XID Programme

- Imaging Programme: multiband optical/NIR imaging of XMM fields
- Core programme: spectroscopic/archival identification of
  - 1000 high b sources 0.5-4 keV > 10^{-13} erg cm^{-2} s^{-1}
  - 1000 high b sources 0.5-4 keV > 10^{-14} erg cm^{-2} s^{-1}
  - 1000 high b sources 0.5-4 keV > 10^{-15} erg cm^{-2} s^{-1}
  - 1000 low b sources 0.1-10 keV > 10^{-14} erg cm^{-2} s^{-1}

AXIS highlights

- International Time Programme at La Palma: ~90 observing nights Apr 2000 to Apr 2002
- ~20% of time used

Mostly as expected:

Broad line AGN at high b

Active Coronae at low b

But also:

A BAL QSO

A Be+White Dwarf? accreting binary

Several NELGs

AXIS wide-field imaging

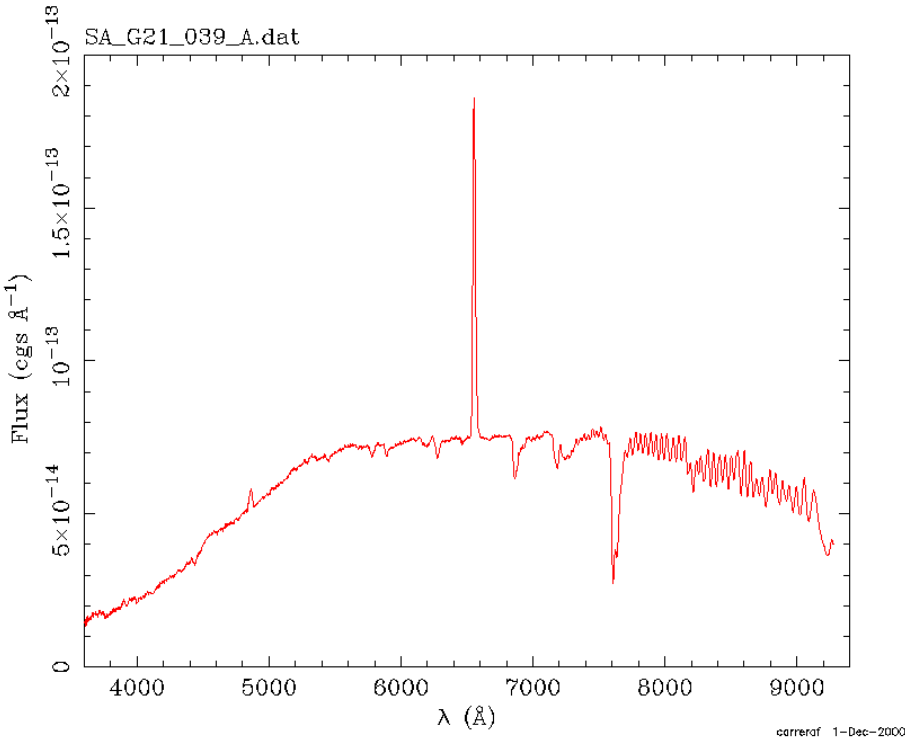
U (RGO)	g' (SDSS)	r' (SDSS)	i' (SDSS)	Z (Gunn)	Hα	H	Total
9	35	43	34	35	12	3	53

