

Semester 2019B	August														August																	
LMST 0h HST	20 20	20 24	20 28	20 32	20 36	20 40	20 44	20 48	20 52	20 56	21 00	21 04	21 08	21 12	21 16	21 20	21 24	21 27	21 31	21 35	21 39	21 43	21 47	21 51	21 55	21 59	22 03	22 07	22 11	22 15	22 19	
Moon % Illum.	3	8	16	26	37	48	58	69	78	86	92	96	99	100	99	96	92	86	79	71	62	52	41	31	21	12	6	1	0	2	6	
Day Date	Thu 01	Fri 02	Sat 03	Sun 04	Mon 05	Tue 06	Wed 07	Thu 08	Fri 09	Sat 10	Sun 11	Mon 12	Tue 13	Wed 14	Thu 15	Fri 16	Sat 17	Sun 18	Mon 19	Tue 20	Wed 21	Thu 22	Fri 23	Sat 24	Sun 25	Mon 26	Tue 27	Wed 28	Thu 29	Fri 30	Sat 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																																
Support Astro.																																
TIC																																
STIC																																
Day Crew																																
Day Date	Thu 01	Fri 02	Sat 03	Sun 04	Mon 05	Tue 06	Wed 07	Thu 08	Fri 09	Sat 10	Sun 11	Mon 12	Tue 13	Wed 14	Thu 15	Fri 16	Sat 17	Sun 18	Mon 19	Tue 20	Wed 21	Thu 22	Fri 23	Sat 24	Sun 25	Mon 26	Tue 27	Wed 28	Thu 29	Fri 30	Sat 31	

Semester 2019B	September														September																	
LMST 0h HST	22 23	22 27	22 31	22 35	22 38	22 42	22 46	22 50	22 54	22 58	23 02	23 06	23 10	23 14	23 18	23 22	23 26	23 30	23 34	23 38	23 42	23 45	23 49	23 53	23 57	00 01	00 05	00 09	00 13	00 17		
Moon % Illum.	14	23	33	43	54	64	73	81	88	94	98	100	100	98	95	90	84	76	67	57	46	35	25	15	8	2	0	1	4	10		
Day Date	Sun 01	Mon 02	Tue 03	Wed 04	Thu 05	Fri 06	Sat 07	Sun 08	Mon 09	Tue 10	Wed 11	Thu 12	Fri 13	Sat 14	Sun 15	Mon 16	Tue 17	Wed 18	Thu 19	Fri 20	Sat 21	Sun 22	Mon 23	Tue 24	Wed 25	Thu 26	Fri 27	Sat 28	Sun 29	Mon 30		
Upper End Instrument	M	M	M	M	M	M	M	M	M	P	S	E	E	E	E	E	P	P	P	P	P	P	P	P	P	S	S	S	S	S		
Remarks																																
Support Astro.																																
TIC																																
STIC																																
Day Crew																																
Day Date	Sun 01	Mon 02	Tue 03	Wed 04	Thu 05	Fri 06	Sat 07	Sun 08	Mon 09	Tue 10	Wed 11	Thu 12	Fri 13	Sat 14	Sun 15	Mon 16	Tue 17	Wed 18	Thu 19	Fri 20	Sat 21	Sun 22	Mon 23	Tue 24	Wed 25	Thu 26	Fri 27	Sat 28	Sun 29	Mon 30		

