

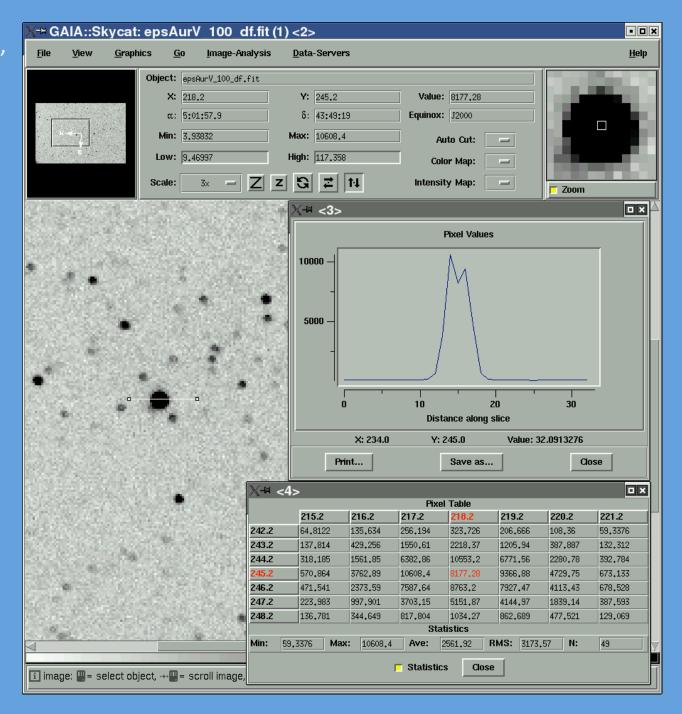




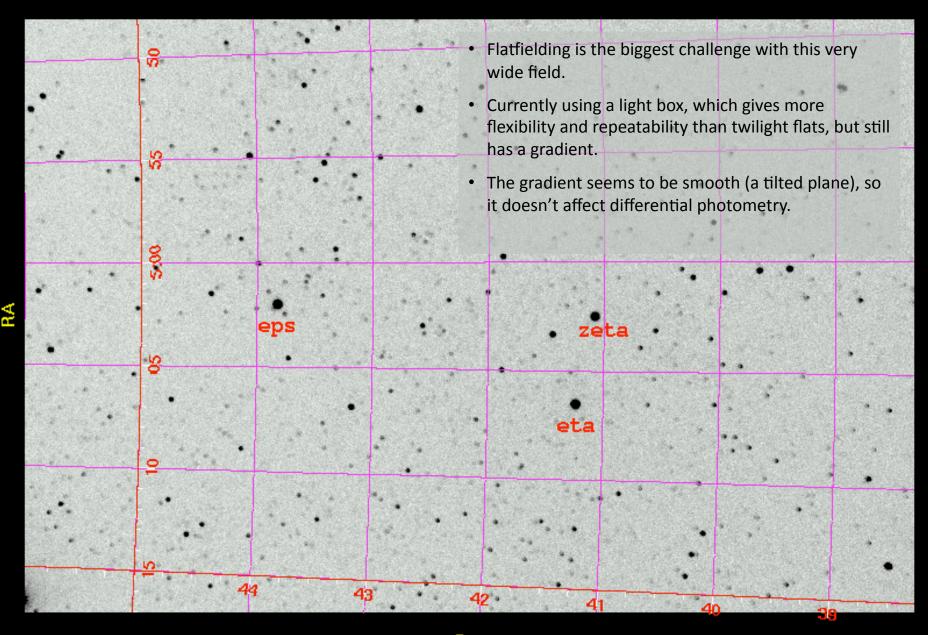
- ST-7EI + B filter + Canon 50 mm FD (old style)
- LX-200 fork
- 200' of Belden 8138 (\$\$\$!)
- 1990ish Celeron laptop + CCDSOFT
- Pentium 100 with homebrew linux camera pgm



- Platescale is 36.1"/pixel, so defocusing is desirable
- 5 mm thick filter in the fast light cone between lens and CCD chip prevents sharp focus
- PSF somewhat flattopped: ideal!
- Using 8 pxl diameter measurement aperture



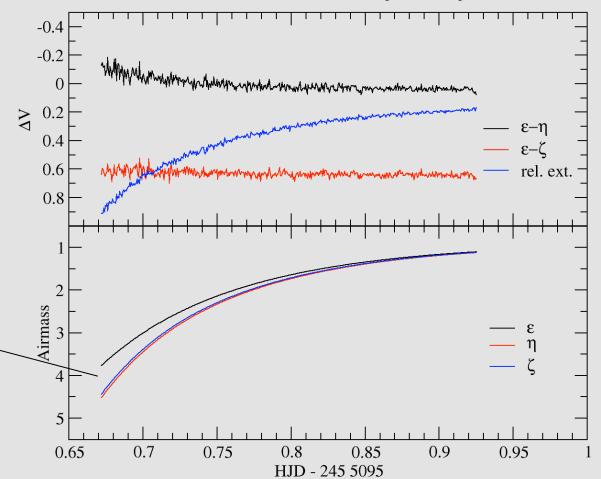
## eps Aur image 100 of 2009 Oct 20 21



- differential photometry of the instrumental magnitudes shows a large differential extinction effect through the night
- at the start of the run, the target and the comp see a difference of 0.7 airmasses

## ε Aurigae, gwb obsn's 2009.09.20/21

50 mm f/2.8, ST-7E, V filter, 22 s, 4 pxl meas aper radius



- airmass effect removed using extinction coeff and zeropoint derived from comp star
- variable (upper) and comp (lower) show similar light "curves"
- Conclusion: no "signal" other than the slow fade (so far!)

