

# Astronomy Observations

## \*Long Version\*

### Astronomy Merit Badge

For use when inclement weather on program date precludes star party activity and observation of Sun and Moon.

Scout Name: \_\_\_\_\_

Unit #: \_\_\_\_\_

Home Address: \_\_\_\_\_  
\_\_\_\_\_

#### REQUIREMENT 4

**Instructions:** At the Museum, ten constellations (four in the Zodiac) and eight stars (at least four of 1<sup>st</sup> magnitude or brighter) were observed. Repeat these observations in the real night sky. Have an adult verify the completion of these observations.

Constellations

Stars

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Adult Signature: \_\_\_\_\_

Date: \_\_\_\_\_

### REQUIREMENT 5D

**Instructions:** Observe Venus or Jupiter with binoculars or a small telescope. Identify the planet selected and describe and/or sketch what you were able to observe:

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### REQUIREMENT 6A

**Instructions:** Sketch the face of the Moon and indicate at least five seas and five craters. Label these landmarks.



### REQUIREMENT 6B

**Instructions:** Sketch the phase and the daily position of the Moon, at the same hour and place, for four days in a row. Include landmarks on the horizon such as hills, trees and buildings. Weather permitting, it is recommended that you begin these observations between three and seven days following a New Moon.

Explain the changes that you observe:

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