A CCD Atlas of Helium/Neon/Argon Spectra

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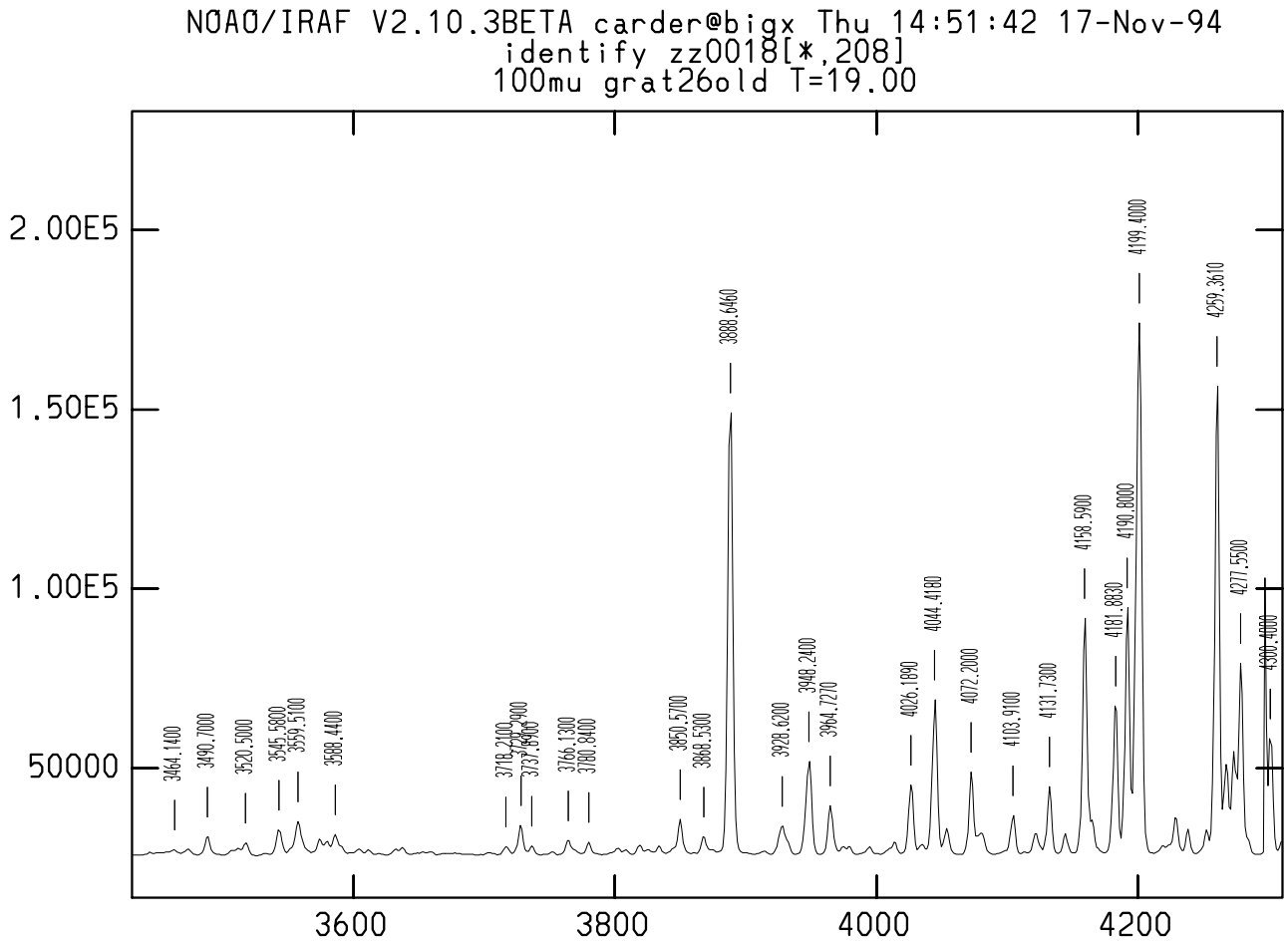
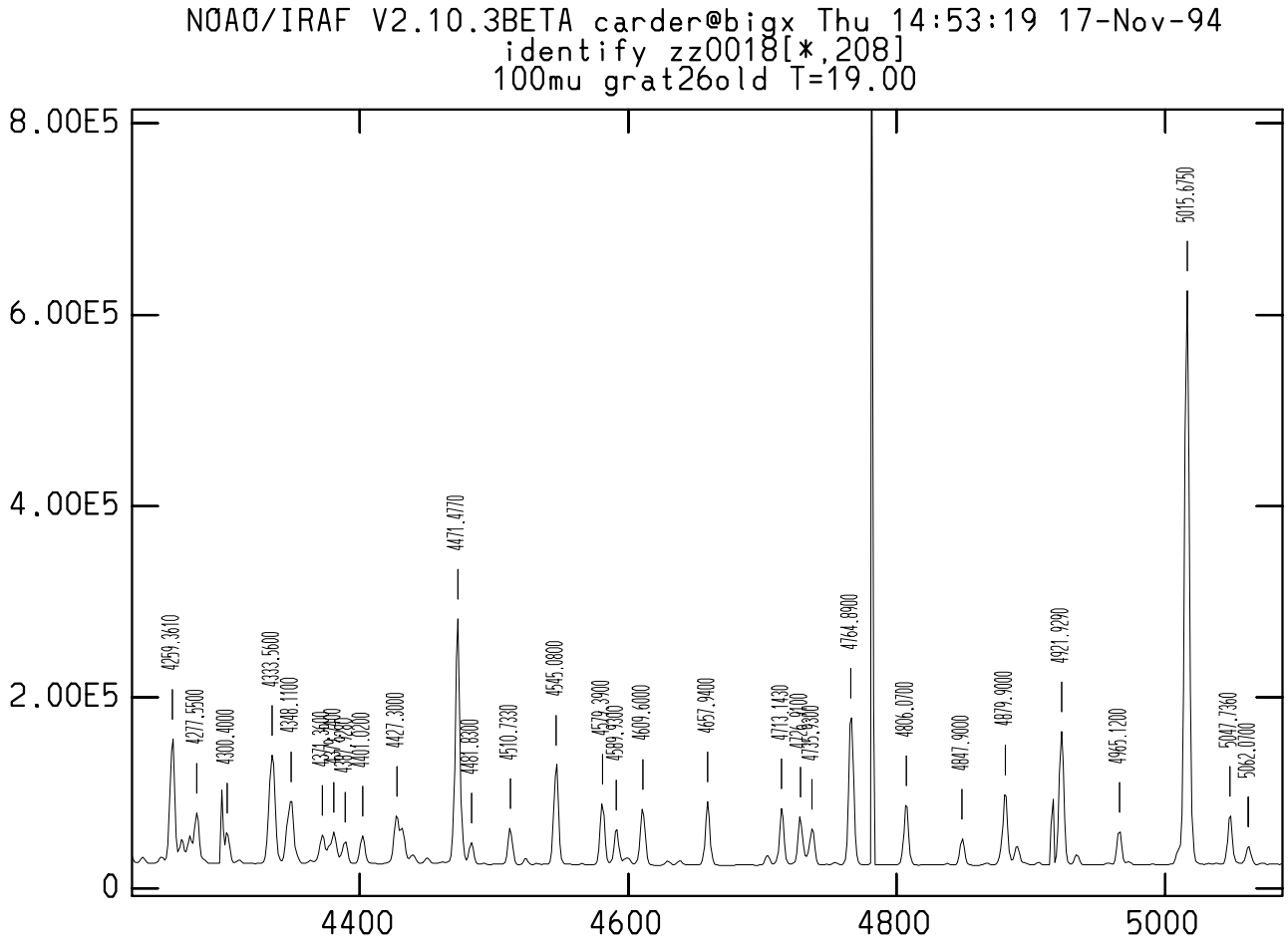
Abstract

The enclosed HeNeAr spectra is solely for the use of line identification in conjunction with the Gold Camera and is not intended as a HeNeAr reference manual. Please refer to "A CCD Atlas of Comparison Spectra" by Daryl Willmarth for complete, high resolution HeNeAr identification. The spectra included in this manual have been taken from comparison data, from the Gold Camera, using gratings No. 26 and 58. Dispersion solutions were fit to the spectra using IDENTIFY in IRAF, with henear.dat as the user coordinate list. Each grating was done separately.