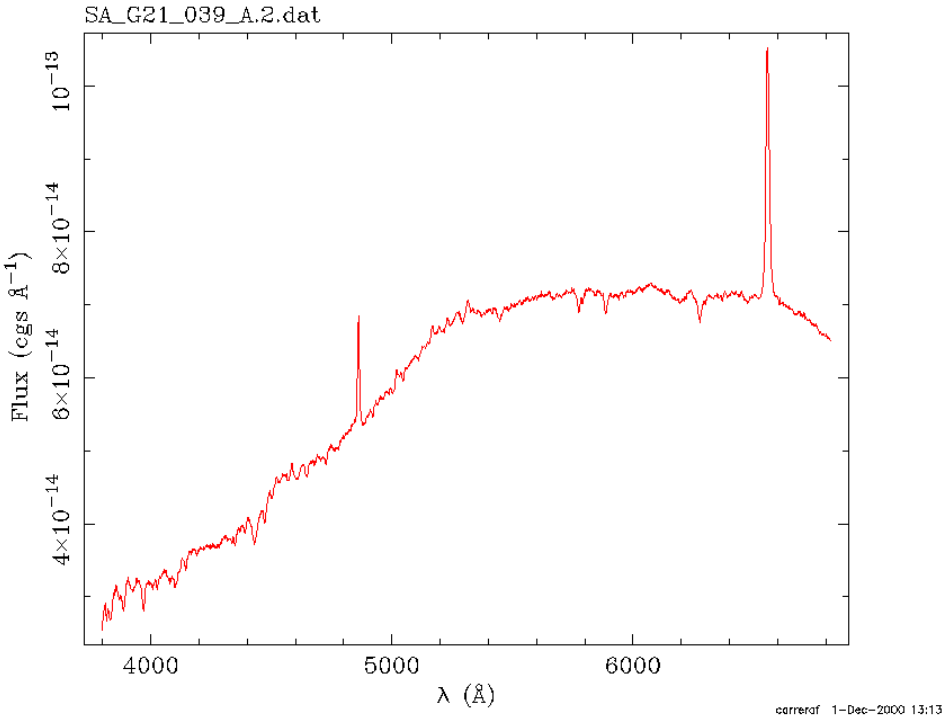
Optical: INT/WFC
Near IR: INT/CIRSI

AXIS identifications (as of December 1, 2000)

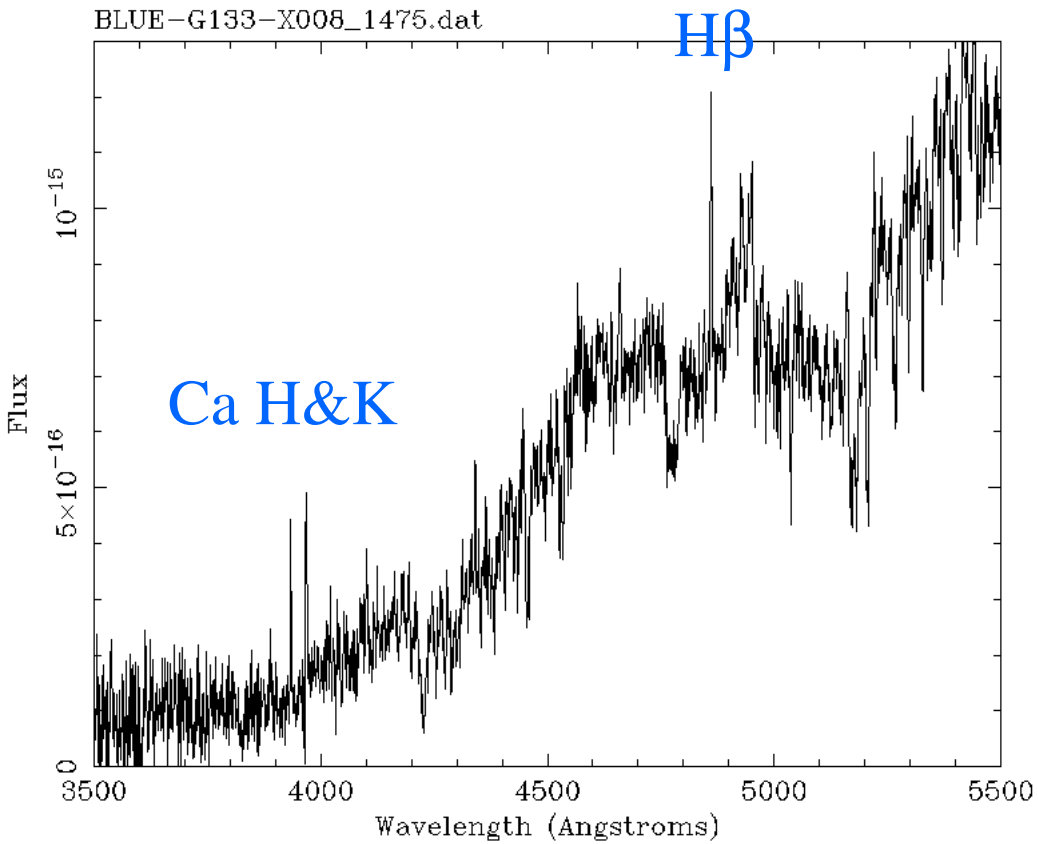
Sources	**|b|>20**	**|b|<20**	**Total**
AGN	19	-	19
Act Coronae	4	12	16
Nonact Stars	6	-	6
NELGs	4	-	4
Galaxies	4	-	4
Acc binaries	-	1	1
Total	*37*	*13*	*50*

