

Galilean Nights Event ID: gn1,241

Number of telescopes: 3 telescopes, 2 binoculars

Number of organisers: one and 3 helpers

Number of attendees: about 90 people

Event photos: 12199617

<http://www.flickr.com/photos/44718275@N02/?saved=1>

Event Report:

Now I want to write a few words of my observations during Galilean Nights.

I have been teaching astronomy at a secondary school for 38 years. My students and I carry out regular astronomical observations. In the frame of the IYA 2009 I have organized different observations of celestial objects both for students of Chernihivka and those who wish, during spring, summer and autumn. I was also invited to lecture and conduct evening observations on astronomy to other village schools of the Chernihivskiy district.

Before Galilean Nights I gave an announcement of the event in the local newspaper "Nyva" (Field) and at schools.

Fortunately the nights of the 22nd and 23rd October were favorable for observations

My story:

1. The observers were shown all visible constellations at our latitude (N 47°). The showing was accompanied with telling myths and poems about them. The ray of bright light of a flashlight helped to show the contours of the constellations.

Observation of specters of the Moon, Jupiter and the brightest stars with the help of a spectroscope placed into the focus of object-lens of the telescope. Spectroscope was made by me.

2. During the observations we carried out:

a) evaluation of color of the stars;

b) evaluation of magnitude of stars;

c) orientation and determination of the latitude of the locality according to Polar star.

3. The main lines and points of celestial sphere were shown to observers.

4. It was determined the local meridian and the moment of star culminations.

5. Angular velocity of celestial rotation was observed and determined.

6. Jupiter, Neptune, Uranus, Mars, Venus (morning) were observed.

7. Asteroids: Melpomena, Yunona were observed.

8. Double and multiple stars were observed.

9. Separate meteors were observed.

10. Objects from Messier catalogue were observed:

Galaxy: M31, 32, 33, 81, 82.

Globular Cluster: M2, 13, 15, 22, 28, 34, 55, 71, 75, 79, 92.

Open Cluster: M7, 11, 18, 21, 23, 24, 25, 26, 29, 34, 35, 36, 37, 38, 39, 41, 44, 45, 46, 47, 48, 50, 52, 67, 93, 103.

Planetary Nebula: M27, 57.

Emission and Reflection Nebula: M20, 42, 43.

Reflection Nebula: M78.

Unfortunately on the 24th of October weather conditions were bad. So after waiting for some clear sky and listening to a lecture we went to school where we had an astronomy quizzing game and saw some films on astronomy.

1. Attendance on the 23rd of October was about 90 persons.

2. The place near the cinema 'Screen' (E 36° 12' 43, 66; N 47° 11' 38, 83')

3. Photographing of the starry sky with the help of mini astrograph made by myself.

4. Plan 'B': to conduct different astronomical competitions and quizzing games. Listen to lectures on astronomy, see films connected with astronomy.

My present and former students helped me during the observation.

Best wishes,

Volodymyr Mormyl

Photo 1. My mini astrograph.

Photo 2. My self made spectroscope.

Photo 3. Observation - 22 10. 2009.

Photo 4. Observation - 23 10. 2009.