1 HeNeAr Spectra




NOAO/IRAF V2.10.3BETA carder@bigx Thu 14:53:19 17-Nov-94
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8.00E5
6.00E5
4.00E5
2.00E5
0
4400
4600
4800
5000
4259.3610
4277.5500
4300.4000
4333.5600
4348.1100
4427.3000
4471.4770
4481.8300
4510.7330
4545.0800
4579.3900
4589.9300
4609.6000
4657.9400
4713.1430
4726.9100
4735.9800
4764.8900
4806.0700
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4879.9000
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4965.1200
5015.6750
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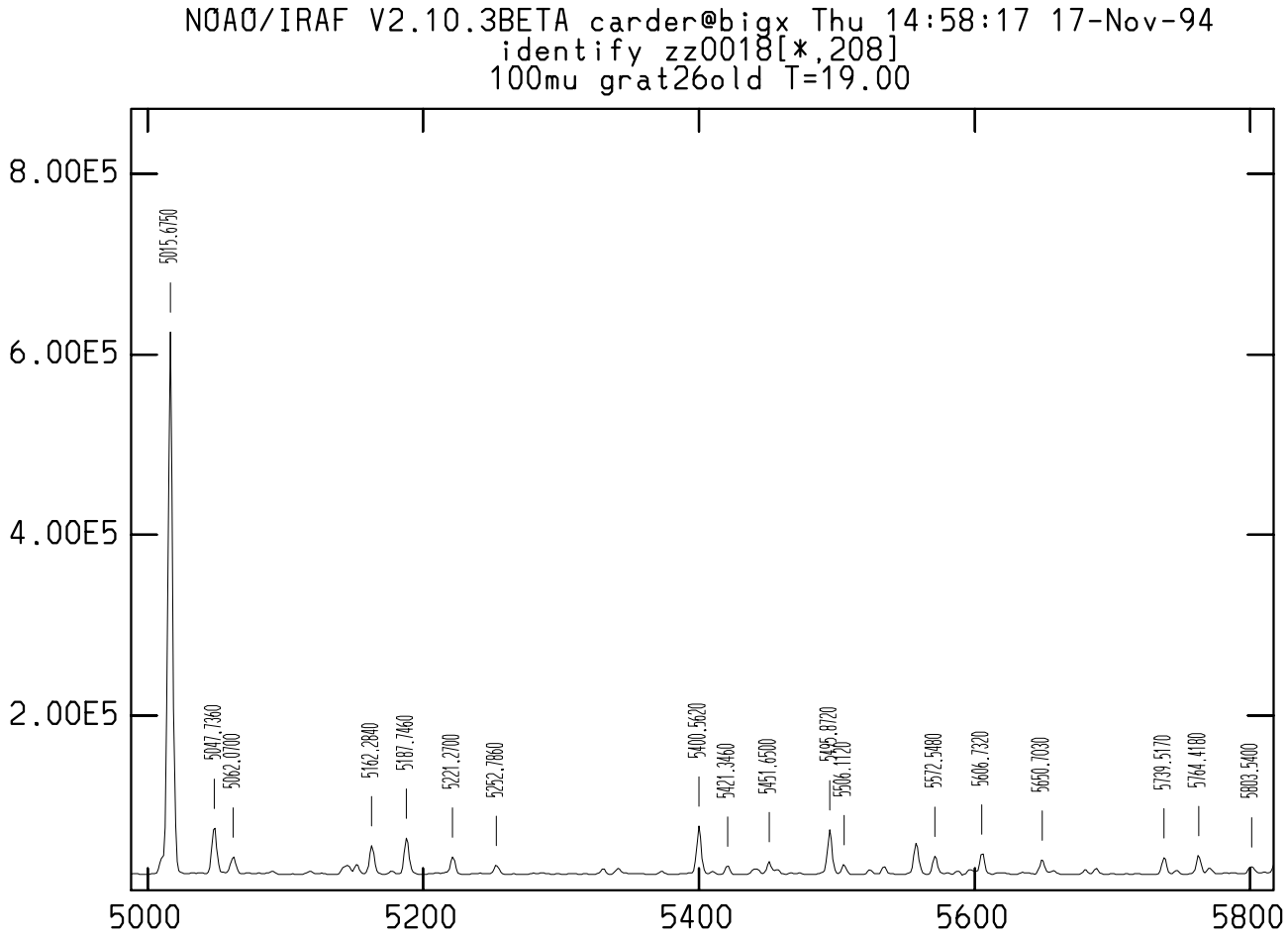
