Location: HUNTER AAF KSVN 32.01,-81.1457

Date	BMT (LOC)	SR (LOC)	SS (LOC)	EET (LOC)	MR (LOC)	MS (LOC)	2000	2015	2030	2045	2100	2115	2130	2145	2200	2215	2230	2245	2300	2315	2330	2345	0000	0015	0030	0045	0100	0115	0130	0145	0200	0215	0230	0245	0300	0315	0330	0345	0400	0415	0430	0445	0500	0515	0530	0545	0600	0615	0630	0645
							MAX ELEV. ANGLE OVER TIME (LOCAL) - in degrees																																													
01 Aug 21	05:41	06:40	20:21	21:20	01:05	14:51	-40	-41	-40	-40	-39	-39	-38	-36	-35	-33	-32	-30	-28	-25	-23	-21	-18	-16	-13	-11	-8	-5	-2	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	47	50	53	56	59	62
LUNAR ILLUMINATION % OVER TIME							37	36	36	36	36	36	36	36	36	36	36	36	35	35	35	35	35	35	35	35	35	35	34	34	34	34	34	34	34	34	34	34	34	33	33	33	33	33	33	33	33	33	33	33
LUNAR PERIOD: 4:36 DARKNESS PERIOD: 1:05 / 2:39																																																		
02 Aug 21	05:42	06:41	20:20	21:19	01:37	15:47	-35	-36	-37	-37	-37	-37	-37	-36	-35	-34	-33	-32	-30	-29	-27	-25	-23	-21	-19	-16	-14	-11	-9	-6	-3	0	3	5	8	11	14	17	20	23	26	29	32	35	38	41	44	48	51	54
LUNAR ILLUMINATION % OVER TIME							28	28	28	27	27	27	27	27	27	27	27	27	27	27	26	26	26	26	26	26	26	26	26	26	26	26	25	25	25	25	25	25	25	25	25	25	25	25	24	24	24	24	24	24
LUNAR PERIOD: 4:05 DARKNESS PERIOD: 1:37 / 2:40																																																		
03 Aug 21	05:43	06:41	20:20	21:18	02:14	16:43	-29	-31	-32	-33	-34	-34	-34	-35	-35	-34	-34	-33	-32	-31	-30	-29	-27	-25	-24	-22	-20	-17	-15	-13	-10	-8	-5	-3	1	3	6	9	11	14	17	20	23	26	29	32	35	38	41	44
LUNAR ILLUMINATION % OVER TIME							20	20	19	19	19	19	19	19	19	19	19	19	19	19	19	18	18	18	18	18	18	18	18	18	18	18	18	17	17	17	17	17	17	17	17	17	17	17	17	17	16	16	16	16
LUNAR PERIOD: 3:29 DARKNESS PERIOD: 2:14 / 2:41																																																		
04 Aug 21	05:44	06:42	20:19	21:17	02:55	17:39	-22	-24	-26	-27	-29	-30	-31	-32	-33	-33	-33	-33	-33	-33	-32	-31	-30	-29	-28	-27	-25	-23	-21	-19	-17	-15	-13	-11	-8	-6	-3	0	3	5	8	11	14	16	19	22	25	28	31	34
LUNAR ILLUMINATION % OVER TIME							13	13	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	10	10	10	10	10	10	10	10	10	10	10
LUNAR PERIOD: 2:49 DARKNESS PERIOD: 2:55 / 2:42																																																		
05 Aug 21	05:45	06:43	20:18	21:16	03:42	18:32	-15	-17	-19	-21	-23	-25	-27	-28	-29	-30	-31	-32	-33	-33	-33	-33	-33	-32	-32	-31	-30	-29	-27	-26	-24	-22	-20	-18	-16	-14	-12	-9	-7	-4	-2	1	4	6	9	12	15	18	21	24
LUNAR ILLUMINATION % OVER TIME							7	7	7	7	7	7	7	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
LUNAR PERIOD: 2:03 DARKNESS PERIOD: 3:42 / 2:43																																																		