Active Coronae

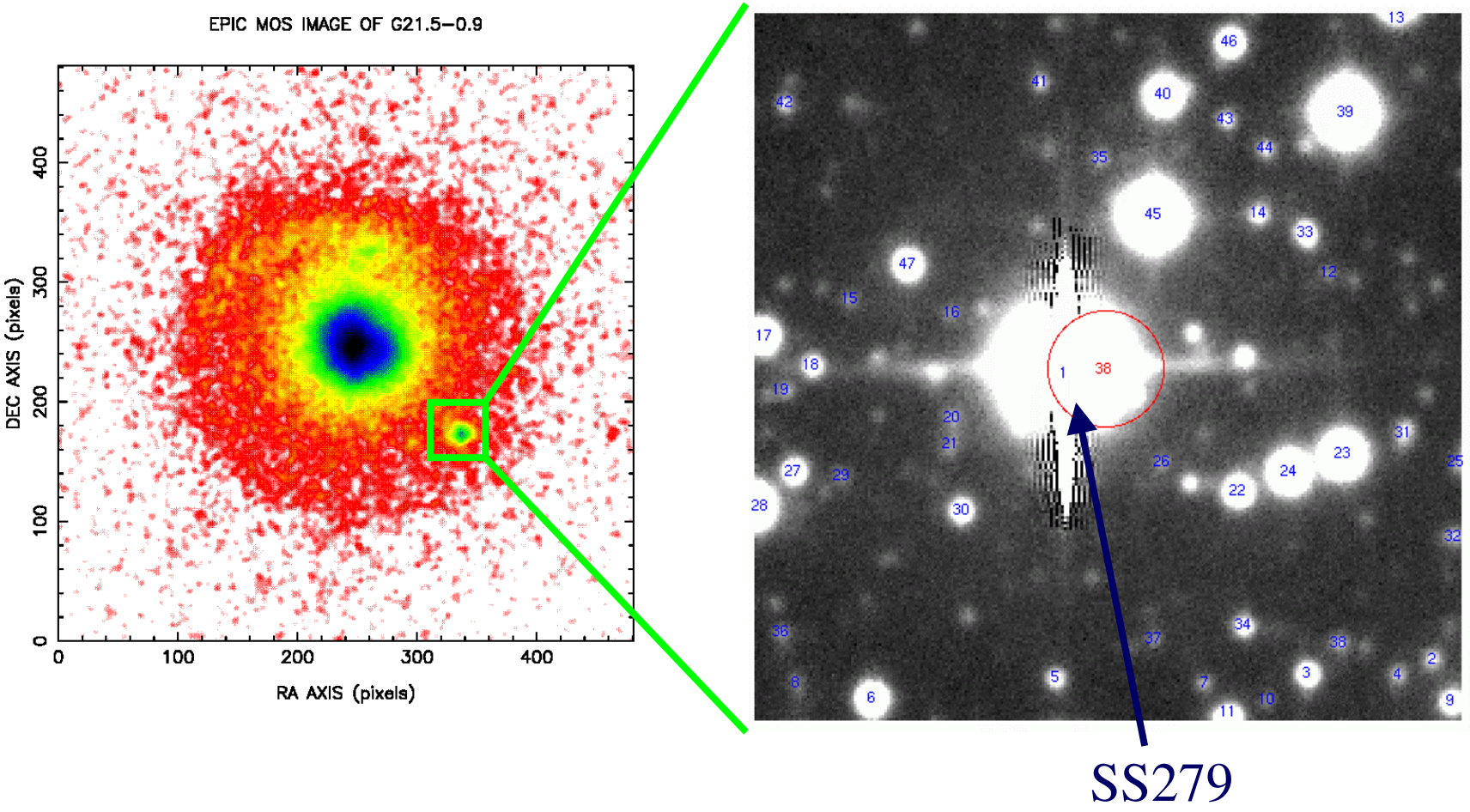




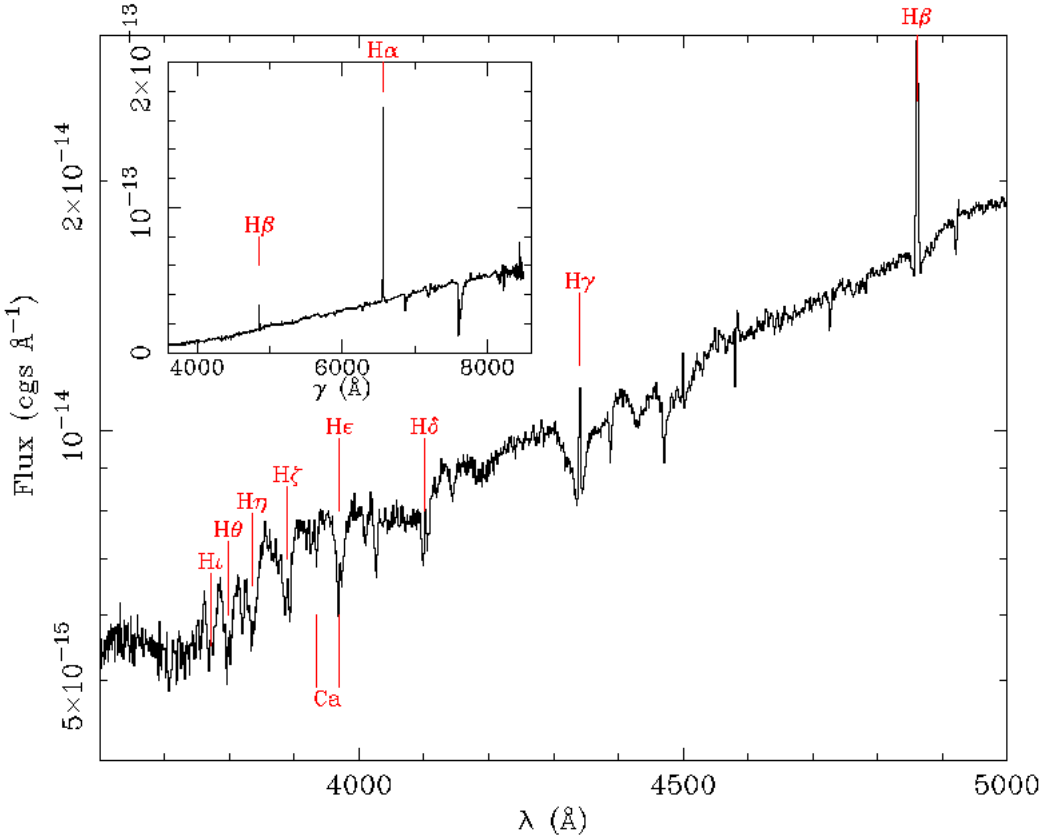