5062.0700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6.00E5
4.00E5
2.00E5
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5200
5400
5600
5800
5015.6750
5047.7360
5062.0700
5162.2840
5187.7460
5221.2700
5252.7860
5400.5620
5421.3460
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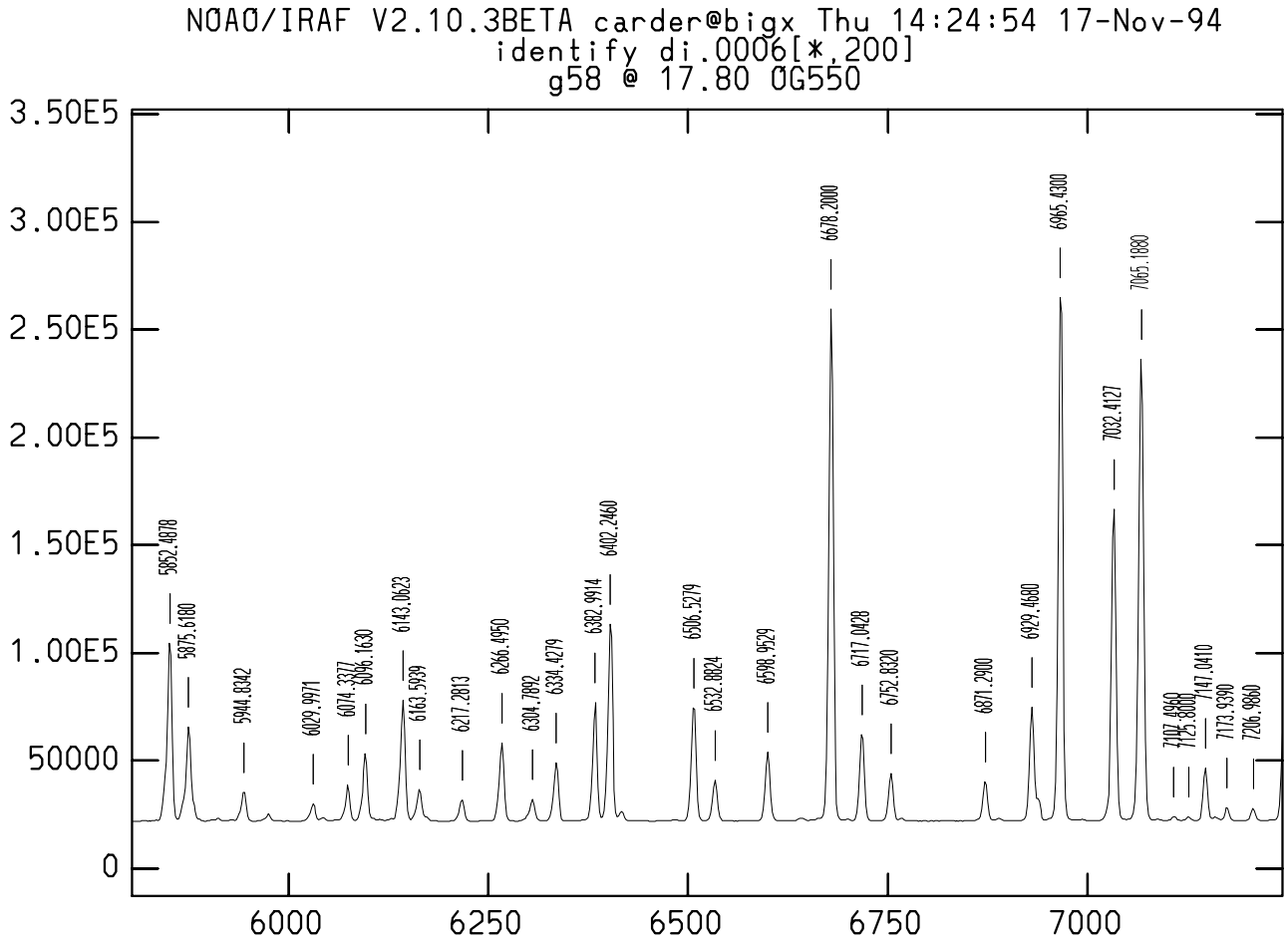
5803.5400


NOAO/IRAF V2.10.3BETA carder@bigx Thu 14:24:54 17-Nov-94
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g58 @ 17.80 0G550
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3.00E5
2.50E5
2.00E5
1.50E5
1.00E5
50000
0
6000
6250
6500
6750
7000
5852.4878
5875.6180
5944.8342
6029.9971
6074.3377
6096.1630
