

Observation tasks #3

Night sky observation – Time: 20:30 – 24:00

1. Double star observation

(20 p)

- Point the telescope to Albireo and draw the telescope view. The position angle of the components (measured from N) is 56° and the separation is $34''$.
- Do the same picture for one of stars from the table below.
- Based on your drawings, estimate the position angle and angular distance between the components.

Star:	α h m	δ ° ’	Mag A+B	Mag ^A	Mag ^B
ζ Psc AB	1 13.7	+7 35	4.8	5.2	6.2
γ Ari AB	1 53.5	+19 18	3.8	3.9	3.9
κ Her AB	16 08.1	+17 03	4.8	5.1	6.2
16 Cyg Aa-B	19 41.8	+50 32	5.3	6.0	6.2
δ Cep AC	22 29.2	+58 25	4.0	4.1	6.3