More active coronae

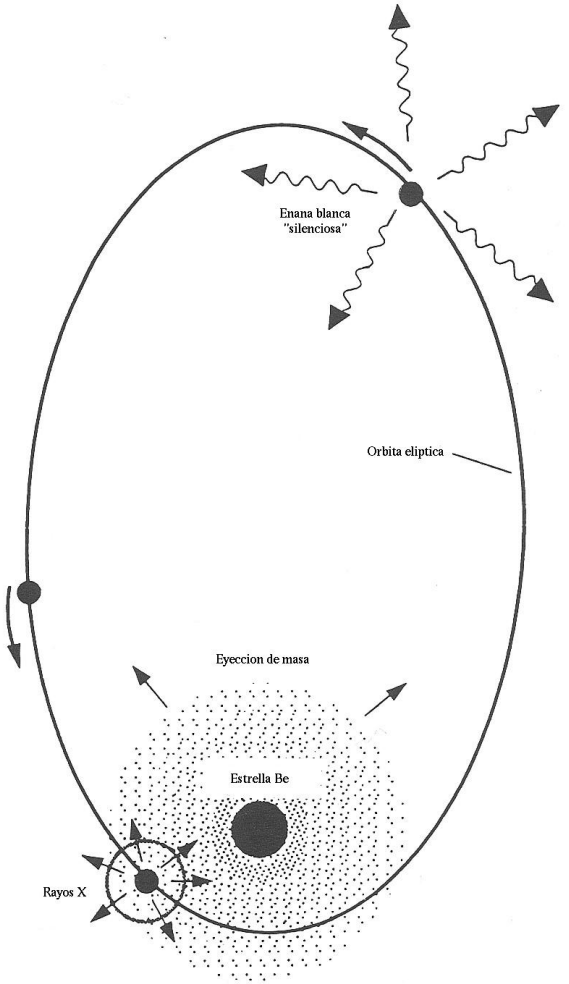


The G21.5-09 field (b=-1º)