6143.0623
6163.5939
6217.2813
6266.4950
6304.7892
6334.4279
6382.9914
6402.2460
6506.5279
6532.8824
6598.9529
6678.2000
6717.0428
6752.8320
6871.2900
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6965.4300
7032.4127
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7147.0410
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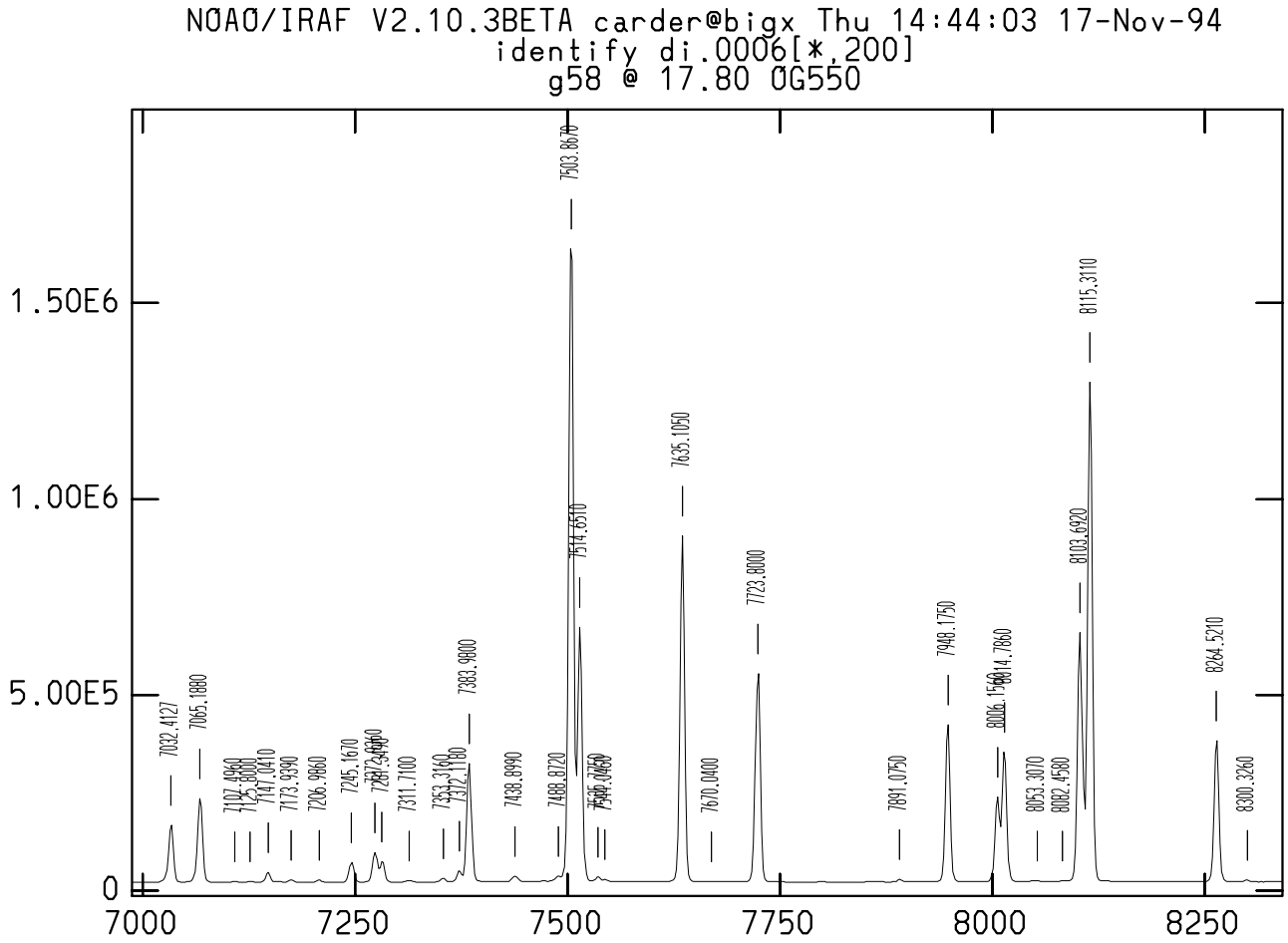
7206.9860


NOAO/IRAF V2.10.3BETA carder@bigx Thu 14:44:03 17-Nov-94
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g58 @ 17.80 OG550
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1.00E6
5.00E5
0
7000
7250
7500
7750
8000
8250
7032.4127
