

Table 2 Copper-Argon at low dispersion (400 l/mm gratings)

Line	Symbol	Line	Symbol	Line	Symbol	Line	Symbol
3729.309	ArII	4348.064	ArII	4904.752	ArII	5495.874	ArI
3737.889	ArII	4352.205	ArII	4933.209	ArII	5506.113	ArI
3765.55	ArII b	4362.066	ArII	4965.080	ArII	5524.957	ArI
3803.172	ArII	4367.832	ArII	4972.160	ArII	5528.93	ArI
3834.679	ArI	4370.753	ArII	5009.334	ArII	5534.45	ArI
3850.581	ArII	4375.954	ArII	5017.163	ArII	5540.90	ArI
3868.528	ArII	4379.667	ArII	5048.813	ArI	5554.050	ArII
3891.980	ArII	4385.057	ArII	5054.178	ArI	5558.702	ArI
3925.719	ArII	4400.76	ArII b	5062.037	ArII	5572.541	ArI
3928.623	ArII	4426.001	ArII	5090.495	ArII	5577.685	ArII
3932.547	ArII	4430.189	ArII	5105.541	CuI	5581.871	ArI
3946.097	ArII	4433.838	ArII	5118.202	ArI	5588.720	ArI
3948.979	ArI	4439.61	ArII b	5125.765	ArII	5597.476	ArI
3979.356	ArII	4448.879	ArII	5141.783	ArII	5601.122	ArI
3994.792	ArII	4474.759	ArII	5145.308	ArII	5606.733	ArI
4013.857	ArII	4481.811	ArII	5151.391	ArI	5618.010	ArII
4034.63	ArII b	4490.982	ArII	5162.285	ArI	5623.778	ArII
4044.418	ArI	4498.538	ArII	5165.773	ArII	5641.375	ArI
4052.921	ArII	4502.927	ArII	5177.540	ArI	5650.704	ArI w
4072.11	ArII b	4510.733	ArI	5187.746	ArI	5659.127	ArI
4079.574	ArII	4522.323	ArI	5214.77	ArI	5681.900	ArI
4103.912	ArII	4530.552	ArII	5218.202	CuI	5689.91	ArI w
4131.724	ArII	4545.052	ArII	5221.271	ArI	5700.873	ArI
4158.591	ArI	4563.743	ArII	5252.788	ArI	5739.520	ArI
4164.180	ArI	4579.350	ArII	5264.782	ArII	5772.114	ArI
4181.884	ArI	4589.899	ArII	5286.887	ArII	5782.130	CuI w
4190.37	ArI b	4596.097	ArI	5292.517	CuI	5786.555	ArII
4198.317	ArI	4598.763	ArII	5305.688	ArII	5789.474	ArI
4200.675	ArI	4609.567	ArII	5347.412	ArI	5802.080	ArI
4218.25	ArII b	4628.441	ArI	5358.363	ArII	5834.263	ArI
4222.637	ArII	4637.233	ArII	5373.494	ArI	5860.310	ArI
4227.77	ArII b	4657.901	ArII	5393.560	ArII	5882.624	ArI
4237.220	ArII	4702.316	ArI	5397.516	ArII	5888.584	ArI
4251.185	ArI	4721.591	ArII	5402.605	ArII	5912.085	ArI
4259.362	ArI	4726.868	ArII	5407.344	ArII	5916.599	ArI
4266.41	Ar b	4732.053	ArII	5410.473	ArI	5928.813	ArI
4272.169	ArI	4735.906	ArII	5421.352	ArI	5942.669	ArI
4277.528	ArII	4764.865	ArII	5439.989	ArI	5949.258	ArI
4282.898	ArII	4806.021	ArII	5443.24	ArI	5964.472	ArI
4300.101	ArI w	4847.810	ArII	5451.652	ArI	5968.320	ArI
4309.239	ArII	4865.911	ArII	5457.416	ArI	5971.601	ArI
4331.200	ArII w	4876.261	ArI	5467.161	ArI	5987.302	ArI
4333.561	ArI	4879.864	ArII	5473.452	ArI	5998.999	ArI
4345.168	ArI	4889.042	ArII	5490.119	ArI	6005.724	ArI

Table 2: Copper-Argon at low dispersion (400 l/mm gratings; continued)

