

Observation task #1

Solar observation

Total time: 20 minutes

1. a) Observation of Sun on screen (10 p)

Determine the angular size of the Sun by measuring the size of its image. Remember to check the focal length of the telescope and eyepiece.

b) Observation of Sun (20 p)

Necessary: clock, 2 pencils, ruler, protractor

Draw the shadow of a vertical stick (pencil) on a paper and record the exact time of observation. Calculate and mark S–N directions on your picture.

The equation of time: $R = 0$ min.

GPS coordinates of the observing place: N 46.882417, E 17.708329