Observational round. Questions. Planetarium

8. The Moon.
You have 3 minutes to read the problem.
Then accelerated animation of the Moon's motion will be shown twice during 4 minutes.
Moreover at the 2nd time the animation will be paused at the beginning and at the end.
After that you will have 2 minutes to write an answer.
Find out the month of the observation.

9. Motion of the planets.
You have 2.5 minutes to read the problem.
Then an accelerated animation of the Sun's and planets's motion relative to stars will be shown twice during 5 minutes. Moreover at the 2nd time the animation will be paused at the beginning and at the end.
After that you will have 2 minutes to write the answers.

9.1. Estimate dates (+/- 1 week) of the beginning and of the end of the animation.

9.2. Write, which constellations (their standard three-letter designation) the Mars and the Venus had passed.