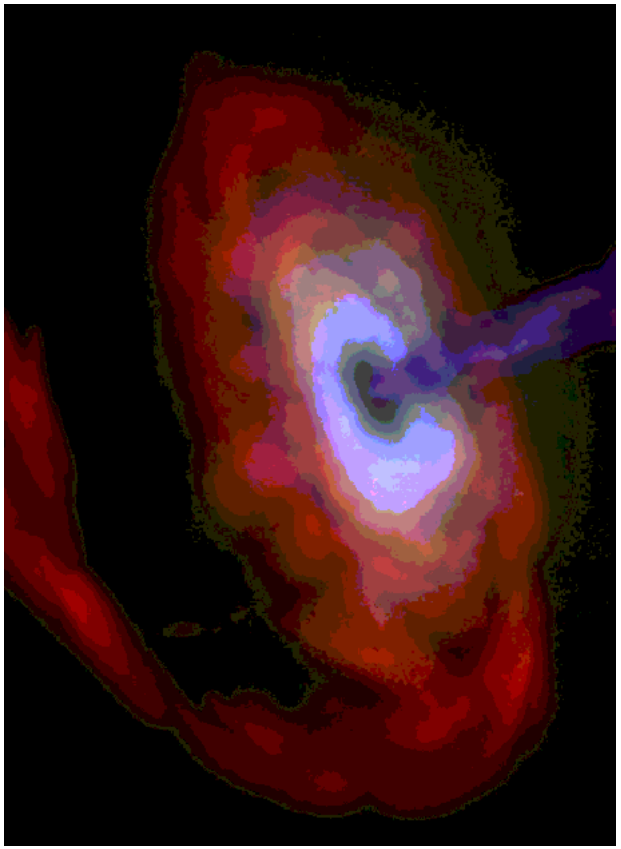


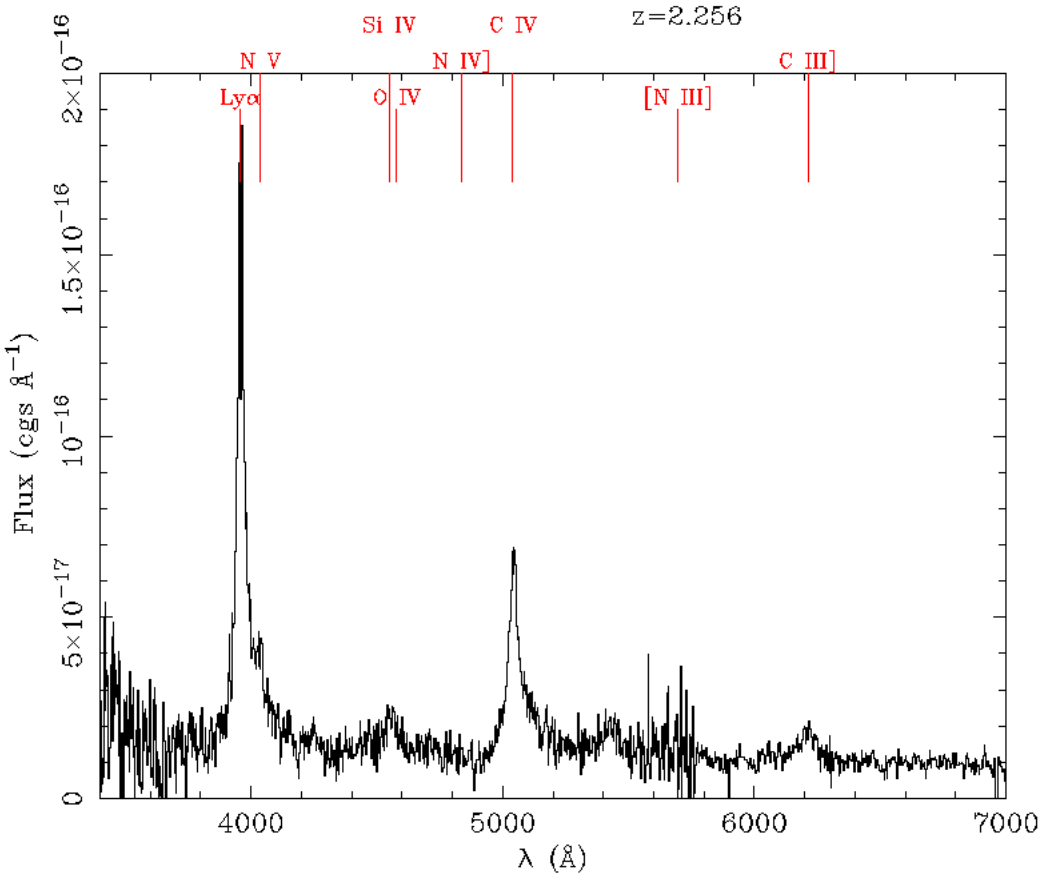
A Be+WD? accretion binary



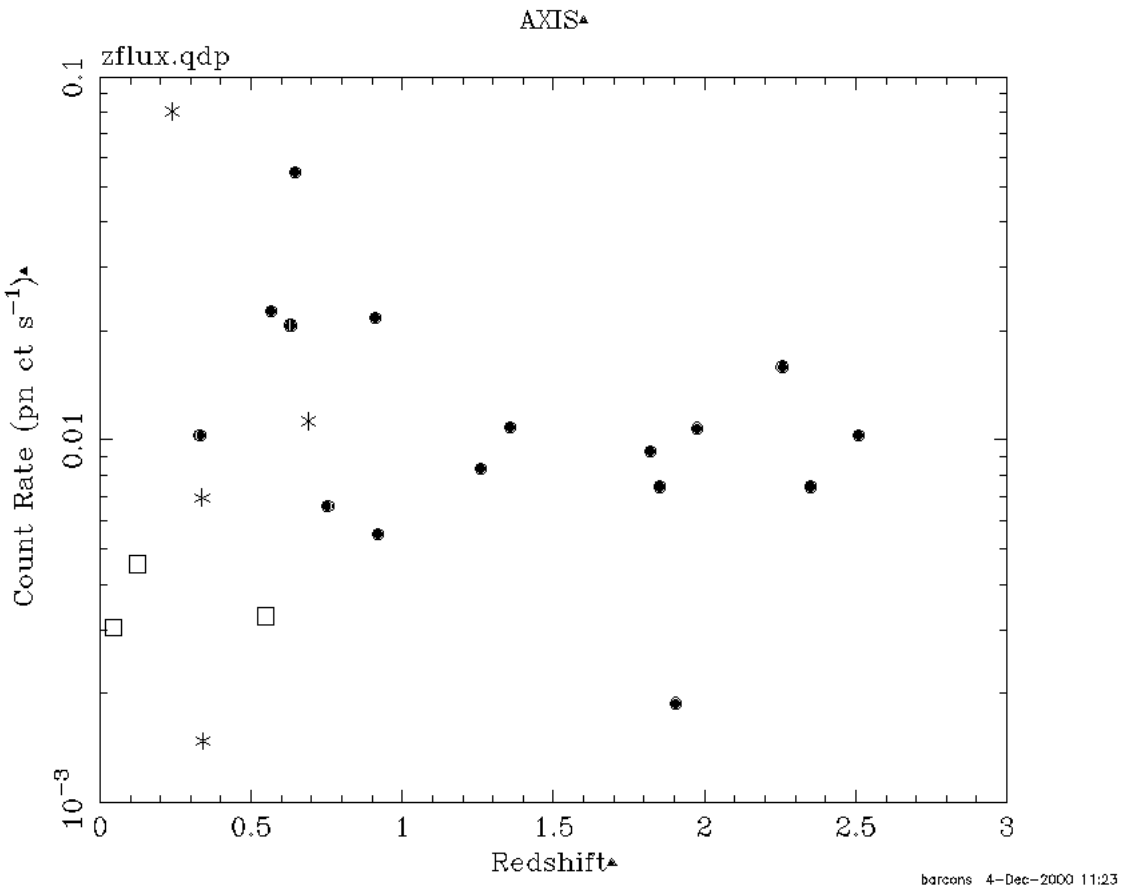


