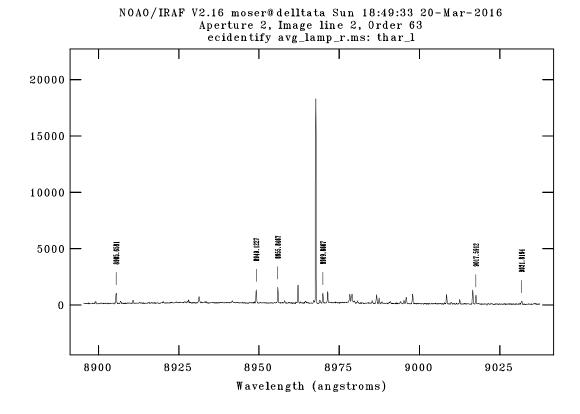
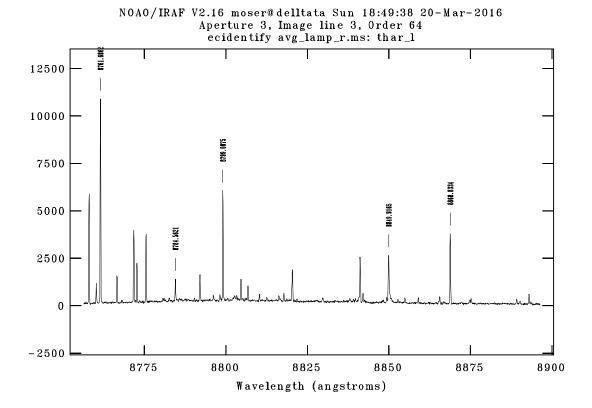
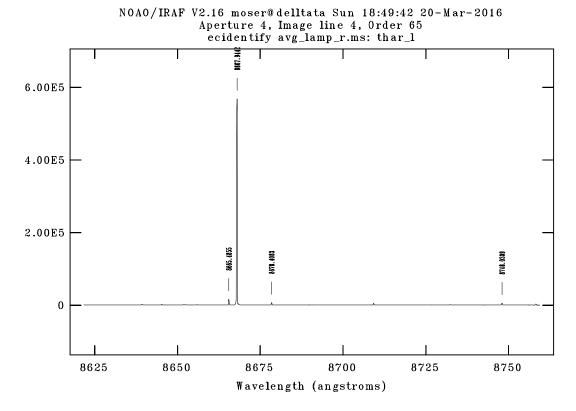
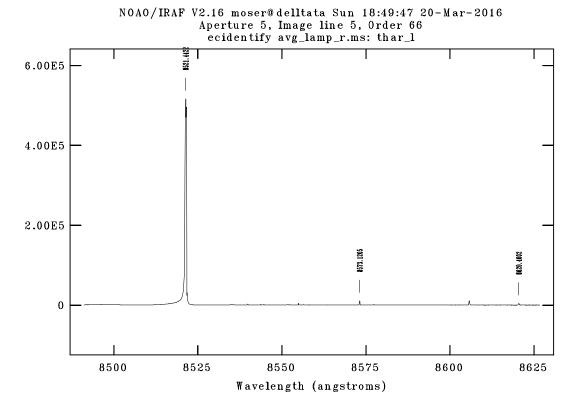
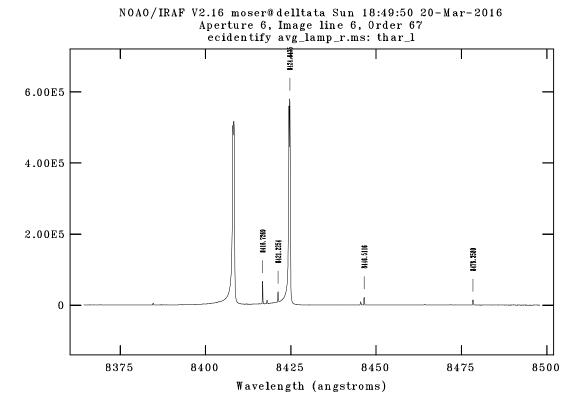
NOAO/IRAF V2.16 moser@delltata Sun 18:49:25 20-Mar-2016 Aperture 1, Image line 1, Order 62 ecidentify avg_lamp_r.ms: thar_l 6.00E5 5.00E5 4.00E5 3.00E5 2.00E5 1.00E5 0 -1.00E5 9050 9075 9100 9125 9150 9175 Wavelength (angstroms)

