178	V I	DA78
250	4577.209	Kr II	HP70a
150	4577.72	Rn I	R33
25	4577.775	Dy I	NG00
40	4578.45	Tc I	BMC67
40	4578.69	Tb II	MCS75
50	4579.051	Pb II	WRSH74
130	4579.350	Ar II	N73
20	4580.045	Cr I	K53
50	4580.403	V I	DA78
90	4581.29	Gd I	MCS75
200	4581.581	Sm I	K35
30	4581.62	Nb I	MCS75
300	4581.729	Sm I	K35
50	4582.27	Pb II	WRSH74
11	4582.355	Yb I	MT78
100	4582.978	Kr II	HP70a
90	4583.07	Gd I	MCS75
150	4584.440	Ru I	K59
70	4586.370	V I	DA78
200	4586.62	Nd I	MCS75
110 P	4588.04	P II	M59
4	4589.211	Yb I	MT78
130 P	4589.364	Dy I	NG00
110 P	4589.86	P II	M59
130	4589.898	Ar II	N73
8	4590.834	Yb I	MT78
300	4590.972	O II	MKM93
20	4591.405	Cr I	K53
50 h	4592.80	Kr II	DHM33
8 P,c	4593.17	Cs I	K62b
200 s	4593.307	Am II	FT57
40	4593.35	Tc I	BMC67
250	4593.924	Ce II	C73
1000 P	4594.03	Eu I	MCS75
110	4594.119	V I	DA78
130	4595.4206	Th I	PE83
250	4596.175	O II	MKM93
13	4596.528	Y I	P77
100	4597.55	Pm I	RD67
250 d	4598.80	Hf I	MCS75
90	4598.90	Gd I	MCS75
25	4599.017	Tm I	SMC73
100 r	4600.25	Pm I	RD67
25	4600.745	Cr I	K53

Finding List—Continued

Intensity		Wavelength (Å)	Spectrum	Ref
300	s	4601.43	Pa II	BW92b
30		4601.48	N II	M75a
130	P	4602.08	P II	M59
15	P	4602.831	Li I	REB95
30*	P	4602.898	Li I	REB95
30*		4602.902	Li I	REB95
1000	P	4603.79	Cs II	S81
200		4603.82	Nd I	MCS75
300		4605.45	Ac II	MFT57
200	r	4605.66	Pm I	RD67
70	P	4606.606	Er I	M64b
80		4606.77	Nb I	MCS75
20		4607.16	N II	M75a
1000	P	4607.33	Sr I	MCS75
80	h	4607.512	Au I	ED71
1000	P	4608.40	Cm I	WHGC76
250		4608.45	K II	D26
150		4609.38	Rn I	R33
200	P	4609.567	Ar II	N73
100	r	4609.85	Pm I	RD67
200		4609.87	Nd I	MCS75
12		4609.874	Mo I	WB88
60		4612.258	Dy I	NG00
12		4613.36	Cr I	K53
300	P	4613.93	Ac I	MFT57
110		4614.50	Gd I	MCS75
150		4615.292	Kr II	HP70a
30		4615.94	Tm II	MCS75
30		4616.120	Cr I	K53
40	c	4616.17	Cs II	S81
40		4616.86	Tc I	BMC67
150	r	4617.02	Pm I	RD67
120		4617.268	Ti I	F91
300	P	4619.166	Kr II	HP70a
100		4619.51	Ta I	MCS75
100	r	4619.75	Pm I	RD67
20		4619.777	V I	DA78
50		4620.0361	Ag II	KLLT01
14	c	4620.14	In II	PC38
100		4620.86	Hf I	MCS75
20		4621.39	N II	M75a
100		4621.57	Pm I	RD67
20		4621.721	Si II	S61b
600	P	4621.94	Nd I	MCS75
30	c	4622.42	Rb II	R75
60		4623.097	Ti I	F91
200	r	4623.68	Pm I	RD67
100		4624.41	Pm I	RD67
200	r	4625.29	Pm I	RD67
30		4626.181	Cr I	K53
15		4626.464	Mo I	WB88
900	P	4627.22	Eu I	MCS75
200		4627.98	Nd I	MCS75
500		4628.157	Ce II	C73
300		4628.19	Pa I	BW92b
25		4629.336	Ti I	F91
30		4630.11	Nb I	MCS75
40	P	4630.54	N II	M75a
40		4630.57	Tc I	BMC67
400		4632.28	Pr I	MCS75

Finding List—Continued

Intensity		Wavelength (Å)	Spectrum	Ref
500	P	4632.320	Ce I	BWCC91
150	r	4633.45	Pm I	RD67
250	P	4633.885	Kr II	HP70a
200		4633.982	Zr I	J98
1000	P	4634.24	Nd I	MCS75
400		4635.68	Pr I	MCS75
90		4636.64	Gd I	MCS75
12		4637.233	Ar II	N73
120		4637.50	Tc I	BMC67
20	c	4638.16	In II	PC38
30		4639.360	Ti I	F91
500	P	4639.55	Pr I	MCS75
30		4639.660	Ti I	F91
25		4639.939	Ti I	F91
700	P	4641.10	Nd I	MCS75
500		4641.12	Te II	HM64
300	P	4641.810	O II	MKM93
400		4641.88	K I	R56
40		4641.98	Tb II	MCS75
200		4642.235	Sm II	K35
400		4642.37	K I	R56
30		4643.08	N II	M75a
150	r	4643.36	Pm I	RD67
200		4643.698	Y I	P77
100	r	4643.76	Pm I	RD67
12	c	4644.58	In II	PC38
50	P	4645.31	Tb II	MCS75
200		4645.405	Sm I	K35
80		4646.151	Cr I	K53
400		4646.40	Nd I	MCS75
100	r	4647.03	Pm I	RD67
70		4647.594	Ru I	K59
80		4648.33	Tc I	BMC67
110		4648.57	Rb II	R75
30		4648.95	Nb I	MCS75
10	l	4649.119	Am I	FT57
400	P	4649.135	O II	MKM93
250		4649.491	Sm I	K35
600	P	4649.67	Nd I	MCS75
300		4650.509	Ce I	M75c
200		4651.12	Cu I	S48
30		4651.285	Cr I	K53
40		4652.155	Cr I	K53
150	r	4653.41	Pm I	RD67
10	l	4653.448	Am I	FT57
90		4653.54	Gd I	MCS75
900	P	4654.37	Te II	HM64
400		4654.73	Nd I	MCS75
20	c	4655.62	In II	PC38
90		4656.468	Ti I	F91
20	w	4656.74	In II	PC38
130		4657.901	Ar II	N73
130		4658.02	Lu I	MCS75
20	h	4658.319	Y I	P77
700	P	4658.876	Kr II	HP70a
70		4659.87	W I	MCS75
80	c	4660.21	Tc I	BMC67
100	r	4660.79	Pm I	RD67
300		4661.633	O II	MKM93
800	P	4661.88	Eu I	MCS75

Finding List—Continued

Intensity		Wavelength (Å)	Spectrum	Ref
500	P,l	4662.790	Am I	FT57
1000	P	4663.056	Al II	KM91b
150	r	4663.46	Pm I	RD67
200		4663.556	Sm I	K35
30		4663.83	Nb I	MCS75
2		4664.811	Na I	R56
300	r	4665.19	Pm I	RD67
20		4666.24	Nb I	MCS75
600		4666.800	Al II	KM91b
110		4667.584	Ti I	F91
5	h	4668.477	Ag I	PZ01
2		4668.560	Na I	R56
80		4669.30	Tc I	BMC67
200		4669.396	Sm II	K35
300		4670.747	Sm I	K35
150	r	4671.23	Pm I	RD67
30		4671.651	Li II	HM59
10		4671.705	Li II	HM59
40		4672.09	Nb I	MCS75
20		4673.161	Er I	M64b
140	P	4673.329	Be II	J61a
200	P	4673.423	Be II	J61a
250		4674.599	Sm II	K35
200		4674.848	Y I	P77
15		4675.03	Rh I	MCS75
30		4675.37	Nb I	MCS75
50		4675.619	Er II	M64b
110		4676.0555	Th I	PE83
250		4676.235	O II	MKM93
100	r	4677.92	Pm I	RD67
80		4678.056	Li II	HM59
150	r	4678.09	Pm I	RD67
100	P	4678.149	Cd I	BA56
25		4678.290	Li II	HM59
500		4678.70	Br II	K40
100	P	4680.1359	Zn I	GL00
150		4680.406	Kr II	HP70a
70		4680.51	W I	MCS75
200	l	4681.651	Am I	FT57
150	P	4681.88	Ta I	MCS75
120		4681.908	Ti I	F91
15		4681.920	Tm I	SMC73
500	P	4682.28	Ra II	R34a
200	r	4682.92	Pm I	RD67
90		4683.33	Gd I	MCS75
600	P	4683.45	Nd I	MCS75
200		4684.04	Nd I	MCS75
25	w	4684.8	In II	PC38
20		4685.14	Nb I	MCS75
4	P,c	4685.3769	He II	MK00b
3	P,c	4685.4072	He II	MK00b
15*	P,c	4685.7038	He II	MK00b
15*	P,c	4685.7044	He II	MK00b
12	P,c	4685.8041	He II	MK00b
1000		4686.91	Te II	HM64
700	P	4687.799	Zr I	J98
500	P	4687.80	Pr I	MCS75
150		4688.450	Zr I	J98
250		4688.733	Sm I	K35
200		4690.35	Nd I	MCS75

Finding List—Continued

Intensity		Wavelength (Å)	Spectrum	Ref
30		4691.301	Kr II	HP70a
25		4691.331	Ti I	F91
40		4694.13	S I	KM93
150		4694.33	Gd I	MCS75
70		4694.360	Kr II	HP70a
800	P	4695.77	Pr I	MCS75
500		4696.38	Te II	HM64
400		4696.44	Nd I	MCS75
20		4696.800	Y I	P77
100	r	4696.80	Pm I	RD67
90		4697.42	Gd I	MCS75
12		4698.46	Cr I	K53
25		4698.760	Ti I	F91
400	l	4699.700	Am II	FT57
40		4702.41	Tb II	MCS75
150		4704.3949	Ne I	SS04
500	P	4704.92	Br II	K40
600	P,h	4705.285	Bi II	DLW02
250		4705.352	O II	MKM93
200		4705.78	Ac I	MFT57
500		4706.53	Te II	HM64
100	l	4706.802	Am I	FT57
40		4706.92	Tc I	BMC67
250		4706.96	Nd I	MCS75
20		4707.248	Mo I	WB88
10		4708.02	Cr I	K53
120		4708.8594	Ne I	SS04
130		4709.482	Ru I	K59
400		4709.52	Pr I	MCS75
100		4710.0650	Ne I	SS04
500	P	4710.074	Zr I	J98
200		4711.68	Sb II	C66b
150		4712.0633	Ne I	SS04
30		4713.146	He I	M60a
4		4713.38	He I	M60a
150		4715.344	Ne I	SS04
500	P	4716.097	Sm I	K35
500	P	4716.58	Ac I	MFT57
80		4717.77	Tc I	BMC67
12		4718.43	Cr I	K53
500	P	4719.02	Nd I	MCS75
150	c	4719.28	Tc I	BMC67
300	s	4720.16	Ac II	MFT57
7		4721.591	Ar II	N73
100		4721.76	Rn I	R33
250	P	4722.1569	Zn I	GL00
50		4722.28	Sr I	MCS75
70	P,c	4722.527	Bi I	GMV85
150		4723.4382	Th I	PE83
11		4726.08	Yb II	M67
200	P	4726.868	Ar II	N73
300	r	4728.36	Pm I	RD67
500	P	4728.423	Sm I	K35
15		4728.514	Y I	P77
150	r	4728.68	Pm I	RD67
20		4729.209	Sc I	AV77
300		4730.267	Bi II	DLW02
11		4730.45	Rb II	R75
500	P	4730.67	Pr I	MCS75
600	P	4730.78	Se I	RG34

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
25	4731.441	Mo I	WB88
250	4731.77	Nd I	MCS75
15	4732.053	Ar II	N73
70 P	4733.335	Tm I	SMC73
25	4734.109	Sc I	AV77
60	4734.152	Xe I	HM33
400 P,r	4734.27	Pm I	RD67
100	4735.906	Ar II	N73
700 P	4736.69	Pr I	MCS75
700	4737.05	Tl II	ES36
7	4737.33	Cr I	K53
30	4737.647	Sc I	AV77
1000 P	4739.002	Kr II	HP70a
400	4739.03	Se I	RG34
400	4739.475	Zr I	J98
400	4740.61	Tc I	BMC67
150	4740.91	K I	R56
30	4741.024	Sc I	AV77
1000 P	4741.806	Ge II	S63a
30	4741.92	Sr I	MCS75
300	4742.25	Se I	RG34
90	4743.65	Gd I	MCS75
50	4743.821	Sc I	AV77
250	4744.16	Pr I	MCS75
250	4744.35	K I	R56
150 r	4745.13	Pm I	RD67
70 P	4752.53	Tb II	MCS75
40	4752.72	Tc I	BMC67
50	4752.7320	Ne I	SS04
15	4752.790	Y I	P77
200	4753.93	K I	R56
40	4754.048	Mn I	CMG64
11	4755.30	Rb II	R75
15	4756.09	Cr I	K53
50	4756.8059	U I	PKE80
300	4757.39	K I	R56
150 r	4757.73	Pm I	RD67
50	4757.844	Ru I	K59
40	4758.118	Ti I	F91
70	4758.70	Gd I	MCS75
700 P,r	4759.00	Pm I	RD67
40	4759.269	Ti I	F91
25	4760.183	Mo I	WB88
500 P	4760.27	Sm I	K35
40	4760.978	Y I	P77
30	4762.376	Mn I	CMG64
100	4762.435	Kr II	HP70a
1000 P,r	4762.57	Pm I	RD67
70	4763.64	Cs II	S81
250 P	4764.865	Ar II	N73
1000 l	4765.40	Bk I	WC78
300 P	4765.744	Kr II	HP70a
11	4765.856	Mn I	CMG64
500	4766.05	Te II	HM64
20	4766.426	Mn I	CMG64
100	4767.24	Gd I	MCS75
25	4768.649	Cl II	RK74
150	4771.54	Tc I	BMC67
250	4772.313	Zr I	J98
400 P,r	4773.46	Pm I	RD67

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
300 P	4775.95	Rb II	R75
10	4779.354	Sc I	AV77
250	4779.46	Nd I	MCS75
200 r	4781.29	Pm I	RD67
70	4781.318	Cl II	RK74
9 h	4781.867	Yb I	MT78
60 c	4782.83	Rb II	R75
400	4783.103	Sm I	K35
30	4783.432	Mn I	CMG64
20	4784.32	Sr I	MCS75
500	4784.87	Te II	HM64
60	4784.921	Zr I	J98
500 P	4785.48	Br II	K40
200	4785.864	Sm I	K35
200	4786.49	K I	R56
9	4786.61	Yb II	M67
60	4786.78	Tb I	MCS75
15	4786.875	Y I	P77
80	4788.363	Li II	HM59
100	4788.3968	Ag II	KLLT01
100	4788.9258	Ne I	SS04
10	4789.324	Cr I	K53
100	4789.93	Es	WLGC74
50	4790.2195	Ne I	SS04
300	4791.05	K I	R56
50	4792.583	Au I	ED71
15	4792.619	Xe I	HM33
25	4793.99	Os I	MCS75
600 P	4794.55	Cl II	RK74
600 P,r	4798.98	Pm I	RD67
20	4799.301	Y I	P77
250	4799.75	K I	R56
150 P	4799.912	Cd I	BA56
140	4800.50	Hf I	MCS75
500 P,r	4801.36	Pm I	RD67
100 h	4802.21	Es	WLGC74
20	4803.29	N II	M75a
300	4804.35	K I	R56
70	4805.872	Zr I	J98
200 P	4806.020	Ar II	N73
50	4807.02	Xe I	HM33
200 r	4809.54	Pm I	RD67
150 P	4810.06	Cl II	RK74
400 P	4810.5321	Zn I	GL00
100	4811.76	Kr II	DHM33
350 P,r	4811.85	Pm I	RD67
70 P	4811.88	Sr I	MCS75
200	4812.22	Ac II	MFT57
1000 P	4814.608	Ge II	S63a
200	4815.630	Zr I	J98
500 P	4816.68	Br II	K40
14	4819.249	Mo I	WB88
90	4819.471	Cl II	RK74
300	4820.34	Pa I	BW92b
25	4820.410	Ti I	F91
400	4820.74	Tc I	BMC67
70	4821.69	Gd I	MCS75
300	4822.547	Ce I	M75c
40	4823.528	Mn I	CMG64
80	4824.288	Zr I	J98