Broad Line AGNs and QSOs

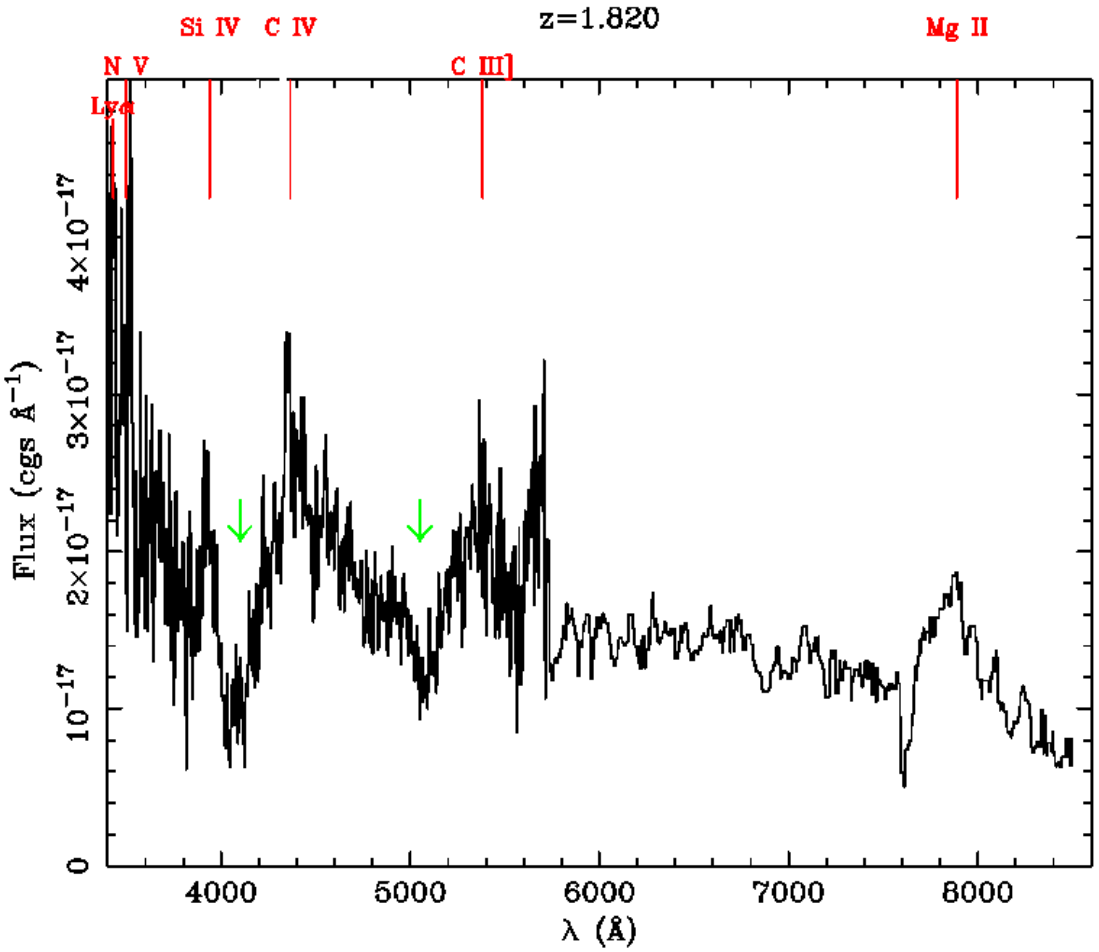




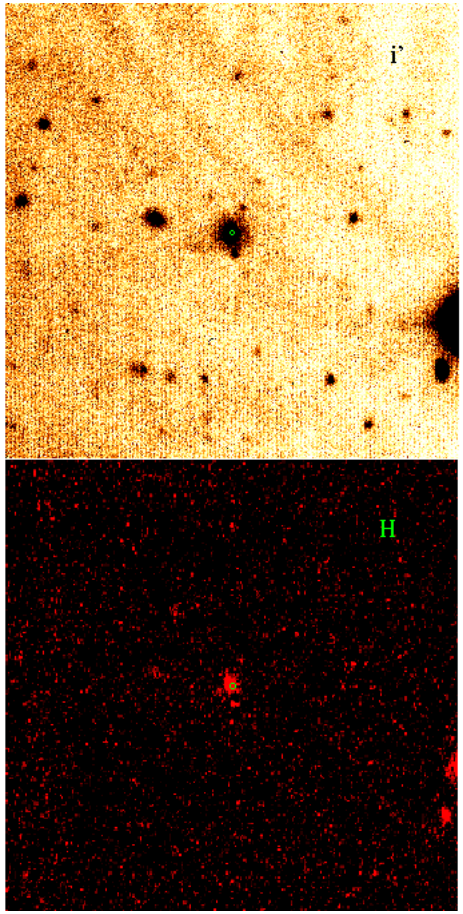
Redshift vs flux

