



ACT

- Ritchey-Chretien with english mounting
- Tube and mounting by REOSC (France)
- 106 cm promary mirror (made by Ritchey)
- 26cm f/15 secondary miror (40 cm f/6.8)
- Field of view vthout vignetting 8'
- FOV 2'x4' (5'x7' using focal reducer)
- Moravian instruments G2-1600 CCD
 Camera (2014)



The story of ACT and what it has to do with Murphy's law

Since 1976 it was stored at Astronomical institute in Vienna

1984 in Vienna – First informal talks

1991 – in February Aide Memoire was signed

1991-1995 – War in Croatia

1996 – renovation of the telescope (Optical instruments, Prague)

1997 – building of the dome

20 October 1997 Opening of the telescope

Polar axis missaligned by few degrees

1999 – rectification of misalignment

September 2001 the CCD camera was instaled

First light - photometry

Between the **2nd and 9th of September 2001** an Austrian-Croatian delegation installed the first CCD-camera at the 1m ACT in Hvar and took first light images of h and chi Persei. In addition, M15 and some open clusters were also observed.

Institute of Astronomy, Vienna Hvar Observatory

W.W. Weiss D. Ruždjak

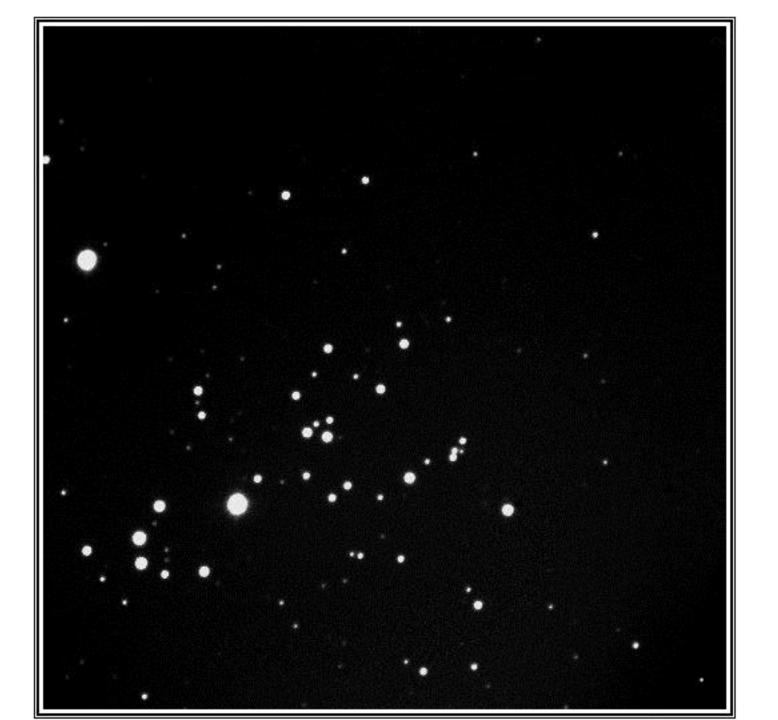
M. Rode-Paunzen D. Sudar

K. Zwintz H. Božić

P. Mayer and K.D. Rakoš







First light- h Persei

h Per (NGC 869) $\alpha = 2h \ 19.1m \ \delta = +57^{\circ} \ 9'$

3rd Sept. 2001 23:30 UT 120 s, y-filter 6'x6'

Murphy's law continued

Nov-Dec 2001 – 44 Tau campaign 2008 Pixis 2048B by Princenton Instruments Still slightly misaligned

When it doesn't go wrong

using vacuum pump (NGC 6705 Summer 2003, NGC 7296 Summer 2004) 2005 First results published

2010 ApogeeAltaU47 borowed from Gerald Handler 2014 Moravian instrumants G2-1600 Camera

Some succesfull observing runs Several succesfull projects

First light - spectroscopy

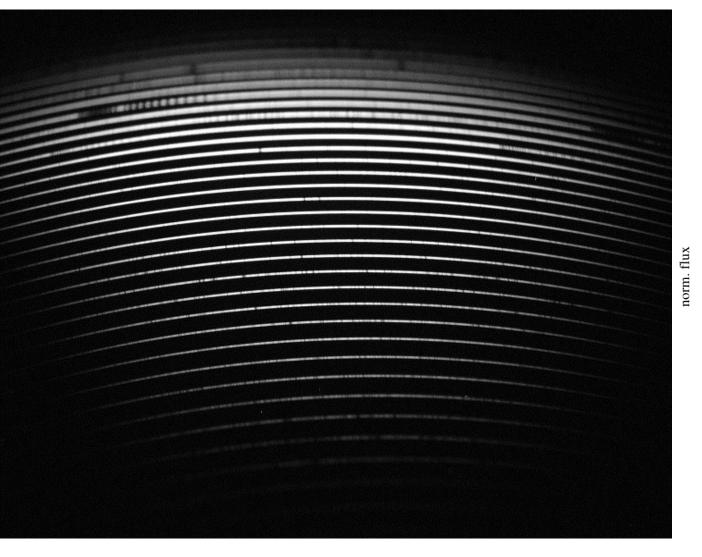
Shelyak eShel spectrograph Gothard Astrophysical Observatory Szombathely, Hungary

