

		Feature	Date	Time	Seeing	Transparency	Latitude	Longitude
					E, VG, G, F, P	1-worst to 6-best		
Naked-Eye Objects		Old Moon in New Moon's Arms (Within 72 Hrs of new)						
		New Moon in Old Moon's Arms (Within 72 Hrs of new)						
		Crescent Moon, Waxing (Within 48 Hrs of new)						
		Crescent Moon, Waning (Within 48 Hrs of new)						
		Man in the Moon (When full)						
		Woman in the Moon (When full)						
		Rabbit in the Moon (When full)						
		Cow Jumping Over the Moon (When gibbous)						
	Maria	Crisium						
		Fecunditatis						
		Serenitatis						
		Tranquillitatis						
		Nectaris						
		Imbrium						
Frigoris								
Nubium								
Humorum								
Oceanus Procellarum								
Binocular Objects	Binocular Objects	Instruments Used						
		Lunar Rays						
		Sinus Iridum						
		Sinus Medii						
		Sinus Roris						
		Palus Somnii						
		Palus Epidemiarum						
	Mare Vaporum							
	Craters ~4 Days old	Langrenus						
		Vendelinus						
		Petavius						
		Cleomedes						
		Atlas						
		Hercules						
		Endymion						
	Macrobios							
	Craters ~7 Days old	Piccolomini						
		Theophilus						
		Cyriillus						
		Catharina						
		Posidonius						
		Fracastorius						
		Aristoteles						
Eudoxus								
Cassini								
Hipparchus								
Albategnius								
Aristillus								
Autolyclus								
Maurolycus								

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Binocular Objects	Craters ~10 Days old	Plato						
		Archimedes						
		Ptolemaeus						
		Alphonsus						
		Arzachel						
		Walther						
		Maginus						
		Tycho						
		Clavius						
		Eratosthenes						
		Longomontanus						
		Copernicus						
		Bullialdus						
		Aristarchus						
	Gassendi							
Craters ~14 Days old	Kepler							
	Grimaldi							
Telescope Objects	Instruments Used							
		Sinus Aestuum						
		Lacus Mortis						
		Palus Putredinis						
		Promontorium Laplace						
		Promontorium Heraclides						
		Promontorium Agarum						
		Montes Alpes						
		Montes Apenninus						
		Mons Hadley						
		Mons Piton						
		Mons Pico						
		Rupes Altai						
		Rima Hyginus						
		Vallis Schroteri						
		Vallis Alpes						
	Rupes Recta (straight wall)							
	Craters ~4 Days old	Picard						
		Furnerius						
		Petavius Wall						
		Messier/Messier A						
		Proclus						
	Craters ~7 Days old	Fabricius						
		Plinius						
		Mitchell						
		Cassini A						
		Manilius						
		Gemma Frisius						

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Telescope Objects	Craters ~10 Days old	Davy						
		Pitatus						
		Billy						
		Fra Mauro						
		Clavius craterlets						
		Hippalus						
		J Herschel						
	Craters ~14 Days old	Schickard						
		Reiner Gamma						
Optional Objects - Each counts as 2 observations	Naked-Eye	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.						
	Bino.	Sketch libration - use Mare Crisium or Grimaldi for examples.						
		Sketch a lunar map - use any scale for binoculars only.						
	Tel.	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.						