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
100	4825.18	Kr II	DHM33
1000 P	4825.91	Ra I	R34b
500	4827.14	Te II	HM64
100	4827.338	Ne I	SS04
40	4828.159	Be II	J61a
300	4829.23	K II	D26
40	4829.71	Xe I	HM33
250	4830.19	Cs II	S81
14	4830.513	Mo I	WB88
800	4831.28	Te II	HM64
250 P	4832.077	Kr II	HP70a
60	4832.08	Sr I	MCS75
40	4834.37	Tc I	BMC67
40	4835.39	Tc I	BMC67
350 P,r	4837.66	Pm I	RD67
80	4839.866	Y I	P77
60	4840.873	Ti I	F91
600 P	4841.701	Sm I	K35
800	4842.90	Te II	HM64
30	4843.29	Xe I	HM33
90	4843.81	W I	MCS75
700 P	4844.33	Xe II	HP87
800	4844.941	Se II	G62
60	4845.668	Y I	P77
250 P	4846.612	Kr II	HP70a
400	4847.774	Ce I	M75c
50	4847.810	Ar II	N73
300	4849.86	K I	R56
60	4851.362	Zr I	J98
25	4851.489	V I	DA78
40	4852.682	Y I	P77
800 P	4853.59	Tc I	BMC67
300	4854.861	Y II	NJK91
40	4856.010	Ti I	F91
300	4856.09	K I	R56
50	4857.20	Kr II	DHM33
30	4859.841	Y I	P77
700 P,r	4860.74	Pm I	RD67
30 P	4861.2786	H I	MK00a
10 P	4861.2870	H I	MK00a
60 P	4861.3615	H I	MK00a
300 s	4861.49	Pa I	BW92b
70	4863.1724	Th II	PE83
300	4863.48	K I	R56
40	4864.733	V I	DA78
600	4865.12	Te II	HM64
300 r	4865.72	Pm I	RD67
15	4865.910	Ar II	N73
1000	4866.24	Te II	HM64
400	4866.73	Tc I	BMC67
400	4866.74	Nd I	MCS75
10	4867.62	Eu I	MCS75
12	4868.018	Mo I	WB88
25	4868.259	Ti I	F91
50	4869.163	Ru I	K59
400	4869.76	K I	R56
200	4870.04	Cs II	S81
30	4870.127	Ti I	F91
7	4870.79	Cr I	K53
400 l	4872.220	Am II	FT57

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
150 r	4872.42	Pm I	RD67
50 P	4872.49	Sr I	MCS75
9	4874.10	Ag I	S40
50	4875.486	V I	DA78
30	4876.32	Sr I	MCS75
500	4878.132	Ca I	R68
8	4879.53	Pt I	MCS75
250 P	4879.864	Ar II	N73
50 c	4880.05	Cs II	S81
15	4881.320	Li II	HM59
15	4881.386	Li II	HM59
5	4881.490	Li II	HM59
60	4881.555	V I	DA78
700 P	4883.682	Y II	NJK91
700 P	4883.81	Nd I	MCS75
500 P	4883.971	Sm I	K35
100	4884.9170	Ne I	SS04
50	4885.081	Ti I	F91
15 c	4885.59	Rb II	R75
6	4887.013	Cr I	K53
100 r	4887.02	Pm I	RD67
25	4889.042	Ar II	N73
40 c,w	4889.14	Re I	MCS75
500	4891.07	Nd I	MCS75
300	4891.92	Tc I	BMC67
350 P,r	4892.52	Pm I	RD67
400 P	4896.77	Cl II	RK74
500 P	4896.93	Nd I	MCS75
50	4899.908	Ti I	F91
90	4899.92	La II	MCS75
6	4899.927	Ba II	KL99
20	4900.080	Er II	M64b
600 P	4900.118	Y II	NJK91
250	4901.53	Nd I	MCS75
400	4901.84	Nd I	MCS75
40	4903.066	Ru I	K59
7	4904.752	Ar II	N73
250 P	4904.776	Cl II	RK74
60	4904.88	Lu I	MCS75
300	4906.99	Pr I	MCS75
14	4907.18	Eu I	MCS75
40	4908.51	Tc I	BMC67
80	4909.57	Tc I	BMC67
700	4909.734	Cu II	R69
400	4910.400	Sm I	K35
15	4911.40	Eu I	MCS75
80 P	4911.6269	Zn II	GL00
400	4913.41	Nd I	MCS75
40	4913.615	Ti I	F91
400	4914.02	Pr I	MCS75
50	4916.51	Xe I	HM33
140 P	4917.731	Cl II	RK74
250	4918.986	Sm I	K35
60	4919.8157	Th II	PE83
50	4920.5029	Fe I	NJLT94
110	4920.98	La II	MCS75
110	4921.79	La II	MCS75
20	4921.931	He I	M60a
13	4922.276	Cr I	K53
50	4923.152	Xe I	HM33

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
120 P	4924.0132	Zn II	GL00
900 P	4924.53	Nd I	MCS75
500 P	4924.60	Pr I	MCS75
400	4930.62	Br II	K40
600	4931.698	Cu II	R69
350 P,r	4932.99	Pm I	RD67
12	4933.209	Ar II	N73
300 P	4934.077	Ba II	KL99
20	4934.115	Er II	M64b
40 P	4935.500	Yb I	MT78
400	4936.00	Pr I	MCS75
30 P	4939.01	Ho I	MZH78
800 P	4939.74	Pr I	MCS75
400	4940.30	Pr I	MCS75
110	4940.376	B II	O70
300	4942.02	K I	R56
300	4943.44	Ce I	MCS75
110	4943.53	P II	M59
500 P	4944.83	Nd I	MCS75
100	4945.59	Kr II	DHM33
500 P	4949.77	La I	MCS75
400	4950.82	K I	R56
1000 P	4951.37	Pr I	MCS75
400	4952.85	Cs II	S81
500	4953.724	Cu II	R69
600 P	4954.78	Nd I	MCS75
400	4956.15	K I	R56
14	4957.175	Tm I	SMC73
20	4957.347	Dy II	NG00
150	4957.5967	Fe I	NJLT94
300 h	4958.29	Es	WLGC74
500 P,r	4959.46	Pm I	RD67
120 P	4962.26	Sr I	MCS75
80	4963.98	N I	M75a
400	4965.03	K I	R56
70	4965.080	Ar II	N73
8	4966.902	Yb I	MT78
20 P	4967.94	Sr I	MCS75
5	4971.665	Li I	REB95
70 l	4971.71	Xe II	H39
10	4971.748	Li I	REB95
80	4972.60	Cs II	S81
130	4972.71	Xe II	H39
300	4975.75	Pr I	MCS75
250	4976.34	Tc I	BMC67
2	4978.541	Na I	R56
25	4979.97	Ho I	MCS75
500	4981.35	Tl II	ES36
700 P	4981.730	Ti I	F91
5	4982.813	Na I	R56
100	4988.77	Xe II	H39
20 l	4990.786	Am I	FT57
600 P	4991.066	Ti I	F91
30 l	4991.17	Xe II	H39
80	4992.024	Ni II	S70
20	4994.36	N II	M75a
400	4994.627	Ce I	BWCC91
60	4995.477	Cl II	RK74
1000 P,r	4997.10	Pm I	RD67
80	4999.47	La II	MCS75

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
500	4999.501	Ti I	F91
10 s	5000.21	Am I	FT57
30	5000.988	Ti I	F91
110	5001.14	Lu I	MCS75
30	5001.48	N II	M75a
40 P	5005.15	N II	M75a
50	5005.1587	Ne I	SS04
3	5005.416	Pb I	WA68
250	5005.60	K II	D26
500 P	5007.206	Ti I	F91
20	5007.234	Er I	M64b
30	5007.32	N II	M75a
600 P	5009.098	Ce I	M75c
15	5009.334	Ar II	N73
20	5009.77	Tm II	MCS75
20	5010.62	N II	M75a
15	5013.17	Eu I	MCS75
30	5013.281	Ti I	F91
400 P	5014.186	Ti I	F91
300	5014.275	Ti I	F91
150	5015.04	Gd I	MCS75
100	5015.678	He I	M60a
70	5016.160	Ti I	F91
25	5017.163	Ar II	N73
60	5017.2540	Th II	PE83
300	5018.59	Pr I	MCS75
500 P	5019.76	Pr I	MCS75
300	5019.971	Ca II	ER56
110	5020.024	Ti I	F91
200 l	5020.96	Am II	FT57
70	5022.40	Kr II	DHM33
110	5022.866	Ti I	F91
15	5022.91	Eu I	MCS75
70	5024.843	Ti I	F91
40	5025.569	Ti I	F91
500 P	5026.96	Pr I	MCS75
50	5027.3433	Ag II	KLLT01
50	5027.3841	U I	PKE80
20	5028.280	Xe I	HM33
10	5029.54	Eu I	MCS75
250	5033.38	Pr I	MCS75
20	5034.22	Tm II	MCS75
150	5035.902	Ti I	F91
110	5036.463	Ti I	F91
50	5037.7512	Ne I	SS04
15	5037.915	Li II	HM59
90	5038.396	Ti I	F91
150 P	5039.955	Ti I	F91
300	5040.846	Ce I	M75c
130 P	5041.026	Si II	S61b
20	5042.049	Er II	M64b
250 P	5042.58	Pb II	WRSH74
250	5043.80	Cs II	S81
300	5043.83	Pr I	MCS75
9	5044.04	Pt I	MCS75
250	5044.279	Sm I	K35
300 P,s	5044.66	Np I	FTBC76
70	5044.92	Xe II	H39
30	5045.10	N II	M75a
800 P	5045.52	Pr I	MCS75

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
70	5046.583	Zr I	J98
10	5047.74	He I	M60a
60	5049.7960	Th II	PE83
300	5050.57	La I	MCS75
600	5051.793	Cu II	R69
1000 s	5052.08	Es	WLGC74
90	5053.28	W I	MCS75
400	5053.40	Pr I	MCS75
130 P	5055.981	Si II	S61b
250	5056.27	K II	D26
250	5056.46	La I	MCS75
40	5057.340	Ru I	K59
1000 P,r	5058.31	Pm I	RD67
20	5059.48	Pt I	MCS75
15	5060.895	Tm I	SMC73
25	5062.037	Ar II	N73
11	5064.306	Sc I	AV77
200 P	5064.651	Ti I	F91
100	5064.904	Zr I	J98
200 P	5067.9737	Th I	PE83
4	5069.144	Yb I	MT78
25	5070.257	Sc I	AV77
50	5070.58	Pb II	WRSH74
300	5071.200	Sm I	K35
300	5071.775	Ce I	M75c
12	5074.34	Yb I	MT78
50	5074.53	Pb II	WRSH74
11	5075.820	Sc I	AV77
130	5078.252	Zr I	J98
140 P	5078.264	Cl II	RK74
800 P	5078.54	Tl II	ES36
50	5078.96	Nb I	MCS75
300	5080.62	Xe II	H39
90	5081.561	Sc I	AV77
50	5083.721	Sc I	AV77
400	5084.23	K I	R56
50	5085.549	Sc I	AV77
500 P,h	5085.822	Cd I	BA56
80	5086.52	Kr II	DHM33
500 P	5087.12	Pr I	MCS75
15	5087.123	Sc I	AV77
700 P	5087.418	Y II	NJK91
12	5089.930	Sc I	AV77
7	5090.495	Ar II	N73
400 r	5094.83	Pm I	RD67
25	5095.30	Nb I	MCS75
300	5096.28	Tc I	BMC67
15	5096.721	Sc I	AV77
400	5097.17	K I	R56
400	5099.20	K I	R56
25	5099.274	Sc I	AV77
300 r	5100.77	Pm I	RD67
15	5101.119	Sc I	AV77
100 s	5102.93	Es	WLGC74
200 P	5103.45	Gd I	MCS75
150 P	5105.54	Cu I	S48
300	5106.23	La I	MCS75
70	5110.384	Pr II	G90
110	5110.763	Pr II	G90
50	5111.64	Pb II	WRSH74

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
500	5112.25	K I	R56
400	5112.703	Ce I	M75c
25	5113.439	Ti I	F91
15	5114.37	Eu I	MCS75
14	5116.648	Sc I	AV77
300	5117.162	Sm I	K35
1000 l	5118.24	Bk I	WC78
130 P	5119.29	I I	KC59
30	5120.415	Ti I	F91
15 c	5120.80	In II	PC38
11 w	5121.75	In II	PC38
200	5122.136	Sm I	K35
100	5122.42	Xe II	H39
500 P,h	5124.356	Bi II	DLW02
30	5125.70	Xe II	H39
130 h	5125.73	Kr II	DHM33
1000 P,r	5127.34	Pm I	RD67
12 c	5128.442	Hg II	SR01
15	5129.10	Eu I	MCS75
80	5129.536	Pr II	G90
500	5129.569	Ce I	M75c
130	5130.60	Nd II	MCS75
700 P	5133.44	Pr I	MCS75
20	5133.52	Eu I	MCS75
400 P	5135.09	Lu I	MCS75
20	5135.199	Y I	P77
1000 s	5135.53	Bk II	WC78
50	5136.558	Ru I	K59
250	5139.81	Pr I	MCS75
30	5141.783	Ar II	N73
600 P,h	5144.492	Bi II	DLW02
50	5144.9384	Ne I	SS04
300	5145.16	C II	MG93
25	5145.308	Ar II	N73
600 P	5145.42	La I	MCS75
30	5145.459	Ti I	F91
700 P,r	5146.30	Pm I	RD67
30	5147.477	Ti I	F91
1	5148.838	Na I	R56
250	5149.993	Ce I	BWCC91
200	5151.09	C II	MG93
110 P	5152.08	Rb II	R75
800 P	5152.14	Tl II	ES36
25	5152.184	Ti I	F91
200 P	5153.24	Cu I	S48
1	5153.402	Na I	R56
400	5153.86	Pm II	RCWM80
50	5155.140	Ru I	K59
200 P	5155.84	Gd I	MCS75
130 P	5156.56	Ta I	MCS75
140	5158.6041	Th I	PE83
400	5158.69	La I	MCS75
800 P	5159.686	Ce I	M75c
25	5160.07	Eu I	MCS75
15	5160.33	Nb I	MCS75
120	5160.7309	Th I	PE83
150 P,c	5161.20	I II	MC60
800 P	5161.484	Ce I	M75c
1000 P,s	5161.74	Es I	WLGC74
150	5161.81	Tc I	BMC67

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
15	5164.38	Nb I	MCS75
15	5164.767	Er II	M64b
8	5165.773	Ar II	N73
20	5166.70	Eu I	MCS75
12 P	5167.322	Mg I	KM91a
250	5167.4883	Fe I	NJLT94
300	5169.71	Pm II	RCWM80
1000	5170.61	Bk I	WC78
80	5171.026	Ru I	K59
500	5171.58	Pm II	RCWM80
50	5171.5962	Fe I	NJLT94
40 P	5172.684	Mg I	KM91a
140 P	5173.740	Ti I	F91
120	5173.905	Pr II	G90
1000	5173.96	Cf I	RCWM80
500	5174.554	Ce I	M75c
150	5174.81	Tc I	BMC67
300	5175.419	Sm I	K35
13 c	5175.42	In II	PC38
800 P	5177.31	La I	MCS75
30	5178.82	Xe II	H39
1000	5179.08	Cf I	RCWM80
100	5181.86	Hf I	MCS75
500	5182.36	Br II	K40
90	5183.42	La II	MCS75
70 P	5183.604	Mg I	KM91a
110	5187.459	Ce II	C73
1	5187.746	Ar I	N73
100	5188.04	Xe II	H39
500	5188.848	Ca I	R68
15	5188.898	Er II	M64b
130	5191.37	Xe II	H39
90	5191.45	Nd II	MCS75
30	5192.10	Xe II	H39
120	5192.62	Nd II	MCS75
25 h	5192.86	Si II	S61b
150 P	5192.969	Ti I	F91
300	5194.05	Pm II	RCWM80
300	5194.43	Pr I	MCS75
1000	5197.55	Bk I	WC78
90	5197.77	Gd I	MCS75
150	5199.1637	Th I	PE83
20	5199.85	Eu I	MCS75
300	5200.409	Y II	NJK91
10	5200.96	Eu I	MCS75
1	5201.437	Pb I	WA68
70 h	5202.41	Si II	S61b
9	5202.63	Os I	MCS75
1000 P,l	5204.40	Es I	WLGC74
250 P	5204.505	Cr I	K53
15	5204.768	Hg II	SR01
500 P	5205.722	Y II	NJK91
400 P	5206.021	Cr I	K53
11	5206.44	Eu I	MCS75
70	5206.561	Pr II	G90
500	5208.09	Pm II	RCWM80
150	5208.32	Kr II	DHM33
600 P	5208.415	Cr I	K53
90 P	5209.078	Ag I	PZ01
800 P,h	5209.325	Bi II	DLW02