Line	Symbol	Line	Symbol	Line	Symbol	Line	Symbol
6013.678	ArI	6278.645	ArI	6719.218	ArI	7392.980	ArI
6025.150	ArI	6296.872	ArI	6722.890	ArI	7435.368	ArI
6032.127	ArI	6307.657	ArI	6752.834	ArI	7503.869	ArI
6043.223	ArI	6324.416	ArII	6756.163	ArI	7514.652	ArI
6052.723	ArI	6333.146	ArII	6766.612	ArI	7635.106	ArI
6059.373	ArI	6357.15	ArII b	6779.933	ArI	7723.98	ArI b
6064.751	ArI	6364.894	ArI	6818.291	ArI	7851.075	ArI
6081.243	ArI	6369.575	ArI	6827.249	ArI	7948.176	ArI
6085.880	ArI	6384.717	ArI	6861.269	ArII	8006.157	ArI
6090.785	ArI	6403.013	ArII	6871.289	ArI	8014.786	ArI
6098.803	ArI	6416.307	ArI	6879.582	ArI	8053.309	ArI
6105.635	ArI	6431.555	ArI	6887.81	ArI b	8103.693	ArI
6114.923	ArII	6442.75	ArII b	6937.664	ArI	8115.311	ArI
6119.657	ArI	6466.553	ArI	6951.478	ArI	8264.522	ArI
6123.362	ArII	6483.083	ArII	6965.431	ArI	8384.724	ArI
6127.84	ArI b	6493.969	ArI	7030.251	ArI	8392.28	ArI
6138.656	ArII	6499.106	ArI	7067.218	ArI	8408.210	ArI
6142.05	ArI	6538.112	ArI	7086.704	ArI	8424.647	ArI
6145.441	ArI	6595.114	ArI	7107.478	ArI	8521.442	ArI
6155.239	ArI	6604.853	ArI	7125.820	ArI	8605.776	ArI
6165.123	ArI	6632.084	ArI	7147.042	ArI	8620.460	ArI
6170.174	ArI	6638.70	ArII b	7158.839	ArI	8667.944	ArI
6172.60	Ar b	6643.698	ArII	7206.980	ArI	8761.686	ArI
6179.419	ArI	6656.939	ArI	7265.172	ArI	9122.967	ArI
6187.135	ArII	6660.676	ArI	7272.936	ArI	9194.639	ArI
6201.100	ArII	6664.051	ArI	7311.716	ArI	9224.499	ArI
6212.503	ArI	6666.359	ArII	7316.005	ArI	9291.531	ArI
6215.938	ArI	6677.282	ArI	7353.293	ArI	9354.220	ArI
6243.120	ArII	6684.293	ArII	7372.118	ArI	9657.786	ArI
6248.406	ArI	6698.876	ArI	7383.981	ArI	9784.503	ArI

Notes to table 2

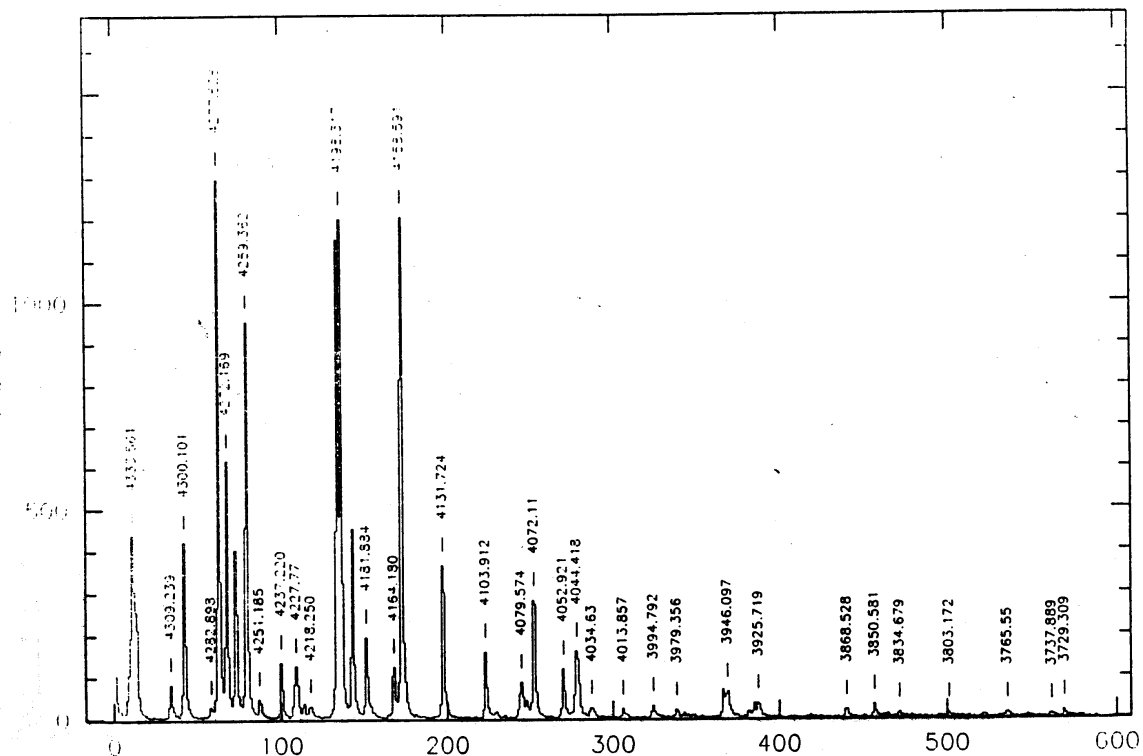
Line	
3765.55	ArII, blend of 3765.270 (2) and 3766.119 (1)
4034.63	ArII, blend of 4033.8093 (1) and 4035.4600 (1)
4072.11	ArII, blend of 4072.005 (3) and 4072.385 (1)
4190.87	ArI, blend of 4190.714 and 4191.029
4218.25	ArII, blend of 4218.665 (2) and 4217.431 (1)
4227.77	ArII, blend of 4226.988 (1) and 4228.158 (2)
4266.41	Ar, blend of ArI 4266.286 (1) and ArII 4266.527 (1)
4300.101	ArI, weak ArII at 4300.650
4333.561	ArI, weak ArI at 4335.338
4400.76	ArII, blend of 4400.0968 (1) and 4400.9863 (3)
4439.61	ArII, blend of 4439.461 (7) and 4439.878 (4)
5650.704	ArI, weak ArI at 5648.6863
5689.91	ArI, weak ArI at 5691.6612
5782.130	CuI, weak ArI at 5783.536
6127.84	ArI, blend of 6121.416 (2) and 6128.723 (1)
6172.60	Ar, blend of ArII 6172.278 (3) and ArI 6173.096 (2)
6357.15	ArII, blend of 6357.023 and 6357.678
6442.75	ArII, blend of 6441.8994 (2) and 6443.8598 (1)
6638.70	ArII, blend of 6638.221 (2) and 6639.740 (1)
6887.81	ArI, blend of 6888.174 (2) and 6887.088 (1)
7723.98	ArI, blend of 7723.7611 and 7724.2072 at equal intensities

