

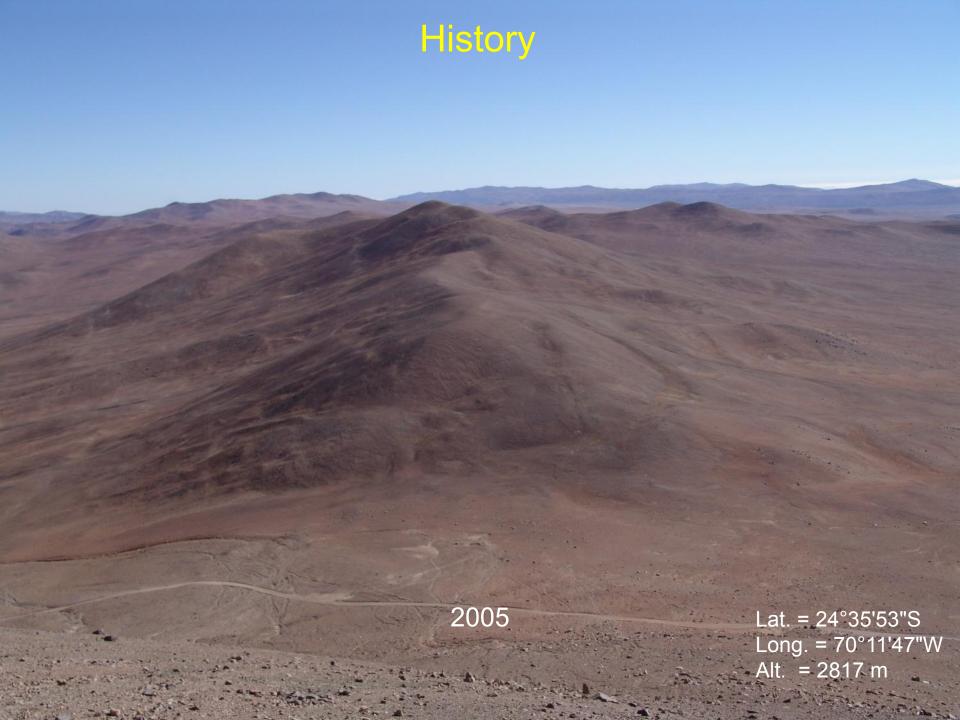
Ruhr-University Bochum

Ruhr-University





Observatory near Cerro Armazones





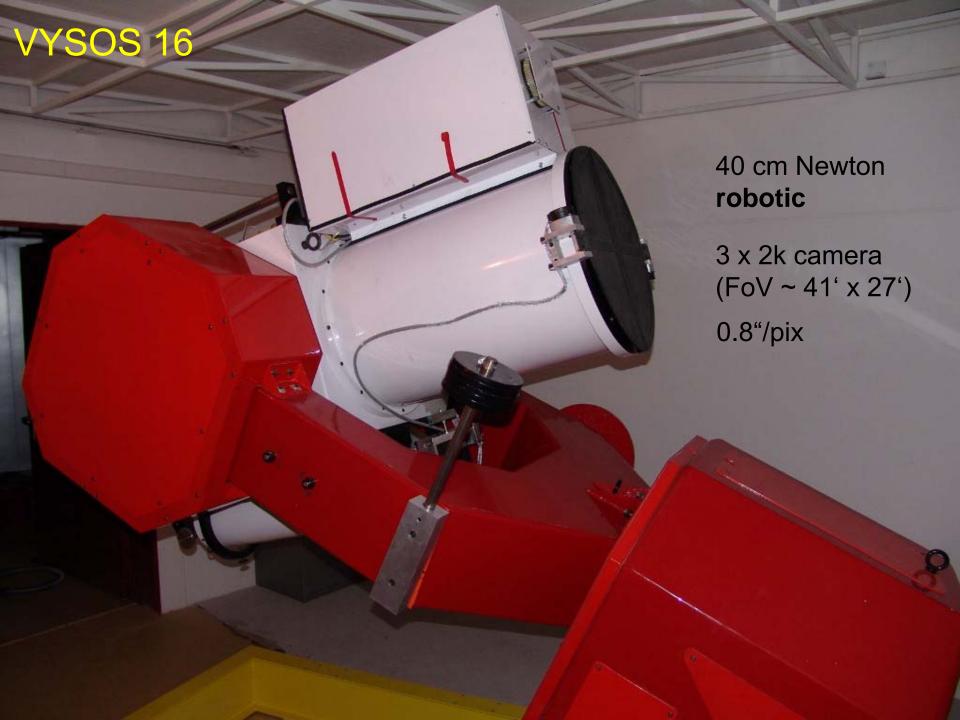


Telescopes



IRIS





VYSOS 6 A&B

two 15 cm refractors **robotic**

two 4 x 4k cameras $(FoV \sim 2.5^{\circ} \times 5.0^{\circ})$

2"/pix



BEST II

Berlin Exoplanet Search Telescope

25 cm telescope **robotic**

Support for CoRoT mission



Energy

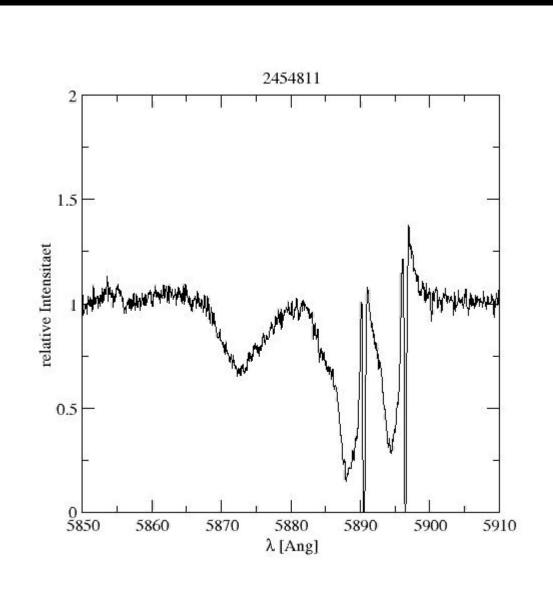


2 wind turbines à 6000 W (will be replaced by 3 new ones in Nov.)

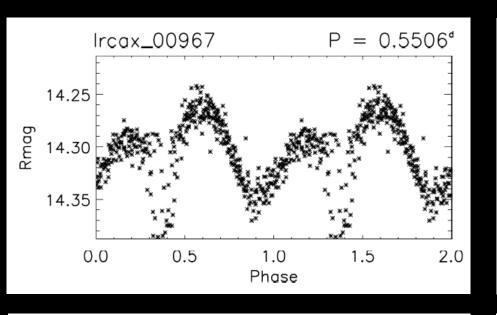


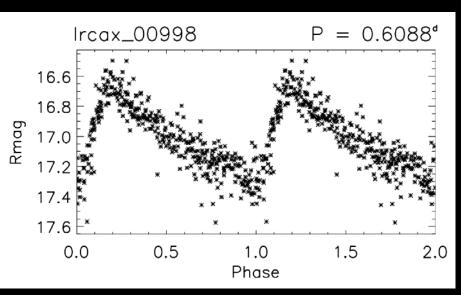
Benefits from EVALSO

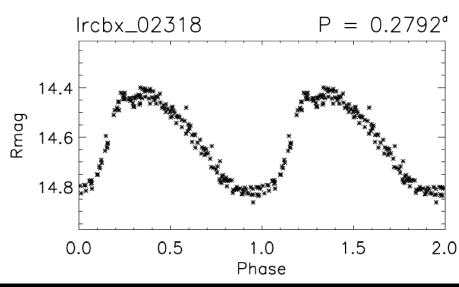
almost real time access to variable phenomena

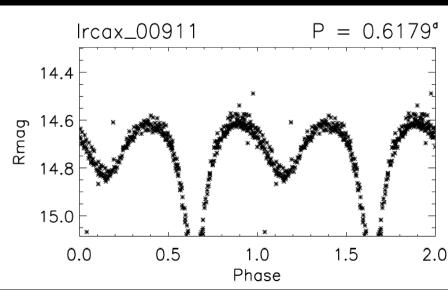


immediate response to newly discovered variable objects









remote real-time control of telescopes



robotic operation



The availability of high bandwidth communication

to the observatory infrastructure

will allow AIRUB to:

- reduce travel waste (people time, money, CO₂)
 thanks to remote real-time control of telescopes and robotic operation
- reduce data transfer costs by replacing shipping over hard disks
- allows immediate response to newly discovered variable phenomena
- use remotely controlled telescopes with good video and audio quality links as part of the educational process (teaching and/or training) without need for expensive traveling and therefore more affordable for the students/university