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
70 c	5209.58	Cs II	S81
200 P	5210.384	Ti I	F91
15	5210.547	Sc I	AV77
5	5211.604	Yb I	MT78
1000 P	5211.86	La I	MCS75
500	5211.877	Ce I	BWCC91
1000 P	5212.53	Bk I	WC78
300	5213.23	Nd I	MCS75
70 P	5215.10	Eu I	MCS75
40 l	5215.99	Am II	FT57
7	5216.814	Ar II	N73
300 P	5217.94	Cl II	RK74
250 P	5218.20	Cu I	S48
70	5219.048	Pr II	G90
1000	5219.24	Cf I	RCWM80
12	5219.634	Sc I	AV77
500	5219.65	Ga II	IL85
110	5220.108	Pr II	G90
130 P	5221.355	Cl II	RK74
20	5222.20	Sr I	MCS75
700 P	5223.461	Ce I	M75c
25	5223.49	Eu I	MCS75
30	5224.304	Ti I	F91
90	5224.66	W I	MCS75
25	5224.933	Ti I	F91
30	5225.11	Sr I	MCS75
800 P	5227.04	Cs II	S81
100	5227.1509	Fe I	NJLT94
1000 P	5227.533	Se II	G62
25	5227.66	Pt I	MCS75
300	5227.97	Pr I	MCS75
40	5228.12	Tb I	MCS75
30	5229.27	Sr I	MCS75
500	5229.745	Ce I	M75c
25	5230.259	Au I	ED71
200 P	5231.1597	Th I	PE83
700 P	5234.27	La I	MCS75
500	5236.26	Pm II	RCWM80
300	5236.66	Pm II	RCWM80
15	5238.206	Mo I	WB88
500	5238.26	Br II	K40
40	5238.55	Sr I	MCS75
11	5239.24	Eu I	MCS75
20	5240.800	Y I	P77
6	5244.11	Yb I	MT78
150 c	5245.71	I II	MC60
700 P	5245.916	Ce I	M75c
400	5246.33	Pm II	RCWM80
14	5247.58	Cr I	K53
300	5249.38	Cs II	S81
130	5249.59	Nd II	MCS75
70	5251.18	Gd I	MCS75
500	5253.46	La I	MCS75
70 P	5256.90	Sr I	MCS75
300 P	5258.24	Ac I	MFT57
12	5258.364	Sc I	AV77
130	5259.737	Pr II	G90
150	5260.44	Xe II	H39
150	5261.95	Xe II	H39
25	5264.16	Cr I	K53

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
500	5265.557	Ca I	R68
9	5265.73	Cr I	K53
20	5266.40	Eu I	MCS75
120	5269.5376	Fe I	NJLT94
500	5270.270	Ca I	R68
60	5270.28	Be II	J61a
80	5270.3564	Fe I	NJLT94
400 h	5270.512	Bi II	DLW02
500	5270.64	Pm II	RCWM80
100 P	5270.81	Be II	J61a
25	5270.95	Re I	MCS75
500	5271.19	La I	MCS75
250	5271.403	Sm I	K35
15	5271.53	Nb I	MCS75
1000 P	5271.95	Bk I	WC78
40	5271.96	Eu I	MCS75
10	5272.48	Eu I	MCS75
110	5273.43	Nd II	MCS75
110	5274.05	Cs II	S81
100	5274.230	Ce II	C73
80	5275.51	Tc I	BMC67
30 c,w	5275.56	Re I	MCS75
8 h	5277.04	Yb I	MT78
1000 b,s	5279.01	Cf I	RCWM80
14	5282.82	Eu I	MCS75
70	5285.07	Tc I	BMC67
11	5291.26	Eu I	MCS75
200	5291.67	Nd I	MCS75
70 c	5292.024	Pr II	G90
700 P	5292.22	Xe II	H39
150	5292.52	Cu I	S48
70	5292.620	Pr II	G90
130	5293.17	Nd II	MCS75
11	5294.64	Eu I	MCS75
80	5296.13	P II	M59
400	5296.563	Ce I	M75c
15	5296.69	Cr I	K53
30	5298.29	Cr I	K53
25	5301.02	Pt I	MCS75
800	5305.347	Se II	G62
60 P	5307.116	Tm I	SMC73
70	5308.66	Kr II	DHM33
100	5309.27	Xe II	H39
300	5313.87	Xe II	H39
15	5318.60	Nb I	MCS75
90	5319.82	Nd II	MCS75
1000 s	5320.09	Cf I	RCWM80
50	5320.20	Tc I	BMC67
80	5322.772	Pr II	G90
500	5323.28	K I	R56
80	5328.0386	Fe I	NJLT94
400	5328.082	Ce I	M75c
15	5328.36	Cr I	K53
30	5328.5317	Fe I	NJLT94
60	5330.7775	Ne I	SS04
500	5332.07	Br II	K40
30 P	5332.339	Sn II	B64
150	5333.41	Kr II	DHM33
9	5335.15	Yb II	M67
1000	5337.48	Cd II	SP49

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
500 P	5338.22	I II	MC60
1000 s	5339.13	Cf I	RCWM80
700	5339.33	Xe II	H39
500	5339.69	K I	R56
50	5341.0239	Fe I	NJLT94
100	5341.0938	Ne I	SS04
500	5342.97	K I	R56
60	5343.2834	Ne I	SS04
100	5343.5812	Th I	PE83
30	5344.17	Nb I	MCS75
250 P,c	5345.15	I II	MC60
40	5345.77	Cr I	K53
20	5348.30	Cr I	K53
100 c	5349.13	Cs II	S81
15	5349.342	Sc I	AV77
500	5349.472	Ca I	R68
900 P	5350.46	Tl I	MCS75
20	5350.74	Nb I	MCS75
8	5352.95	Yb II	M67
14	5354.40	Rh I	MCS75
50 P	5354.88	Tb I	MCS75
25	5356.097	Sc I	AV77
50 P	5357.61	Eu I	MCS75
600	5359.57	K I	R56
20	5360.513	Mo I	WB88
11	5361.61	Eu I	MCS75
70	5363.20	Xe II	H39
50	5367.64	Pb II	WRSH74
70	5368.07	Xe II	H39
8	5368.99	Pt I	MCS75
200	5370.99	Cs II	S81
40	5371.4897	Fe I	NJLT94
50	5372.099	Pb II	WRSH74
150	5372.39	Xe II	H39
12	5375.373	Sc I	AV77
10	5376.94	Eu I	MCS75
1000	5378.13	Cd II	SP49
150	5380.34	C I	J66
1000 P	5380.98	Np II	FTBC76
200	5381.89	Cd II	SP49
500 d	5384.85	Tl II	ES36
8	5390.79	Pt I	MCS75
1000	5392.03	Bk I	WC78
15	5392.058	Sc I	AV77
80 P	5392.119	Cl II	RK74
10	5392.80	Xe I	HM33
11	5392.94	Eu I	MCS75
1000	5394.24	Bk I	WC78
30	5397.1279	Fe I	NJLT94
400	5397.638	Ce I	M75c
200	5400.23	Ra I	R34b
200 P	5400.5618	Ne I	SS04
70	5402.57	Lu I	MCS75
100 s	5402.62	Am I	FT57
40	5402.77	Eu I	MCS75
200	5406.81	Ra I	R34b
1000 P	5408.88	Cf I	RCWM80
70	5409.78	Cr I	K53
5 c	5411.52	He II	GM65
50	5414.55	Na II	W71

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
500	5416.36	Ga II	IL85
1000 P	5419.15	Xe II	H39
300	5420.380	Ce I	BWCC91
600 P	5423.23	Cl II	RK74
60	5423.507	Cl II	RK74
100 s	5424.70	Am I	FT57
80 P	5425.253	Hg II	SR01
80	5425.91	P II	M59
140 P	5428.667	S II	KM93
1	5431.532	Rb I	B59
250 P	5432.815	S II	KM93
150	5435.83	I II	MC60
12 w	5436.70	In II	PC38
20	5438.226	Y I	P77
250	5438.96	Xe II	H39
110 P	5443.37	Cl II	RK74
60	5444.205	Cl II	RK74
100	5445.45	Xe II	H39
12	5446.195	Sc I	AV77
400	5449.239	Ce I	BWCC91
1000	5449.63	Bk I	WC78
70	5450.45	Xe II	H39
80	5450.74	P II	M59
25	5450.84	Sr I	MCS75
30	5451.51	Eu I	MCS75
25	5452.94	Eu I	MCS75
400 P	5453.828	S II	KM93
700 P	5455.15	La I	MCS75
30	5457.022	Cl II	RK74
130	5460.39	Xe II	H39
500 P	5460.735	Hg I	BAL50
100 P,c	5464.62	I II	MC60
90 P	5465.497	Ag I	PZ01
1 c	5465.94	Cs I	K62b
70 h	5466.432	Si II	S61b
70	5466.466	Y I	P77
70 h	5466.868	Si II	S61b
1000 l	5467.47	Bk I	WC78
70	5468.17	Kr II	DHM33
9	5471.555	Ag I	PZ01
300	5472.61	Xe II	H39
150 P	5473.620	S II	KM93
9	5475.77	Pt I	MCS75
120 P	5476.69	Lu II	MCS75
9	5478.50	Pt I	MCS75
110 P	5480.84	Sr I	MCS75
30	5482.012	Sc I	AV77
300 P	5483.56	Li II	HM59
500 P	5484.50	Li II	HM59
1000 s	5484.58	Bk I	WC78
25	5484.628	Sc I	AV77
400 P	5485.11	Li II	HM59
11	5488.65	Eu I	MCS75
30 l	5494.86	Xe II	H39
1	5495.874	Ar I	N73
25 h	5496.45	Si II	S61b
700 P	5501.34	La I	MCS75
1	5502.88	Cs I	K62b
30	5503.464	Y I	P77
50	5504.17	Sr I	MCS75

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
250 P	5506.494	Mo I	WB88
500	5506.72	Br II	K40
150 P	5509.718	S II	KM93
11	5510.52	Eu I	MCS75
70	5512.049	Ce II	C73
1000	5512.22	Bk II	WC78
40	5512.523	Ti I	F91
20 c	5513.00	In II	PC38
25	5514.230	Sc I	AV77
30	5514.343	Ti I	F91
40	5514.531	Ti I	F91
30	5520.519	Sc I	AV77
40	5521.83	Sr I	MCS75
60	5522.78	Rb II	R75
14 w	5523.28	In II	PC38
9	5523.53	Os I	MCS75
70	5525.53	Xe II	H39
25	5526.785	Sc II	JL80
70	5527.561	Y I	P77
200	5531.07	Xe II	H39
120	5531.16	Pr I	MCS75
200 P	5533.031	Mo I	WB88
30	5534.81	Sr I	MCS75
1000 P	5535.481	Ba I	KL99
1000 l	5537.93	Bk I	WC78
5 h	5539.053	Yb I	MT78
30	5540.05	Sr I	MCS75
50 c	5544.25	Pb II	WRSH74
800 P	5546.08	Pm II	RCWM80
20	5547.44	Eu I	MCS75
100	5550.60	Hf I	MCS75
100	5552.12	Hf I	MCS75
200	5555.85	Ra I	R34b
300	5556.252	Ce I	BWCC91
130 P	5556.466	Yb I	MT78
1000 l	5556.80	Bk I	WC78
1000 s	5557.09	Bk I	WC78
1	5558.702	Ar I	N73
30 P	5561.910	Sn II	B64
120 c	5562.06	Pr I	MCS75
80	5562.2253	Kr I	K93
50	5562.7662	Ne I	SS04
400	5563.02	Cs II	S81
500	5564.966	Ce I	M75c
400	5565.965	Ce I	M75c
10	5566.62	Xe I	HM33
400 P	5568.12	Sb II	C66b
200	5569.26	Ac I	MFT57
300 P	5570.2894	Kr I	K93
14	5570.33	Eu I	MCS75
90 P	5570.444	Mo I	WB88
800 P	5576.02	Pm II	RCWM80
800	5576.35	Te II	HM64
20 h	5576.66	Si II	S61b
13 c	5576.90	In II	PC38
20	5577.14	Eu I	MCS75
20	5577.416	Y I	P77
11	5580.03	Eu I	MCS75
13	5580.3873	Kr I	K93
1000	5581.21	Bk I	WC78

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
60	5581.874	Y I	P77
500	5581.971	Ca I	R68
200 l	5584.21	Am II	FT57
100	5587.0263	Th I	PE83
500 P	5588.757	Ca I	R68
30 P	5588.815	Sn II	B64
300 c	5589.02	Tc I	BMC67
500	5590.120	Ca I	R68
400	5593.302	Al II	KM91b
500	5594.468	Ca I	R68
250	5595.875	Ce I	BWCC91
100 s	5598.13	Am I	FT57
500	5598.487	Ca I	R68
15	5599.42	Rh I	MCS75
600 P	5601.280	Ce I	M75c
150 P	5606.151	S II	KM93
1	5606.733	Ar I	N73
100 P,c	5608.85	Pb II	WRSH74
300 P,l	5615.51	Es I	WLGC74
100	5616.67	Xe II	H39
200 c	5620.45	Tc I	BMC67
400	5620.54	Nd I	MCS75
500 P	5625.69	I II	MC60
30	5627.631	V I	DA78
60	5630.138	Y I	P77
25	5631.406	Tm I	SMC73
60	5631.676	Sn I	B64
11	5632.463	Mo I	WB88
2	5635.21	Cs I	K62b
60 c	5635.99	Rb II	R75
25	5636.233	Ru I	K59
11 w	5636.70	In II	PC38
25 h	5639.48	Si II	S61b
200	5639.77	Sb II	C66b
150 P	5639.972	S II	KM93
150	5642.13	Tc I	BMC67
30	5644.132	Ti I	F91
80	5644.94	Tc I	BMC67
20	5645.80	Eu I	MCS75
300	5648.25	La I	MCS75
800 P	5649.26	Te II	HM64
15	5649.5618	Kr I	K93
1	5650.704	Ar I	N73
500	5655.140	Ce I	M75c
1000 l	5656.54	Bk I	WC78
50	5656.6588	Ne I	SS04
1000 P	5659.03	Bk I	WC78
100	5659.38	Xe II	H39
120	5659.985	S II	KM93
20 h	5660.66	Si II	S61b
500 P	5660.81	Ra I	R34b
90 h	5661.57	Pr I	MCS75
25	5662.147	Ti I	F91
3 c	5664.02	Cs I	K62b
500	5666.20	Te II	HM64
30	5666.63	N II	M75a
9	5667.34	Ag I	S40
200	5667.56	Xe II	H39
150 c	5668.46	Pr I	MCS75
130 P,h	5669.562	Si II	S61b

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
600 P	5669.959	Ce I	M75c
25	5670.847	V I	DA78
50	5670.91	Xe II	H39
70	5671.828	Sc I	AV77
50 P	5675.835	Tm I	SMC73
250 d	5675.97	Nd I	MCS75
30	5676.02	N II	M75a
200 P	5677.105	Hg II	SR01
300	5677.752	Ce I	BWCC91
40 P	5679.56	N II	M75a
130	5681.89	Kr II	DHM33
4	5682.633	Na I	R56
60	5684.484	Si I	RA65
20	5686.21	N II	M75a
50	5686.856	Sc I	AV77
1	5688.193	Na I	R56
7	5688.205	Na I	R56
40 h	5688.81	Si II	S61b
15	5689.146	Mo I	WB88
70 h	5690.35	Kr II	DHM33
100 c	5690.91	I II	MC60
300	5692.943	Ce I	BWCC91
10	5695.75	Xe I	HM33
80	5696.22	Gd I	MCS75
800 P	5696.993	Ce I	M75c
100	5698.529	V I	DA78
30 d	5699.15	Rb II	R75
1000 P	5699.226	Ce I	M75c
70	5699.61	Xe II	H39
50	5700.186	Sc I	AV77
150	5700.24	Cu I	S48
25 h	5701.37	Si II	S61b
1000	5702.24	Bk I	WC78
80	5703.586	V I	DA78
15	5706.714	Y I	P77
50	5706.997	V I	DA78
150	5707.61	Pr I	MCS75
1000 P	5708.12	Te II	HM64
80	5708.397	Si I	RA65
3	5709.91	In I	P38
200 c	5710.53	I II	MC60
20	5710.77	N II	M75a
5	5711.088	Mg I	KM91a
40	5711.793	Sc I	AV77
500	5712.382	Pu I	BFG84
70	5716.10	Xe II	H39
10	5717.314	Sc I	AV77
600 P	5719.031	Ce I	M75c
400 h	5719.138	Bi II	DLW02
50	5719.2248	Ne I	SS04
12	5719.99	Yb I	MT78
6	5721.93	Os I	MCS75
1	5724.121	Rb I	B59
70	5725.31	Tc I	BMC67
1000	5726.05	Cf I	RCWM80
150	5726.91	Xe II	H39
70	5727.046	V I	DA78
3	5727.68	In I	P38
200	5729.29	Nd I	MCS75
20	5731.248	V I	DA78