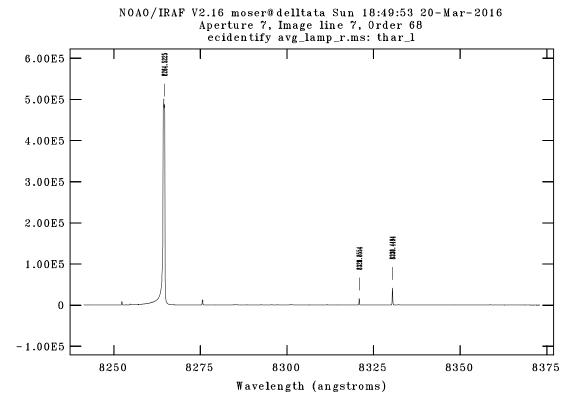






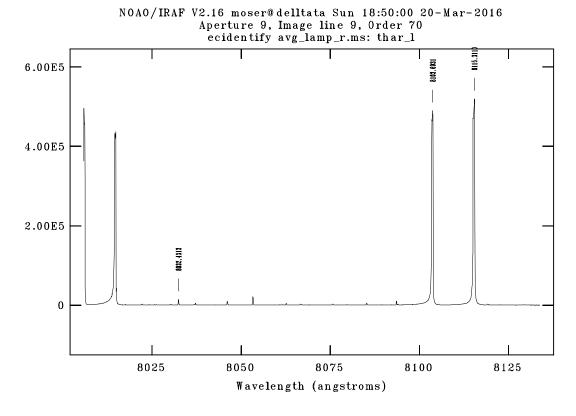


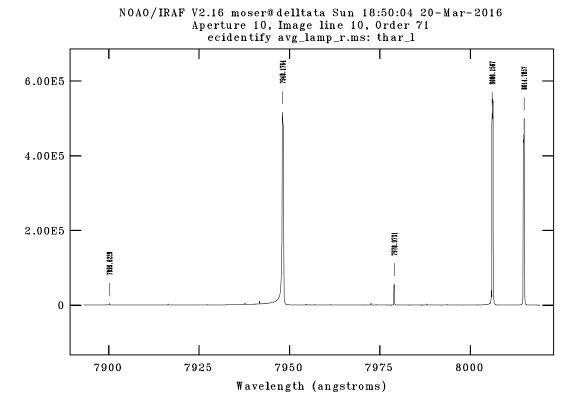


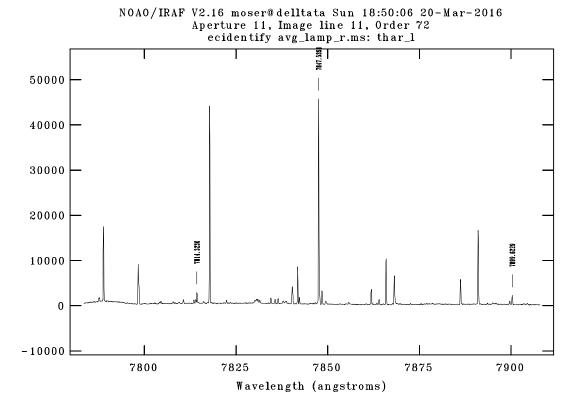


NOAO/IRAF V2.16 moser@delltata Sun 18:49:56 20-Mar-2016 Aperture 8, Image line 8, Order 69 ecidentify avg_lamp_r.ms: thar_l

Wavelength (angstroms)



