

X	FEATURE	DATE	TIME	SEEING	TRANSP.	LATITUDE	LONGITUDE
<b>Naked-Eye Objects</b>				E, VG, G, F, P	1 (worst) to 6 (best)		
(Within 72 Hrs of new)							
<input type="checkbox"/>	Old Moon in New Moon's Arms	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	New Moon in Old Moon's Arms	_____	_____	_____	_____	_____	_____
(Within 40 Hrs of new)							
<input type="checkbox"/>	Crescent Moon, Waxing	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Crescent Moon, Waning	_____	_____	_____	_____	_____	_____
(When full)							
<input type="checkbox"/>	<a href="#">Man in the Moon</a>	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	<a href="#">Woman in the Moon</a>	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	<a href="#">Rabbit in the Moon</a>	_____	_____	_____	_____	_____	_____
(When gibbous)							
<input type="checkbox"/>	<a href="#">Cow Jumping Over the Moon</a>	_____	_____	_____	_____	_____	_____
<b>Maria</b>							
<input type="checkbox"/>	Crisium	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Fecunditatis	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Serenitatis	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Tranquillitatis	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Nectaris	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Imbrium	_____	_____	_____	_____	_____	_____

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<b>Naked-Eye Objects</b>				E, VG, G, F, P	1 (worst) to 6 (best)		
<b>Maria (continued)</b>							
[ ]	Frigoris	_____	_____	_____	_____	_____	_____
[ ]	Nubium	_____	_____	_____	_____	_____	_____
[ ]	Humorum	_____	_____	_____	_____	_____	_____
[ ]	Oceanus Procellarum	_____	_____	_____	_____	_____	_____

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<b>Binocular Objects</b>				E, VG, G, F, P	1 (worst) to 6 (best)		
Instruments Used		_____					
[ ]	Lunar Rays	_____	_____	_____	_____	_____	_____
[ ]	Sinus Iridum	_____	_____	_____	_____	_____	_____
[ ]	Sinus Medii	_____	_____	_____	_____	_____	_____
[ ]	Sinus Roris	_____	_____	_____	_____	_____	_____
[ ]	Palus Somnii	_____	_____	_____	_____	_____	_____
[ ]	Palus Epidemiarum	_____	_____	_____	_____	_____	_____
[ ]	Mare Vaporum	_____	_____	_____	_____	_____	_____
<b>Craters - ~4 Days old</b>							
[ ]	Langrenus	_____	_____	_____	_____	_____	_____
[ ]	Vendelinus	_____	_____	_____	_____	_____	_____

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<b>Binocular Objects</b>				E, VG, G, F, P	1 (worst) to 6 (best)		
<b>Craters - ~4 Days old (continued)</b>							
[ ]	Petavius	_____	_____	_____	_____	_____	_____
[ ]	Cleomedes	_____	_____	_____	_____	_____	_____
[ ]	Atlas	_____	_____	_____	_____	_____	_____
[ ]	Hercules	_____	_____	_____	_____	_____	_____
[ ]	Endymion	_____	_____	_____	_____	_____	_____
[ ]	Macrobius	_____	_____	_____	_____	_____	_____
<b>~7 Days old</b>							
[ ]	Piccolomini	_____	_____	_____	_____	_____	_____
[ ]	Theophilus	_____	_____	_____	_____	_____	_____
[ ]	Cyrillus	_____	_____	_____	_____	_____	_____
[ ]	Catharina	_____	_____	_____	_____	_____	_____
[ ]	Posidonius	_____	_____	_____	_____	_____	_____
[ ]	Fracastorius	_____	_____	_____	_____	_____	_____
[ ]	Aristoteles	_____	_____	_____	_____	_____	_____
[ ]	Eudoxus	_____	_____	_____	_____	_____	_____
[ ]	Cassini	_____	_____	_____	_____	_____	_____

