**X Азиатско-Тихоокеанская
астрономическая олимпиада****X Asian-Pacific
Astronomy Olympiad**Round **Obs**Group **αβ**

язык	<i>English</i>
language	

Россия, Иркутск-Листвянка 24.XI. – 2.XII. 2014 Irkutsk-Listvyanka, Russia

**Observational round. Questions.
Cloudy sky**

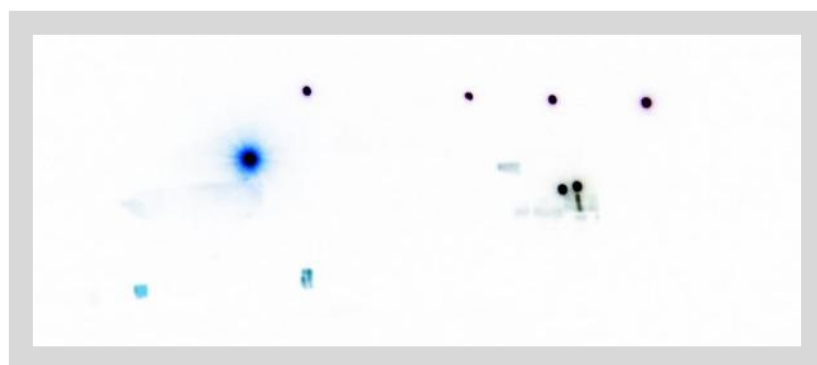
Code of participant	код участника
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Observations by the naked eye

9. **Orion.** By hand, point the direction to the sky where Orion's Belt culminates.
10. **Diurnal motion.** Show by your hand the diurnal way of a star that may pass through Zenith.
11. **Lights on embankment.** On the waterfront area of Lake Baikal, which can be seen from the observation place, you can see three lights, the location of which remind of Orion's Belt. (See below a negative photo of the lights of this area, "Orion's Belt" is in the upper right corner). Estimate the angular distance between the two lights to the right of the "Belt".

Answer:

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**Observations with telescope**

12. **Numbers.** Adjust the telescope so that it works properly. Point it to the right window of the 3rd floor of «Krestovaya Pad'» administration building. Write the numbers that are written in the window.

Answer:

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The maximum total time for all tasks is 14 minutes.