



Rules and Regulations for a participant of the Olympiad

There is an obligation of team leaders to translate these Rules and Regulations to native language of participants in advance and to teach student to follow these rules. (Starting since 2006 translation of this document has to be done in written form as an obligatory part of application to the International Astronomy Olympiad.)

Originals of these instructions are written both in Russian and English since 2005.

Instructions for Observational round

Familiarization with a site of the round

- **As usual (except the situations of organizing the round at the remote observatory)** the participants to be familiarized in advance with the site of the round during the daytime in the case the round (part of the round) organized during the night.
- In the case the round have a task with a telescope (except for observations with the already adjusted and guided telescope) every participant has to be familiarized with that actual telescope, on which one the participant will work during the round.

Procedures before the round

- At the planned time the team leaders (including **all** the jury members) and **all** the students have to arrive to the round (to the distribution auditorium or other common auditorium).
- For both team leaders and students: it is forbidden to come to the round (to the distribution auditorium) with any electronic device (calculators, mobile phones, computers, GPS-devices, players, photocameras, etc.) in any state of the device (on/off) if such items were not given or specially allowed (in written form) by organizers. Only watches are permitted.
- Organizers announce whether the round will be.
- In the case the round will be the team leaders-translators go to the translation room and cannot leave the room till the end of round (after the translation they continue to work in theoretical jury).
- During the translation and preparing the papers the procedure of defining the sequence of examination starts in the distribution auditorium. Every student takes a jetton with a Latin symbol (that means the examiner) and figure (that means, **as usual**, the position in the queue to the examiner).
- A student cannot leave the auditorium (except for short hygienic procedures) till he or she goes to the examination.
- Team leaders (not translators) may leave the distribution auditorium at any time (but without permission to return back). After leaving the distribution auditorium the team leader must be in the “finish round auditorium” (if any) or at apartments till the end of the round.
- According to the sequence of examination every student will be called and led to the place of the observation by the helper of the examiner.
- In the case the round consist of a few parts (day and night parts, for example) the above-mentioned procedures **may** be organized separately for every part of the round.

Work of a student on the round (**common for all types of rounds**)

- **The work must be carried out independently.**
- It is permitted to use your own pen, pencil and ruler (but not other instruments).
- **Languages of tasks. Two alternatives may be:**
 1. Every student will be provided with an envelope with the content organized by team leader in

advance.

2. Every examiner has a set of tasks written in all the languages on which the tasks have been translated. A participant may use any language to read the task.

— **Languages of the answers.** (*Analogously to Practical round*). No words in any language is permitted to use in solutions. It is proposed that the answers must be written using only drawing pictures, plotting graph, writing formulae, numerical values and standard international astronomy symbols (like $\♁$, $\underline{\alpha}$, α UMa, M31, 5^m). Numerical values must be written using standard symbols but not symbols of National alphabet. Jury of the Observational round will not take into account any text in any language in solution.

— **No any oral answer** will be taken into account.

— **Additional questions** to examiners during the round. It is proposed that there should be no questions during the observational round. All necessary data are written.

— **Rough copy.** Rough copy is not proposed at the Observational round.

— Take into account that the examiner, as usual, is not a jury member, he/she only registers you answers. Jury checks only written documents: your written answers (including drawings, graphs, etc.) and tables of examiners.

— You have to finish every point of observational programme in a limited by the rules time. After the time finishing the examiner has to stop the work of participant.

What is forbidden:

— To indicate the surname, name, patronymic, town, school, class and other individual data of participant at the working sheet of paper. Only code should be written. The work must be anonymous. In the case of infringement a participant can be disqualified.

— To talk (*any way, including, for example, sign language*) with other participants of Olympiad, and ask them.

— To talk with examiner, ask him/her a question connected with the matter of the round.

— To use reference books, textbooks, any other books, tables, catalogue etc., and also to use any electronic devices (except watch) if such items were not given to participant for the round by organizers.

— To make changes in the work after time for the task is up.

Outdoor work of a student

— **Signals during the round.**

One long whistle – the beginning of work.

One short whistle – ~40% of working time is remaining

(the exact value in minutes will be known before the round).

Two short whistle – 2 minutes of the work is remaining.

Three short whistle – the end of the work.

— **As usual**, there may be in general **two types of tasks**:

1. To answer for some question in written form. In this case you have to work (write down answers, draw pictures, etc.) in the sheets of paper that given by the examiner.

2. To show something in the sky, adjust the telescope, etc. In this case you have to show answer for examiner (the necessary object, direction, adjusted telescope, etc.) **without any oral comments**. Examiner put the necessary features of your showing to his/her table. **No any oral answer** will be taken into account as well.

Work with artificial sky, demonstrations, etc.

— Special explanations to be done by the organizers in this case.

Work in the planetarium (actually for the IAO-2015)

— Members of each group are waiting for their turn in the lobby of the planetarium.

— Participants go into the dome of the planetarium in the “blue” light and take their places according to the codes. There should be at the working place: a pencil to write the responses and a flashlight for individual work in the dark.

— Sound of work starting. At the same time appropriate inscription (in English) appears on the dome. Turning off the light. Darkness. Adaptation of the eye to read the information about the number of tasks

and the conditions of the problem № 1 (~3 minutes).

— Demonstration of the sky, objects, events, and so forth (duration depends on the content of the demonstration).

— Termination of the demonstration. Darkness. Writing answer (~2 minutes). At the same time the corresponding inscription (in English) is projected to the dome.

— Sound end of work with the problem № 1.

— If the program of the round included the second (and third, etc.) problem, this signal is also a signal of the beginning of work with the problem № 2 (№ 3, etc.). At the same time appropriate inscription (in English) appears on the dome. Reading the conditions (~2.5 minutes). Then the actions are similar to ones of the problem № 1.

— After the sound ends the work with the last problem the “blue” light to be switched on. Any work thereafter terminated.

— Participants will leave at the place all the equipment, as well as written answers, and leave the planetarium through the second exit.

— There will be given additional explanations about the procedures for its implementation before the round.

Procedures after the work.

— Student has not to keep with him/her any sheet of paper after finishing the work on the observational round.

— After finishing the work on the observational round the participant has to go to the “finish round auditorium” (if any) or to his/her apartments and stay there till the end of the round.

We wish you success !



Organizing committee, jury.

APAO-2005 Irkutsk, IAO 2006 Bombay, APAO 2006 Vladivostok, IAO 2007 Crimea, APAO 2007 Xiamen, IAO 2008 Trieste, APAO 2008 Bishkek, APAO 2009 Danyang, IAO 2009 Hangzhou, IAO 2010 Crimea, APAO 2010 Papua, IAO 2011 Alma-Ata, APAO 2011 Aktobe, IAO 2012 Gwangju, APAO 2012 Cox's Bazar, IAO 2013 Vilnius, APAO 2013 Tomohon, IAO 2014 Bishkek, APAO 2014 Irkutsk, IAO 2015 Kazan.