Figure 2: The Copper-Argon spectrum at low dispersion (400 l/mm gratings)

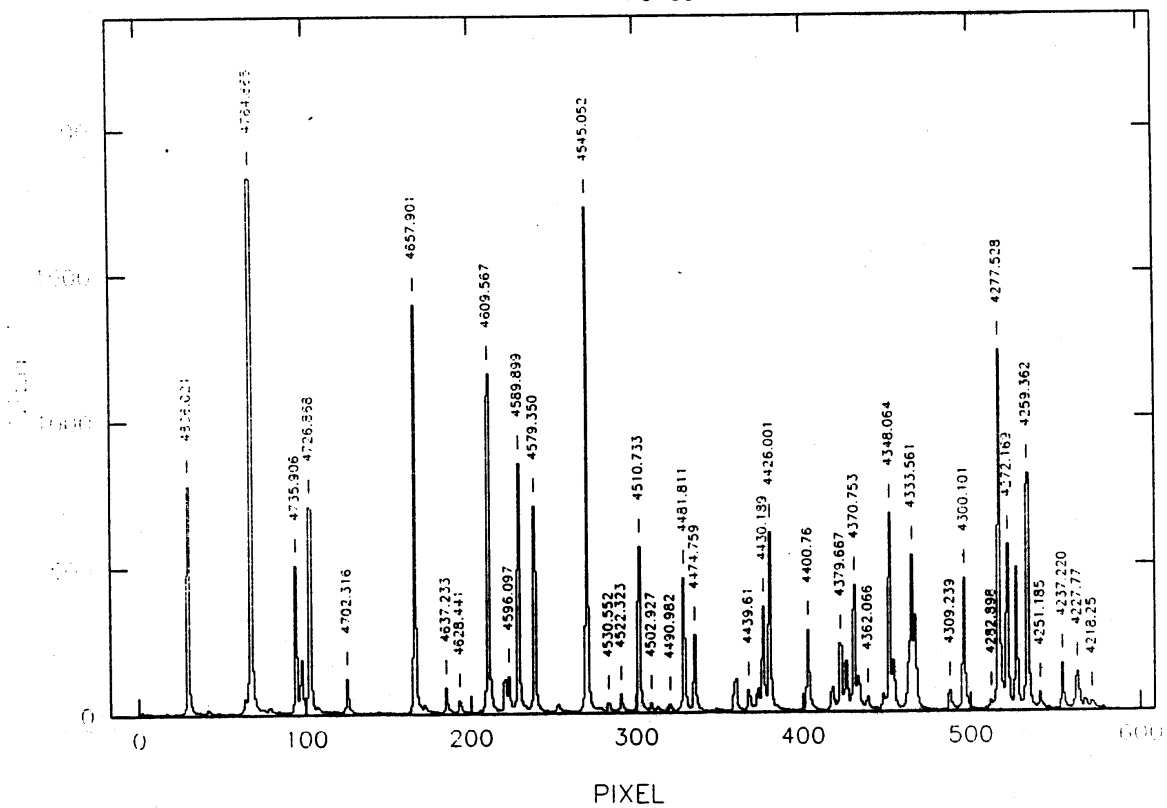
Notes to figure 2

Spectrum	Copper-Argon (Cu-Ar) from 3700 to 9800 Angstrom	
Camera	IDS 500 mm	
Detector	GEC 3 "GEC BLUE"	
Gratings	R400V for the region 4000 A - 6000 A R400R for the region 6000 A - 9500 A	
Collimator	Al Wide	
Dispersion	49 A/mm or 0.927 pixel/A	
Exposure times	4000 - 6500 Angstrom	600 seconds
	7000	30 seconds
	7500	20 seconds
	8000 & 9500	30 seconds

