

## SBO OBSERVING DECK FALL 2019

DATE	TWILIGHT ENDS	LUNAR PHASE	MOON RISE	MOON SET	START	SBO DECK OBSERVING SESSION ASTR 3510 22:30 onwards all nights - Main Deck
Aug 18	21:34	93%	21:49	09:03		
Aug 19	21:32	88%	22:15	10:00		
Aug 20	21:30	81%	22:41	10:58	20:00	TA Orientation
Aug 21	21:28	73%	23:09	11:57	20:00	TA Orientation
Aug 22	21:27	63%	23:40	12:57	20:00	TA Orientation
Aug 23	21:25	54%	24:16	14:00		TA Telescope Practice
Aug 24	21:23	43%	24:59	15:03		TA Telescope Practice
Aug 25	21:21	33%	01:00	16:06		TA Telescope Practice
Aug 26	21:19	23%	01:51	17:07		Open - FIRST DAY OF CLASSES
Aug 27	21:17	14%	02:51	18:03	20:00	LA Training
Aug 28	21:15	7%	04:00	18:52	TBD	1000 (Brown): [Ellingson-Open Deck]
Aug 29	21:14	2%	05:14	19:36	TBD	1010-110,111,116 (Jimmy,Max)
Aug 30	21:12	0%	06:31	20:14	20:00	OPEN HOUSE
Aug 31	21:10	1%	07:47	20:49		
Sep 01	21:08	5%	09:02	21:22		
Sep 02	21:06	12%	10:15	21:54		Labor Day
Sep 03	21:04	21%	11:27	22:28	TBD	1040 (Rast)
Sep 04	21:02	31%	12:36	23:04	TBD	1030 - 110,111,113-(Daniel,Ryan):[EllingsonOpenDeck]
Sep 05	21:00	41%	13:42	23:44	TBD	1010-112,113,114,115 (Rodney,Rydell):[2000OpenDeck]
Sep 06	20:59	52%	14:44	24:28	20:00	OPEN HOUSE
Sep 07	20:57	62%	15:41	01:00		
Sep 08	20:55	71%	16:32	01:17		
Sep 09	20:53	80%	17:17	02:10	TBD	1030 - 112,114,113-(DanielEverding,ChelseaThangavelu)
Sep 10	20:51	87%	17:56	03:06	TBD	1200 (Duncan,Portyankina): [2000 (Keller) Open Deck]
Sep 11	20:49	93%	18:30	04:03	TBD	[Ellingson - Open Deck]
Sep 12	20:47	97%	19:00	05:01	TBD	1010-111,117,118 (Aimee,Jimmy)
Sep 13	20:46	99%	19:27	05:59	20:00	OPEN HOUSE
Sep 14	20:44	100%	19:53	06:57		
Sep 15	20:42	99%	20:18	07:54		
Sep 16	20:40	96%	20:44	08:52	TBD	1030 - 110,111,112,114-(Ryan Lesser,ChelseaThangavelu)
Sep 17	20:38	91%	21:11	09:51	TBD	1000 (Brown)
Sep 18	20:36	85%	21:41	10:51	TBD	1010-110,112,115,116 (Max,Rodney):[Ellingson-OpenDeck]
Sep 19	20:35	77%	22:14	11:52	TBD	1040 (Rast)
Sep 20	20:33	69%	22:54	12:54	20:00	OPEN HOUSE
Sep 21	20:31	59%	23:40	13:56	19:00	Boulder Astronomy and Space Society
Sep 22	20:29	48%	24:35	14:56		
Sep 23	20:27	37%	01:00	15:52	TBD	Open
Sep 24	20:26	27%	01:39	16:42	TBD	1040 (Rast)
Sep 25	20:24	17%	02:49	17:27	TBD	1010-113,114,117,118 (Rydell,Aimee):[Ellingson-OpenDeck]
Sep 26	20:22	9%	04:03	18:06	TBD	1030 - 110, 111, 113 - (Daniel Everding, Ryan Lesser)
Sep 27	20:20	3%	05:19	18:42	20:00	OPEN HOUSE
Sep 28	20:19	1%	06:35	19:16		
Sep 29	20:17	1%	07:50	19:49	20:00	
Sep 30	20:15	4%	09:04	20:23	TBD	1200 (Duncan,Portyankina)
Oct 01	20:14	9%	10:17	20:59	TBD	1030 - 112,113,114-(DanielEverding,ChelseaThangavelu)
Oct 02	20:12	17%	11:27	21:38	TBD	1010-110,112,115,116 (Rodney,Max):[Ellingson-OpenDeck]
Oct 03	20:10	26%	12:33	22:22	TBD	1040 (Rast)
Oct 04	20:09	36%	13:34	23:10	20:00	OPEN HOUSE
Oct 05	20:07	46%	14:28	24:03		
Oct 06	20:05	56%	15:16	24:58		
Oct 07	20:04	66%	15:57	01:00	TBD	1010-111,113,114 (Jimmy,Rydell)
Oct 08	20:02	74%	16:32	01:56	TBD	1000(Brown),[2000 (Keller) Open Deck]
Oct 09	20:01	82%	17:03	02:54	TBD	1030 - 110,111,112,114(Ryan,Chelsea):[Elling-OpenDeck]
Oct 10	19:59	89%	17:31	03:52	TBD	1040 (Rast)
Oct 11	19:58	94%	17:57	04:50	20:00	OPEN HOUSE
Oct 12	19:56	98%	18:23	05:48		
Oct 13	19:55	99%	18:48	06:46		
Oct 14	19:53	100%	19:14	07:45	TBD	Open
Oct 15	19:52	98%	19:43	08:45	TBD	1200 (Duncan,Portyankina)
Oct 16	19:50	94%	20:15	09:46	TBD	[Ellingson - Open Deck]
Oct 17	19:49	89%	20:53	10:48	TBD	1010-111,117,118 (Aimee,Jimmy):[2000OpenDeck]
Oct 18	19:47	82%	21:36	11:50	20:00	OPEN HOUSE
Oct 19	19:46	73%	22:28	12:50	19:00	Boulder Astronomy and Space Society