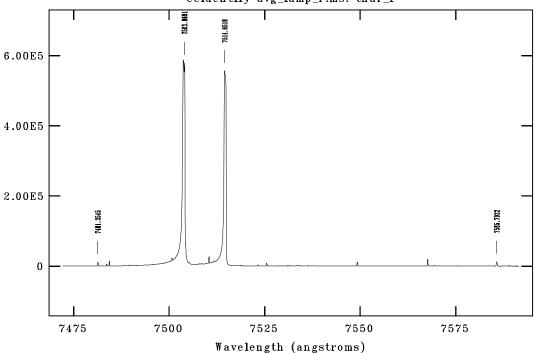


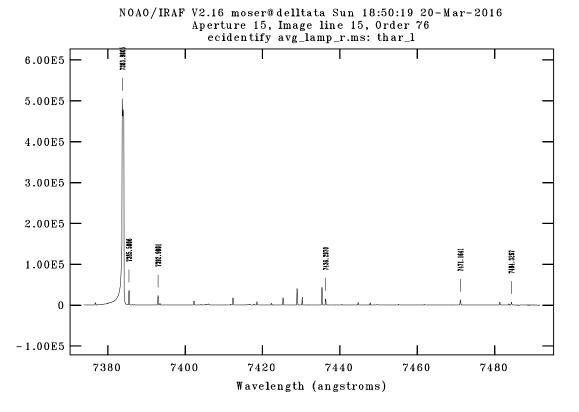


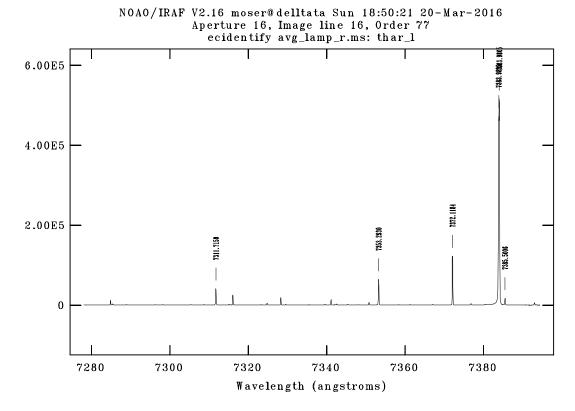
NOAO/IRAF V2.16 moser@delltata Sun 18:50:09 20-Mar-2016 Aperture 12, Image line 12, Order 73 ecidentify avg_lamp_r.ms: thar_l 6.00E5 4.00E5 2.00E5 7728.9510 0 7675 7700 7725 7750 7775 7800 Wavelength (angstroms)

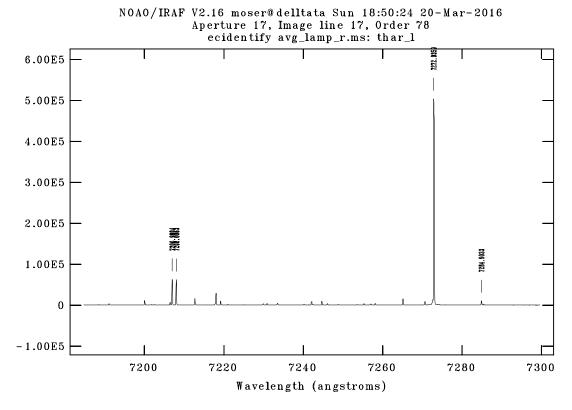
NOAO/IRAF V2.16 moser@delltata Sun 18:50:12 20-Mar-2016 Aperture 13, Image line 13, Order 74 ecidentify avg_lamp_r.ms: thar_l 6.00E5 4.00E5 2.00E5 7647.3794 0 7600 7625 7650 7675 7575 Wavelength (angstroms)

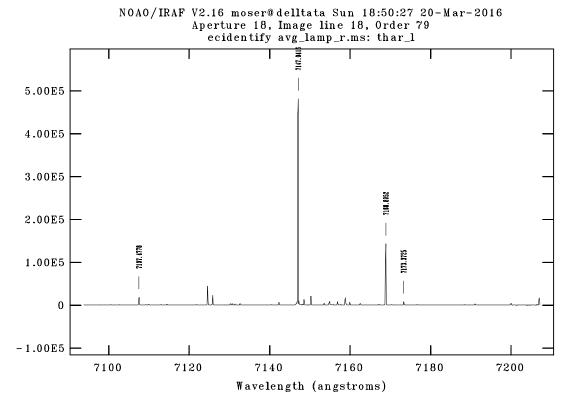
NOAO/IRAF V2.16 moser@delltata Sun 18:50:14 20-Mar-2016 Aperture 14, Image line 14, Order 75 ecidentify avg_lamp_r.ms: thar_l