06 Aug 21	05:46	06:43	20:17	21:15	04:36	19:22	-8	-10	-12	-15	-17	-19	-21	-23	-25	-27	-28	-30	-31	-32	-33	-34	-34	-34	-34	-34	-34	-33	-33	-32	-31	-29	-28	-26	-25	-23	-21	-19	-16	-14	-12	-9	-7	-4	-1	2	4	7	10	13
LUNAR ILLUMINATION % OVER TIME							3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
LUNAR PERIOD: 1:10 DARKNESS PERIOD: 4:36 / 2:44																																																		
07 Aug 21	05:46	06:44	20:16	21:14	05:34	20:06	1	-2	-5	-8	-10	-13	-15	-18	-20	-22	-24	-26	-28	-30	-31	-33	-34	-35	-36	-36	-37	-37	-37	-37	-36	-36	-35	-34	-32	-31	-29	-28	-26	-24	-22	-19	-17	-15	-12	-10	-7	-4	-2	1
LUNAR ILLUMINATION % OVER TIME							1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LUNAR PERIOD: 0:12 DARKNESS PERIOD: 5:34 / 2:45																																																		
08 Aug 21	05:47	06:45	20:15	21:13	06:35	20:47	8	5	3	0	-3	-6	-9	-12	-14	-17	-19	-22	-24	-26	-29	-31	-32	-34	-36	-37	-38	-39	-40	-41	-41	-41	-41	-40	-40	-39	-38	-37	-35	-33	-32	-30	-28	-26	-23	-21	-18	-16	-13	-11
LUNAR ILLUMINATION % OVER TIME							0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LUNAR PERIOD: 00:00 DARKNESS PERIOD: 5:47 / 2:46																																																		
09 Aug 21	05:48	06:45	20:14	21:11	07:38	21:23	16	13	10	7	4	1	-2	-5	-8	-11	-14	-17	-19	-22	-24	-27	-29	-32	-34	-36	-38	-40	-41	-42	-44	-45	-45	-46	-46	-46	-45	-45	-44	-43	-41	-40	-38	-36	-34	-32	-30	-27	-25	-22
LUNAR ILLUMINATION % OVER TIME							2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
LUNAR PERIOD: 0:12 DARKNESS PERIOD: 5:48 / 2:36																																																		
10 Aug 21	05:49	06:46	20:13	21:10	08:41	21:56	23	20	17	14	11	8	5	2	-2	-5	-8	-11	-14	-16	-19	-22	-25	-28	-30	-33	-35	-38	-40	-42	-44	-46	-47	-49	-50	-51	-51	-51	-51	-51	-50	-49	-48	-47	-45	-43	-41	-39	-37	-34
LUNAR ILLUMINATION % OVER TIME							7	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	10
LUNAR PERIOD: 0:46 DARKNESS PERIOD: 5:49 / 2:03																																																		
11 Aug 21	05:50	06:47	20:12	21:09	09:44	22:28	30	27	24	21	18	14	11	8	5	2	-1	-4	-7	-10	-14	-17	-20	-23	-25	-28	-31	-34	-37	-39	-42	-44	-47	-49	-51	-53	-54	-55	-56	-57	-57	-57	-57	-56	-55	-54	-52	-50	-48	-46
LUNAR ILLUMINATION % OVER TIME							13	14	14	14	14	14	14	14	14	14	14	14	14	14	15	15	15	15	15	15	15	15	15	15	15	15	16	16	16	16	16	16	16	16	16	16	16	16	17	17	17	17	17	17
LUNAR PERIOD: 1:19 DARKNESS PERIOD: 5:50 / 1:31																																																		
12 Aug 21	05:50	06:47	20:11	21:08	10:47	23:00	35	32	29	26	24	21	18	15	12	9	5	2	-1	-4	-7	-10	-13	-16	-19	-23	-26	-29	-32	-34	-37	-40	-43	-46	-48	-51	-53	-56	-58	-59	-61	-62	-63	-63	-63	-63	-62	-61	-60	-58
