

Semester 2019A	February														February														
LMST 0h HST	08 27	08 31	08 35	08 39	08 43	08 47	08 51	08 54	08 58	09 02	09 06	09 10	09 14	09 18	09 22	09 26	09 30	09 34	09 38	09 42	09 46	09 50	09 54	09 58	10 01	10 05	10 09	10 13	
Moon % Illum.	5	2	0	0	2	6	11	18	26	35	45	56	67	77	86	93	98	100	99	95	88	80	70	60	50	40	31	22	
Day Date	Fri 01	Sat 02	Sun 03	Mon 04	Tue 05	Wed 06	Thu 07	Fri 08	Sat 09	Sun 10	Mon 11	Tue 12	Wed 13	Thu 14	Fri 15	Sat 16	Sun 17	Mon 18	Tue 19	Wed 20	Thu 21	Fri 22	Sat 23	Sun 24	Mon 25	Tue 26	Wed 27	Thu 28	
Upper End Instrument	M	M	M	M	M	M	M	M	M	M	M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	M	M	M
Remarks																													
Support Astro.																													
TIC	GB														KH														
STIC																													
Day Crew																													
Day Date	Fri 01	Sat 02	Sun 03	Mon 04	Tue 05	Wed 06	Thu 07	Fri 08	Sat 09	Sun 10	Mon 11	Tue 12	Wed 13	Thu 14	Fri 15	Sat 16	Sun 17	Mon 18	Tue 19	Wed 20	Thu 21	Fri 22	Sat 23	Sun 24	Mon 25	Tue 26	Wed 27	Thu 28	

Semester 2019A	March														March																	
LMST 0h HST	10 17	10 21	10 25	10 29	10 33	10 37	10 41	10 45	10 49	10 53	10 57	11 01	11 05	11 09	11 12	11 16	11 20	11 24	11 28	11 32	11 36	11 40	11 44	11 48	11 52	11 56	12 00	12 04	12 08	12 12	12 16	
Moon % Illum.	15	9	4	1	0	1	3	7	13	21	30	40	51	62	73	82	91	96	100	100	97	92	85	76	67	57	47	37	29	20	13	
Day Date	Fri 01	Sat 02	Sun 03	Mon 04	Tue 05	Wed 06	Thu 07	Fri 08	Sat 09	Sun 10	Mon 11	Tue 12	Wed 13	Thu 14	Fri 15	Sat 16	Sun 17	Mon 18	Tue 19	Wed 20	Thu 21	Fri 22	Sat 23	Sun 24	Mon 25	Tue 26	Wed 27	Thu 28	Fri 29	Sat 30	Sun 31	
Upper End Instrument	M	M	M	M	M	M	M	M	M	M	M	M	M	E	E	E	E	E	E	E	E	E	W	W	W	W	W	W	W	M	M	M
Remarks																																
Support Astro.																																
TIC	MB														KW																	
STIC	BM														SI																	
Day Crew																																
Day Date	Fri 01	Sat 02	Sun 03	Mon 04	Tue 05	Wed 06	Thu 07	Fri 08	Sat 09	Sun 10	Mon 11	Tue 12	Wed 13	Thu 14	Fri 15	Sat 16	Sun 17	Mon 18	Tue 19	Wed 20	Thu 21	Fri 22	Sat 23	Sun 24	Mon 25	Tue 26	Wed 27	Thu 28	Fri 29	Sat 30	Sun 31	

Semester 2019A	April														April															
LMST 0h HST	12 19	12 23	12 27	12 31	12 35	12 39	12 43	12 47	12 51	12 55	12 59	13 03	13 07	13 11	13 15	13 19	13 23	13 26	13 30	13 34	13 38	13 42	13 46	13 50	13 54	13 58	14 02	14 06	14 10	14 14
Moon % Illum.	8	3	1	0	1	5	10	17	26	36	47	58	69	80	88	95	99	100	99	95	89	81	73	64	54	45	35	27	19	12
Day Date	Mon 01	Tue 02	Wed 03	Thu 04	Fri 05	Sat 06	Sun 07	Mon 08	Tue 09	Wed 10	Thu 11	Fri 12	Sat 13	Sun 14	Mon 15	Tue 16	Wed 17	Thu 18	Fri 19	Sat 20	Sun 21	Mon 22	Tue 23	Wed 24	Thu 25	Fri 26	Sat 27	Sun 28	Mon 29	Tue 30
Upper End Instrument	M	M	M	S	S	S	S	S	S	S	S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Remarks																														
Support Astro.																														
TIC	BM														SI															
STIC	KW														TV															
Day Crew																														
Day Date	Mon 01	Tue 02	Wed 03	Thu 04	Fri 05	Sat 06	Sun 07	Mon 08	Tue 09	Wed 10	Thu 11	Fri 12	Sat 13	Sun 14	Mon 15	Tue 16	Wed 17	Thu 18	Fri 19	Sat 20	Sun 21	Mon 22	Tue 23	Wed 24	Thu 25	Fri 26	Sat 27	Sun 28	Mon 29	Tue 30

