

# *The Grand Tour Solar System Challenge*

## Check List

*Objective:* To learn through observing! Observe each of the primary objects. For “extra credit/endorsement,” observe any or all of the Challenge objects. You may “observe” these objects in any one of the listed (\*) methods. You may receive multiple certificates for multiple methods of completion.

Enjoy, and learn. *Triple*

Your Name:

<u>Primary Objects</u>	<u>Date/Time</u>	<u>Location</u>	<u>Conditions (sky/temp)</u>	<u>How Observed*</u>	<u>Observation Comments</u>
<b>Sun, WARNING: See Below!</b>					
<b>Mercury</b>					
<b>Venus</b>					
<b>Earth</b>					
<b>The Moon</b>					
<b>Mars</b>					
<b>Asteroid</b>					
<b>Jupiter</b>					
<b>Saturn</b>					
<b>Uranus</b>					
<b>Neptune</b>					
<b>Meteor</b>					
<b>Comet</b>					
<b>Artificial Satellite**</b>					
<u>Challenge Objects</u>	<u>Date/Time</u>	<u>Location</u>	<u>Conditions (sky/temp)</u>	<u>How Observed*</u>	<u>Observation Comments</u>
<b>Pluto</b>					
<b>Interplanetary dust- Zodiacal Light/Gegenschein</b>					
<b>Interplanetary Charged Particles- Aurora</b>					
<b>Possible new Solar System ***</b>					
<b><u>SUN WARNING!</u> Do not look at the Sun without proper eye protection. USE OF APPROVED SOLAR FILTERS REQUIRED! This object may be observed through an experienced observer’s solar filtered telescope at star parties, or by use of the internet. This will not affect your certificate rating.</b>					
* Telescope (T), Naked Eye (NE), Film Photography (FP), Marathon (M) = all in one night, Binocular (B), CCD, Internet (I) ** A piece of Earth returned to Space by Earthlings *** Any of the growing list of stars with possible planets					

Turn in finished check list to Triple Nickel

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