

## AGREEMENT

Between the Space Research Institute of the Russian Academy of Sciences (IKI RAN)-Engelhardt Astronomical Observatory (EAO) and Scientific and Technical Research Council of Turkey (TÜBİTAK) on establishment of 1.5m optical telescope facility in Turkey.

Director A.A.Galeev on behalf of the Space Research Institute of the Russian Academy of Sciences (IKI RAN, Moscow, Russian Federation) and Director N.A.Sakhbullin on behalf of Engelhardt Astronomical Observatory (EAO, Kazan, Russian Federation) of the Russian side,

and

President T.Terzioğlu on behalf of the Scientific and Technical Research Council of Turkey (TÜBİTAK) of the Turkish side

have agreed on the following:

### 1. SUBJECT OF THE AGREEMENT.

1.1. IKI RAN/EAO shall deliver a 1.5m optical telescope with the associated focal plane instruments consisting of a photometer AFT-11 and a standard spectrograph all manufactured by the Optical and Mechanical Corporation (AO LOMO, St. Petersburg, Russian Federation) as commissioned by IKI RAN/EAO. IKI RAN/EAO shall be entitled to have 60% of the telescope observing time. 15% will be used by IKI RAN and 45% by EAO, according to agreement between IKI RAN and EAO.

1.2. TÜBİTAK shall allocate a site on the flat top of the mountain at 2500 meters altitude with adequate astroclimate at Bakırlitepe near Antalya, Turkey, build an access road, power supply line, communications, dome, technical buildings and guest house. TÜBİTAK shall be entitled to have 40% of the telescope observing time.

1.3. Both sides confirm that the main scientific task for the telescope will be ground support of the International SPECTRUM-X- GAMMA Orbital

Observatory on board Russian spacecraft, e.g. simultaneous spaceborn X-Ray, ultraviolet and groundbased optical observations of Active Galactic Nuclei and compact objects in binary stellar systems, and other objects of scientific interest arising from observations by the Spectrum X-Gamma Satellite.

1.4 Both sides confirm that IKI RAN/EAO will be proprietors of the telescope, photometer and spectrograph located on the territory of Turkey and the dome, technical buildings and the guest house will be the property of TÜBİTAK.

## 2. RESPONSIBILITIES

2.1. The Russian and the Turkish specialists concerned shall be mutually responsible for the proper operation of the telescope and its associated systems. IKI RAN is responsible for coordinating and representing the Russian side in correspondence with TÜBİTAK.

2.2. TÜBİTAK shall arrange the surface transportation with the help of IKI RAN and EAO for arrangements within Russia, and pay for transportation of the telescope from St. Petersburg via Moscow (Russia) to Bakırlitepe (Turkey).

2.3. TÜBİTAK shall invite Russian specialists to assemble and adjust the telescope and the focal plane instruments at the site and shall pay for their air travel and local expenses in Turkey.

2.4. TÜBİTAK will pay for local expenses of the Russian astronomers who come to observe at Bakırlitepe at the level of twelve man-months per calendar year to make observations. For the first year of operation of the telescope, the Russian astronomers will also help in the calibration and initial use of the telescope and focal plane instruments, and in the training of Turkish observers.

2.5. EAO and IKI RAN shall invite and pay for local expenses and training of young Turkish astronomers at EAO and IKI RAN in the Russian Federation. This scientific exchange will be planned on a yearly basis.

2.6. TÜBİTAK will be responsible for the maintenance of the telescope

and focal plane instruments. If maintenance and spare parts ~~are~~ needed from Russia TÜBİTAK shall invite and pay for air travel and living expenses of the Russian specialists at the level of one man-month per year to carry out technical maintenance and repair of the telescope or to carry out the disassembling/assembling of a damaged part at the site of Bakırhitepe. If repairs in Russia are needed TÜBİTAK shall also arrange and pay for transportation expenses of the damaged part to be repaired from Turkey to Russia and back.

2.7. İKI RAN/EAO shall be responsible for repairing the parts of the telescope and the associated equipment delivered to Russia.

### 3. SCHEDULING OBSERVATIONS AND ACCOUNTING FOR OBSERVATION TIME

3.1. The time schedule for observation shall be prepared by İKI RAN/EAO and TÜBİTAK every six months taking into account proportional distribution of the observation time. Optimum dark time nights will also be shared according to this proportion. Redistribution of the observation time between the six month schedules is possible on mutual agreement of the sides. TÜBİTAK, İKI RAN and EAO are each responsible for the selection of proposals on their share of observing time. Proposals for joint research are encouraged. Such proposals are subject to internal selection procedures on either side. A joint observation between TÜBİTAK and either İKI RAN or EAO will be charged 40% time to TÜBİTAK and 60% to the Russian party. If both İKI RAN and EAO are involved, then the time charges will be 40% to TÜBİTAK 15% to İKI RAN and 45% to EAO.

### 4. PERIOD OF VALIDITY OF THE AGREEMENT

This agreement will be valid for a period of twenty years starting from 1995. The agreement can be prolonged on mutual agreement of the sides.

### 5. RECORD OF THE AGREEMENT AND LEGAL ADDRESSES

This agreement is recorded in the English language only, and signed in

three copies, for each signatory party to keep one copy of the agreement. The legal addresses of the parties are:

IKI RAN:

Space Research Institute, Russian Academy of Sciences  
Profsoyuznaya str. 84/32,  
117810 Moscow, Russian Federation

EAO:

Engelhardt Astronomical Observatory,  
Zelenodol'sky raion, stantsia Observatoriya  
422526 Kazan, Tatarstan, Russian Federation


TÜBİTAK:

Atatürk Bulvarı, 221  
06100 Ankara, Turkey

For IKI RAN

Director, IKI RAN


Academician RAN

  
\_\_\_\_\_  
21/03 A.A. Galeev  
\_\_\_\_\_  
1995

For TÜBİTAK

President, TÜBİTAK


Prof.

  
\_\_\_\_\_  
T. Terzioğlu  
\_\_\_\_\_  
1995

For EAO

Director, EAO

Prof.

  
\_\_\_\_\_  
N.A. Sakhibullin  
\_\_\_\_\_  
1995