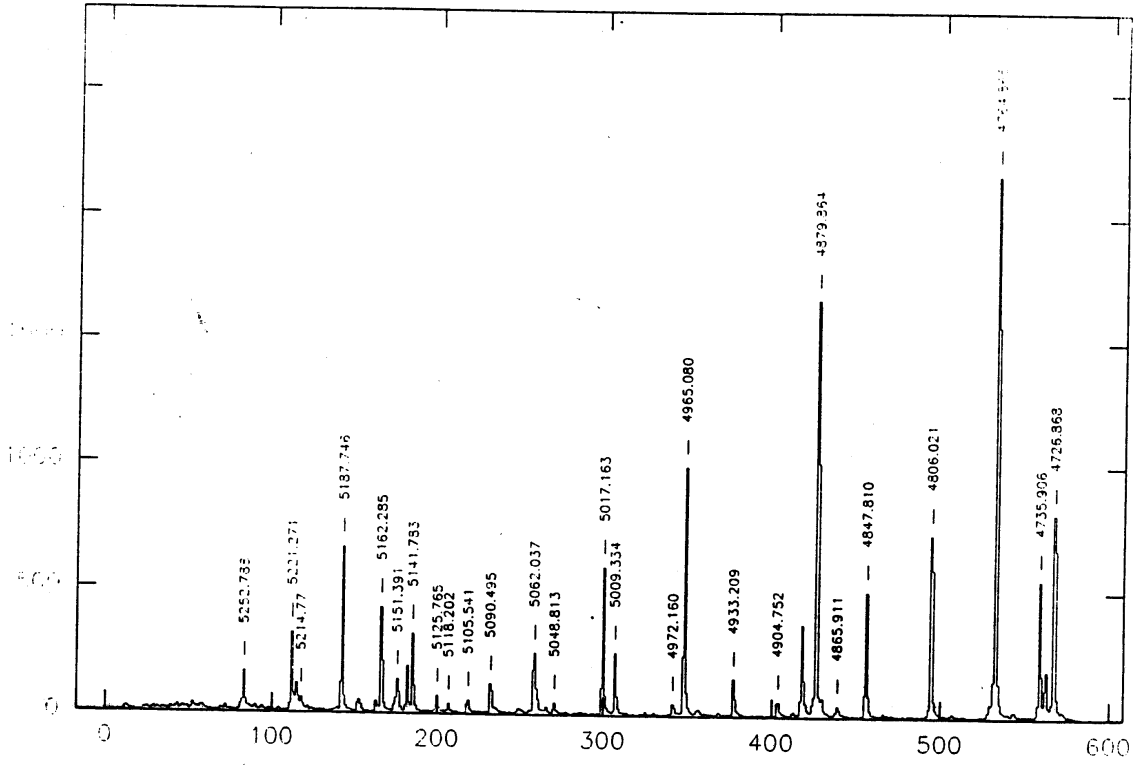
ARC CUAR R400V 4000



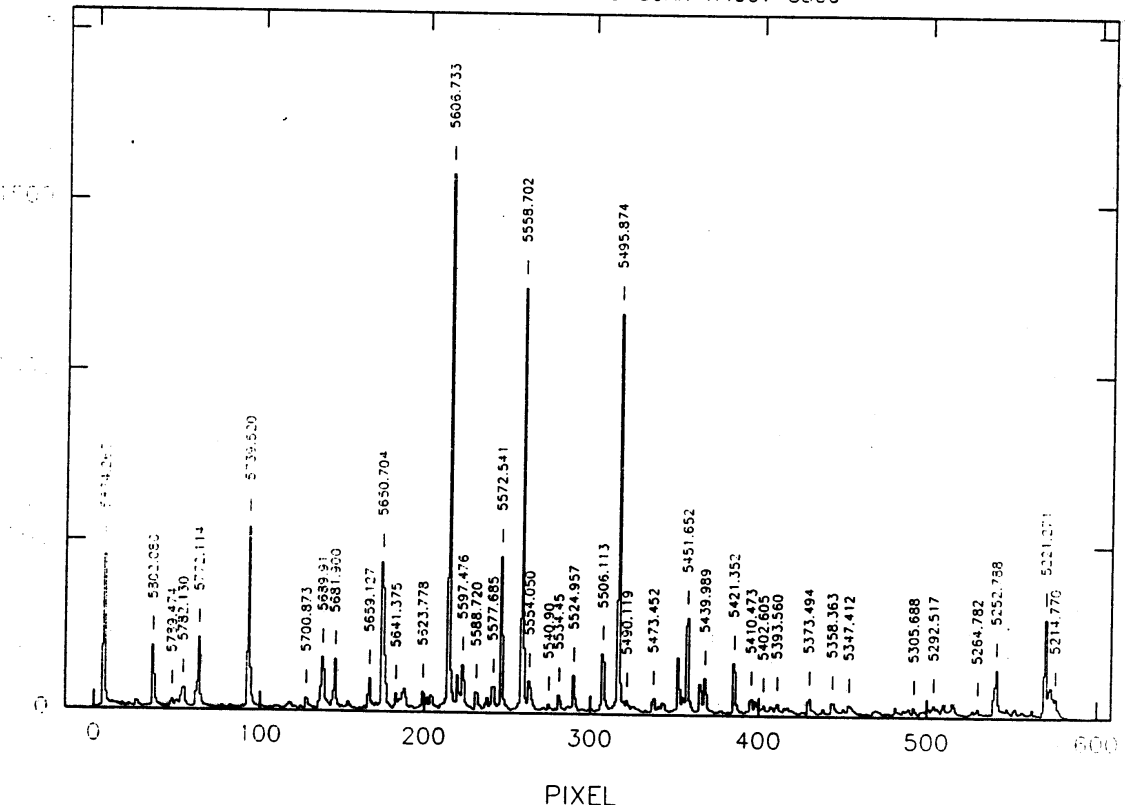