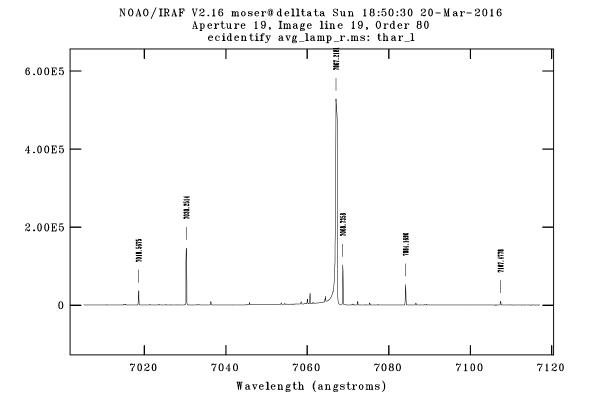


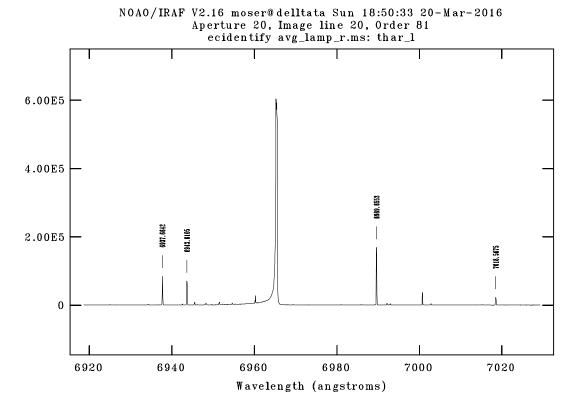


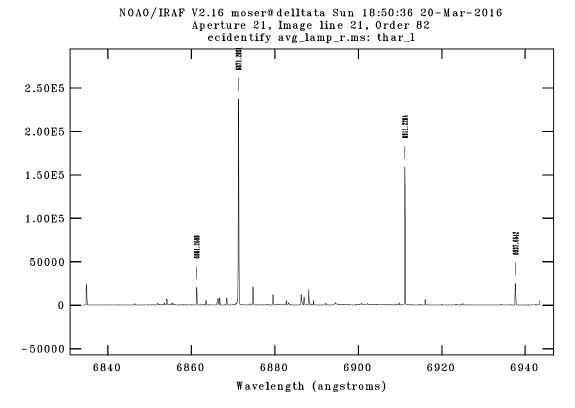




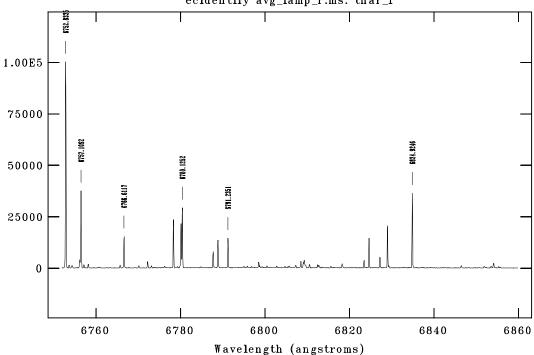


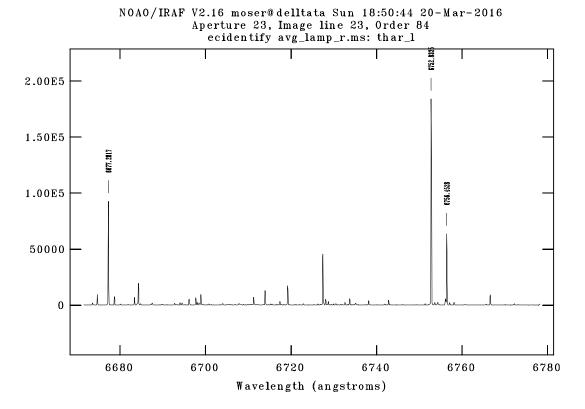


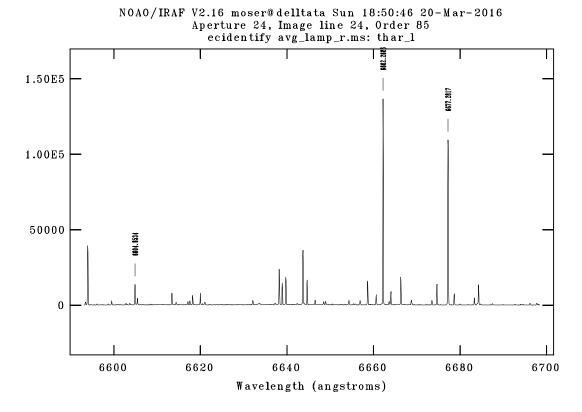




NOAO/IRAF V2.16 moser@delltata Sun 18:50:41 20-Mar-2016 Aperture 22, Image line 22, Order 83 ecidentify avg_lamp_r.ms: thar_1







Aperture 25, Image line 25, Order 86 ecidentify avg_lamp_r.ms: thar_l 3.00E52.50E5 2.00E5 1.50E5 6593, 9391 1.00E5 50000 0 -50000 6520 6540 6560 6580 6600 6620 Wavelength (angstroms)

NOAO/IRAF V2.16 moser@delltata Sun 18:50:49 20-Mar-2016

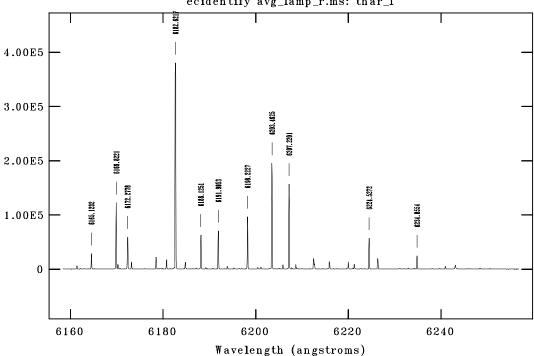