7065.1880
7245.1670
7311.7100
7353.3160
7383.9800
7438.8940
7488.8720
7503.8670
7514.6510
7635.1050
7670.0400
7723.8000
7891.0750
7948.1750
8053.3070
8082.4580
8115.3110
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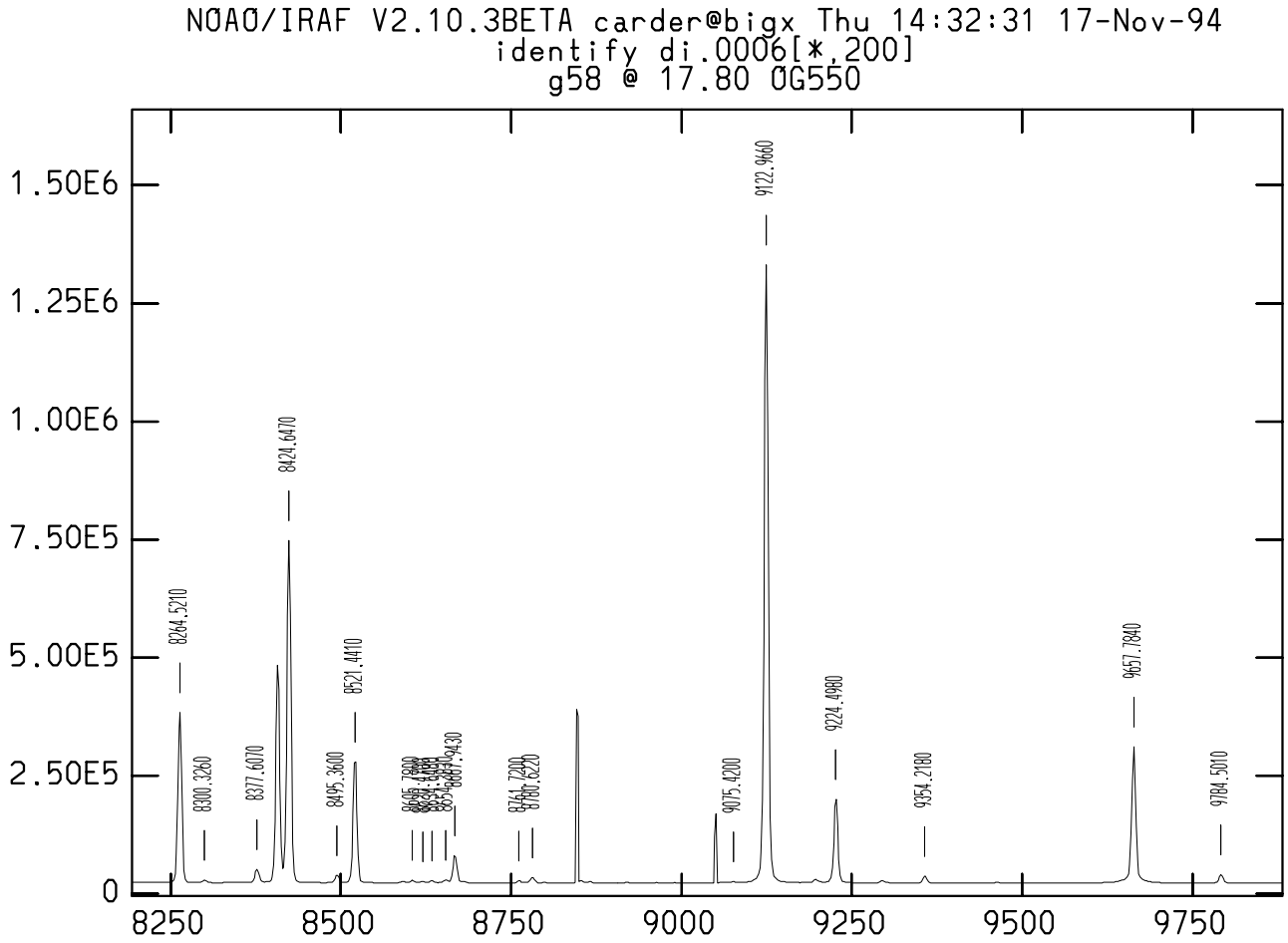
8300.3260


NOAO/IRAF V2.10.3BETA carder@bigx Thu 14:32:31 17-Nov-94
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g58 @ 17.80 0G550
1.50E6
1.25E6
1.00E6
7.50E5
5.00E5
2.50E5
0
8250
8500
8750
9000
9250
9500
9750
8264.5210
8300.3260
8377.6070
8421.6470
8495.3600
8521.4410
8687.9430
8761.7200
8780.2220
9075.4200
9122.9660
9224.4980
9354.2180
9657.7840
9784.5010