

ISABEL WILLIAMSON LUNAR OBSERVING PROGRAM

	LUNATION 0 - 2 DAYS 88°E - 64°E		LUNATION 2 - 3 DAYS 64°E - 52°E
RUKL MAP	VIEWING OBJECTIVE	RUKL MAP	VIEWING OBJECTIVE
		7	9
		16	8
		27 / 26	1, 3; 1, 11, 15
		38 / 37	1, 2; 1, 13
		49 / 48	4, 5; 13
		60 / 59	4; 6, 10, 13
		69	7, 10, 12
		75	30
	LUNATION 3 - 4 DAYS 52°E - 40°E		LUNATION 4 - 5 DAYS 40°E - 28°E
RUKL MAP	VIEWING OBJECTIVE	RUKL MAP	VIEWING OBJECTIVE
15 / 14	16, 24; 24	5	48
26 / 25	1, 11, 15, 18; 19, 27	14	24, 33, 36, 41
37	1, 13, 18, 21, 26	25 / 24	27; 34, 41
48 / 47	13, 23; 23	37 / 36	26; 26, 35
59 / 58	10, 13; 23, 25	47 / 46	23, 25, 28, 37, 42; 37
69	12	58	23, 25, 29, 31
68 / 67	14, 17, 20, 22; 22	68 / 67	20, 22, 31; 22, 32, 46
76 / 75	17; 30	75 / 74	30; 58
	LUNATION 5 - 6 DAYS 28°E - 16°E		LUNATION 6 - 7 DAYS 16°E - 4°E
RUKL MAP	VIEWING OBJECTIVE	RUKL MAP	VIEWING OBJECTIVE
5	48	5 / 4	48; 68
14 / 13	33, 36; 48	13 / 12	48, 60; 68
24	34, 41, 43	23 / 22	52, 56, 57, 59; 52, 70
36 / 35	35; 44, 45	34 / 33	53, 59, 61; 64
46	37, 38, 40, 42, 45, 47	46 / 45	47; 54, 65, 66
57 / 56	39, 40, 54; 49, 54	56 / 55	49, 54, 55, 63; 67
67 / 66	32, 46; 50	66 / 65	50, 51, 62; 62, 67
74	58	74 / 73	58; 62, 80

This spreadsheet works well with Virtual Moon Atlas when you hold the mouse over the terminator to determine what the longitude is or will be for your viewing session, and then refer to the spreadsheet to find what is in the most favorable position for viewing.

ISABEL WILLIAMSON LUNAR OBSERVING PROGRAM

	LUNATION 13 - 15 DAYS 67°W - 90°W		FULL MOON
RUKL MAP	VIEWING OBJECTIVE	RUKL MAP	VIEWING OBJECTIVE
2	133	12	69
28	131	23	57
39	134	38, 27, 26, 37	1
50	132	37, 26	18
62 / 61	127; 135	37	21
		31	95
		30	115
		39	134
	LUNATION 15 - 16 DAYS 90°E - 74°E		LUNATION 16 - 17 DAYS 74°E - 61°E
RUKL MAP	VIEWING OBJECTIVE	RUKL MAP	VIEWING OBJECTIVE
7	9	7	9
16	8	16	8
		27 / 26	1, 3; 11
		38	1, 2
		49	4, 5
		60 / 59	4; 6
		69	7
	LUNATION 17 - 18 DAYS 61°E - 49°E		LUNATION 18 - 19 DAYS 49°E - 37°E
RUKL MAP	VIEWING OBJECTIVE	RUKL MAP	VIEWING OBJECTIVE
7	9	5	48
16 / 15	8; 16	15 / 14	16, 24; 24
26	1, 11, 15	26 / 25	11, 18; 19, 27
38 / 37	1, 2; 1	37 / 36	13, 18, 21, 26; 26
49 / 48	4, 5; 13	48 / 47	13, 23; 23, 25, 28
60 / 59	4; 6, 10, 13	59 / 58	10, 13, 40; 23, 25
69 / 68	7, 10, 12; 14, 17	68 / 67	14, 17, 20, 22; 22
76 / 75	17; 30	76 / 75	17; 30
	LUNATION 19 - 20 DAYS 37°E - 25°E		LUNATION 20 - 21 DAYS 25°E - 13°E
RUKL MAP	VIEWING OBJECTIVE	RUKL MAP	VIEWING OBJECTIVE
5	48	5	48
14	33, 36	13	48, 60
25 / 24	27; 34, 41, 43	24 / 23	41, 43; 52, 56, 57
36 / 35	26, 35; 44	35 / 34	44, 45; 53
47 / 46	25, 28, 42; 37, 38, 42, 45	46 / 45	37, 38, 40, 42, 45, 47; 54
58 / 57	25, 29, 31; 39, 40	57 / 56	39, 40, 54; 49, 54, 55
67	32, 46	67 / 66	46; 50, 51
75 / 74	30; 58	74 / 73	58; 80
This spreadsheet works well with Virtual Moon Atlas when you hold the mouse over the terminator to determine what the longitude is or will be for your viewing session, and then refer to the spreadsheet to find what is in the most favorable position for viewing.			