NOAO/IRAF V2.16 moser@delltata Sun 18:50:51 20-Mar-2016 Aperture 26, Image line 26, Order 87 ecidentify avg_lamp_r.ms: thar_l 6457.282 2.00E5 1.50E5 1.00E5 50000 0 6440 6460 6480 6500 6520 6540 Wavelength (angstroms)

NOAO/IRAF V2.16 moser@delltata Sun 18:50:55 20-Mar-2016 Aperture 27, Image line 27, Order 88 ecidentify avg_lamp_r.ms: thar_l 1457.282 6411.8991 1.50E5 1.00E5 6384, 7169 50000 0 6380 6400 6420 6440 6460 Wavelength (angstroms)

NOAO/IRAF V2.16 moser@delltata Sun 18:50:57 20-Mar-2016 Aperture 28, Image line 28, Order 89 ecidentify avg_lamp_r.ms: thar_l 1.50E5 6327.2778 1.00E5 6348, 2321 50000 6300 6320 6340 6360 6380 6400 Wavelength (angstroms)

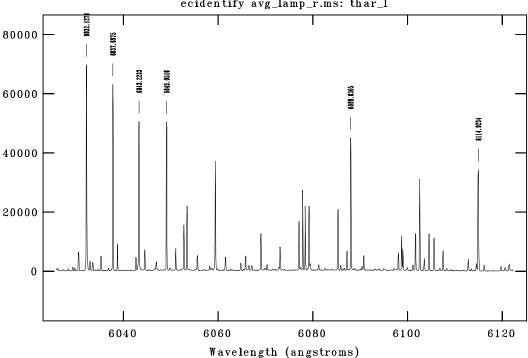
NOAO/IRAF V2.16 moser@delltata Sun 18:50:59 20-Mar-2016 Aperture 29, Image line 29, Order 90 ecidentify avg_lamp_r.ms: thar_l 8281.418 Wavelength (angstroms)