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
70 l	5732.05	Ac II	MFT57
70	5736.55	Lu I	MCS75
20	5737.065	V I	DA78
250	5740.66	La I	MCS75
50	5748.2985	Ne I	SS04
150	5751.03	Xe II	H39
20	5751.409	Mo I	WB88
150	5752.50	N I	M75a
800	5755.85	Te II	HM64
100	5758.65	Xe II	H39
130	5758.97	Ac II	MFT57
120 P	5760.5508	Th I	PE83
20	5762.801	Er I	M64b
4	5763.57	Pt I	MCS75
20	5764.287	Tm I	SMC73
70	5764.4188	Ne I	SS04
30	5765.20	Eu I	MCS75
500	5769.34	La I	MCS75
50	5769.598	Hg I	BAL50
400	5773.122	Ce I	BWCC91
100	5776.39	Xe II	H39
80	5777.619	Ba I	KL99
250	5779.28	Pr I	MCS75
6	5780.82	Os I	MCS75
150	5782.13	Cu I	S48
600	5782.38	K I	R56
15	5783.69	Eu I	MCS75
300	5788.143	Ce I	BWCC91
400	5789.24	La I	MCS75
60	5790.663	Hg I	BAL50
9 H	5791.00	Cr I	K53
600 P	5791.34	La I	MCS75
20	5791.839	Mo I	WB88
30 P	5798.860	Sn II	B64
25 h	5800.47	Si II	S61b
700	5801.75	K I	R56
50	5804.4496	Ne I	SS04
30	5806.74	Si II	S61b
600	5812.15	K I	R56
300	5812.919	Ce I	M75c
100	5813.63	Ra II	R34a
50	5814.16	Cs II	S81
30	5815.96	Xe II	H39
50	5820.1558	Ne I	SS04
30	5823.89	Xe I	HM33
500	5823.93	Pm II	RCWM80
15	5824.80	Xe I	HM33
30 P	5826.786	Er I	M64b
50 P,c,w	5830.98	Eu I	MCS75
250	5831.14	Cs II	S81
700	5831.89	K I	R56
15	5832.8566	Kr I	K93
10	5834.31	Re I	MCS75
110	5835.13	Pr I	MCS75
25	5837.374	Au I	ED71
1 c	5838.83	Cs I	K62b
13	5840.12	Pt I	MCS75
5	5844.84	Pt I	MCS75
5	5845.14	Cs I	K62b
1000	5846.07	Cm I	WHGC76

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
200 P	5852.4879	Ne I	SS04
12 c	5853.15	In II	PC38
40	5853.675	Ba II	KL99
600	5857.452	Ca I	R68
20	5858.267	Mo I	WB88
250	5862.491	Ce I	BWCC91
50	5866.448	Ti I	F91
50 h	5868.40	Si II	S61b
300 c	5868.79	Pm II	RCWM80
500 P	5870.9160	Kr I	K93
12	5871.279	Hg II	SR01
50	5872.8275	Ne I	SS04
90	5874.72	Pr I	MCS75
10	5875.02	Xe I	HM33
500 P	5875.6148	He I	M02
250 P	5875.6404	He I	M02
120 P	5875.9663	He I	M02
90	5877.36	Ta I	MCS75
300 P,l	5878.04	Np I	FTBC76
90	5878.10	Pr I	MCS75
90	5879.04	Pr I	MCS75
100	5881.8952	Ne I	SS04
90 c	5884.72	Pr I	MCS75
30	5888.310	Mo I	WB88
1	5888.584	Ar I	N73
20 c	5888.939	Hg II	SR01
300	5889.77	C II	MG93
1000 P	5889.950	Na I	R56
100	5893.29	Xe II	H39
1000 P	5893.389	Ge II	S63a
100	5894.3607	Zn II	GL00
10	5894.99	Xe I	HM33
6	5895.624	Pb I	WA68
500 P	5895.924	Na I	R56
30	5899.291	Ti I	F91
5	5902.4623	Ne I	SS04
25 w	5903.4	In II	PC38
70	5905.13	Xe II	H39
5	5906.4294	Ne I	SS04
1000 P	5910.71	Bk I	WC78
300 P	5910.85	Ac II	MFT57
1	5912.085	Ar I	N73
25	5915.22	Si II	S61b
70 P	5915.385	U I	PKE80
14 w	5915.4	In II	PC38
110	5920.76	Pr I	MCS75
100 c	5924.47	Tc I	BMC67
500	5925.63	Cs II	S81
150	5926.301	Ce I	BWCC91
200	5928.342	Ce I	BWCC91
400	5930.62	La I	MCS75
30	5931.78	N II	M75a
60 c	5931.93	Tc I	BMC67
10	5934.17	Xe I	HM33
250	5937.720	Ce I	BWCC91
600 P	5940.857	Ce I	M75c
30 P	5941.65	N II	M75a
90	5944.02	Ta I	MCS75
50	5944.8342	Ne I	SS04
150	5945.53	Xe II	H39

Finding List—Continued

Intensity		Wavelength (Å)	Spectrum	Ref
400	c	5946.49	Pm II	RCWM80
50	P	5948.545	Si I	RA65
800	P	5949.48	Tl II	ES36
250		5950.25	I II	MC60
1000	P	5952.41	Cm I	WHGC76
40		5953.156	Ti I	F91
150		5956.42	Pm I	RCWM80
25	h	5956.965	Au I	ED71
80		5957.561	Si II	S61b
50		5965.4710	Ne I	SS04
25		5965.824	Ti I	F91
6		5966.07	Eu II	MCS75
40	c,w	5967.10	Eu I	MCS75
100		5971.13	Xe II	H39
14		5971.264	Tm I	SMC73
15		5972.75	Eu I	MCS75
50		5974.6273	Ne I	SS04
500		5974.68	Te II	HM64
60		5975.5340	Ne I	SS04
700	P	5976.46	Xe II	H39
30		5978.538	Ti I	F91
80		5978.929	Si II	S61b
25	P,c	5982.85	Ho I	MZH78
14		5983.60	Rh I	MCS75
110		5986.14	Pr I	MCS75
120*	c	5987.14	Pr I	MCS75
120*	c	5987.29	Pr II	MCS75
15		5987.9074	Ne I	SS04
70		5992.22	Kr II	DHM33
20		5992.83	Eu I	MCS75
10		5993.8502	Kr I	K93
80		5997.087	Ba I	KL99
40		5999.008	Ti I	F91
400		6000.120	Cu II	R69
5		6001.862	Pb I	WA68
150		6001.901	Ce I	M75c
200	P	6004.52	Lu I	MCS75
500	P	6005.57	Sb II	C66b
150		6005.861	Ce I	BWCC91
400		6006.410	Al II	KM91b
150		6006.817	Ce I	BWCC91
70		6008.92	Xe II	H39
10	c	6010.49	Cs I	K62b
10		6012.56	Eu I	MCS75
150		6013.22	C I	J66
200		6013.419	Ce I	BWCC91
40		6018.15	Eu I	MCS75
500	P	6021.041	Ge II	S63a
11		6021.787	Mn I	CMG64
110	P	6024.18	P II	M59
300		6024.193	Ce I	BWCC91
100		6024.271	Y I	P77
4		6026.04	Pt I	MCS75
15		6029.00	Eu I	MCS75
100	P	6029.9969	Ne I	SS04
40		6030.645	Mo I	WB88
2		6032.127	Ar I	N73
80		6034.04	P II	M59
1		6034.09	Cs I	K62b
300	l	6035.78	Pa I	BW92b

Finding List—Continued

Intensity		Wavelength (Å)	Spectrum	Ref
300		6036.20	Xe II	H39
40		6039.728	V I	DA78
110	P	6043.12	P II	M59
1		6043.223	Ar I	N73
30		6043.378	Ce II	C73
100		6043.39	Pm I	RCWM80
100		6045.39	Ta I	MCS75
150		6047.397	Ce I	BWCC91
90		6049.26	Pr I	MCS75
7		6049.51	Eu II	MCS75
700	P	6051.15	Xe II	H39
1000	P,l	6054.64	Am I	FT57
30		6054.674	Sn I	B64
60		6055.03	Lu I	MCS75
400		6055.13	Pr I	MCS75
1000	P	6055.84	Se II	G62
10		6056.1263	Kr I	K93
13		6057.36	Eu I	MCS75
90		6057.995	Ce I	M75c
1000		6058.90	Cm I	WHGC76
1		6059.372	Ar I	N73
50		6069.06	Pm I	RCWM80
40		6069.117	Sn I	B64
90		6069.484	Ce I	M75c
1		6070.755	Rb I	B59
90		6072.006	Ce I	BWCC91
400		6073.198	Al II	KM91b
100	P	6074.3377	Ne I	SS04
100	c	6074.98	I II	MC60
200	P	6075.74	Pb II	WRSH74
200		6079.67	Sb II	C66b
110		6080.44	B II	O70
200	P	6081.409	Pb II	WRSH74
40		6081.440	V I	DA78
20		6083.84	Eu I	MCS75
80		6085.23	Tc I	BMC67
70		6087.82	P II	M59
110	P	6090.208	V I	DA78
90		6093.192	Ce I	M75c
200		6093.50	Xe II	H39
14	c	6095.95	In II	PC38
30		6096.1631	Ne I	SS04
500	P	6097.59	Xe II	H39
150		6099.142	Cd I	BA56
20		6099.35	Eu I	MCS75
300	P	6100.21	Pm I	RCWM80
130		6101.43	Xe II	H39
500	P	6102.722	Ca I	R68
300	P	6103.542	Li I	REB95
400*	P	6103.654	Li I	REB95
400*		6103.667	Li I	REB95
12	c	6108.66	In II	PC38
250		6110.783	Ba I	KL99
25		6111.650	V I	DA78
90		6114.07	Gd I	MCS75
30		6114.923	Ar II	N73
30		6115.08	Xe II	H39
11		6118.78	Eu I	MCS75
50		6119.528	V I	DA78
250		6120.27	K II	D26

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
100	6120.68	Tc I	BMC67
600 P	6122.219	Ca I	R68
120	6123.673	Ce I	BWCC91
200 P	6127.457	Zr I	J98
100 c	6127.49	I II	MC60
10	6128.4499	Ne I	SS04
100	6128.61	Cs II	S81
13 w	6128.7	In II	PC38
13 w	6129.4	In II	PC38
300 P	6130.00	Sb II	C66b
100	6130.80	Tc I	BMC67
20 w	6132.1	In II	PC38
25	6135.363	V I	DA78
300 P	6141.713	Ba II	KL99
100 P	6143.0626	Ne I	SS04
130	6143.201	Zr I	J98
15	6146.435	Hg II	SR01
30	6146.45	Xe II	H39
150*	6148.23	Pr I	MCS75
150*	6148.24	Pr II	MCS75
500	6148.60	Br I	T63
250 P,c	6149.475	Hg II	SR01
40	6149.604	Sn I	B64
400	6150.384	Cu II	R69
200 h	6151.76	Pm I	RCWM80
500	6154.222	Cu II	R69
2	6154.225	Na I	R56
20	6154.446	Sn I	B64
40	6155.134	Si I	RA65
130	6155.98	O I	M75b
150	6156.77	O I	M75b
150	6158.18	O I	M75b
50	6159.89	Pb II	S75
3	6160.747	Na I	R56
600 P	6162.172	Ca I	R68
300	6162.56	Pa I	BW92b
100 P	6163.5939	Ne I	SS04
200 l	6164.75	Ac II	MFT57
70	6165.59	P II	M59
30 l	6167.83	Ac II	MFT57
500	6169.055	Ca I	R68
600	6169.559	Ca I	R68
100 P	6169.8221	Th I	PE83
500	6170.27	As II	LA71
50	6172.278	Ar II	N73
6	6173.05	Eu II	MCS75
15	6178.30	Xe I	HM33
10	6178.76	Eu I	MCS75
12	6179.66	Xe I	HM33
15	6182.1460	Ne I	SS04
30	6182.42	Xe I	HM33
80	6182.6217	Th I	PE83
400 h	6183.42	Al II	KM91b
90	6186.173	Ce I	BWCC91
25 c,w	6188.13	Eu I	MCS75
120	6191.720	Y I	P77
80	6192.66	Tc I	BMC67
500	6192.798	Pu I	BFG84
150	6194.07	Xe II	H39
13	6195.07	Eu I	MCS75

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
10	6198.26	Xe I	HM33
60	6199.024	P I	S80
11 c	6199.08	Rb II	R75
40	6199.191	V I	DA78
300 P	6200.30	Ra I	R34b
400	6201.463	Al II	KM91b
1 c	6206.309	Rb I	B59
90	6208.985	Ce I	BWCC91
25	6210.66	Sc I	AV77
15	6213.10	Cs I	K62b
40	6214.5778	Zn II	GL00
300	6216.35	Pa I	BW92b
40	6216.370	V I	DA78
500	6216.939	Cu II	R69
100 P	6217.2812	Ne I	SS04
3	6217.60	Cs I	K62b
500	6219.844	Cu II	R69
25 P	6221.019	Er I	M64b
120 P	6221.87	Lu II	MCS75
30	6222.579	Y I	P77
15 w	6228.3	In II	PC38
90	6228.936	Ce I	M75c
50	6229.64	Pm I	RCWM80
40	6230.803	V I	DA78
40	6237.320	Si I	RA65
130 P	6239.651	F I	L49
14	6239.80	Sc I	AV77
100	6242.83	Ac II	MFT57
60	6243.110	V I	DA78
8	6243.120	Ar II	N73
1000	6243.35	Cm I	WHGC76
400 P	6243.36	Al II	KM91b
30	6243.813	Si I	RA65
60 c	6244.18	Tc I	BMC67
30	6244.468	Si I	RA65
50	6247.56	Fe II	RMW44
1000 P	6249.93	La I	MCS75
25	6251.823	V I	DA78
40	6254.188	Si I	RA65
50	6258.099	Ti I	F91
50	6258.705	Ti I	F91
11	6258.90	Sc I	AV77
15	6259.087	Dy I	NG00
40	6261.096	Ti I	F91
20	6262.25	Eu I	MCS75
100 P	6266.4950	Ne I	SS04
150	6270.82	Xe II	H39
13	6272.024	Ce II	C73
700	6273.349	Cu II	R69
130	6277.54	Xe II	H39
50 P	6278.170	Au I	ED71
30	6284.41	Xe II	H39
10	6286.01	Xe I	HM33
100	6286.06	Pm I	RCWM80
90	6295.574	Ce I	BWCC91
1 c	6298.325	Rb I	B59
15	6299.77	Eu I	MCS75
80	6300.86	Xe II	H39
600	6301.009	Cu II	R69
4	6303.41	Eu II	MCS75

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
800 P	6304.661	Pu I	BFG84
10	6304.7889	Ne I	SS04
15 w	6304.8	In II	PC38
30	6305.65	Sc I	AV77
250	6307.29	K II	D26
50	6308.29	Pm I	RCWM80
90	6310.013	Ce I	BWCC91
50	6318.06	Xe I	HM33
5	6318.37	Pt I	MCS75
120 c	6322.36	Pr I	MCS75
100	6323.84	Pm I	RCWM80
5	6326.58	Pt I	MCS75
30	6328.1646	Ne I	SS04
1000 P	6334.05	Ga II	IL85
100	6334.4278	Ne I	SS04
400	6335.701	Al II	KM91b
130	6343.96	Xe II	H39
10	6346.742	Mg II	KM91a
130 P	6347.103	Si II	S61b
100 P	6348.508	F I	L49
11 c,w	6350.04	Eu I	MCS75
800	6350.73	Br I	T63
5 c	6354.55	Cs I	K62b
400	6354.72	Cd II	SP49
200	6356.35	Xe II	H39
300 l	6358.61	Pa I	BW92b
140 c	6359.03	Pr I	MCS75
300 P	6359.86	Ac I	MFT57
500	6359.98	Cd II	SP49
15 w	6362.3	In II	PC38
30 P	6362.3458	Zn I	GL00
100 P	6371.359	Si II	S61b
70	6375.28	Xe II	H39
1000 P	6376.71	Cm I	WHGC76
500	6377.840	Cu II	R69
300	6379.25	Pa I	BW92b
100 P	6382.9917	Ne I	SS04
1	6384.717	Ar I	N73
50	6390.31	Pm I	RCWM80
110	6393.18	Pr I	MCS75
600 P	6394.23	La I	MCS75
100	6396.56	Ga I	JL67
30	6397.99	Xe II	H39
11 c,w	6400.93	Eu I	MCS75
200 P	6402.248	Ne I	SS04
100 l	6405.11	Am I	FT57
140 P	6408.47	Sr I	MCS75
15	6410.04	Eu I	MCS75
300	6410.99	La I	MCS75
140	6411.23	Pr I	MCS75
13	6411.32	Eu I	MCS75
70	6413.45	Ga I	JL67
80	6413.651	F I	L49
2	6416.307	Ar I	N73
900 P	6419.23	Ga II	IL85
100	6420.18	Kr II	DHM33
15	6421.0270	Kr I	K93
600	6423.884	Cu II	R69
90	6430.067	Ce I	M75c
100	6430.79	Ta I	MCS75