ARC CUAR R400V 4500

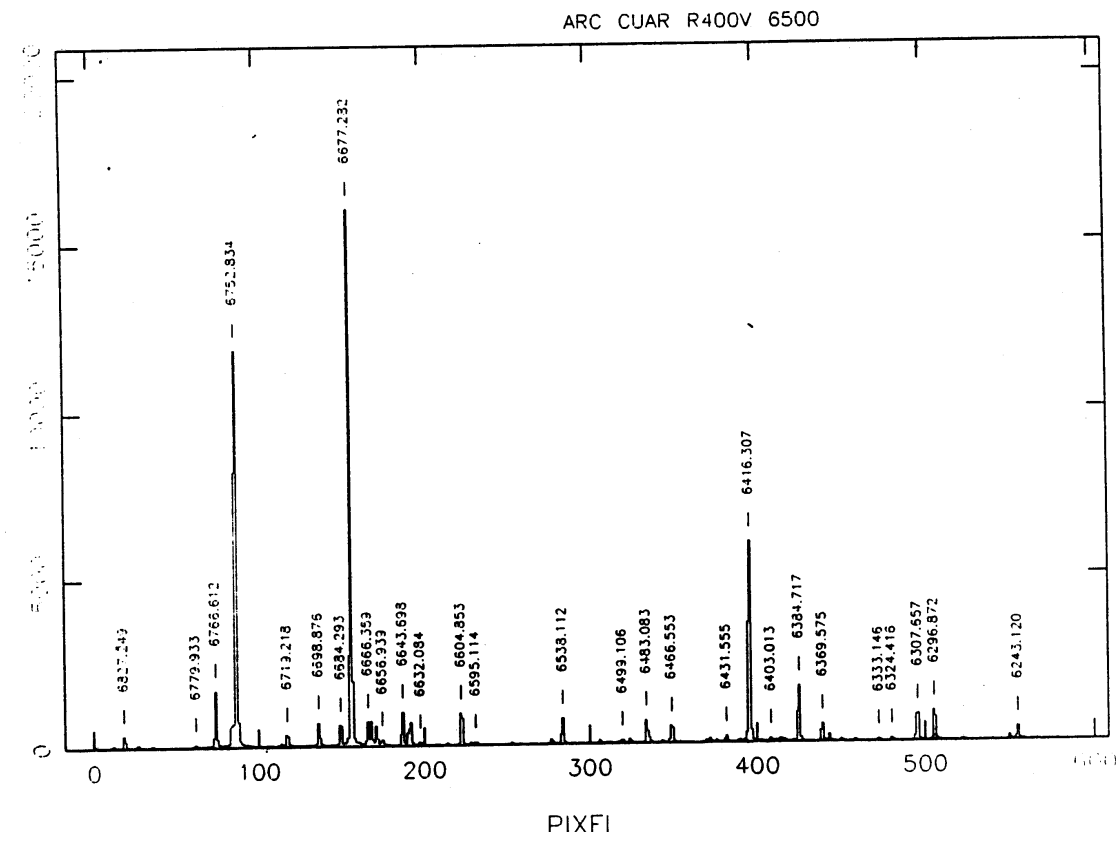
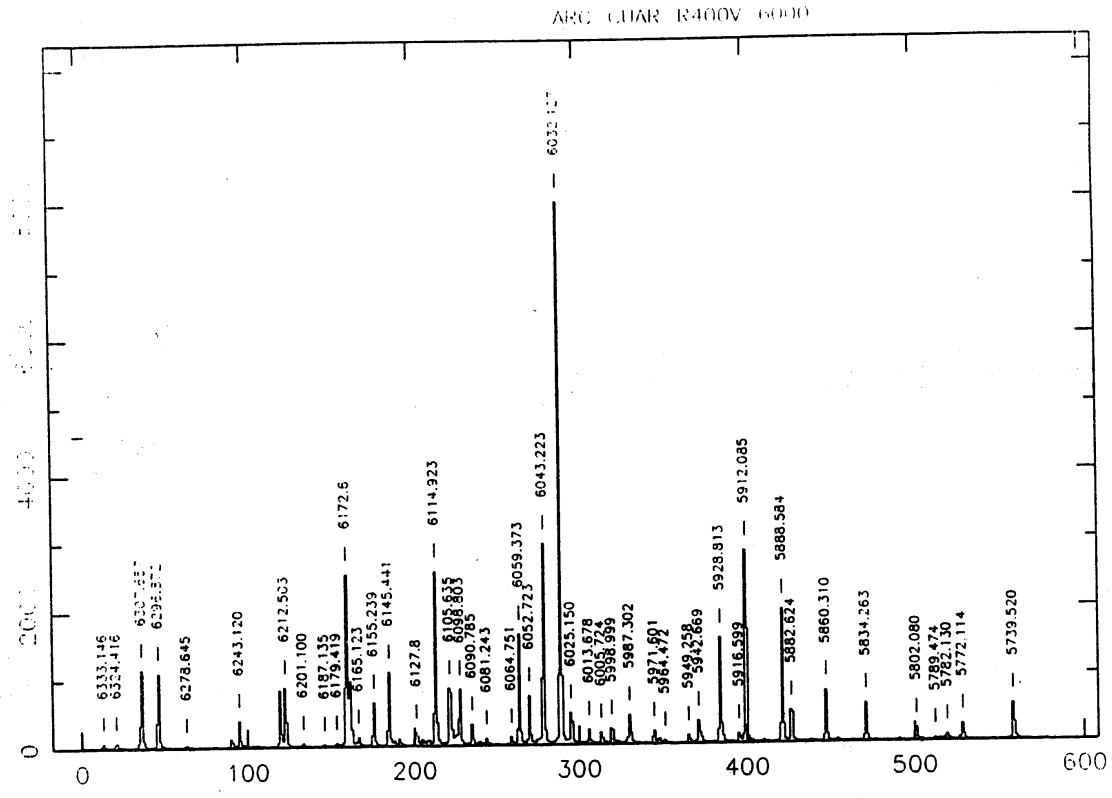