NOAO/IRAF V2.16 moser@delltata Sun 18:51:01 20-Mar-2016 Aperture 30, Image line 30, Order 91 ecidentify avg_lamp_r.ms: thar_1

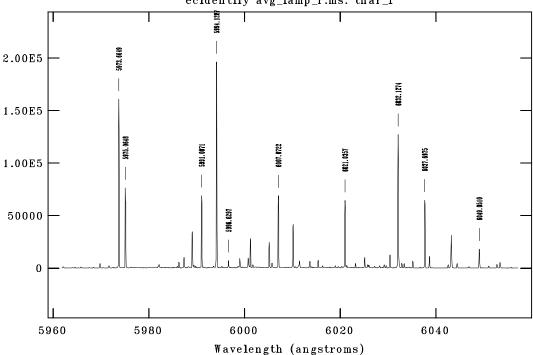


NOAO/IRAF V2.16 moser@delltata Sun 18:51:05 20-Mar-2016 Aperture 31, Image line 31, Order 92 ecidentify avg_lamp_r.ms: thar_l 1.50E5 1.25E5 1.00E5 6172.2778 75000 50000 25000 0 -25000 6100 6120 6140 6160 6180 Wavelength (angstroms)

NOAO/IRAF V2.16 moser@delltata Sun 18:51:08 20-Mar-2016 Aperture 32, Image line 32, Order 93 ecidentify avg_lamp_r.ms: thar_l

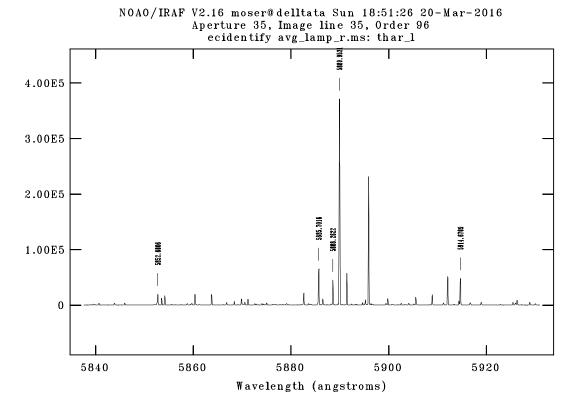


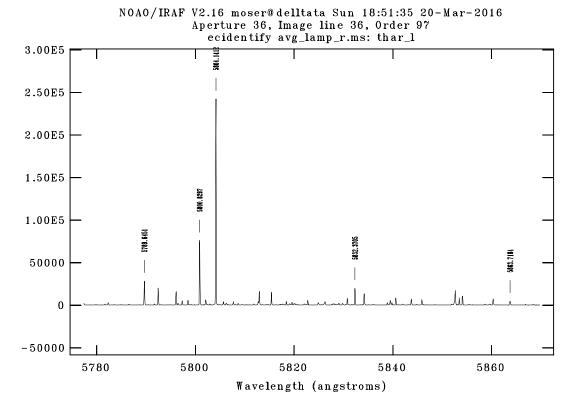
NOAO/IRAF V2.16 moser@delltata Sun 18:51:10 20-Mar-2016 Aperture 33, Image line 33, Order 94 ecidentify avg_lamp_r.ms: thar_l



NOAO/IRAF V2.16 moser@delltata Sun 18:51:21 20-Mar-2016 Aperture 34, Image line 34, Order 95 ecidentify avg_lamp_r.ms: thar_l 1.50E5 1.00E5 5914.6709 5912.0853 5944.6472 50000 0 5900 5920 5940 5960 5980

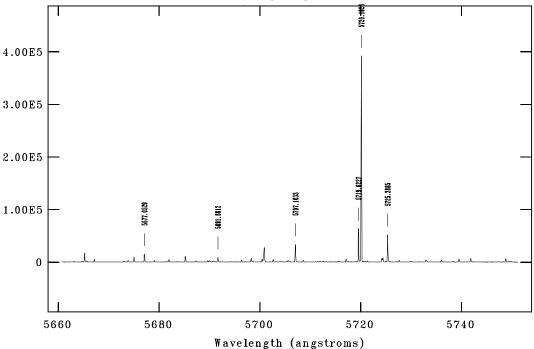
Wavelength (angstroms)