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<b>Binocular Objects</b>				E, VG, G, F, P	1 (worst) to		
<b>Craters - ~7 Days old (continued)</b>					6 (best)		
[ ]	Hipparchus	_____	_____	_____	_____	_____	_____
[ ]	Albategnius	_____	_____	_____	_____	_____	_____
[ ]	Aristillus	_____	_____	_____	_____	_____	_____
[ ]	Autolycus	_____	_____	_____	_____	_____	_____
[ ]	Maurolycus	_____	_____	_____	_____	_____	_____
<b>~10 Days old</b>							
[ ]	Plato	_____	_____	_____	_____	_____	_____
[ ]	Archimedes	_____	_____	_____	_____	_____	_____
[ ]	Ptolemaeus	_____	_____	_____	_____	_____	_____
[ ]	Alphonsus	_____	_____	_____	_____	_____	_____
[ ]	Arzachel	_____	_____	_____	_____	_____	_____
[ ]	Walther	_____	_____	_____	_____	_____	_____
[ ]	Maginus	_____	_____	_____	_____	_____	_____
[ ]	Tycho	_____	_____	_____	_____	_____	_____
[ ]	Clavius	_____	_____	_____	_____	_____	_____
[ ]	Eratosthenes	_____	_____	_____	_____	_____	_____

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<b>Binocular Objects</b>				E, VG, G, F, P	1 (worst) to 6 (best)		
Craters - ~10 Days old (continued)							
<input type="checkbox"/>	Longomontanus	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Copernicus	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Bullialdus	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Aristarchus	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Gassendi	_____	_____	_____	_____	_____	_____
~14 Days old							
<input type="checkbox"/>	Kepler	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Grimaldi	_____	_____	_____	_____	_____	_____

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<b>Telescopic Objects</b>				E, VG, G, F, P	1 (worst) to 6 (best)		
Instruments Used _____							
<input type="checkbox"/>	Sinus Aestuum	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Lacus Mortis	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Palus Putredinis	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Promontorium Laplace	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Promontorium Heraclides	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Promontorium Agarum	_____	_____	_____	_____	_____	_____

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<b>Telescopic Objects</b>				E, VG, G, F, P	1 (worst) to 6 (best)		
<i>(continued)</i>							
<input type="checkbox"/>	Montes Alpes	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Montes Apenninus	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Mons Hadley	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Mons Piton	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Mons Pico	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Rupes Altai	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Rima Hyginus	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Vallis Schroteri	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Vallis Alpes	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Rupes Recta (straight wall)	_____	_____	_____	_____	_____	_____
<b>Craters - ~4 days old</b>							
<input type="checkbox"/>	Picard	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Furnerius	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Petavius Wall	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Messier/Messier A	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Proclus	_____	_____	_____	_____	_____	_____

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<b>Telescopic Objects</b>				E, VG, G, F, P	1 (worst) to 6 (best)		
<b>Craters - ~4 days old (continued)</b>							
<input type="checkbox"/>	Fabricius	_____	_____	_____	_____	_____	_____
~7 Days old							
<input type="checkbox"/>	Plinius	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Mitchell	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Cassini A	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Manilius	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Gemma Frisius	_____	_____	_____	_____	_____	_____
~10 Days old							
<input type="checkbox"/>	Davy	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Pitatus	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Billy	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Fra Mauro	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Clavius craterlets	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Hippalus	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	J Herschel	_____	_____	_____	_____	_____	_____
~14 Days old							
<input type="checkbox"/>	Schickard	_____	_____	_____	_____	_____	_____
<input type="checkbox"/>	Reiner Gamma	_____	_____	_____	_____	_____	_____

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<b>Optional Objects</b> - each counts as 2 observations				E, VG, G, F, P	1 (worst) to 6 (best)		
<b>Naked Eye:</b>							
[ ]	Estimate first quarter phase within eight hours.	_____	_____	_____	_____	_____	_____
[ ]	Estimate third quarter phase within eight hours.	_____	_____	_____	_____	_____	_____
[ ]	Estimate full moon within thirty-six hours.	_____	_____	_____	_____	_____	_____
[ ]	Plot moon's position against the stars for three consecutive days.	_____	_____	_____	_____	_____	_____
[ ]	Compare the size of the full moon on the horizon with the full moon on the meridian using a dime held at arm's length.	_____	_____	_____	_____	_____	_____
[ ]	Find the thinnest phase by which you can read newsprint.	_____	_____	_____	_____	_____	_____
<b>Binocular:</b>							
[ ]	Sketch libration - use Mare Crisium or Grimaldi for examples.	_____	_____	_____	_____	_____	_____
[ ]	Sketch a lunar map - use any scale for binoculars only.	_____	_____	_____	_____	_____	_____
<b>Telescopic:</b>							
[ ]	Plot the moon's hourly motion against the stars for two hours or more.	_____	_____	_____	_____	_____	_____
[ ]	Measure the height of a lunar mountain - need to calculate the sun's elevation at the mountain and estimate the shadow length - try Mt. Piton.	_____	_____	_____	_____	_____	_____