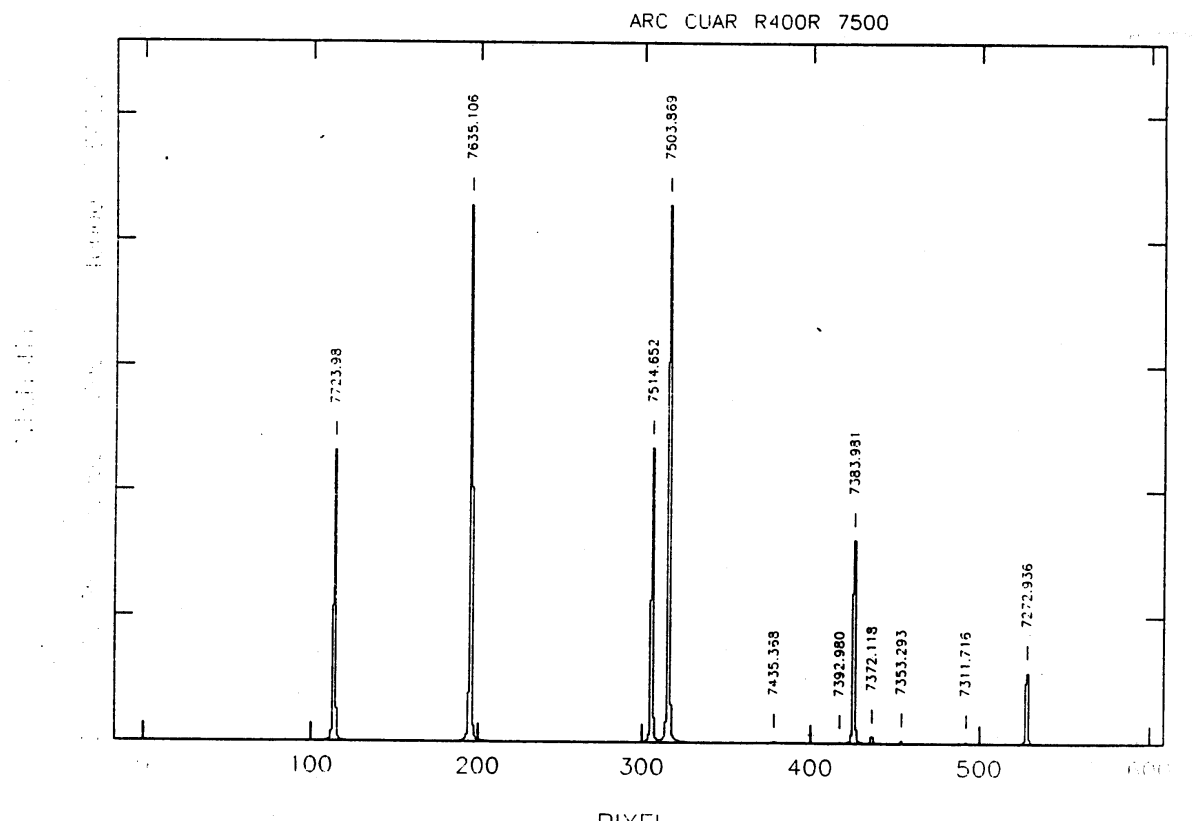
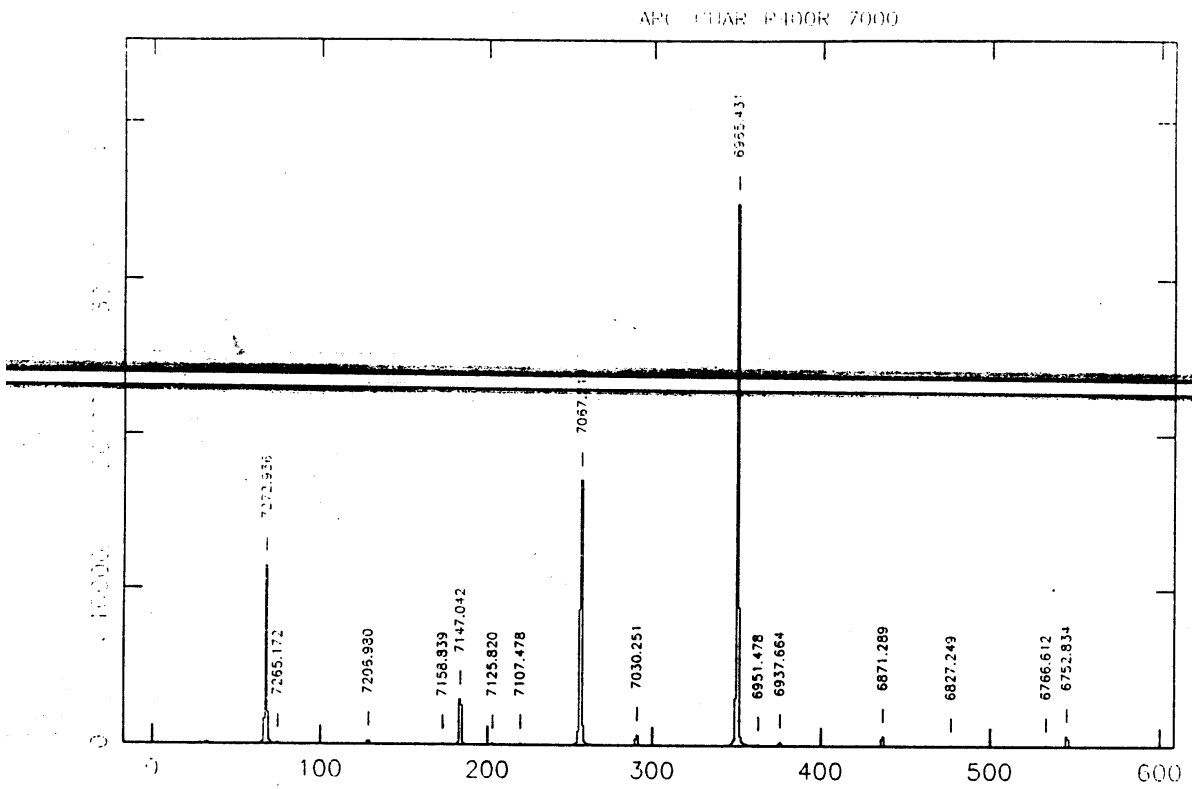
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