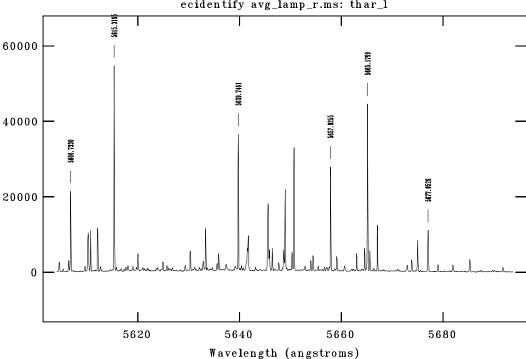


NOAO/IRAF V2.16 moser@delltata Sun 18:51:39 20-Mar-2016 Aperture 37, Image line 37, Order 98 ecidentify avg_lamp_r.ms: thar_l 6.00E5 4.00E5 2.00E5 0 5720 5740 5760 5780 5800 Wavelength (angstroms)

NOAO/IRAF V2.16 moser@delltata Sun 18:51:41 20-Mar-2016 Aperture 38, Image line 38, Order 99 ecidentify avg_lamp_r.ms: thar_l



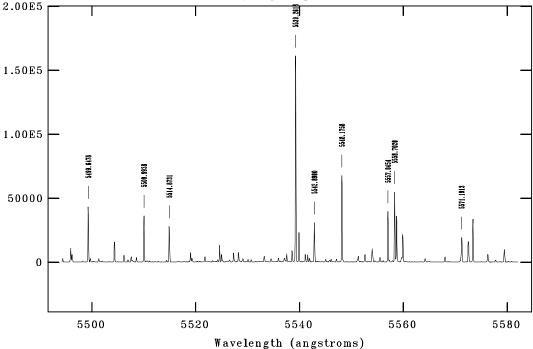
NOAO/IRAF V2.16 moser@delltata Sun 18:51:54 20-Mar-2016 Aperture 39, Image line 39, Order 100 ecidentify avg_lamp_r.ms: thar_l



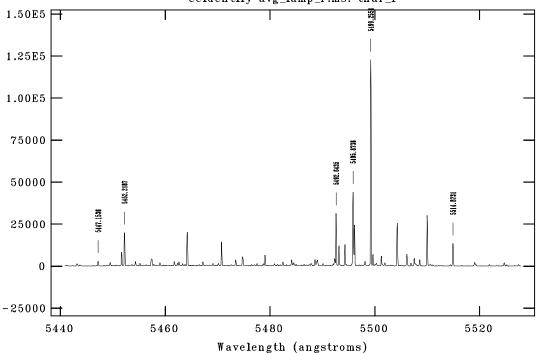
NOAO/IRAF V2.16 moser@delltata Sun 18:51:59 20-Mar-2016 Aperture 40, Image line 40, Order 101 ecidentify avg_lamp_r.ms: thar_l 3.00E5 2.00E5 5576.2045 1.00E5 0 5560 5580 5600 5620 5640

Wavelength (angstroms)

NOAO/IRAF V2.16 moser@delltata Sun 18:52:06 20-Mar-2016 Aperture 41, Image line 41, Order 102 ecidentify avg_lamp_r.ms: thar_l

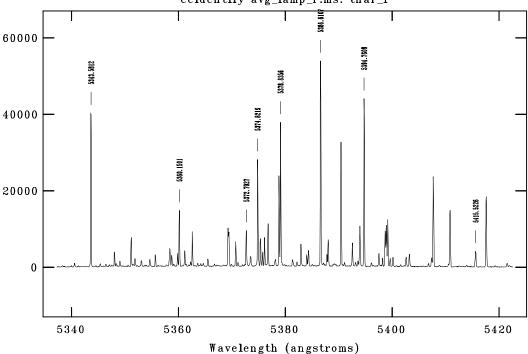


NOAO/IRAF V2.16 moser@delltata Sun 18:52:10 20-Mar-2016 Aperture 42, Image line 42, Order 103 ecidentify avg_lamp_r.ms: thar_l



