Task or Target #	Task Description or Target Name	Wood's LUNAR 100 Catalog	Rükl Atlas (chart)
	Create a sketch/map of the visible lunar surface:		
1	Observe a Full Moon and sketch a large-scale (prominent features) map depicting the nearside; disk of visible surface should be drawn at	L-1	
2	least 5-inches in diameter. Sketch itself should be created only by observing the Moon, but maps or guidebooks may be used when labeling sketched features. Label all maria, prominent craters, and major rays by the crater name they originated from.	L-1	
3	(Counts as 3 observations (OBSV): #1, #2 & #3)	L-1	
	Observe these targets; provide brief descriptions:		
4	Alpetragius		55
5	Arago		35
6	Arago Alpha & Arago Beta	L-32	35
7	Aristarchus Plateau	L-18	18
8	Baco	L-55	74
9	Bailly	L-37	71
10	Beer, Beer Catena & Feuillée		21
11	Bullialdus, Bullialdus A & Bullialdus B		53
12	Cassini, Cassini A & Cassini B		12
13	Cauchy, Cauchy Omega & Cauchy Tau	L-48	36
14	Censorinus		47
15	Crüger		50
16	Dorsae Lister & Smirnov (A.K.A. Serpentine Ridge)	L-33	24
17	Grimaldi Basin outer and inner rings	L-36	39, etc.
18	Hainzel, Hainzel A & Hainzel C		63
19	Hercules, Hercules G, Hercules E		14
20	Hesiodus A	L-81	54, 64
21	Hortensius dome field	L-65	30
22	Julius Caesar		34
23	Kies		53
24	Kies Pi	L-60	53
25	Lacus Mortis		14
26	Linne		23
27	Lamont	L-53	35
28	Mairan		9
29	Mare Australe	L-56	76
30	Mare Cognitum		42, etc.
31	Mare Humboltianum basin	L-70	7, etc.
32	Mare Insularum & Sinus Aestuum		32, etc.
33	Mare Marginis		27, 38
34	Mare Smythii		38, 49
35	Mare Spumans		38
36	Mare Undarum		38
37	Marius Hills	L-42	29
38	Mersenius	L-44	51

39	Milichius Pi		30
40	Mons Gruithuisen Gamma & Mons Gruithuisen Delta	L-49	9
41	Mons Rümker (A.K.A. Rümker Hills)	L-65	8
42	Montes Agricola		18
43	Montes Cordillera		39, 50
44	Montes Foucault (The mountains just west and north of Foucault Crater)		2
45	Montes Rook		50
46	Montes Recti, Teneriffe & Spitzbergen		11, etc.
47	Mösting A	L-61	43
48	Promontorium Archerusia		24
49	Regiomontanus & Regiomontanus A	L-46	55
50	Rabbi Levi		67
51	Rima Aridaeus	L-29	34
52	Rima Cauchy	L-48	36
53	Rima Hadley	L-66	22
54	Rima Hesiodus		63, etc.
55	Rimae Hippalus	L-54	52, 53
56	Rimae Janssen	L-40	67
57	Rimae Triesnecker	L-35	33
58	Ritter & Sabine	L-38	35
59	Sacrobosco		56
60	Schiller, Segner, Zucchius region	L-59	71
61	Sinus Amoris		25
62	Sinus Asperitatis		46, 47
63	Sinus Concordiae		37
64	Sinus Lunicus		12
65	Stadius & Stadius Catenae		32
66	Taruntius	L-31	37
67	Timocharis		21
68	Vallis Rheita	L-58	68
69	Wargentin	L-43	70
70	Wolf		54
	Sketch these targets:		
71	Any polar crater (above 80N latitude or below 80S latitude)		
72	Clavius & its internal craterlets (counts as 2 OBSV: #72 & #73)	L-9	72
73	Clavius & its internal craterlets	L-9	72
74	Davy Y	L-51	43
75	Delaunay		55
76	Mare Crisium	L-10	26, etc.
77	Messier, Messier A & rays		48
78	Montes Jura (counts as 2 OBSV: #78 & #79)		10
79	Montes Jura		10
80	Müller and craterlet chains		44
81	Thebit, Thebit A & Thebit L		55
82	Vallis Alpes		4
83	Sketch or image "earthshine" on lunar surface. Identify any major features visible on the shadowed portion of the lunar surface	L-2	
84	Create sketches or images of limb feature(s) that depict libration		
85	effect. (counts as 2 OBSV: #84 & #85)		

86	Sketch or image a close conjunction of Moon and bright star or planet		
	Observe and create multiple sketches (or images) of same targets:		
87	Byrgius A near lunar sunrise (or sunset)		50
88	Byrgius A near lunar midday		50
89	Proclus near lunar midday	L-12	26
90	Proclus near lunar sunset	L-12	26
91	Rupes Recta near lunar sunrise	L-15	54
92	Rupes Recta near lunar sunset	L-15	54
93	Tycho near lunar sunrise (or sunset)	L-6	64
94	Tycho near lunar midday	L-6	64
	Miscellaneous observations:		
95	Observe Statio Tranquillitatis region (AKA "Tranquility Base") In addition to describing the lunar surface, observing notes should include mission name, date(s) of exploration, and a brief description of significance.		35
96	Observe another Luna, Lunakhod, or Apollo mission site – in addition to describing lunar surface, observing notes should include mission name, date(s) of exploration and a brief description of significance		
97	Observe another Luna, Lunakhod, or Apollo mission site – in addition to describing lunar surface, observing notes should include mission name, date(s) of exploration and a brief description of significance		
98	Observe occultation (ingress, egress or graze) of a bright star, planet or planetary moon. Include exact time of event. (count as 1 OBSV; if both ingress behind & egress from behind Moon are logged, count as 2 OBSV)		
99	Observe a lunar eclipse; description and/or labeled sketches/images		
100	must as a minimum describe entry and event maximum (counts as 2 OBSV: #99 & #100)		
	OPTIONAL TARGETS: may substitute for required tasks/targets		
OPT-A	Create a series of sketches or images that show daily phase/position change; 3 or more days/nights at approximately same hour (sub for 2 OBSV)		
OPT-B	Create two or more sketches or images, taken one month or more apart, that show change in Moon's path w/ respect to landmark(s) on the local horizon. Images should be taken with same equipment and at same magnification (sub for 2 OBSV)		
OPT-C	Create two or more images that depict the change in apparent diameter of the Moon at/near apogee and perigee. Each image should be taken with same equipment and at same magnification (sub for 1 OBSV)		
OPT-D	Observe a solar eclipse (sub for 1 OBSV; if sketches/images		

are included and depict entry and event maximum, sub for 2 OBSV)

OPT-E Observe a lowland area with one or more colored filters, and compare the similarities/differences to the unfiltered view (sub for 1 OBSV)

OPT-F Create a series of images at one-hour intervals that show the terminator passing over a prominent feature (sub for 2 OBSV)