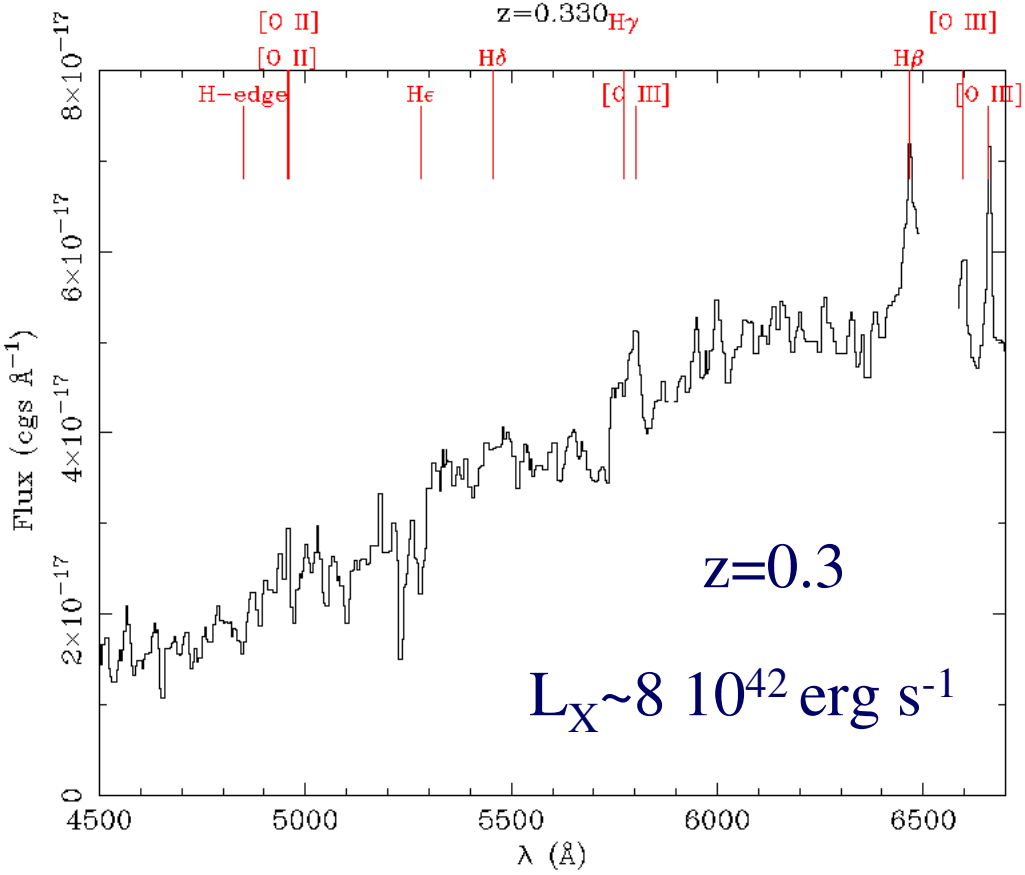


A BAL QSO at z=1.82



Narrow-line X-ray emitting galaxies





What next?

- Another 15-20 optical spectra obtained
- 7.5 more spectroscopic nights before end of 2000

~100 spectroscopic identifications
by the end of the year