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
500 h	6431.93	Pm I	RCWM80
100	6435.022	Y I	P77
14	6437.64	Eu II	MCS75
1000 P	6438.470	Cd I	BA56
300 l	6438.97	Pa I	BW92b
700 P	6439.073	Ca I	R68
800	6444.29	Se II	G62
200	6446.20	Ra I	R34b
500	6448.559	Cu II	R69
500	6449.744	Pu I	BFG84
600	6449.810	Ca I	R68
80	6450.36	Ta I	MCS75
50 P	6453.542	Sn II	B64
800 P	6455.89	Ga II	IL85
100	6455.90	Tc I	BMC67
130	6455.98	O I	M75b
300	6455.99	La I	MCS75
30	6456.2889	Kr I	K93
120	6456.38	Fe II	RMW44
300	6456.874	Ca II	ER56
100 P	6457.2824	Th I	PE83
11	6457.96	Eu I	MCS75
90	6458.031	Ce I	BWCC91
110 P	6458.33	Rb II	R75
130 P	6459.99	P II	M59
20	6460.261	Tm I	SMC73
60 c	6461.93	Tc I	BMC67
700 P	6462.566	Ca I	R68
80	6462.6131	Th I	PE83
60	6463.12	Lu II	MCS75
400	6464.94	Cd II	SP49
15 w	6469.0	In II	PC38
30	6469.70	Xe I	HM33
600	6470.168	Cu II	R69
600	6471.660	Ca I	R68
15	6472.84	Xe I	HM33
500	6481.437	Cu II	R69
40 P	6482.05	N II	M75a
90	6482.70	N I	M75a
8	6483.082	Ar II	N73
150	6485.37	Ta I	MCS75
120	6486.55	Pr I	MCS75
800 P	6486.707	Pu I	BFG84
200	6487.32	Ra I	R34b
12	6487.76	Xe I	HM33
1000 P	6488.853	Pu I	BFG84
20	6489.06	Yb I	MT78
110 h	6491.75	Pr I	MCS75
600 P	6493.780	Ca I	R68
80	6495.53	Cs II	S81
200 P	6496.898	Ba II	KL99
10	6498.72	Xe I	HM33
250 P	6498.760	Ba I	KL99
600	6499.649	Ca I	R68
130 P	6503.46	P II	M59
80 P	6504.00	Sr I	MCS75
20 h	6504.18	Xe I	HM33
150 P	6506.5281	Ne I	SS04
130 P	6507.97	P II	M59
100	6512.83	Xe II	H39

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
50	6514.21	Na II	W71
50	6517.25	Pm I	RCWM80
300 P,d	6520.45	Pm I	RCWM80
6	6523.45	Pt I	MCS75
110 P	6527.312	Ba I	KL99
70	6528.65	Xe II	H39
70	6530.70	Na II	W71
80 h	6531.3418	Th I	PE83
10	6532.8822	Ne I	SS04
10	6533.16	Xe I	HM33
500	6535.271	Pu I	BFG84
100 w	6536.44	Cs II	S81
12 c	6541.20	In II	PC38
50	6542.20	Pm I	RCWM80
200	6543.16	La I	MCS75
70	6544.04	Na II	W71
50 l	6544.16	Am I	FT57
500	6544.207	Pu I	BFG84
250	6544.57	Br I	T63
70	6545.75	Na II	W71
11 d	6545.973	Mg II	KM91a
12	6547.89	Be II	J61a
25	6550.26	Sr I	MCS75
1000	6554.41	Cm I	WHGC76
11	6555.62	Rb II	R75
80	6555.645	Ce I	BWCC91
12	6558.36	Be II	J61a
700 c	6559.80	Br I	T63
8 c	6560.10	He II	GM65
60	6560.81	Rb II	R75
9	6562.680	Au I	ED71
90 P	6562.7110	H I	MK00a
30 P	6562.7248	H I	MK00a
180 P	6562.8518	H I	MK00a
50	6570.07	Kr II	DHM33
500 P	6572.777	Ca I	R68
400 P	6578.05	C II	MG93
200	6578.51	La I	MCS75
250	6582.17	Br I	T63
300	6582.88	C II	MG93
8	6586.51	Cs I	K62b
300	6595.01	Xe II	H39
100 P	6595.325	Ba I	KL99
10	6595.56	Xe I	HM33
130	6597.25	Xe II	H39
400 P	6598.15	Pm I	RCWM80
80	6598.66	Pm I	RCWM80
30	6598.84	Xe II	H39
100 P	6598.9529	Ne I	SS04
400 h	6600.339	Bi II	DLW02
30 P	6604.91	Ho I	MZH78
70	6606.37	Pm I	RCWM80
500	6608.947	Pu I	BFG84
40 P	6610.56	N II	M75a
140	6616.67	Pr I	MCS75
50	6617.26	Sr I	MCS75
70	6619.66	I I	KC59
1000	6622.83	Cf I	RCWM80
500	6624.292	Cu II	R69
80 w	6625.23	Pm I	RCWM80

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
50	6627.23	Rn I	R33
2	6628.66	Cs I	EW70
1000	6631.26	Cf I	RCWM80
700 c	6631.62	Br I	T63
8	6638.221	Ar II	N73
7	6639.740	Ar II	N73
1000	6640.17	Cm I	WHGC76
500	6641.396	Cu II	R69
15	6643.698	Ar II	N73
25	6645.11	Eu II	MCS75
90	6646.57	Cs II	S81
70	6649.81	Pm I	RCWM80
15	6652.0927	Ne I	SS04
400	6659.05	Pm II	RCWM80
250 P,c	6660.20	Pb II	WRSH74
13 c,w	6660.84	Nb I	MCS75
50	6661.68	Pm I	RCWM80
8	6666.359	Ar II	N73
80 c	6667.51	Pm I	RCWM80
10	6667.82	Yb I	MT78
15	6668.92	Xe I	HM33
50	6675.270	Ba I	KL99
3	6677.282	Ar I	N73
70 h	6677.47	Pm I	RCWM80
1000	6677.90	Cf I	RCWM80
200 P	6678.1517	He I	M02
50	6678.2762	Ne I	SS04
250	6682.28	Br I	T63
12	6684.293	Ar II	N73
50	6685.55	Pm I	RCWM80
50	6685.68	Pm I	RCWM80
1000	6686.87	Cm I	WHGC76
15	6687.571	Y I	P77
20	6690.481	F I	L49
200 P,l	6691.27	Ac I	MFT57
130	6692.13	Br I	T63
50 P	6693.842	Ba I	KL99
100	6694.32	Xe II	H39
40	6696.015	Al I	KM91b
10	6699.2296	Kr I	K93
60	6700.33	Pm I	RCWM80
90	6704.272	Ce I	BWCC91
1000 P	6706.85	Cm I	WHGC76
500 P	6707.775	Li I	REB95
1000 P	6707.926	Li I	REB95
7	6710.42	Pt I	MCS75
70	6714.67	Pm I	RCWM80
7	6717.0430	Ne I	SS04
50	6717.26	Pm I	RCWM80
600	6717.685	Ca I	R68
50	6720.71	Pm I	RCWM80
50 c	6723.28	Cs I	S81
100	6724.47	Cs II	S81
500	6725.78	Cd II	SP49
1000	6726.68	Cm I	WHGC76
70	6727.50	Pm I	RCWM80
20	6728.01	Xe I	HM33
60	6743.71	Pm I	RCWM80
90 c	6747.09	Pr I	MCS75
90	6749.91	Pm I	RCWM80

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
90	6750.48	Pm I	RCWM80
70	6751.81	Rn I	R33
4	6752.834	Ar I	N73
40	6757.16	S I	KM93
13	6760.02	Pt I	MCS75
300	6772.29	Pm II	RCWM80
70	6773.984	F I	L49
30 l	6775.07	Rb II	R75
50	6788.71	Xe II	H39
30	6790.37	Xe II	H39
30 P	6791.05	Sr I	MCS75
300 h	6792.75	Pa I	BW92b
1000	6793.15	Cm I	WHGC76
20	6793.704	Y I	P77
25	6794.58	Tb II	MCS75
140 c,w	6798.60	Pr I	MCS75
40 P	6799.60	Yb I	MT78
13	6802.72	Eu I	MCS75
300	6805.74	Xe II	H39
500 h	6809.196	Bi II	DLW02
200	6812.57	I II	MC60
3	6824.65	Cs I	EW70
30	6826.913	U I	PKE80
20	6827.32	Xe I	HM33
80	6833.30	Pm I	RCWM80
90	6834.264	F I	L49
40	6842.60	Pt I	MCS75
30 P	6844.186	Sn II	B64
500 P	6856.030	F I	L49
7	6861.269	Ar II	N73
30	6864.54	Eu I	MCS75
9	6865.686	Ba I	KL99
80	6866.23	Ta I	MCS75
3	6867.48	He I	M60a
80	6870.215	F I	L49
5	6870.45	Cs I	EW70
4	6871.289	Ar I	N73
10	6872.11	Xe I	HM33
70 P	6878.38	Sr I	MCS75
30	6882.16	Xe I	HM33
800 P	6887.710	Pu I	BFG84
20 P,w	6891.56	In II	PC38
20 P	6892.59	Sr I	MCS75
1000	6894.59	Cf I	RCWM80
150 P	6902.475	F I	L49
15	6904.6788	Kr I	K93
60	6909.816	F I	L49
25	6910.22	Xe II	H39
800	6911.08	K I	R56
80	6924.813	Ce I	BWCC91
10	6925.53	Xe I	HM33
1000 P	6927.10	Cf II	RCWM80
1000 P	6929.4673	Ne I	SS04
300 P,s	6930.31	Np I	FTBC76
500	6936.28	K I	R56
1	6937.664	Ar I	N73
800	6938.77	K I	R56
250 h	6942.11	Xe II	H39
1000 P	6945.72	Pa I	BW92b
400	6955.50	Cs II	S81

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
50 s	6955.58	Am I	FT57
300	6960.09	Pa I	BW92b
300 h	6961.78	Pa I	BW92b
300	6964.18	K I	R56
500	6964.67	K I	R56
300 P	6965.431	Ar I	N73
40	6966.349	F I	L49
1000 P,s	6972.09	Np I	FTBC76
80	6973.30	Cs I	K62b
10	6976.18	Xe I	HM33
150	6979.67	Cs II	S81
200	6980.22	Ra I	R34b
10	6982.749	Be I	KM97
15	6983.49	Cs I	K62b
80	6986.015	Ce I	BWCC91
90 P	6989.6553	Th I	PE83
700	6990.88	Xe II	H39
300 s	6992.73	Pa I	BW92b
150	7002.23	O I	M75b
40	7003.567	Si I	RA65
130	7005.19	Br I	T63
40	7005.883	Si I	RA65
300	7024.0504	Ne I	SS04
4	7030.251	Ar I	N73
800 P	7032.4131	Ne I	SS04
60	7034.903	Si I	RA65
500 P	7037.469	F I	L49
11	7040.20	Eu I	MCS75
1000 l	7040.85	Bk I	WC78
20	7051.2923	Ne I	SS04
700 P	7055.42	Rn I	R33
100	7059.1074	Ne I	SS04
200 P	7059.943	Ba I	KL99
10	7061.75	Ce II	C73
300	7062.065	Se I	E72
100 P	7065.1771	He I	M02
60 P	7065.2153	He I	M02
20 P	7065.7086	He I	M02
300 P	7067.218	Ar I	N73
3	7068.736	Ar I	N73
80 P	7070.10	Sr I	MCS75
1000 l	7074.52	Cf I	RCWM80
300	7076.27	Pa I	BW92b
6	7077.10	Eu II	MCS75
25	7081.90	Hg I	F54
50	7082.15	Xe II	H39
10	7086.35	Ce II	C73
150 P	7097.727	Zr I	J98
300 h	7100.94	Pa I	BW92b
80	7102.922	Zr I	J98
1	7107.478	Ar I	N73
1000	7107.85	Bk I	WC78
13	7113.73	Pt I	MCS75
1000 P,s	7114.89	Pa I	BW92b
200	7118.50	Ra I	R34b
50	7119.60	Xe I	HM33
30	7120.331	Ba I	KL99
1	7125.820	Ar I	N73
300 P	7127.890	F I	L49
250	7131.81	Hf I	MCS75

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
500 P	7141.21	Ra I	R34b
30 P	7147.042	Ar I	N73
15 s	7147.50	Xe II	H39
700	7148.147	Ca I	R68
70	7149.03	Xe II	H39
130 w	7149.54	Cs II	S81
1000 P	7162.69	Cm I	WHGC76
150	7164.83	Xe II	H39
50	7165.545	Si I	RA65
50	7168.8952	Th I	PE83
150 P	7169.092	Zr I	J98
300 h	7171.55	Pa I	BW92b
800 P	7173.9381	Ne I	SS04
	7179.866	Fr I	ABDJ90
130	7179.90	F II	P69
20 P,w	7182.89	In II	PC38
20	7190.776	Sn II	B64
100	7193.60	Pb II	S75
10	7194.81	Eu II	MCS75
9	7195.230	Ba I	KL99
600	7202.194	Ca I	R68
150 P	7202.360	F I	L49
2	7206.980	Ar I	N73
60	7208.0063	Th I	PE83
10	7209.134	Be I	KM97
30	7209.434	Ti I	F91
130 h	7211.79	F II	P69
80	7213.13	Kr II	DHM33
150	7213.200	Ne II	P71
10	7217.55	Eu II	MCS75
15	7224.104	Kr I	KH69
200	7225.16	Ra I	R34b
300	7227.13	Pa I	BW92b
13	7228.53	Cs I	EW70
4	7228.965	Pb I	WA68
400 P	7231.32	C II	MG93
150	7235.188	Ne II	P71
500 P	7236.42	C II	MG93
300 P	7237.10	Hf I	MCS75
200	7240.87	Hf I	MCS75
800 P	7245.1666	Ne I	SS04
40	7250.625	Si I	RA65
1000	7252.50	Bk I	WC78
90	7252.710	Ce I	BWCC91
130	7254.15	O I	M75b
150	7254.45	O I	M75b
40	7256.620	Cl I	RK69
500	7258.049	Pu I	BFG84
300 P	7268.11	Rn I	R33
60 P	7272.936	Ar I	N73
40	7275.294	Si I	RA65
12 c	7276.5	In II	PC38
2	7279.90	Cs I	EW70
20	7279.96	Cs I	EW70
1 l	7279.997	Rb I	B59
150 P	7280.296	Ba I	KL99
50	7281.35	He I	M60a
30	7284.34	Xe II	H39
13	7287.258	Kr I	KH69
100 P	7289.1730	Si I	MKMD94

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
130	7289.78	Kr II	DHM33
300 P	7290.40	Ac I	MFT57
70	7291.00	Rn I	R33
9	7301.17	Eu II	MCS75
70	7301.80	Xe II	H39
1000	7306.94	Bk I	WC78
1000 s	7307.90	Cf I	RCWM80
40	7309.41	Sr I	MCS75
150 P	7311.019	F I	L49
1	7311.716	Ar I	N73
1	7316.005	Ar I	N73
300	7318.79	Pa I	BW92b
700	7326.146	Ca I	R68
50	7331.957	F I	L49
150 c,w	7334.18	La I	MCS75
70	7339.30	Xe II	H39
150	7343.945	Ne II	P71
500	7345.670	Cd I	BA56
6	7346.508	Hg II	SR01
130 P	7348.51	Br I	T63
20 c	7350.6	In II	PC38
2	7353.293	Ar I	N73
1000 P,l	7368.25	Pa I	BW92b
12	7370.22	Eu II	MCS75
6	7372.118	Ar I	N73
7	7380.426	Ar II	N73
300	7383.980	Ar I	N73
10	7386.00	Xe I	HM33
2	7387.685	Mg I	KM91a
15	7392.405	Ba I	KL99
1	7392.980	Ar I	N73
15	7393.79	Xe I	HM33
1000	7394.26	Bk I	WC78
90	7397.764	Ce I	BWCC91
100 P	7398.688	F I	L49
6	7400.22	Cr I	K53
70	7402.06	I I	KC59
700	7404.354	Cu II	R69
90 P	7405.7740	Si I	MKMD94
130	7407.02	Kr II	DHM33
2	7408.173	Rb I	B59
50	7409.082	Si I	RA65
25	7414.114	Cl I	RK69
60	7415.946	Si I	RA65
100 P	7423.497	Si I	RA65
150	7423.64	N I	M75a
10	7425.541	Kr I	KH69
40	7425.645	F I	L49
5	7426.57	Eu II	MCS75
40	7428.9405	Th I	PE83
1	7435.368	Ar I	N73
70	7435.78	Kr II	DHM33
200 P	7442.29	N I	M75a
1000 P	7450.00	Rn I	R33
60	7452.49	Tc I	BMC67
8	7462.35	Cr I	K53
200 P	7468.31	N I	M75a
70	7468.99	I I	KC59
9	7469.51	Er I	MCS75
300 h	7471.89	Pa I	BW92b

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
30	7472.4386	Ne I	SS04
50	7478.7691	Zn II	GL00
20	7482.723	F I	L49
15	7486.862	Kr I	KH69
25	7488.075	Ba I	KL99
300	7488.8712	Ne I	SS04
25	7489.155	F I	L49
100	7492.102	Ne II	P71
1000 P,h	7493.15	Pa I	BW92b
600 P	7503.869	Ar I	N73
50	7510.728	Au I	ED71
500 P	7512.96	Br I	T63
400	7514.652	Ar I	N73
150	7522.818	Ne II	P71
100	7524.46	Kr II	DHM33
300	7535.7741	Ne I	SS04
120	7539.23	La I	MCS75
80	7540.26	Tc I	BMC67
130	7544.0443	Ne I	SS04
60 P	7547.072	Cl I	RK69
100	7548.45	Xe II	H39
50	7552.235	F I	L49
15	7555.09	Ho I	MCS75
300 h	7558.26	Pa I	BW92b
14	7558.33	Tm I	SMC73
50	7558.97	Pb II	S75
500	7572.923	Pu I	BFG84
50	7573.384	F I	L49
150 P	7578.909	S II	KM93
15	7583.91	Eu I	MCS75
20	7584.68	Xe I	HM33
150	7587.4136	Kr I	K93
60	7588.4648	Zn II	GL00
300	7601.304	Ca II	R68
300	7601.5457	Kr I	K93
70	7607.170	F I	L49
1000 P,h	7608.20	Pa I	BW92b
40 c	7608.90	Cs I	K62b
25	7618.57	Xe II	H39
2 l	7618.933	Rb I	B59
150	7624.40	Hf I	MCS75
1000 P	7626.79	Pa I	BW92b
120 P	7629.740	S II	KM93
50	7632.56	Pb II	S75
700 P	7635.106	Ar I	N73
1000 P,s	7635.18	Pa I	BW92b
50	7641.16	Kr II	DHM33
50	7642.02	Xe I	HM33
10	7643.91	Xe I	HM33
50	7647.3794	Th I	PE83
500	7652.333	Cu II	R69
3	7657.603	Mg I	KM91a
3	7659.152	Mg I	KM91a
3	7659.902	Mg I	KM91a
700	7664.648	Cu II	R69
1000 P	7664.8991	K I	E99
1000 P	7669.34	Pa I	BW92b
70	7670.66	Xe II	H39
80 P	7672.085	Ba I	KL99
12	7672.419	Cl I	RK69