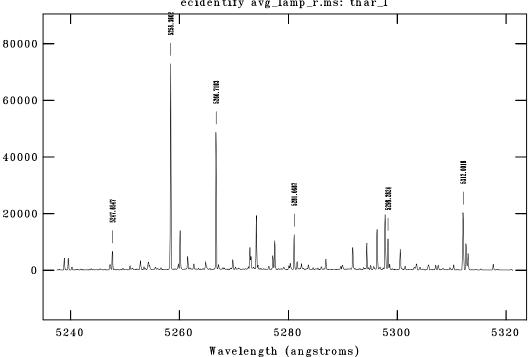
NOAO/IRAF V2.16 moser@delltata Sun 18:52:17 20-Mar-2016 Aperture 43, Image line 43, Order 104 ecidentify avg_lamp_r.ms: thar_l 1.25E5 1.00E5 75000 5407.6535 50000 5415, 5226 5447, 1536 25000 0 -25000 5400 5420 5440 5460 Wavelength (angstroms)

NOAO/IRAF V2.16 moser@delltata Sun 18:52:25 20-Mar-2016 Aperture 44, Image line 44, Order 105 ecidentify avg_lamp_r.ms: thar_l



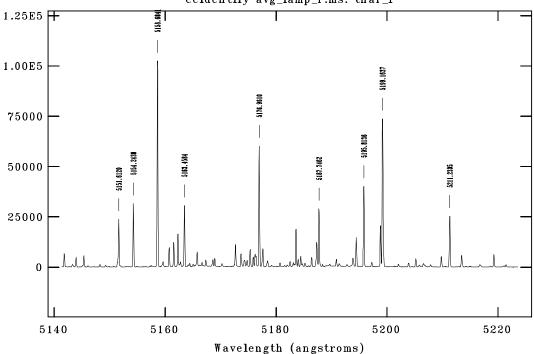
NOAO/IRAF V2.16 moser@delltata Sun 18:52:27 20-Mar-2016 Aperture 45, Image line 45, Order 106 ecidentify avg_lamp_r.ms: thar_l 1.25E5 1.00E5 75000 50000 25000 0 -25000 5300 5320 5340 5360 Wavelength (angstroms)

NOAO/IRAF V2.16 moser@delltata Sun 18:52:30 20-Mar-2016 Aperture 46, Image line 46, Order 107 ecidentify avg_lamp_r.ms: thar_l

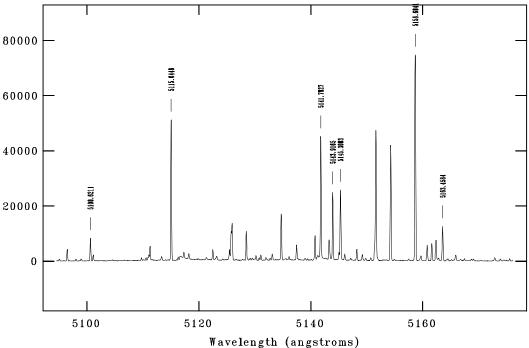


NOAO/IRAF V2.16 moser@delltata Sun 18:52:35 20-Mar-2016 Aperture 47, Image line 47, Order 108 ecidentify avg_lamp_r.ms: thar_l 2.50E5 2.00E5 1.50E5 1.00E5 50000 0 -50000 5200 5220 5240 5260 Wavelength (angstroms)

NOAO/IRAF V2.16 moser@delltata Sun 18:52:38 20-Mar-2016 Aperture 48, Image line 48, Order 109 ecidentify avg_lamp_r.ms: thar_l



NOAO/IRAF V2.16 moser@delltata Sun 18:52:41 20-Mar-2016 Aperture 49, Image line 49, Order 110 ecidentify avg_lamp_r.ms: thar_l 5158.604



NOAO/IRAF V2.16 moser@delltata Sun 18:52:45 20-Mar-2016 Aperture 50, Image line 50, Order 111 ecidentify avg_lamp_r.ms: thar_l 1.00E5 75000 50000 5096.4848 25000 5060 5080 5100 5120 Wavelength (angstroms)