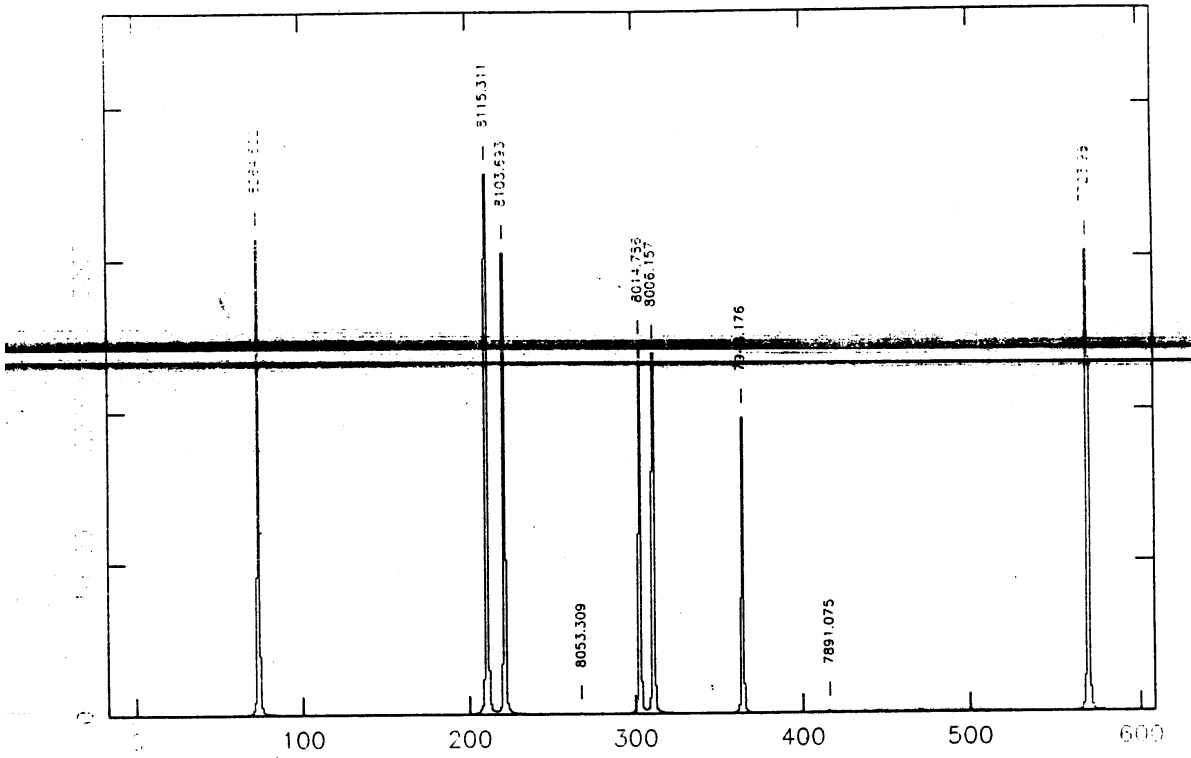
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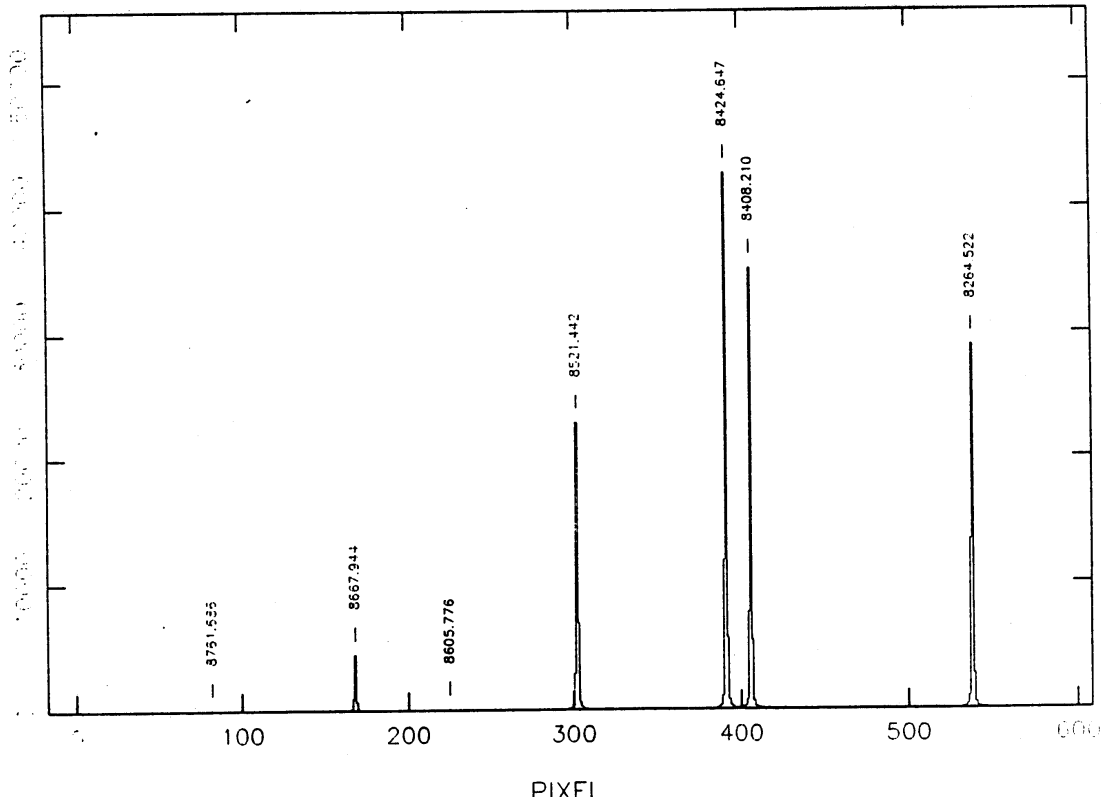