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
300	7679.20	Pa I	BW92b
150	7685.2459	Kr I	K93
30 P	7687.772	Ag I	PZ01
2	7691.550	Mg I	KM91a
200	7694.5401	Kr I	K93
1000 P	7698.9645	K I	E99
40 P	7699.49	Yb I	MT78
40	7717.581	Cl I	RK69
1000 P	7720.47	Cm I	WHGC76
400	7723.761	Ar I	N73
300	7724.207	Ar I	N73
1	7724.6233	Ne I	SS04
40	7732.4886	Zn II	GL00
300 P,l	7735.14	Np I	FTBC76
80	7735.69	Kr II	DHM33
12 c	7740.7	In II	PC38
120	7740.738	Ne II	P71
15	7741.425	Sn II	B64
50 P	7744.970	Cl I	RK69
70	7746.64	Rn I	R33
25	7746.827	Kr I	KH69
1000 P,h	7749.19	Pa I	BW92b
200 P	7754.696	F I	L49
3	7757.651	Rb I	B59
1	7759.436	Rb I	B59
300 P,l	7765.75	Np I	FTBC76
11	7769.163	Cl I	RK69
300 P	7771.94	O I	M75b
250 P	7774.17	O I	M75b
250 P	7775.39	O I	M75b
500	7778.738	Cu II	R69
50	7780.478	Ba I	KL99
20	7787.04	Xe II	H39
300 P,l	7791.38	Np I	FTBC76
800	7792.26	Ga II	IL85
80 c	7793.04	Tc I	BMC67
150 P	7800.212	F I	L49
1000 c,P	7800.27	Rb I	J61b
10	7802.65	Xe I	HM33
400 P	7803.02	Br I	T63
500	7805.184	Cu II	R69
1000	7807.659	Cu II	R69
1	7809.78	Na I	R56
300 P	7809.82	Rn I	R33
1	7816.15	He I	M60a
80	7817.72	Tc I	BMC67
11	7821.363	Cl I	RK69
700	7825.654	Cu II	R69
8	7830.746	Cl I	RK69
30	7836.134	Al I	KM91b
200	7838.12	Ra I	R34b
2	7839.0529	Ne I	SS04
140	7845.35	Hf I	MCS75
50	7848.80	Si II	S61b
70	7849.72	Si II	S61b
25	7852.52	Cs II	S81
130	7854.8234	Kr I	K93
200 l	7866.10	Ac I	MFT57
300	7872.95	Pa I	BW92b
12	7877.054	Mg II	KM91a

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
15	7878.215	Cl I	RK69
10	7881.32	Xe I	HM33
30	7887.40	Xe I	HM33
13	7896.366	Mg II	KM91a
12	7899.310	Cl I	RK69
500	7902.553	Cu II	R69
1000 s	7903.90	Bk I	WC78
25	7905.747	Ba I	KL99
12	7911.329	Ba I	KL99
30	7913.4251	Kr I	K93
9	7915.084	Cl I	RK69
100	7923.90	S I	KM93
15	7924.645	Cl I	RK69
120	7926.201	Ne II	P71
3	7927.1177	Ne I	SS04
30	7928.5988	Kr I	K93
25	7932.349	Si I	RA65
150	7933.13	Cu I	S48
70	7933.22	Kr II	DHM33
10	7933.894	Cl I	RK69
8	7935.012	Cl I	RK69
13	7936.9961	Ne I	SS04
400 P,c	7938.68	Br I	T63
80	7943.1814	Ne I	SS04
50	7943.88	Cs I	K62b
30	7944.001	Si I	RA65
250 P	7944.555	Hg II	SR01
300 l	7945.56	Pa I	BW92b
500 c,P	7947.60	Rb I	J61b
600 P	7948.176	Ar I	N73
200	7955.37	K I	R56
150	7956.83	K I	R56
250	7962.62	Po I	C66a
50	7967.34	Xe I	HM33
80 P	7967.371	S II	KM93
40	7973.62	Kr II	DHM33
130	7978.57	Br I	T63
40	7978.9731	Th I	PE83
15	7982.401	Kr I	KH69
800	7988.163	Cu II	R69
400	7989.94	Br I	T63
110	7994.73	Hf I	MCS75
200	7997.44	Cs II	S81
14	7997.854	Cl I	RK69
300	8000.96	Se I	RG34
600 P	8006.157	Ar I	N73
20	8012.98	Cs II	S81
700 P	8014.786	Ar I	N73
11	8015.611	Cl I	RK69
60	8015.73	Cs I	EW70
80	8016.01	F II	P69
250 P	8019.70	Ra II	R34a
9	8025.57	Ce II	C73
10	8029.67	Xe I	HM33
1000 P	8039.34	Pa I	BW92b
130 P	8043.74	I I	KC59
80 c	8047.13	Cs II	S81
70	8049.00	Rn I	R33
20	8057.26	Xe I	HM33
250	8059.5048	Kr I	K93

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
15	8061.34	Xe I	HM33
250 P	8070.099	Zr I	J98
300	8078.11	K I	R56
8	8078.94	Cs I	EW70
70	8079.04	Cs I	EW70
250	8079.62	K I	R56
60	8082.4580	Ne I	SS04
100	8084.345	Ne II	P71
8	8084.508	Cl I	RK69
11	8085.562	Cl I	RK69
100	8086.05	La I	MCS75
15	8086.672	Cl I	RK69
200	8092.63	Cu I	S48
150	8096.75	Ni II	S70
300 P	8099.51	Rn I	R33
1000 P,h	8099.84	Pa I	BW92b
10	8101.98	Xe I	HM33
600 P	8103.693	Ar I	N73
700 P	8104.3655	Kr I	K93
1000 P	8112.9012	Kr I	K93
20	8114.030	Sn I	B64
1000 P	8115.311	Ar I	N73
40	8118.5492	Ne I	SS04
60	8120.367	Ce I	BWCC91
120	8121.48	Ni II	S70
150 P	8126.232	Li I	REB95
300 P	8126.453	Li I	REB95
12	8128.9108	Ne I	SS04
6	8129.26	F I	L49
400	8131.52	Br I	T63
10	8132.967	Kr I	KH69
110	8132.984	Zr I	J98
170	8136.4054	Ne I	SS04
1000 P	8141.29	Cf I	RCWM80
50 h	8151.80	Xe II	H39
130	8153.75	Br I	T63
300	8154.00	Br I	T63
	8169.418	Fr I	ABDJ90
10	8171.02	Xe I	HM33
6	8179.339	F I	L49
60 P	8183.256	Na I	R56
90	8184.87	N I	M75a
90	8188.02	N I	M75a
500 P	8190.0566	Kr I	K93
12	8194.420	Cl I	RK69
10 P	8194.790	Na I	R56
110 P	8194.824	Na I	R56
1000 P	8199.04	Pa I	BW92b
11	8199.128	Cl I	RK69
11	8200.21	Cl I	RK69
400	8201.720	Ca II	ER56
70	8202.72	Kr II	DHM33
70	8206.34	Xe I	HM33
9	8210.239	Ba I	KL99
90 P	8212.038	Cl I	RK69
30	8212.57	Tb I	MCS75
80	8212.571	Zr I	J98
3	8213.034	Mg I	KM91a
10	8213.987	Mg II	KM91a
25	8214.726	F I	L49

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
140	8216.34	N I	M75a
13	8218.365	Kr I	KH69
15	8220.445	Cl I	RK69
100 P	8221.742	Cl I	RK69
130	8221.82	O I	M75b
90	8223.14	N I	M75a
7	8224.74	Pt I	MCS75
13 c	8227.0	In II	PC38
30	8230.773	F I	L49
1000 P	8231.635	Xe I	HP70b
11	8234.636	Mg II	KM91a
50	8240.05	I I	KC59
1000	8241.77	Cf II	RCWM80
90	8242.39	N I	M75a
500	8248.797	Ca II	ER56
400	8250.18	K I	R56
300	8251.74	K I	R56
4 P	8254.070	Be I	KM97
30	8259.3790	Ne I	SS04
500 P	8263.2426	Kr I	K93
300	8264.522	Ar I	N73
100	8264.807	Ne II	P71
200	8264.96	Br I	T63
70	8266.0772	Ne I	SS04
50	8266.52	Xe I	HM33
10	8267.1162	Ne I	SS04
300 P	8270.96	Rn I	R33
1000 P	8271.87	Pa I	BW92b
15	8272.353	Kr I	KH69
1000 P,c	8272.44	Br I	T63
50 P	8273.509	Ag I	PZ01
700 P	8280.117	Xe I	HP70b
250	8281.0522	Kr I	K93
500	8283.160	Cu II	R69
800 P	8298.1099	Kr I	K93
20	8298.581	F I	L49
300	8300.3258	Ne I	SS04
500	8309.602	Pu I	BFG84
120 P	8314.594	S II	KM93
100	8314.995	Ne II	P71
120	8324.69	La I	MCS75
50	8330.4494	Th I	PE83
90 P	8333.307	Cl I	RK69
1000	8333.85	Cf II	RCWM80
250	8334.70	Br I	T63
250 P	8335.15	C I	J66
300 P,l	8339.12	Np I	FTBC76
130 P	8343.70	Br I	T63
2	8346.120	Mg I	KM91a
130	8346.53	La I	MCS75
200	8346.823	Xe I	HP70b
30	8347.24	Xe II	H39
300 s	8358.98	Pa I	BW92b
2	8361.69	He I	M60a
50	8365.7466	Ne I	SS04
300 s	8369.60	Pa I	BW92b
100	8372.106	Ne II	P71
1000 P	8372.88	Np I	FTBC76
500 P	8375.94	Cl I	RK69
800 P	8377.6080	Ne I	SS04

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
120	8390.22	K I	R56
	8391.44	K I	R56
1	8392.27	Ar I	M73
1000 P	8392.37	Cm I	WHGC76
130 c	8393.30	I I	KC59
50	8395.68	Pb II	WRSH74
400	8408.210	Ar I	N73
200	8409.191	Xe I	HP70b
15	8412.430	Kr I	KH69
30	8417.1606	Ne I	SS04
80	8417.54	K I	R56
250	8418.4274	Ne I	SS04
40	8420.00	K I	R56
20	8422.624	Sn I	B64
1000	8423.49	Cf II	RCWM80
600	8424.648	Ar I	N73
20	8426.504	Ti I	F91
80 P	8428.254	Cl I	RK69
60	8434.959	Ti I	F91
30	8435.648	Ti I	F91
30	8438.74	N II	M75a
300 h	8441.04	Pa I	BW92b
250 P	8446.25	O I	M75b
300 P	8446.36	O I	M75b
500 P	8446.55	Br I	T63
300 P	8446.76	O I	M75b
40	8463.3575	Ne I	SS04
11	8467.341	Cl I	RK69
13	8484.4435	Ne I	SS04
700	8495.3598	Ne I	SS04
50	8495.829	Ce I	BWCC91
600	8498.018	Ca II	ER56
400	8503.45	K I	R56
400	8505.11	K I	R56
500 P	8508.8728	Kr I	K93
500	8511.061	Cu II	R69
15 h	8515.19	Xe II	H39
70	8520.95	Rn I	R33
1000 P,c	8521.13	Cs I	EJN64
400	8521.442	Ar I	N73
1000 P	8529.96	Np I	FTBC76
300	8532.	Bi II	CM34
1000 P,h	8532.66	Pa I	BW92b
700 P	8542.089	Ca II	ER56
15	8544.6958	Ne I	SS04
90	8545.44	La I	MCS75
11	8550.438	Cl I	RK69
30	8552.531	Sn I	B64
25	8556.7803	Si I	BE93
60 P	8559.998	Ba I	KL99
120	8567.74	N I	M75a
1000	8568.83	Cf II	RCWM80
30	8571.3524	Ne I	SS04
1000 P,s	8572.96	Pa I	BW92b
100 P	8575.24	Cl I	RK69
20	8576.01	Xe I	HM33
400 P	8585.97	Cl I	RK69
400	8591.2584	Ne I	SS04
140	8594.00	N I	M75a
300 P	8600.07	Rn I	R33

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
20	8603.96	Rb II	R75
15 h	8604.23	Xe II	H39
25	8607.950	U I	PKE80
15	8608.31	Cs II	S81
150	8629.24	N I	M75a
1000 P	8630.189	Pu I	BFG84
350	8634.6470	Ne I	SS04
250	8638.66	Br I	T63
300 h	8639.91	Pa I	BW92b
60	8647.0411	Ne I	SS04
25	8648.54	Xe I	HM33
1	8649.92	Na I	R56
1	8650.89	Na I	R56
300 h	8653.51	Pa I	BW92b
600 P	8654.3831	Ne I	SS04
80	8655.5220	Ne I	SS04
120	8655.89	N I	M75a
700 P	8662.140	Ca II	ER56
130	8667.944	Ar I	N73
100	8668.256	Ne II	P71
50	8675.83	Rn I	R33
130	8679.4925	Ne I	SS04
150 P	8680.28	N I	M75a
150	8681.9211	Ne I	SS04
150 P	8683.40	N I	M75a
120	8686.15	N I	M75a
20	8686.26	Cl I	RK69
4	8688.91	Sr II	NOL73
7	8691.282	U I	PKE80
10	8692.20	Xe I	HM33
40	8694.71	S I	KM93
300 s	8696.23	Np I	FTBC76
20	8696.86	Xe I	HM33
120	8703.25	N I	M75a
30	8704.1116	Ne I	SS04
140	8711.70	N I	M75a
2	8712.689	Mg I	KM91a
15 h	8716.19	Xe II	H39
2	8717.825	Mg I	KM91a
120	8718.83	N I	M75a
10	8734.980	Mg II	KM91a
1000 P	8735.27	Pa I	BW92b
3	8736.021	Mg I	KM91a
30	8739.39	Xe I	HM33
30	8741.529	P I	S80
11	8745.663	Mg II	KM91a
9	8757.760	U I	PKE80
120	8758.183	Te I	MV75
10	8758.20	Xe I	HM33
250 P,c	8761.41	Cs I	EJN64
150	8763.96	K I	R56
25	8764.110	Kr I	KH69
120	8767.05	K I	R56
100	8771.6563	Ne I	SS04
7	8771.860	Ar II	N73
40	8772.866	Al I	KM91b
50	8773.896	Al I	KM91b
1000 P	8776.7505	Kr I	K93
600 P	8780.6226	Ne I	SS04
400 P	8783.7533	Ne I	SS04

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
130 c	8793.47	Br I	T63
5	8801.370	Be I	KM97
2	8806.757	Mg I	KM91a
500 P	8819.411	Xe I	HP70b
200	8819.96	Br I	T63
10	8824.318	Mg II	KM91a
300	8825.22	Br I	T63
6	8830.9072	Ne I	SS04
11	8835.080	Mg II	KM91a
5	8849.91	Ar I	M73
300	8853.8668	Ne I	SS04
40	8857.50	I I	KC59
30	8862.32	Xe I	HM33
20	8865.3063	Ne I	SS04
150	8865.7552	Ne I	SS04
400	8897.62	Br I	T63
500	8902.19	K I	R56
500	8904.02	K I	R56
300 s	8906.02	Np I	FTBC76
20	8908.73	Xe I	HM33
400	8912.07	Ca II	ER56
11	8912.921	Cl I	RK69
8	8915.013	Ba I	KL99
300	8918.86	Se I	MV74
60	8919.5006	Ne I	SS04
4 h	8922.56	Yb II	M67
200	8923.31	K I	R56
3	8923.569	Mg I	KM91a
150	8925.44	K I	R56
500	8927.36	Ca II	ER56
300	8928.6934	Kr I	K93
20	8930.83	Xe I	HM33
300	8942.70	Np I	FTBC76
1000 P,c	8943.47	Cs I	EJN64
15	8948.063	Cl I	RK69
100	8952.252	Xe I	HP70b
70 P	8967.6403	Th I	PE83
10	8981.05	Xe I	HM33
20	8987.57	Xe I	HM33
20	8988.5564	Ne I	SS04
300 s	9004.75	Np I	FTBC76
300 l	9006.31	Np I	FTBC76
1000 P,l	9016.18	Np I	FTBC76
70	9022.40	I I	KC59
10	9038.982	Cl I	RK69
12	9045.433	Cl I	RK69
40	9045.45	Xe I	HM33
40	9048.2501	Th I	PE83
50	9050.82	Pb II	WRSH74
200 P	9058.33	I I	KC59
2	9063.27	He I	M60a
50	9063.43	Pb II	WRSH74
10	9073.166	Cl I	RK69
1	9075.394	Ar I	N73
100	9079.462	Ne II	P71
220	9094.83	C I	J66
150	9111.80	C I	J66
150	9113.91	I I	KC59
40	9121.146	Cl I	RK69
1000 P	9122.967	Ar I	N73