LUNAR ILLUMINATION % OVER TIME							22	22	22	22	22	22	22	23	23	23	23	23	23	23	23	23	23	24	24	24	24	24	24	24	24	24	24	25	25	25	25	25	25	25	25	25	25	26	26	26	26	26	26	26
LUNAR PERIOD: 1:52 DARKNESS PERIOD: 5:50 / 0:59																																																		
13 Aug 21	05:51	06:48	20:10	21:07	11:51	23:33	38	36	34	31	29	26	23	20	18	15	12	9	6	3	0	-3	-6	-10	-13	-16	-19	-22	-25	-28	-31	-34	-37	-40	-43	-46	-49	-52	-54	-57	-60	-62	-64	-66	-67	-68	-69	-69	-69	-68
LUNAR ILLUMINATION % OVER TIME							32	32	32	32	32	32	32	33	33	33	33	33	33	33	33	34	34	34	34	34	34	34	34	34	35	35	35	35	35	35	35	35	35	36	36	36	36	36	36	36	36	36	37	37
LUNAR PERIOD: 2:26 DARKNESS PERIOD: 5:51 / 0:26																																																		
14 Aug 21	05:52	06:49	20:09	21:06	12:57	**	39	38	36	34	32	30	28	25	23	20	18	15	12	10	7	4	1	-2	-5	-8	-11	-14	-17	-20	-23	-26	-29	-33	-36	-39	-42	-45	-48	-51	-54	-57	-59	-62	-65	-67	-70	-71	-73	-74
LUNAR ILLUMINATION % OVER TIME							43	43	43	43	43	43	44	44	44	44	44	44	44	44	44	45	45	45	45	45	45	45	45	46	46	46	46	46	46	46	46	46	47	47	47	47	47	47	47	47	48	48	48	48
LUNAR PERIOD: 2:53 DARKNESS PERIOD: 5:52																																																		
15 Aug 21	05:53	06:49	20:08	21:04	14:05	00:08	38	37	36	35	34	33	31	29	27	25	23	21	18	16	13	11	8	6	3	0	-3	-6	-9	-12	-15	-18	-21	-24	-27	-30	-33	-36	-39	-42	-45	-48	-51	-54	-57	-60	-63	-66	-68	-71
LUNAR ILLUMINATION % OVER TIME							54	54	54	55	55	55	55	55	55	55	55	56	56	56	56	56	56	56	56	57	57	57	57	57	57	57	57	57	58	58	58	58	58	58	58	58	59	59	59	59	59	59	59	59
LUNAR PERIOD: 0:09 / 2:55 DARKNESS PERIOD: 5:44																																																		
16 Aug 21	05:54	06:50	20:07	21:03	15:13	00:48	34	34	34	34	34	33	32	31	30	29	27	26	24	22	20	18	15	13	10	8	5	3	1	-3	-5	-8	-11	-14	-17	-20	-23	-26	-29	-32	-35	-38	-41	-44	-47	-50	-53	-56	-59	-62
LUNAR ILLUMINATION % OVER TIME							66	66	66	66	66	66	66	66	66	67	67	67	67	67	67	67	67	67	68	68	68	68	68	68	68	68	68	69	69	69	69	69	69	69	69	69	70	70	70	70	70	70	70	70
LUNAR PERIOD: 0:49 / 2:56 DARKNESS PERIOD: 5:05																																																		
17 Aug 21	05:54	06:51	20:06	21:02	16:22	01:35	29	30	31	31	32	32	32	32	32	31	30	29	28	27	25	24	22	20	18	16	14	11	9	7	4	2	-1	-4	-6	-9	-12	-15	-18	-20	-23	-26	-29	-32	-35	-38	-41	-44	-47	-50
LUNAR ILLUMINATION % OVER TIME							76	76	76	76	76	76	77	77	77	77	77	77	77	77	77	77	78	78	78	78	78	78	78	78	78	78	79	79	79	79	79	79	79	79	79	79	80	80	80	80	80	80	80	80
LUNAR PERIOD: 1:36 / 2:57 DARKNESS PERIOD: 4:18																																																		
