

X	FEATURE	DATE	TIME	SEEING	TRANSP.	LATITUDE	LONGITUDE
Naked-Eye Objects				E, VG, G, F, P	1 (worst) to		
(Within 72 Hrs of new)					6 (best)		
<input type="checkbox"/>	Old Moon in New Moon's Arms						
<input type="checkbox"/>	New Moon in Old Moon's Arms						
(Within 48 Hrs of new)							
<input type="checkbox"/>	Crescent Moon, Waxing						
(Within 48 Hrs of new)							
<input type="checkbox"/>	Crescent Moon, Waning						
(When full)							
<input type="checkbox"/>	Man in the Moon						
<input type="checkbox"/>	Woman in the Moon						
<input type="checkbox"/>	Rabbit in the Moon						
(When gibbous)							
<input type="checkbox"/>	Cow Jumping Over the Moon						
Maria							
<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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Naked-Eye Objects				E, VG, G, F, P	1 (worst) to		
Maria (continued)					6 (best)		
<input type="checkbox"/>	Frigoris						
<input type="checkbox"/>	Nubium						
<input type="checkbox"/>	Humorum						
<input type="checkbox"/>	Oceanus Procellarum						
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Binocular Objects				E, VG, G, F, P	1 (worst) to		
Instruments Used:					6 (best)		
<input type="checkbox"/>	Lunar Rays						
<input type="checkbox"/>	Sinus Iridum						
<input type="checkbox"/>	Sinus Medii						
<input type="checkbox"/>	Sinus Roris						
<input type="checkbox"/>	Palus Somnii						
<input type="checkbox"/>	Palus Epidemiarum						
<input type="checkbox"/>	Mare Vaporum						
Craters - ~4 Days old							
<input type="checkbox"/>	Langrenus						
<input type="checkbox"/>	Vendelinus						
X	FEATURE	DATE	TIME	SEEING	TRANSP.	LATITUDE	LONGITUDE
Binocular Objects				E, VG, G, F, P	1 (worst) to		
Craters - ~4 Days old (continued)					6 (best)		

<input type="checkbox"/>	Petavius						
<input type="checkbox"/>	Cleomedes						
<input type="checkbox"/>	Atlas						
<input type="checkbox"/>	Hercules						
<input type="checkbox"/>	Endymion						
<input type="checkbox"/>	Macrobius						
~7 Days old							
<input type="checkbox"/>	Piccolomini						
<input type="checkbox"/>	Theophilus						
<input type="checkbox"/>	Cyrillus						
<input type="checkbox"/>	Catharina						
<input type="checkbox"/>	Posidonius						
<input type="checkbox"/>	Fracastorius						
<input type="checkbox"/>	Aristoteles						
<input type="checkbox"/>	Eudoxus						
<input type="checkbox"/>	Cassini						
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Binocular Objects				E, VG, G, F, P	1 (worst) to		
Craters - ~7 Days old (continued)					6 (best)		
<input type="checkbox"/>	Hipparchus						

<input type="checkbox"/>	Albategnius						
<input type="checkbox"/>	Aristillus						
<input type="checkbox"/>	Autolycus						
<input type="checkbox"/>	Maurolycus						
~10 Days old							
<input type="checkbox"/>	Plato						
<input type="checkbox"/>	Archimedes						
<input type="checkbox"/>	Ptolemaeus						
<input type="checkbox"/>	Alphonsus						
<input type="checkbox"/>	Arzachel						
<input type="checkbox"/>	Walther						
<input type="checkbox"/>	Maginus						
<input type="checkbox"/>	Tycho						
<input type="checkbox"/>	Clavius						
<input type="checkbox"/>	Eratosthenes						
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Binocular Objects				E, VG, G, F, P	1 (worst) to		
Craters - ~10 Days old (continued)					6 (best)		
<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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Telescopic Objects				E, VG, G, F, P	1 (worst) to		
Instruments Used:					6 (best)		
<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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Telescopic Objects				E, VG, G, F, P	1 (worst) to		
(continued)					6 (best)		
<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)						
Craters - ~4 days old							
<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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Telescopic Objects				E, VG, G, F, P	1 (worst) to		
Craters - ~4 days old (continued)					6 (best)		
<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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Optional Objects - each counts as 2 observations				E, VG, G, F, P	1 (worst) to		
Naked Eye:					6 (best)		
<input type="checkbox"/>	Estimate first quarter phase within eight hours.						
<input type="checkbox"/>	Estimate third quarter phase within eight hours.						
<input type="checkbox"/>	Estimate full moon within thirty-six hours.						
<input type="checkbox"/>	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.											
Binocular:												
[]	Sketch libration - use Mare Crisium or Grimaldi for examples.											
[]	Sketch a lunar map - use any scale for binoculars only.											
Telescopic:												
[]	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.											