



NATIONAL OBSERVATORY OF ATHENS
Institute for Astronomy, Astrophysics
Space Applications and Remote
Sensing



KRYONERI OBSERVATORY

Health & Safety Issues

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March 2023 Version 1.0

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1. Health Advice

1.1 Working at the Telescope

The Kryoneri Observatory is situated at an altitude of ~930m. This altitude does not usually pose any problems; visiting observers are not required to have a medical examination.

However, if you have a chronic medical condition which may require emergency measures, (e.g. respiratory, heart problems, epilepsy, diabetes), please inform the staff member at the telescope.

1.2 First Aid facilities

There is a Medical Center in Kiato, 17km away from Kryoneri Observatory (addr.: Kapodistriou 27, Kiato, tel.: 2742-0-22222, e-mail: sspil@1662.syzefxis.gov.gr) where doctors and nurses are on call throughout the week.

There is a first-aid kit on the ground floor of the building.

1.3 Medical Emergencies

In case of emergency, contact a staff member immediately and he/she will take the appropriate action. If, for any reason, a staff member cannot be reached and it is believed that an ambulance is required, call the emergency number **166**, in order to speak with the hospital in Kiato. You should be able to communicate in English.

If you are feeling ill, for your own safety and protection, *first* notify someone, then go to your room to lie down. In any event, make certain that a staff member is informed.

2. Visitor Safety at the Kryoneri Observatory

2.1 Basic safety advice

Advice for visiting observers at the Kryoneri Observatory:

1. It is recommended that observers do not go to the telescope floor alone.
2. The use of the protective helmet is required for your entry to the second floor of the dome.
3. In case of an accident, if possible, inform a staff member immediately and they will then take appropriate action. If an ambulance is required, and a staff member cannot be reached, dial 166 from any phone in the building. You should be able to communicate with someone who speaks English.
4. There is a first-aid box on the ground floor of the building. If a visitor requires an item from this box, they should ask a staff member for permission, unless it is an emergency.
5. Do not drink water from the tap. Use only bottled water from the kitchen.
6. Access to other facilities outside the building is prohibited to unauthorized personnel.
7. Access to the basement of the building is prohibited to unauthorized personnel.

2.2 Winter period

In winter, extra precautions need to be taken:

1. On arrival at Kiato and before driving up the mountain, you should contact the telescope staff to check road conditions.
2. Watch out for changing weather conditions while at the telescope. E.g. temperature falling below zero, humidity variations, ice formation. If ice does start to form, you should immediately go down to Kiato. If a staff member is still at the telescope, then it is advisable to go down with them, since you will need a vehicle with four-wheel drive and a car with a mobile phone.
3. When driving down from the telescope and there is already ice on the road, it is good practice to have one wheel in the ditch (off the road), to give you more traction.
4. If it is impossible to get a vehicle (ambulance) to the telescope due to snow, ice or for any other reason, then nobody (staff or observers) should attempt to go there.

2.3 Spring-Summer period

1. During spring-summer period, extra precautions need to be taken in case of walking outside the building. Although the proper spraying always takes place, there might be snakes, bees, wasps and/or other insects whose bite may cause allergies or more serious implications. In the case of allergy, use the aid-box at the ground floor of the building. For more serious implications, inform staff and call at the Medical Center of Kiato (+30 27420 22222).
2. In case of fire, contact staff immediately and the Fire Department (199).

2.4 Safety instructions for the telescope floor

1. Only authorized personnel have access to the telescope floor.
2. People entering the telescope floor must wear safety helmets.
3. Keep a safe distance from all moving mechanisms and the body of the telescope.
4. Visitors have to be instructed about safety rules and are to be accompanied in this floor by authorized IAASARS/NOA-staff.
5. Any unauthorized person entering the telescope floor is responsible for his/her own safety.
6. Entrance to the computer-room is prohibited. Entrance to this room is limited to authorized personnel only.
7. The operator works in the control room. Before a regular telescope operation, the operator must ensure that no one is at the telescope floor level; if someone is there, the operator must communicate with him/her.
8. Before leaving the telescope floor, the free movement of the telescope and the dome, without obstruction and collision, has to be ensured (check Operations manual).
9. Inflammable liquids, gases and other dangerous substances are not allowed in the telescope floor and in the building in general.

2.5 Basic operational rules for the telescope.

1. Opening the mirror doors when the dome shutter is opened during daytime is prohibited. Incoming sun radiation may damage the mirror or the instruments.
2. If the dome is covered with snow do not attempt to open it – contact staff immediately.

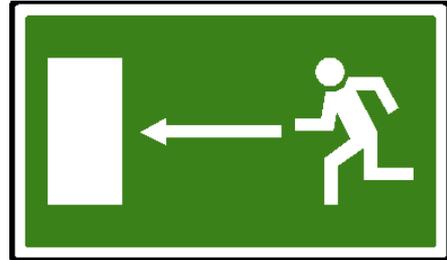
3. There are special working instructions for the dome operation. Opening the dome shutter is not allowed under the following conditions:
 - wind speed > 50 km/h
 - humidity > 80%
 - during rain, snowfall and fog
 - during and in the event of an impending thunderstorm
4. Activities during and in the event of an impending thunderstorm:
 - close the dome shutter
 - set the power supply switch to the “DOWN” position (see Operation manual)
 - leave the telescope floor
 - turn off the telescope system (see Operation manual)

3. Overview of installed signs

A. At doors of the electrical rooms



B. At doors or emergency exits



C. At the entrance barrier of the tower operation floor



D. At the slip ring-system

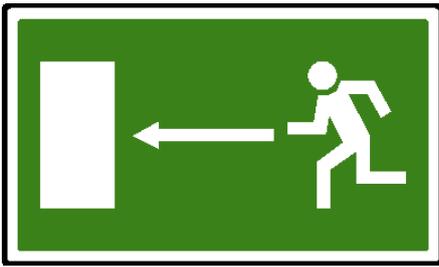


E. At the mains supply units to be worked



Do not switch on! Staff working!

F. At the enclosure hatches inside



G. At the enclosure entrance hatches outside



H: At the wind screen system



Danger !

Protect long hair from moving components of the windscreen system

I: At the narrow part of the operational floor



K: At any area inside the Kryoneri Observatory buildings and dome

Smoking is not allowed



4. Kryoneri Observatory Telephone list

4.1 Kryoneri Observatory

Control room: 27420 51222, 210-3490075

Telescope floor: 210-3490076

4.2 Useful Telephones

Kiato Medical Center

+30 27420-22222 (addr.: Kapodistriou 27)

(General emergency number: 166)

Korinthos General Hospital

+30 27413 61400, +30 27410 25711

E-mail : sspil@1662.syzefxis.gov.gr

E-mail: info@hospkorinthos.gr

Kiato Police Station

+30 27420 21225 (addr.: Sotiriou Krokida 52)

(Police Emergency number: 100)

Kiato Fire Department Station

+30 27420 23333, 27420 21381, 27420 21111

(addr.: Sotiriou Krokida 52)

(Fire Emergency number: 199)

Municipality of Sikionia

+30 2742360100

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