18 Aug 21	05:55	06:51	20:05	21:01	17:26	02:29	22	24	25	27	28	29	30	31	31	31	31	31	31	30	30	29	28	26	25	23	22	20	18	16	14	11	9	7	4	2	-1	-4	-6	-9	-12	-15	-17	-20	-23	-26	-29	-32	-35	-38
LUNAR ILLUMINATION % OVER TIME							85	85	85	85	85	85	86	86	86	86	86	86	86	86	86	86	86	86	87	87	87	87	87	87	87	87	87	87	87	87	87	88	88	88	88	88	88	88	88	88	88	88	88	88
LUNAR PERIOD: 2:30 / 2:58 DARKNESS PERIOD: 3:25																																																		
19 Aug 21	05:56	06:52	20:04	21:00	18:25	03:29	15	17	19	21	23	25	26	28	29	30	31	32	32	33	33	33	32	32	31	30	29	28	26	25	23	21	19	17	15	13	10	8	5	3	1	-3	-5	-8	-11	-14	-17	-19	-22	-25
LUNAR ILLUMINATION % OVER TIME							92	92	92	92	92	92	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	95	95	95
LUNAR PERIOD: 3:30 / 2:59 DARKNESS PERIOD: 2:26																																																		
20 Aug 21	05:57	06:53	20:03	20:58	19:15	04:35	7	10	12	15	17	19	21	24	25	27	29	30	32	33	34	35	35	35	36	35	35	35	34	33	32	30	29	27	25	23	21	19	17	14	12	9	7	4	2	-1	-4	-7	-10	-13
LUNAR ILLUMINATION % OVER TIME							97	97	97	97	97	97	97	97	97	97	97	97	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
LUNAR PERIOD: 4:36 / 3:01 DARKNESS PERIOD: 1:21																																																		
21 Aug 21	05:58	06:53	20:02	20:57	19:59	05:43	0	3	5	8	11	13	16	18	21	23	25	28	30	31	33	35	36	37	38	39	39	40	40	39	39	38	37	36	35	33	32	30	28	26	24	21	19	16	14	11	8	6	3	0
LUNAR ILLUMINATION % OVER TIME							100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
LUNAR PERIOD: 5:44 / 3:02 DARKNESS PERIOD: 0:14																																																		
22 Aug 21	05:58	06:54	20:00	20:56	20:36	06:49	-8	-5	-2	1	4	7	10	13	15	18	21	23	26	28	31	33	35	37	39	40	42	43	44	44	45	45	45	44	44	43	41	40	38	37	35	33	30	28	26	23	20	18	15	12
LUNAR ILLUMINATION % OVER TIME							100	100	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
LUNAR PERIOD: 5:58 / 3:03																																																		
23 Aug 21	05:59	06:54	19:59	20:54	21:08	07:53	-15	-12	-9	-6	-2	1	4	7	10	13	16	19	21	24	27	30	32	35	37	39	41	43	45	47	48	49	50	50	50	50	50	49	48	47	45	43	41	39	37	35	32	30	27	24
LUNAR ILLUMINATION % OVER TIME							97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96
LUNAR PERIOD: 5:59 / 2:52 DARKNESS PERIOD: 0:13																																																		
24 Aug 21	06:00	06:55	19:58	20:53	21:38	08:53	-21	-18	-15	-12	-9	-6	-2	1	4	7	10	13	16	19	22	25	28	31	34	36	39	42	44	46	48	50	52	54	55	56	56	56	56	55	55	53	52	50	48	46	44	41	39	36
LUNAR ILLUMINATION % OVER TIME							93	93	93	93	93	93	93	93	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	90	90