ARC CUAR R400R 2000

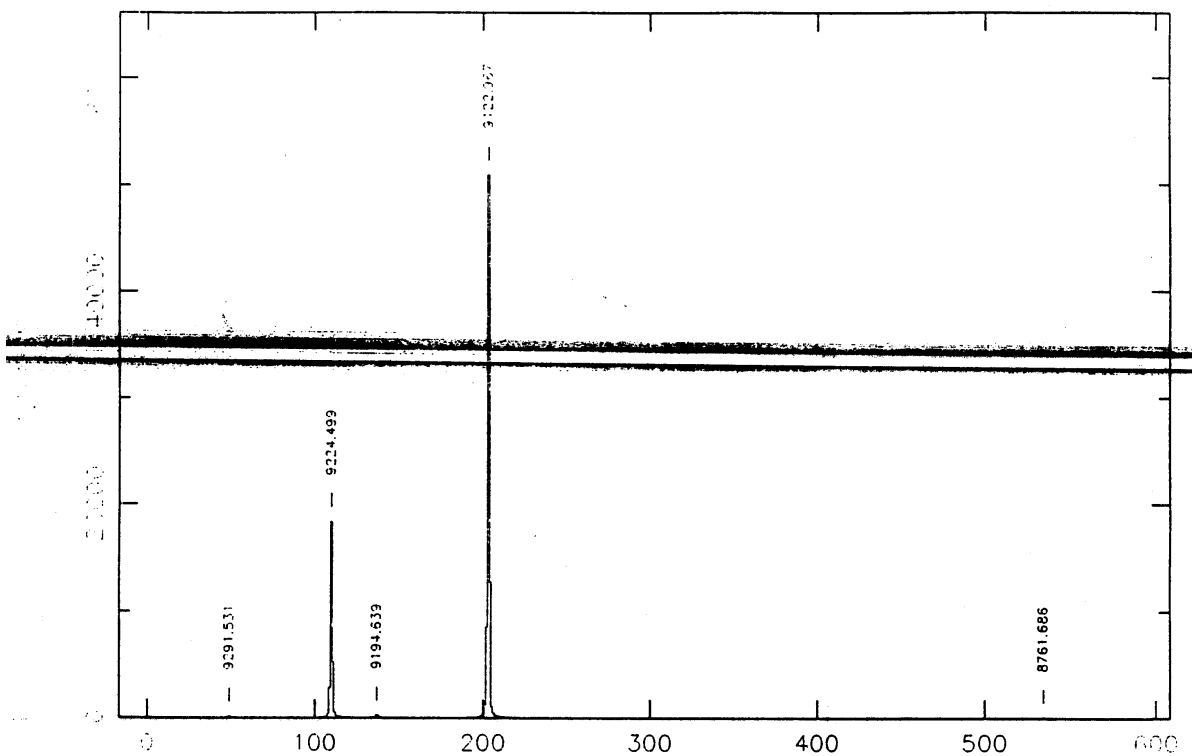


ARC CUAR R400R 8500



PIXFI

ARC CUAR R400R 9000



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