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Oct 20	19:45	63%	23:26	13:46		
Oct 21	19:43	53%	24:32	14:37	TBD	Open
Oct 22	19:42	42%	01:00	15:22	TBD	1010-110,112,115,116 (Max,Rodney)
Oct 23	19:41	31%	01:42	16:02	TBD	1000 (Brown): [Ellingson-Open Deck]
Oct 24	19:40	20%	02:55	16:38	TBD	1030 - 110,111,113 - (Daniel Everding, Ryan Lesser)
Oct 25	19:38	12%	04:09	17:11	20:00	Open
Oct 26	19:37	5%	05:23	17:44		
Oct 27	19:36	1%	06:37	18:16		
Oct 28	19:35	0%	07:51	18:51	TBD	1200 (Duncan,Portyankina)
Oct 29	19:34	2%	09:04	19:29	TBD	1040 (Rast)
Oct 30	19:32	6%	10:14	20:12	TBD	1010-113,114,117,118 (Rydell,Aimee):[Ellingson-OpenDeck]
Oct 31	19:31	13%	11:20	20:59	TBD	CUAC Halloween Event
Nov 01	19:30	21%	12:19	21:51	20:00	OPEN HOUSE
Nov 02	19:29	30%	13:11	22:47		
Nov 03	18:28	39%	12:55	22:45		Daylight Savings Ends
Nov 04	18:27	49%	13:33	23:44	TBD	1010-110,111,116 (Jimmy,Max)
Nov 05	18:26	58%	14:06		TBD	1000(Brown),[2000 (Keller) Open Deck]
Nov 06	18:25	67%	14:35	00:43	TBD	1200 (Duncan,Portyankina):[Ellingson-OpenDeck]
Nov 07	18:25	76%	15:01	01:41	TBD	1030 - 112,113,114-(DanielEverding,ChelseaThangavelu)
Nov 08	18:24	83%	15:26	02:39	20:00	OPEN HOUSE
Nov 09	18:23	90%	15:51	03:37		
Nov 10	18:22	95%	16:17	04:35		
Nov 11	18:21	98%	16:45	05:35	TBD	1010-112,113,114,115 (Rodney,Rydell)
Nov 12	18:21	100%	17:16	06:37	TBD	1030 - 110,111,112,114-(RyanLesser,ChelseaThangavelu)
Nov 13	18:20	99%	17:52	07:40	TBD	[Ellingson - Open Deck]
Nov 14	18:19	97%	18:34	08:44	TBD	Open
Nov 15	18:19	92%	19:23	09:46	20:00	OPEN HOUSE
Nov 16	18:18	86%	20:20	10:44		Boulder Astronomy and Space Society
Nov 17	18:17	77%	21:23	11:36		
Nov 18	18:17	68%	22:31	12:23	TBD	1040 (Rast)
Nov 19	18:16	57%	23:42	13:03	TBD	1010-111,117,118 (Aimee,Jimmy)
Nov 20	18:16	45%		13:39	TBD	1200 (Duncan,Portyankina): [2000 (Keller) Open Deck]
Nov 21	18:15	34%	00:53	14:12	TBD	1030 - 110,111,112,114-(RyanLesser,ChelseaThangavelu)
Nov 22	18:15	24%	02:04	14:43	20:00	OPEN HOUSE
Nov 23	18:15	15%	03:16	15:14		
Nov 24	18:14	7%	04:28	15:46		
Nov 25	18:14	2%	05:40	16:21	TBD	Fall Break
Nov 26	18:14	0%	06:51	17:01	TBD	Fall Break
Nov 27	18:13	1%	08:00	17:46	TBD	Fall Break
Nov 28	18:13	3%	09:04	18:37	TBD	Fall Break
Nov 29	18:13	8%	10:01	19:33	20:00	Fall Break
Nov 30	18:13	15%	10:50	20:31		
Dec 01	18:13	23%	11:31	21:31		
Dec 02	18:12	31%	12:06	22:31	TBD	Open
Dec 03	18:12	41%	12:37	23:29	TBD	1040 (Rast)
Dec 04	18:12	50%	13:04		TBD	1000 (Brown): [Ellingson-Open Deck]
Dec 05	18:12	60%	13:29	00:27	TBD	1010-110,112,115,116 (Max,Rodney):[2000OpenDeck]
Dec 06	18:12	69%	13:54	01:25	20:00	OPEN HOUSE
Dec 07	18:12	77%	14:19	02:23		
Dec 08	18:13	85%	14:46	03:22		
Dec 09	18:13	91%	15:15	04:23	TBD	1010-113,114,117,118 (Rydell,Aimee)
Dec 10	18:13	96%	15:49	05:26	TBD	Open
Dec 11	18:13	99%	16:29	06:31	TBD	[Ellingson - Open Deck]
Dec 12	18:13	100%	17:16	07:35		LAST DAY OF CLASSES
Dec 13	18:14	99%	18:12	08:36		
Dec 14	18:14	95%	19:14	09:33		Final Exams
Dec 15	18:14	89%	20:22	10:22		Final Exams
Dec 16	18:14	81%	21:33	11:05		Final Exams
Dec 17	18:15	71%	22:44	11:42		Final Exams
Dec 18	18:15	61%	23:54	12:15		Final Exams
Dec 19	18:16	49%		12:46		COMMENCEMENT
Dec 20	18:16	38%	01:04	13:16		
Dec 21	18:17	27%	02:14	13:46		