LUNAR PERIOD: 6:00 / 2:22 DARKNESS PERIOD: 0:44																																																		
25 Aug 21	06:01	06:56	19:57	20:52	22:06	09:52	-26	-23	-20	-17	-14	-11	-8	-5	-2	1	4	7	10	14	17	20	23	26	29	32	35	38	41	43	46	49	51	54	56	57	59	60	61	62	62	62	61	60	58	56	54	52	50	47
LUNAR ILLUMINATION % OVER TIME							87	87	87	87	87	87	86	86	86	86	86	86	86	86	86	86	86	86	86	86	85	85	85	85	85	85	85	85	85	85	85	85	85	85	84	84	84	84	84	84	84	84	84	84
LUNAR PERIOD: 6:01 / 1:54 DARKNESS PERIOD: 1:13																																																		
26 Aug 21	06:01	06:56	19:56	20:51	22:34	10:49	-31	-28	-25	-22	-20	-17	-14	-11	-8	-5	-2	2	5	8	11	14	17	20	23	26	29	33	36	39	42	45	48	50	53	56	58	61	63	64	66	67	67	67	67	66	64	63	61	58
LUNAR ILLUMINATION % OVER TIME							80	80	79	79	79	79	79	79	79	79	79	79	79	79	78	78	78	78	78	78	78	78	78	78	78	78	77	77	77	77	77	77	77	77	77	77	77	76	76	76	76	76	76	76
LUNAR PERIOD: 6:01 / 1:26 DARKNESS PERIOD: 1:42																																																		
27 Aug 21	06:02	06:57	19:54	20:49	23:03	11:45	-34	-31	-29	-27	-24	-21	-19	-16	-13	-10	-7	-4	-2	2	5	8	11	14	17	20	23	26	29	33	36	39	42	45	48	51	54	57	60	62	65	67	69	71	72	72	72	71	70	68
LUNAR ILLUMINATION % OVER TIME							71	71	71	71	71	71	71	71	71	70	70	70	70	70	70	70	70	70	70	70	69	69	69	69	69	69	69	69	69	69	69	68	68	68	68	68	68	68	68	68	68	68	67	67
LUNAR PERIOD: 6:02 / 0:57 DARKNESS PERIOD: 2:13																																																		
28 Aug 21	06:03	06:58	19:53	20:48	23:35	12:41	-36	-34	-32	-30	-28	-26	-23	-21	-18	-16	-13	-10	-7	-5	-2	2	4	7	10	13	16	19	22	25	29	32	35	38	41	44	47	50	53	57	60	62	65	68	71	73	75	76	76	76
LUNAR ILLUMINATION % OVER TIME							62	62	62	62	62	62	62	62	62	61	61	61	61	61	61	61	61	61	61	60	60	60	60	60	60	60	60	60	60	60	59	59	59	59	59	59	59	59	59	59	58	58	58	58
LUNAR PERIOD: 6:03 / 0:25 DARKNESS PERIOD: 2:46																																																		
29 Aug 21	06:04	06:58	19:52	20:47	**	13:37	-36	-35	-34	-32	-31	-29	-27	-25	-23	-21	-18	-16	-13	-11	-8	-5	-3	1	3	6	9	12	15	18	21	24	27	30	33	36	39	42	46	49	52	55	58	61	64	67	70	73	75	77
LUNAR ILLUMINATION % OVER TIME							53	53	53	53	53	52	52	52	52	52	52	52	52	52	52	51	51	51	51	51	51	51	51	51	51	51	50	50	50	50	50	50	50	50	50	50	49	49	49	49	49	49	49	49
LUNAR PERIOD: 6:04 DARKNESS PERIOD: 3:12																																																		
30 Aug 21	06:04	06:59	19:51	20:45	00:10	14:33	-35	-35	-34	-33	-32	-31	-30	-28	-27	-25	-23	-21	-19	-17	-14	-12	-9	-7	-4	-2	2	4	7	10	13	16	18	21	24	27	31	34	37	40	43	46	49	52	55	58	62	65	68	71
LUNAR ILLUMINATION % OVER TIME							44	43	43	43	43	43	43	43	43	42	42	42	42	42	42	42	42	42	42	42	42	41	41	41	41	41	41	41	41	41	41	40	40	40	40