Semester 2019A	May															May																
LMST 0h HST	14 18	14 22	14 26	14 30	14 34	14 37	14 41	14 45	14 49	14 53	14 57	15 01	15 05	15 09	15 13	15 17	15 21	15 25	15 29	15 33	15 37	15 41	15 44	15 48	15 52	15 56	16 00	16 04	16 08	16 12	16 16	
Moon % Illum.	6	2	0	0	3	7	14	23	33	44	55	67	77	86	93	98	100	100	97	92	86	79	70	61	52	42	33	24	16	10	4	
Day Date	Wed 01	Thu 02	Fri 03	Sat 04	Sun 05	Mon 06	Tue 07	Wed 08	Thu 09	Fri 10	Sat 11	Sun 12	Mon 13	Tue 14	Wed 15	Thu 16	Fri 17	Sat 18	Sun 19	Mon 20	Tue 21	Wed 22	Thu 23	Fri 24	Sat 25	Sun 26	Mon 27	Tue 28	Wed 29	Thu 30	Fri 31	
Upper End Instrument	S	S	S	S	S	S	S	S	S	S	S	S	P	P	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
Remarks	1	2	3	4	5	6	7	8	9	10	11	12	1	2	1	2	3	4	5	6	7	8	9	1	1	2	3	4	5	1	1	
Support Astro.																																
TIC													MB																			WJ
STIC													KW																			SI
Day Crew																																
Day Date	Wed 01	Thu 02	Fri 03	Sat 04	Sun 05	Mon 06	Tue 07	Wed 08	Thu 09	Fri 10	Sat 11	Sun 12	Mon 13	Tue 14	Wed 15	Thu 16	Fri 17	Sat 18	Sun 19	Mon 20	Tue 21	Wed 22	Thu 23	Fri 24	Sat 25	Sun 26	Mon 27	Tue 28	Wed 29	Thu 30	Fri 31	

Semester 2019A	June															June																
LMST 0h HST	16 20	16 24	16 28	16 32	16 36	16 40	16 44	16 48	16 52	16 55	16 59	17 03	17 07	17 11	17 15	17 19	17 23	17 27	17 31	17 35	17 39	17 43	17 47	17 51	17 55	17 59	18 02	18 06	18 10	18 14		
Moon % Illum.	1	0	1	5	12	20	30	42	53	64	75	84	91	96	99	100	99	95	90	84	76	68	59	49	40	30	21	13	7	2		
Day Date	Sat 01	Sun 02	Mon 03	Tue 04	Wed 05	Thu 06	Fri 07	Sat 08	Sun 09	Mon 10	Tue 11	Wed 12	Thu 13	Fri 14	Sat 15	Sun 16	Mon 17	Tue 18	Wed 19	Thu 20	Fri 21	Sat 22	Sun 23	Mon 24	Tue 25	Wed 26	Thu 27	Fri 28	Sat 29	Sun 30		
Upper End Instrument	M	M	M	M	M	M	E	E	E	E	E	P	P	P	P	P	P	P	P	P	W	W	W	W	M	M	M	M	M	M		
Remarks	2	3	4	5	6	7	1	2	3	4	5	1	2	3	4	5	6	7	8	9	1	2	3	4	1	2	3	4	5	6		
Support Astro.																																
TIC																																
STIC																																
Day Crew																																
Day Date	Sat 01	Sun 02	Mon 03	Tue 04	Wed 05	Thu 06	Fri 07	Sat 08	Sun 09	Mon 10	Tue 11	Wed 12	Thu 13	Fri 14	Sat 15	Sun 16	Mon 17	Tue 18	Wed 19	Thu 20	Fri 21	Sat 22	Sun 23	Mon 24	Tue 25	Wed 26	Thu 27	Fri 28	Sat 29	Sun 30		

Semester 2019A	July															July																
LMST 0h HST	18 18	18 22	18 26	18 30	18 34	18 38	18 42	18 46	18 50	18 54	18 58	19 02	19 06	19 10	19 13	19 17	19 21	19 25	19 29	19 33	19 37	19 41	19 45	19 49	19 53	19 57	20 01	20 05	20 09	20 13	20 17	
Moon % Illum.	0	1	4	10	18	28	39	51	62	72	81	89	94	98	100	100	98	94	88	82	74	65	56	46	36	26	17	10	4	1	0	
Day Date	Mon 01	Tue 02	Wed 03	Thu 04	Fri 05	Sat 06	Sun 07	Mon 08	Tue 09	Wed 10	Thu 11	Fri 12	Sat 13	Sun 14	Mon 15	Tue 16	Wed 17	Thu 18	Fri 19	Sat 20	Sun 21	Mon 22	Tue 23	Wed 24	Thu 25	Fri 26	Sat 27	Sun 28	Mon 29	Tue 30	Wed 31	
Upper End Instrument	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
Remarks	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	
Support Astro.																																
TIC																																
STIC																																
Day Crew																																
Day Date	Mon 01	Tue 02	Wed 03	Thu 04	Fri 05	Sat 06	Sun 07	Mon 08	Tue 09	Wed 10	Thu 11	Fri 12	Sat 13	Sun 14	Mon 15	Tue 16	Wed 17	Thu 18	Fri 19	Sat 20	Sun 21	Mon 22	Tue 23	Wed 24	Thu 25	Fri 26	Sat 27	Sun 28	Mon 29	Tue 30	Wed 31	