Instructions

1. Do not open the exam envelop yourself.
2. This part of the exam consists of 7* problems located in separate exam stations.
3. You have 5 minutes to complete each problem.
4. After "out of time" is signaled, stop all actions and remain at the same station.
5. After "next station" is signaled, proceed to the next exam station and hand the exam envelope to the station's proctor.
6. Use only blue pen to mark into the answer sheets provided. Any answers written in the answer sheet at the end of timer is considered final and will be graded towards the final score.

* Number of problems will be reduced to 5 if night observation was successful

P7: Precision Polar Alignment with Equatorial Mount

Instruction: Perform a polar alignment on the equatorial mount provided

Included:

- Equatorial Mount with polar scope (has not been polar aligned)
- Date and Time (GMT, UTC+0) of the time performing the polar alignment
- Diagram of the sky's position at the time
- A light source to be substituted with Polaris to be used for proper polar alignment (already visible in the polar scope)
- Longitude of observer

Date and Time : 30 Aug 2017 / 23:30

Longitude : 10^{0} E