ISABEL WILLIAMSON LUNAR OBSERVING PROGRAM

13°E - 1°E		1°E - 11°W	
RUKL MAP	VIEWING OBJECTIVE	RUKL MAP	VIEWING OBJECTIVE
4	68, 76	4 / 3	68, 76; 85
13 / 12	48, 60; 68, 69	12 / 11	68, 69, 77, 96; 84
23 / 22	52, 56, 57, 59; 52, 70	22 / 21	70, 78, 96; 70, 87, 89, 96
34 / 33	53, 59, 61; 64	33 / 32	64; 87, 91
45 / 44	54, 65, 66; 65, 66, 75	44 / 43	75; 82
56 / 55	49, 55, 56, 63; 67, 73	55 / 54	73, 74; 83
66 / 65	50, 51, 62; 62, 67, 71, 72	65 / 64	71, 72, 79; 79, 86, 88
74 / 73	58; 80, 81	73 / 72	80, 81, 92; 92
LUNATION 23 - 24 DAYS		LUNATION 24 - 25 DAYS	
11°W - 23°W		23°W - 35°W	
RUKL MAP	VIEWING OBJECTIVE	RUKL MAP	VIEWING OBJECTIVE
3	85	3 / 2	85; 133
11 / 10	84, 94; 104, 106	10	104, 106
21 / 20	87, 89, 96; 104, 105	20 / 19	104, 105; 112, 114
32 / 31	87, 91; 95, 96, 103, 105	31 / 30	105; 111, 112
43 / 42	93; 93, 102	42 / 41	102, 103, 110; 110
54 / 53	90, 108; 100, 101	53 / 52	100, 101, 108; 113
64 / 63	86, 88, 90, 97; 108	63 / 62	108, 109; 108
72	92, 98, 99, 107	72 / 71	98, 99, 107; 118
LUNATION 25 - 26 DAYS		LUNATION 26 - 27 DAYS	
35°W - 47°W		47°W - 59°W	
RUKL MAP	VIEWING OBJECTIVE	RUKL MAP	VIEWING OBJECTIVE
2	133	2	133
10 / 9	106; 106, 117	9 / 8	117; 130
19 / 18	114, 119; 122	18	122
30	115	29 / 28	126; 126, 131
40	120	40 / 39	124; 132
52 / 51	113, 116; 121, 123	51 / 50	123, 128; 132
62	127	62 / 61	127; 128, 135
71	118, 125	71 / 70	125; 129
LUNATION 27 - 28 DAYS		LUNATION 28 - 30 DAYS	
59°W - 71°W		71°W - 90°W	
RUKL MAP	VIEWING OBJECTIVE	RUKL MAP	VIEWING OBJECTIVE
2	133		
8	130		
28	126, 131		
39	132, 134		
50	132		
61	135		
70	129		
This spreadsheet works well with Virtual Moon Atlas when you hold the mouse over the terminator to determine what the longitude is or will be for your viewing session, and then refer to the spreadsheet to find what is in the most favorable position for viewing.			