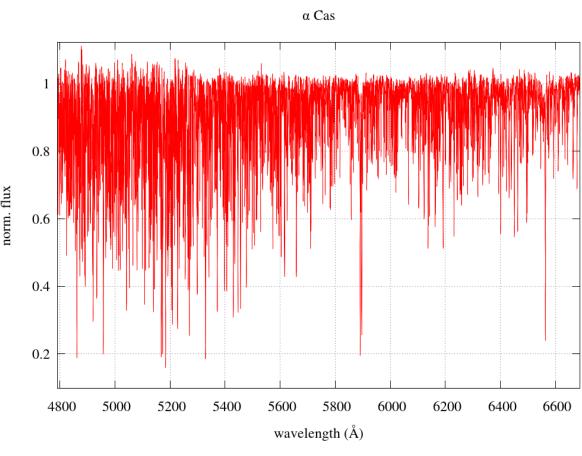
Informal talks and 1st visit - Nov 2012

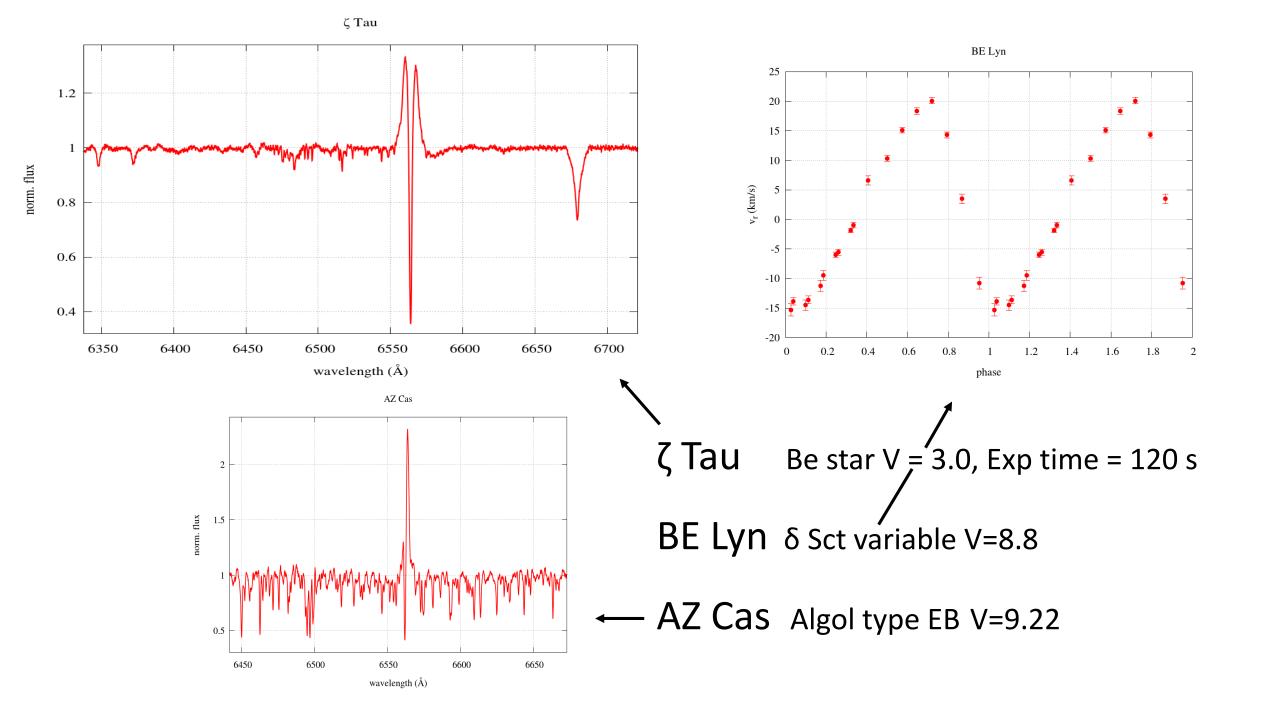
Between the 22-30 January 2013 the spectrograph was installed at the ACT On 25 Jan 2013 observations were performed.



α Cas RA=00 40 DEC=+56 32, V=2.23







Automatization of **St**elar **T**elescopes of **H**va**r O**bservatory (ASTHRO)

ProjectSoft

The offer for the complete automation of the 1 m ACT at the Hvar Observatory in Croatia for remote control from Zagreb (and other locations) – 250,000 €

Acquisition of spectrograph - 100,000 €

It doesn't include the solution of polar axis misaligment

ACT ----

HST —

