



XIX Международная астрономическая олимпиада

XIX International Astronomy Olympiad

Бишкек – Чолпон-Ата

12–21. X. 2014

Bishkek – Cholpon-Ata

 ЯЗЫК
language
English

Observational round. Questions.

Clear sky

Code of participant

код участника

Observations by the naked eye

9. Assess the color of the stars and mark accordingly it with a “X”:

	White	Blue	Yellow	Red
α UMi				
α And				
α Ari				
α Cyg				
α Tau				

Answer:

10. What is the angular distance between α Cas and the north celestial pole?

11. Specify direction to the points of intersection of the ecliptic and the equator.

List the names of the constellations (in Latin) in which these points are located.

Answer:

Observations with telescope

12. Point your telescope to the M45. Show to the examiner. Classify the object as one of the following: open cluster (OC), a globular cluster (GC), an emission nebula (EN) and planetary nebula (PN).

Answer:

13. Point your telescope to the binary star π Pegasus using 10 mm eyepiece and *star map* as a guide. Estimate the distance between the stars in arc minutes.

Answer:

The maximum total time for all tasks is **20 minutes**.