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
700	9130.	Tl II	ES36
1	9130.5	Tl I	MM52
300 l	9141.30	Np I	FTBC76
120	9148.6716	Ne I	SS04
1	9153.88	Na I	R56
50	9162.65	Xe I	HM33
400	9166.06	Br I	T63
10	9167.52	Xe I	HM33
300 P	9172.32	Cs I	EJN64
200	9173.63	Br I	T63
250	9178.16	Br I	T63
15	9191.731	Cl I	RK69
50	9193.85	P I	S80
15	9194.638	Ar I	N73
90	9201.7591	Ne I	SS04
90	9208.53	Cs I	EJN64
2	9210.34	He I	M60a
150 P	9212.865	S I	KM93
12 w	9213.0	In II	PC38
500	9213.900	Ca II	R68
14	9218.250	Mg II	KM91a
60	9220.0601	Ne I	SS04
30 c	9220.75	Cs II	S81
20	9221.5801	Ne I	SS04
400	9224.499	Ar I	N73
20	9226.6903	Ne I	SS04
100 P	9228.092	S I	KM93
1000 l	9228.52	Cf I	RCWM80
80 P	9237.538	S I	KM93
150 P	9238.48	Kr II	DHM33
13	9244.265	Mg II	KM91a
2	9246.499	Mg I	KM91a
5	9255.778	Mg I	KM91a
150	9260.81	O I	M75b
150	9260.84	O I	M75b
150	9260.94	O I	M75b
130	9262.58	O I	M75b
200	9262.67	O I	M75b
200	9262.77	O I	M75b
500	9265.42	Br I	T63
150	9265.94	O I	M75b
200 P	9266.01	O I	M75b
9	9275.5196	Ne I	SS04
30	9278.88	P I	S80
200	9287.563	Ne II	P71
20	9288.856	Cl I	RK69
11	9291.531	Ar I	N73
150 P,h,l	9293.82	Kr II	DHM33
80	9300.8527	Ne I	SS04
70	9304.94	P I	S80
8	9310.5839	Ne I	SS04
400	9311.998	Ca II	R68
30	9313.9726	Ne I	SS04
400	9319.560	Ca II	R68
500	9320.650	Ca II	R68
200	9320.86	Br I	T63
70 h	9320.99	Kr II	DHM33
30	9323.50	P I	S80
70	9326.5068	Ne I	SS04
150	9327.02	Rn I	R33

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
10 d	9327.545	Mg II	KM91a
1000	9337.70	Cf I	RCWM80
10	9340.542	Mg II	KM91a
300	9347.24	K I	R56
120	9349.25	K I	R56
250	9351.59	K I	R56
50	9354.220	Ar I	N73
100	9361.95	Kr II	DHM33
15	9362.082	Kr I	KH69
50	9370.119	Ba I	KL99
3 h	9370.27	In I	JL67
15	9373.3078	Ne I	SS04
10	9374.76	Xe I	HM33
300 P,s	9379.33	Np I	FTBC76
120	9386.80	N I	M75a
140	9392.79	N I	M75a
70 h	9402.82	Kr II	DHM33
400 P	9405.73	C I	J66
4	9414.964	Mg I	KM91a
500	9416.967	Ca I	R68
50	9425.3788	Ne I	SS04
50	9426.71	I I	KC59
40	9427.15	I I	KC59
1000 s	9429.13	Bk I	CWBC77
3	9429.814	Mg I	KM91a
3	9432.764	Mg I	KM91a
50	9435.069	P I	S80
3	9438.783	Mg I	KM91a
50	9441.86	P I	S80
20	9452.098	Cl I	RK69
30	9452.83	P I	S80
30	9459.2095	Ne I	SS04
10	9463.61	He I	M60a
1	9465.94	Na I	R56
300 P,l	9468.66	Np I	FTBC76
70 h	9470.93	Kr II	DHM33
50	9476.928	Y II	NJK91
11	9479.32	Rb II	R75
50	9486.6818	Ne I	SS04
70	9493.56	P I	S80
20	9513.38	Xe I	HM33
4	9516.60	He I	M60a
150	9518.68	Sb I	SM02
6 h	9520.198	Hg II	SR01
90 P	9525.73	P I	S80
3	9526.17	He I	M60a
1	9529.27	He I	M60a
150	9533.071	Pu I	BFG84
60	9534.1629	Ne I	SS04
80 P	9545.18	P I	S80
5	9545.97	H I	RCWM80
30	9547.4049	Ne I	SS04
90 P	9563.439	P I	S80
400	9567.965	Ca II	R68
120	9577.013	Ne II	P71
150 P	9577.52	Kr II	DHM33
100 P	9581.42	Li II	SO82
15 h	9591.35	Xe II	H39
20	9592.222	Cl I	RK69
600	9595.70	K I	R56

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
600	9597.83	K I	R56
150	9597.92	As I	HA85
500	9599.235	Ca II	R68
300	9601.815	Ca II	R68
1	9603.42	He I	M60a
150 P,h	9605.80	Kr II	DHM33
15	9608.894	Ba I	KL99
40	9609.04	P I	S80
130 h	9619.61	Kr II	DHM33
150	9626.65	As I	HA85
12	9631.892	Mg II	KM91a
11	9632.431	Mg II	KM91a
20	9638.939	P I	S80
1000	9649.51	Cf I	RCWM80
40 d	9653.06	I I	KC59
70 P,d	9657.04	Bi I	GMV85
700 P	9657.786	Ar I	N73
150	9658.44	C I	J66
70	9663.34	Kr II	DHM33
180	9665.4197	Ne I	SS04
30	9676.24	P I	S80
300 s	9679.13	Np I	FTBC76
15	9685.32	Xe I	HM33
20 c	9689.05	Rb II	R75
15 l	9698.68	Xe II	H39
3	9702.60	He I	M60a
70 h	9711.60	Kr II	DHM33
10	9718.16	Xe I	HM33
200 P	9722.742	Te I	MV75
70	9731.73	I I	KC59
80 P	9734.750	P I	S80
80 P	9750.77	P I	S80
300	9751.7610	Kr I	K93
130	9784.503	Ar I	N73
30	9790.21	P I	S80
90 P	9796.85	P I	S80
200	9799.700	Xe I	HP70b
150 P	9803.14	Kr II	DHM33
20 h	9805.184	Sn I	B64
100	9808.860	Ne II	P71
200	9833.78	As I	HA85
40	9850.381	Sn I	B64
300	9854.74	Ca II	ER56
80	9856.314	Kr I	KH69
400	9861.280	Cu II	R69
1000 l	9862.39	Bk II	CWBC77
400	9864.137	Cu II	R69
20	9868.92	Te I	MV75
500	9890.63	Ca II	ER56
130	9896.40	Br I	T63
20	9903.68	P I	S80
250	9923.03	As I	HA85
300 P	9923.190	Xe I	HP70b
300 l	9930.55	Np I	FTBC76
400	9931.39	Ca II	ER56
150	9949.14	Sb I	SM02
250	9949.67	K I	R56
200	9954.14	K I	R56
25	9956.30	Te I	MV75
1	9961.28	Na I	R56

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
6	9977.86	In I	JL67
2	9983.20	Mg I	KM91a
3	9986.48	Mg I	KM91a
3	9993.21	Mg I	KM91a
14	9994.79	Cs II	S81
200	10024.01	As I	HA85
300	10024.36	Cs I	EW70
6	10027.73	He I	M60a
2	10031.16	He I	M60a
40	10032.139	Ba I	KL99
7	10036.66	Sr II	S38a
7	10049.4	H I	RCWM80
250 P	10051.41	Te I	MV75
5	10052.06	Ar I	M73
400	10054.938	Cu II	R69
150	10091.01	Te I	MV75
300 P,l	10091.99	Np I	FTBC76
14	10092.16	Mg II	KM91a
80	10112.48	N I	M75a
90	10114.64	N I	M75a
12	10119.92	Be II	J61a
80	10123.41	Cs I	EW70
400	10123.60	Cs I	EW70
15 c	10123.6	He II	GM65
1000	10126.20	Bk I	CWBC77
1	10138.50	He I	M60a
200 P	10139.76	Hg I	BAL50
15	10157.91	U I	BW92b
30 c	10176.02	Cs II	S81
300 P	10221.46	Kr II	DHM33
400	10223.04	Ca II	R68
11	10257.03	In I	JL67
13	10259.55	U I	BW92b
120	10260.849	Sb I	SM02
2	10290.458	Pb I	WA68
1000	10292.44	Bk I	CWBC77
4	10295.4174	Ne I	SS04
400	10307.45	Se I	MV74
1000 s	10308.41	Cf I	CWBV77
10	10311.23	He I	M60a
2	10311.54	He I	M60a
1000 P	10327.26	Se I	MV74
20 P	10327.31	Sr II	S38a
30	10329.701	Y II	NJK91
1	10332.72	Ar I	M73
25	10379.66	Cs II	S81
700 P	10386.36	Se I	MV74
200 P	10455.451	S I	KM93
30 P	10456.757	S I	KM93
400	10457.96	Br I	T63
130 P	10459.406	S I	KM93
70	10466.54	I I	KC59
30	10467.177	Ar II	N73
50	10470.054	Ar I	N73
400	10479.63	K I	R56
13	10480.93	Cs II	S81
200	10482.15	K I	R56
300	10487.11	K I	R56
30	10493.57	Te I	MV75
1	10498.965	Pb I	WA68

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
50	10504.51	Cs II	S81
5	10506.50	Ar I	M73
50	10529.52	P I	S80
1000 P	10542.98	Cm I	WHGC76
30	10554.93	U I	BW92b
80	10562.4075	Ne I	SS04
1000 l	10568.83	Cf I	CWBV77
1000 l	10570.53	Bk I	CWBC77
1	10572.28	Na I	R56
70	10581.57	P I	S80
20	10585.140	Si I	BE93
300	10594.38	Pa I	BW92b
20	10603.427	Si I	BE93
30	10605.150	Y II	NJK91
1000 s	10614.84	Cf I	CWBV77
20	10660.970	Si I	BE93
3	10667.65	He I	M60a
6	10673.565	Ar I	N73
400	10677.246	Sb I	SM02
2	10683.034	Ar II	N73
150	10691.25	C I	J66
3 h	10717.42	In I	JL67
1	10733.87	Ar I	M73
300	10741.898	Sb I	SM02
6 h	10744.31	In I	JL67
2	10746.44	Na I	R56
1	10749.29	Na I	R56
1	10759.16	Ar I	M73
1000 P	10792.25	Cm I	WHGC76
60	10798.0429	Ne I	SS04
20 w	10807.88	Cs II	S81
6	10811.08	Mg I	KM91a
2	10812.896	Ar II	N73
300 P,s	10817.45	Np I	FTBC76
20	10827.088	Si I	BE93
150 P	10829.0911	He I	M02
500 P	10830.2501	He I	M02
1000 P	10830.3398	He I	M02
2	10834.87	Na I	R56
10	10838.37	Xe I	HM33
250	10839.571	Sb I	SM02
90	10844.4772	Ne I	SS04
20	10869.539	Si I	BE93
150	10879.698	Sb I	SM02
9	10913.05	He I	L70
11	10914.23	Mg II	KM91a
4	10914.88	Sr II	S38a
3	10917.10	He I	L70
70	10918.34	Te I	MV75
300	10923.32	Pa I	BW92b
12	10938.1	H I	RCWM80
10	10951.78	Mg II	KM91a
4	10953.32	Mg I	KM91a
4	10957.30	Mg I	KM91a
5	10965.45	Mg I	KM91a
120	11012.728	Sb I	SM02
700	11019.87	K I	R56
600	11022.67	K I	R56
2	11032.10	Mg I	KM91a
2	11033.66	Mg I	KM91a

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
400 P	11089.56	Te I	MV75
1	11106.46	Ar I	M73
300 P	11143.0200	Ne I	SS04
10	11167.84	U I	BW92b
500 P	11177.5240	Ne I	SS04
40	11183.23	P I	S80
15	11187.108	Kr I	KH69
1	11197.21	Na I	R56
50	11230.2547	Th I	PE83
90	11252.83	Ge I	HA64
50	11253.189	Al I	KM91b
60	11254.926	Al I	KM91b
30	11257.711	Kr I	KH69
25	11259.126	Kr I	KH69
60	11266.082	Sb I	SM02
200	11286.34	O I	M75b
200	11286.91	O I	M75b
150	11287.02	O I	M75b
150	11287.32	O I	M75b
1000 P,l	11293.14	Bk I	CWBC77
150	11295.10	O I	M75b
200	11297.68	O I	M75b
1000	11300.19	Cf I	CWBV77
200	11302.38	O I	M75b
5 P	11381.45	Na I	R56
15	11384.13	U I	BW92b
150	11390.4339	Ne I	SS04
12 P	11403.78	Na I	R56
90	11409.1343	Ne I	SS04
11	11454.407	Sn I	B64
80	11457.481	Kr I	KH69
250 P	11487.23	Te I	MV75
11	11488.109	Ar I	N73
1000 P,l	11500.30	Bk I	CWBC77
50 P	11512.82	Tl I	MM52
300 P	11522.7459	Ne I	SS04
150	11525.0194	Ne I	SS04
90	11536.3445	Ne I	SS04
1000 s	11575.34	Bk I	CWBC77
30	11601.5366	Ne I	SS04
25	11607.5752	Fe I	NJLT94
130	11614.0807	Ne I	SS04
70	11614.81	Ge I	HA64
9	11616.152	Sn I	B64
4 c	11626.4	He II	GM65
300	11646.78	Pa I	BW92b
100 P	11660.028	B I	EL01
50 P	11662.452	B I	El01
6	11668.710	Ar I	N73
1000	11681.85	Cf I	CWBV77
30	11688.0017	Ne I	SS04
25	11689.9756	Fe I	NJLT94
700 P	11690.21	K I	R56
300 l	11695.15	Np I	FTBC76
50 P,d	11710.83	Bi I	GMV85
250	11714.76	Ge I	HA64
11	11739.591	Sn I	B64
9	11742.01	Xe I	H73
90	11748.22	C I	JL65
140 P	11753.32	C I	JL65

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
110 P	11754.76	C I	JL65
150	11766.7924	Ne I	SS04
600 P	11769.62	K I	R56
700 P	11772.83	K I	R56
300 P,l	11776.64	Np I	FTBC76
130	11789.0435	Ne I	SS04
30	11789.8891	Ne I	SS04
1000 P	11791.73	Pa I	BW92b
25	11792.425	Kr I	KH69
1000 P,s	11793.09	Bk I	CWBC77
250	11819.377	Kr I	KH69
8 P	11828.17	Mg I	KM91a
1000	11834.28	Cm I	CBV76
15	11859.42	U I	BW92b
12	11863.229	Sb I	SM02
60	11882.8467	Fe I	NJLT94
30	11908.83	U I	BW92b
9	11932.82	Sn I	B64
1000 P	11941.33	Cf I	CWBV77
50	11949.12	Ga I	JL67
30	11969.12	He I	L70
100	11973.0498	Fe I	NJLT94
50 P	11984.201	Si I	BE93
70	11984.912	Ne I	SS04
30	11991.562	Si I	BE93
100	11997.105	Kr I	KH69
60 P	12031.503	Si I	BE93
200	12066.334	Ne I	SS04
500 P	12069.20	Ge I	HA64
25	12077.224	Kr I	KH69
5	12083.65	Mg I	KM91a
20	12095.36	Be II	J61a
20	12103.535	Si I	BE93
40	12109.78	Ga I	JL67
6	12112.326	Ar I	N73
30	12127.3016	Th I	PE83
1	12139.738	Ar I	N73
300 s	12148.18	Np I	FTBC76
1000 s	12159.05	Bk I	CWBC77
1000 P,l	12183.05	Cf II	CWBV77
90	12186.82	N I	M75a
150	12231.212	Pu I	BFG84
30	12231.9446	Th I	PE83
40	12235.24	Xe I	H73
10	12257.76	Xe I	H73
15	12270.692	Si I	BE93
300	12279.01	Pa I	BW92b
1	12343.393	Ar I	N73
1000 s	12352.72	Cf I	CWBV77
300 P,s	12377.42	Np I	FTBC76
400 P	12391.58	Ge I	HA64
6	12402.827	Ar I	N73
300 l	12407.99	Np I	FTBC76
	12432.24	K I	R56
1000 s	12437.48	Cf I	CWBV77
6	12439.321	Ar I	N73
3	12456.12	Ar I	N73
40	12459.389	Ne I	SS04
150	12464.02	O I	M75b
1000	12464.99	Cm I	CBV76