Semester 2019B	October														October																	
LMST 0h HST	00 21	00 25	00 29	00 33	00 37	00 41	00 45	00 49	00 53	00 56	01 00	01 04	01 08	01 12	01 16	01 20	01 24	01 28	01 32	01 36	01 40	01 44	01 48	01 52	01 56	02 00	02 03	02 07	02 11	02 15	02 19	
Moon % Illum.	19	28	38	48	58	68	76	84	90	95	98	100	100	98	93	88	80	71	61	50	39	28	18	10	4	1	0	2	7	14	22	
Day Date	Tue 01	Wed 02	Thu 03	Fri 04	Sat 05	Sun 06	Mon 07	Tue 08	Wed 09	Thu 10	Fri 11	Sat 12	Sun 13	Mon 14	Tue 15	Wed 16	Thu 17	Fri 18	Sat 19	Sun 20	Mon 21	Tue 22	Wed 23	Thu 24	Fri 25	Sat 26	Sun 27	Mon 28	Tue 29	Wed 30	Thu 31	
Upper End Instrument	P	P	P	P	P	P	P	P	P	P	P	P	P	P	W	W	W	W	W	W	W	M	M	M	M	M	M	M	P	P	P	
Remarks																																
Support Astro.																																
TIC																																
STIC																																
Day Crew																																
Day Date	Tue 01	Wed 02	Thu 03	Fri 04	Sat 05	Sun 06	Mon 07	Tue 08	Wed 09	Thu 10	Fri 11	Sat 12	Sun 13	Mon 14	Tue 15	Wed 16	Thu 17	Fri 18	Sat 19	Sun 20	Mon 21	Tue 22	Wed 23	Thu 24	Fri 25	Sat 26	Sun 27	Mon 28	Tue 29	Wed 30	Thu 31	

Semester 2019B	November														November																		
LMST 0h HST	02 23	02 27	02 31	02 35	02 39	02 43	02 47	02 51	02 55	02 59	03 03	03 07	03 10	03 14	03 18	03 22	03 26	03 30	03 34	03 38	03 42	03 46	03 50	03 54	03 58	04 02	04 06	04 10	04 14	04 18			
Moon % Illum.	32	41	51	60	69	78	85	91	96	99	100	99	96	91	84	75	65	54	43	32	22	13	6	2	0	1	4	10	16	25			
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			
Upper End Instrument	P	P	P	P	P	P	P	P	P	P	P	P	P	P	E	E	E	E	E	E	E	E	E	E	W	W	W	W	W	M	M	M	M
Remarks																																	
Support Astro.																																	
TIC																																	
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	Fri 29	Sat 30			

Semester 2019B	December														December																	
LMST 0h HST	04 21	04 25	04 29	04 33	04 37	04 41	04 45	04 49	04 53	04 57	05 01	05 05	05 09	05 13	05 17	05 21	05 25	05 28	05 32	05 36	05 40	05 44	05 48	05 52	05 56	06 00	06 04	06 08	06 12	06 16	06 20	
Moon % Illum.	33	43	52	61	70	79	86	92	97	99	100	98	94	88	79	69	58	47	35	25	16	9	3	1	0	2	6	11	18	26	34	
Day Date	Sun 01	Mon 02	Tue 03	Wed 04	Thu 05	Fri 06	Sat 07	Sun 08	Mon 09	Tue 10	Wed 11	Thu 12	Fri 13	Sat 14	Sun 15	Mon 16	Tue 17	Wed 18	Thu 19	Fri 20	Sat 21	Sun 22	Mon 23	Tue 24	Wed 25	Thu 26	Fri 27	Sat 28	Sun 29	Mon 30	Tue 31	
Upper End Instrument	M	M	M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	S	S	S	S	S	S	S	S	M	M	M	M	M	M	
Remarks																																
Support Astro.																																
TIC																																
STIC																																
Day Crew																																
Day Date	Sun 01	Mon 02	Tue 03	Wed 04	Thu 05	Fri 06	Sat 07	Sun 08	Mon 09	Tue 10	Wed 11	Thu 12	Fri 13	Sat 14	Sun 15	Mon 16	Tue 17	Wed 18	Thu 19	Fri 20	Sat 21	Sun 22	Mon 23	Tue 24	Wed 25	Thu 26	Fri 27	Sat 28	Sun 29	Mon 30	Tue 31	

Semester 2019B	January														January																	
LMST 0h HST	06 24	06 28	06 32	06 36	06 39	06 43	06 47	06 51	06 55	06 59	07 03	07 07	07 11	07 15	07 19	07 23	07 27	07 31	07 35	07 39	07 43	07 46	07 50	07 54	07 58	08 02	08 06	08 10	08 14	08 18	08 22	
Moon % Illum.	44	53	62	71	80	87	94	98	100	99	96	91	83	73	62	51	40	29	20	12	6	2	0	0	2	6	12	19	26	35	44	
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	M	M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	M	M	M	M	
Remarks																																
Support Astro.																																
TIC																																
STIC																																
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	