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
200 P	12469.62	N I	M75a
6	12487.663	Ar I	N73
	12522.11	K I	R56
20	12527.52	He I	L70
150	12570.04	O I	M75b
30	12590.20	Xe I	H73
11	12604.29	Cs II	S81
250 P	12623.399	Xe I	HP70b
30	12646.5347	Th I	PE83
5	12679.17	Na I	R56
60	12689.201	Ne I	SS04
4	12702.281	Ar I	N73
1	12733.418	Ar I	N73
20 c	12735.52	Cs II	S81
50	12784.99	He I	L70
1000 P,l	12787.41	Cf I	CWBV77
20	12790.57	He I	L70
6	12802.739	Ar I	N73
500	12816.04	Ca I	R68
20 P	12818.07	H I	MK00a
7	12845.96	He I	L70
15	12861.892	Kr I	KH69
500	12909.10	Ca I	R68
80	12912.014	Ne I	SS04
1 P	12912.59	In I	JL67
1	12933.195	Ar I	N73
14	12956.659	Ar I	N73
10	12968.45	He I	L70
14	12981.01	Sn I	B64
2	12984.89	He I	L70
1000	13004.56	Cm I	CBV76
6	13008.264	Ar I	N73
40 P	13013.2	Tl I	MM52
600	13033.57	Ca I	R68
90	13107.61	Ge I	HA64
60	13123.378	Al I	KM91b
50	13150.708	Al I	KM91b
250 P	13163.89	O I	M75b
250 P	13164.85	O I	M75b
200	13165.11	O I	M75b
200	13177.412	Kr I	KH69
25	13185.16	U I	BW92b
6	13213.99	Ar I	N73
40	13219.241	Ne I	SS04
6	13228.107	Ar I	N73
3	13230.90	Ar I	N73
300	13234.09	Pa I	BW92b
1	13235.17	Rb I	J61b
60	13247.75	Te I	MV75
1000	13258.18	Cm I	CBV76
14	13272.64	Ar I	N73
1000	13289.84	Cm I	CBV76
30	13313.210	Ar I	N73
1000 l	13329.98	Cf II	CWBV77
1000 s	13362.98	Cf I	CWBV77
30	13367.111	Ar I	N73
1000 P,l	13376.89	Cf II	CWBV77
	13377.86	K I	R56
	13397.09	K I	R56
50	13424.31	Cs I	S81

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
120	13429.61	N I	M75a
1 P	13429.96	In I	JL67
14	13459.2	Sn I	B64
1000 l	13474.44	Cf I	CWBV77
1000	13480.54	Cm I	CBV76
1000	13498.36	Bk I	CWBC77
1	13499.41	Ar I	N73
30	13504.191	Ar I	N73
1000 P	13522.40	Pa I	BW92b
25	13544.15	Xe I	H73
50	13570.21	Hg I	H53
200 P	13581.33	N I	M75a
600 P,c	13588.29	Cs I	S81
1000	13590.01	Cm I	CBV76
1	13599.333	Ar I	N73
140	13602.56	Cs I	S81
150	13622.415	Kr I	KH69
11	13622.659	Ar I	N73
400 P	13634.220	Kr I	KH69
1000	13644.77	Cm I	CBV76
200	13657.06	Xe I	H73
130	13658.394	Kr I	KH69
1	13665.01	Rb I	J61b
40	13673.51	Hg I	H53
6	13678.550	Ar I	N73
40 c	13692.91	Cs II	S81
30	13711.036	Kr I	KH69
30	13718.577	Ar I	N73
100	13738.851	Kr I	KH69
90	13758.81	Cs I	S81
1000	13789.52	Cm I	CBV76
300 l	13834.33	Np I	FTBC76
14 c	13868.82	Cs II	S81
1000	13908.46	Cm I	CBV76
10	13961.58	U I	BW92b
25	13974.027	Kr I	KH69
90	14045.657	Kr I	KH69
6	14093.640	Ar I	N73
25	14104.298	Kr I	KH69
120	14142.44	Xe I	H73
1000 s	14196.93	Bk I	CWBC77
1000	14235.27	Cm I	CBV76
80	14240.96	Xe I	H73
25	14241.64	P I	S80
1000	14334.52	Cm I	CBV76
1000 P	14344.76	Pa I	BW92b
40	14364.99	Xe I	H73
30	14402.22	Kr I	KH69
300 P	14426.793	Kr I	KH69
40	14513.51	Te I	MV75
15	14517.84	Kr I	KH69
1000	14563.41	Cm I	CBV76
1000	14580.23	Cm I	CBV76
6	14643.92	Be I	KM97
6	14644.75	Be I	KM97
14	14660.81	Xe I	H73
900 P,c	14694.91	Cs I	S81
300 P	14732.816	Xe I	HP70b
250	14734.436	Kr I	KH69
11 P	14752.41	Rb I	J61b

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
90	14762.672	Kr I	KH69
80	14765.472	Kr I	KH69
1	14767.48	Na I	R56
1000 l	14772.49	Cf II	CWBV77
1	14779.73	Na I	R56
400	14817.93	Se I	MV74
200	14822.38	Ge I	HA64
5	14877.53	Mg I	KM91a
500	14917.47	Se I	MV74
70	14961.894	Kr I	KH69
60 P	14999.852	Ba I	KL99
20	15005.307	Kr I	KH69
1000	15018.13	Cm I	CBV76
6 P	15025.00	Mg I	KM91a
5	15040.25	Mg I	KM91a
3	15046.50	Ar I	N73
4	15047.71	Mg I	KM91a
12	15083.64	He I	L70
10	15099.72	Xe I	H73
600	15151.44	Se I	MV74
	15163.08	K I	R56
	15168.40	K I	R56
1	15172.69	Ar I	N73
25	15209.526	Kr I	KH69
50	15230.714	Ne I	SS04
300	15239.615	Kr I	KH69
1000 s	15281.32	Cf I	CWBV77
9 P	15288.43	Rb I	J61b
2	15289.48	Rb I	J61b
20 c	15293.80	Cs II	S81
50	15295.82	Hg I	H53
20	15326.480	Kr I	KH69
250	15334.958	Kr I	KH69
15 c	15356.61	Cs II	S81
120	15372.037	Kr I	KH69
250	15418.39	Xe I	H73
25	15429.78	Th I	GBCZ74
60	15452.45	Te I	MV75
400	15471.00	Se I	MV74
30	15474.026	Kr I	KH69
90	15546.23	Te I	MV75
15	15557.13	Xe I	H73
1000	15587.12	Cf II	CWBV77
400	15618.40	Se I	MV74
200	15619.966	Y I	P77
1000	15675.92	Cf I	CWBV77
30	15681.02	Kr I	KH69
40	15711.52	P I	S80
8	15730.1	Cl I	RK69
20	15820.09	Kr I	KH69
25	15831.75	Th I	GBCZ74
14	15869.7	Cl I	RK69
25	15888.431	Si I	BE93
25	15979.54	Xe I	H73
1	15989.49	Ar I	N73
10	16039.90	Xe I	H73
100	16053.28	Xe I	H73
5	16157.72	Be I	HJ69
1	16373.85	Na I	R56
1	16388.85	Na I	R56

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
140	16403.90	Te I	MV75
11 c	16426.14	Cs II	S81
90	16482.92	P I	S80
1	16519.86	Ar I	N73
13	16535.63	Cs I	S81
12	16554.49	Xe I	H73
30	16590.07	P I	S80
400	16659.44	Se I	MV74
30	16726.513	Kr I	KH69
150	16728.15	Xe I	H73
30	16750.429	Al I	KM91b
1000 P	16759.06	Cf II	CWBV77
300	16785.128	Kr I	KH69
600	16813.78	Se I	MV74
5	16819.5	Ag I	S40
150	16853.488	Kr I	KH69
50	16890.38	C I	JL65
400 P	16890.441	Kr I	KH69
250	16896.753	Kr I	KH69
150	16897.369	Pu I	BFG84
300	16935.806	Kr I	KH69
14	16940.58	Ar I	N73
200	17002.47	He I	L70
25	17012.32	Cs I	S81
50	17072.79	Hg I	H53
100	17098.771	Kr I	KH69
5	17108.63	Mg I	KM91a
400	17123.808	Y I	P77
20	17161.929	Ne I	SS04
80	17303.54	Te I	MV75
25	17307.66	Th I	GBCZ74
150	17325.77	Xe I	H73
250	17366.720	Y I	P77
120	17367.606	Kr I	KH69
25	17381.91	Th I	GBCZ74
20	17404.443	Kr I	KH69
600 P	17422.838	Y I	P77
25	17481.04	Th I	GBCZ74
25	17584.52	Th I	GBCZ74
25	17616.854	Kr I	KH69
1000 s	17626.25	Cf I	CWBV77
500	17663.292	Y I	P77
110	17842.737	Kr I	KH69
1000 P	17903.209	Y I	P77
120	18002.229	Kr I	KH69
200	18021.21	O I	M75b
20	18035.812	Ne I	SS04
1000 P	18049.810	Y I	P77
40	18083.181	Ne I	SS04
9	18083.263	Ne I	SS04
1000	18115.296	Y I	P77
6	18143.54	Be I	KM97
400 P	18167.315	Kr I	KH69
900	18181.765	Y I	P77
15	18221.087	Ne I	SS04
13	18227.016	Ne I	SS04
200	18243.63	O I	M75b
140	18276.642	Ne I	SS04
100	18282.614	Ne I	SS04
110	18291.59	Te I	MV75

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
70	18303.967	Ne I	SS04
20	18359.094	Ne I	SS04
60	18384.826	Ne I	SS04
90	18389.937	Ne I	SS04
15	18399.786	Kr I	KH69
40	18402.836	Ne I	SS04
60	18422.402	Ne I	SS04
13	18458.640	Ne I	SS04
5 P	18465.25	Na I	R56
40	18475.800	Ne I	SS04
300	18478.61	Pa I	BW92b
1	18555.55	He I	M60a
25	18580.896	Kr I	KH69
70	18591.541	Ne I	SS04
100	18597.698	Ne I	SS04
16	18618.908	Ne I	SS04
20	18625.159	Ne I	SS04
6 c	18636.8	He II	GM65
500	18685.34	He I	L70
50	18696.294	Kr I	KH69
200	18697.23	He I	L70
2*	18703.01	Li I	REB95
2*	18703.11	Li I	REB95
2*	18703.14	Li I	REB95
1000 l	18718.69	Cf I	CWBV77
40 P,c	18751.01	H I	MK00a
30	18785.460	Kr I	KH69
40	18788.13	Xe I	H73
30	18797.703	Kr I	KH69
25	18811.88	Th I	GBCZ74
600	19046.14	Ca I	R68
1000 h	19068.71	Cf I	CWBV77
100	19089.38	He I	L70
1000	19309.20	Ca I	R68
1000 l	19336.96	Cf I	CWBV77
1000	19452.99	Ca I	R68
900	19505.72	Ca I	R68
20	19543.08	He I	L70
1000 l	19576.84	Cf I	CWBV77
1000	19776.79	Ca I	R68
700	19853.10	Ca I	R68
700	19862.22	Ca I	R68
12	20138.47	Cs I	S81
15	20187.19	Xe I	H73
25	20209.878	Kr I	KH69
300	20262.24	Xe I	H73
1000 l	20393.38	Cf I	CWBV77
50	20423.964	Kr I	KH69
25	20446.971	Kr I	KH69
500 P	20581.287	He I	M02
1	20616.23	Ar I	N73
1000 s	20869.98	Cf I	CWBV77
1	20986.11	Ar I	N73
30	21041.27	Ne I	SS04
40	21043.73	Te I	MV75
80	21120.07	He I	L70
10	21121.43	He I	L70
20	21132.03	He I	L70
100	21165.471	Kr I	KH69
800 P	21260.444	Y I	P77

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
800 P	21442.56	Se I	MV74
25	21470.09	Xe I	H73
500	21473.48	Se I	MV74
5	21655.3	H I	RCWM80
30	21708.11	Ne I	SS04
300	21902.513	Kr I	KH69
40	22052.1	Sc I	AV77
1	22056.44	Na I	R56
40	22065.4	Sc I	AV77
13	22247.36	Ne I	SS04
13	22428.14	Ne I	SS04
20	22485.775	Kr I	KH69
80	22530.38	Ne I	SS04
700 P	22543.828	Y I	P77
500	22624.93	Ca I	R68
600	22651.23	Ca I	R68
13	22661.79	Ne I	SS04
14	22811.86	Cs I	S81
20	23037.98	Cs I	S81
25	23100.48	Ne I	SS04
1	23133.20	Ar I	N73
120	23193.33	Xe I	H73
25	23253.07	Hg I	PBT55
50 P	23253.56	Ba I	KL99
40	23260.27	Ne I	SS04
11	23279.54	Xe I	H73
30	23340.416	Kr I	KH69
60	23344.47	Cs I	S81
1	23348.41	Na I	R56
50	23372.96	Ne I	SS04
1	23379.13	Na I	R56
30	23565.33	Ne I	SS04
170	23636.48	Ne I	SS04
12	23701.66	Ne I	SS04
60	23709.13	Ne I	SS04
110	23951.40	Ne I	SS04
50	23956.43	Ne I	SS04
1	23966.52	Ar I	N73
60	23978.16	Ne I	SS04
500 P	23990.450	Y I	P77
11	24098.57	Ne I	SS04
20	24161.43	Ne I	SS04
30	24249.61	Ne I	SS04
70	24251.21	Cs I	S81
20	24260.506	Kr I	KH69
30	24292.221	Kr I	KH69
70	24365.01	Ne I	SS04
40	24371.61	Ne I	SS04
14	24374.96	Cs I	S81
400	24385.99	Se I	MV74
20	24447.86	Ne I	SS04
30	24459.39	Ne I	SS04
17	24776.49	Ne I	SS04
200	24824.71	Xe I	H73
400	24920.894	Y I	P77
30	24928.89	Ne I	SS04
600	25127.43	Se I	MV74
20	25145.84	Xe I	H73
13	25161.70	Ne I	SS04
9	25220.37	Cs II	S81

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
100	25233.820	Kr I	KH69
60 P	25514.88	Ba I	KL99
50	25524.33	Ne I	SS04
15 d	25763.51	Cs I	SAV81
8	25764.73	Cs I	SAV81
8	26251.5	H I	RCWM80
200	26269.08	Xe I	H73
250	26510.86	Xe I	H73
10 P	26877.67	Li I	REB95
5 P	26878.36	Li I	REB95
25	28381.54	Xe I	H73
6	28386.20	Ne I	SS04
80	28582.25	Xe I	H73
30	28610.55	Kr I	KH69
150	28655.72	Kr I	KH69
25	28769.71	Kr I	KH69
25	28822.49	Kr I	KH69
50	29236.69	Kr I	KH69
11 c	29310.06	Cs I	S81
30	29384.41	Xe I	H73
15	29448.06	Xe I	H73
10	29649.58	Xe I	H73
10	29813.62	Xe I	H73
50 P	30103.27	Cs I	S81
6	30200.49	Ne I	SS04
60	30253.14	Xe I	H73
150	30475.46	Xe I	H73
10	30504.12	Xe I	H73
50	30663.54	Kr I	KH69
50	30794.18	Xe I	H73
3 c	30908.5	He II	GM65
10 c	30953.06	Cs I	S81
50	30979.16	Kr I	KH69
600 P	31069.23	Xe I	HP70b
12	31336.01	Xe I	H73
60	31607.91	Xe I	H73
5	31778.70	Be I	HJ69
10	32293.08	Xe I	H73
200	32739.26	Xe I	H73
8	33173.09	Ne I	SS04
17	33352.38	Ne I	SS04
400	33666.69	Xe I	H73
5	33899.81	Ne I	SS04
4	33903.02	Ne I	SS04
12	33913.10	Ne I	SS04
15	34014.67	Xe I	H73
4	34131.34	Ne I	SS04
40	34335.27	Xe I	H73
6	34471.43	Ne I	SS04
15	34744.00	Xe I	H73
20 P	34900.13	Cs I	S81
500 P	35070.26	Xe I	HP70b
11	35246.92	Xe I	H73
8	35834.81	Ne I	SS04
3	36131.00	Cs I	S81
25	36209.21	Xe I	H73
15	36231.74	Xe I	H73
40	36508.36	Xe I	H73
80	36788.83	Xe I	H73
14	38685.98	Xe I	H73

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
20	38737.82	Xe I	H73
25	38939.60	Xe I	H73
80	39300.6	Kr I	HPCA67
200	39486.52	Kr I	KH69
40	39557.25	Kr I	KH69
15	39572.60	Kr I	KH69
250	39588.4	Kr I	HPCA67
200	39589.6	Kr I	HPCA67
80	39954.8	Kr I	HPCA67
12	39955.14	Xe I	H73

Finding List—Continued

Intensity	Wavelength (Å)	Spectrum	Ref
50	39966.6	Kr I	HPCA67
	40158.37	K I	L70b
200	40306.1	Kr I	HPCA67
4	40478.90	He I	L70
15	40511.6	H I	RCWM80
40	40685.16	Kr I	KH69
4	46525.1	H I	RCWM80
6	74578	H I	RCWM80
3	123685	H I	RCWM80

5. Indices

5.1. Index by Atomic Number

5.2. Index by Chemical Symbol