

60" Schedule for January 2019 (as of 06 Dec 2018)

[January](#) [February](#) [March](#) [April](#) [Programs](#) [PDF Schedules](#)

DATE	MOON	INST	OBSERVER	PI AND PROGRAM	MMT	
Jan 1 Tue	0.13	TRES	GE	TRES Combo	----	NEW YEAR's DAY
Jan 2 Wed	0.07	"	"	"	----	
Jan 3 Thu	0.03	FAST	MC	FAST Combo	----	
Jan 4 Fri	0.01	"	"	"	----	
Jan 5 Sat	0.00	"	"	"	----	
Jan 6 Sun	0.01	"	"	"	----	
Jan 7 Mon	0.04	"	XX	"	----	
Jan 8 Tue	0.09	"	"	"	----	
Jan 9 Wed	0.15	"	MC	"	----	
Jan 10 Thu	0.22	TRES	"	TRES Combo	----	
Jan 11 Fri	0.30	"	"	"	----	
Jan 12 Sat	0.40	"	GE	"	----	
Jan 13 Sun	0.49	"	"	"	----	
Jan 14 Mon	0.59	"	"	"	----	
Jan 15 Tue	0.70	"	MC	"	----	
Jan 16 Wed	0.79	"	"	"	----	
Jan 17 Thu	0.88	"	"	"	----	
Jan 18 Fri	0.94	"	GE	"	----	
Jan 19 Sat	0.99	"	"	"	----	
Jan 20 Sun	1.00	"	"	"	----	
Jan 21 Mon	0.98	"	MC	"	----	MLK DAY
Jan 22 Tue	0.93	"	"	"	----	
Jan 23 Wed	0.86	"	"	"	----	
Jan 24 Thu	0.77	"	GE	"	----	
Jan 25 Fri	0.66	"	"	"	----	MC WILDERNESS
Jan 26 Sat	0.56	"	"	"	----	TRAINING
Jan 27 Sun	0.45	"	"	"	----	"
Jan 28 Mon	0.35	"	"	"	----	"
Jan 29 Tue	0.26	"	"	"	----	"
Jan 30 Wed	0.18	"	"	"	----	"
Jan 31 Thu	0.11	"	"	"	----	"

** MOON IS FRACTIONAL MOON ILLUMINATION AT MIDDLE OF NIGHT

**** DATE IS STANDARD TIME AT START OF NIGHT

JAN FAST Combo (program & effective nights): (7 nights)

Sohn 232 (Missing SDSS galaxies) 2 nights, Brown 230 (GW binaries) 1 night, Kenyon 12 (Symbiotic) 0.5 night, Blanchard 225 (SLSNes, TDEs) 0.5 night, Falco 220 (ASAS-SN) 0.5 night, Falco 231 (BH/NS binaries) 0.5 night, Falco (2MASS) 141 0.5 night, Kirshner 2 (SN) 2 nights.

NOTE: Projects are listed in order of decreasing priority per their TAC grades. Rare TOO targets (GRBs, XRNs) have highest priority.

TRES Combo for trimester:

Latham 186 (Spec K2) 25 nights, Zhou 212 (Nep & Jup) 8 nights, Irwin 183 (MEarth follow-up) 2 nights, Oklopčić 214 (WASP107, GJ436) 1 night, Quinn 199 (Giant planets) 3 nights, Dupree 215 (2 cool stars) 3 nights, Winters 198 (mid-M Dwarfs) 6 nights, Carmichael 213 (Brown desert) 6 nights, Torres 15 (Eclipsing binaries) 18 nights, Dupree 216 (Common

envelope) 0.5 night, Douglas 209 (Companions) 6.5 nights, Torres 6
(Pleiades survey) 6 nights, Falco 217 (Classical Novae) 2 nights.

60" Schedule for February 2019 (as of 06 Dec 2018)

January February March April Programs PDF Schedules

DATE	MOON	INST	OBSERVER	PI AND PROGRAM	MMT	
Feb 1 Fri	0.06	TRES	GE	TRES Combo	----	MC WILDERNESS
Feb 2 Sat	0.02	"	"	"	----	TRAINING
Feb 3 Sun	0.00	"	"	"	----	"
Feb 4 Mon	0.00	"	"	"	----	
Feb 5 Tue	0.02	FAST	MC	FAST Combo	----	
Feb 6 Wed	0.05	"	"	"	----	
Feb 7 Thu	0.10	"	"	"	----	
Feb 8 Fri	0.16	"	"	"	----	
Feb 9 Sat	0.24	"	XX	"	----	
Feb 10 Sun	0.33	"	"	"	----	
Feb 11 Mon	0.43	"	"	"	----	
Feb 12 Tue	0.53	TRES	MC	TRES Combo	----	
Feb 13 Wed	0.64	"	"	"	----	
Feb 14 Thu	0.74	"	"	"	----	
Feb 15 Fri	0.84	"	"	"	----	
Feb 16 Sat	0.92	"	GE	"	----	
Feb 17 Sun	0.97	"	"	"	----	
Feb 18 Mon	1.00	"	"	"	----	PRESIDENT'S DAY
Feb 19 Tue	0.99	"	"	"	MC/HS	
Feb 20 Wed	0.96	"	"	"	"	
Feb 21 Thu	0.89	"	"	"	"	
Feb 22 Fri	0.81	"	"	"	"	
Feb 23 Sat	0.72	"	"	"	----	
Feb 24 Sun	0.61	"	"	"	----	
Feb 25 Mon	0.51	"	"	"	----	
Feb 26 Tue	0.41	"	MC	"	----	
Feb 27 Wed	0.32	"	"	"	----	
Feb 28 Thu	0.23	"	"	"	----	

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FEB FAST Combo (program & effective nights): (7 nights)

Sohn 232 (Missing SDSS galaxies) 2 nights, Brown 230 (GW binaries) 1 night, Kenyon 12 (Symbiotic) 0.5 night, Blanchard 225 (SLSNe, TDEs) 0.5 night, Falco 220 (ASAS-SN) 0.5 night, Falco 231 (BH/NS binaries) 0.5 night, Falco (2MASS) 141 0.5 night, Kirshner 2 (SN) 2 nights.

NOTE: Projects are listed in order of decreasing priority per their TAC grades. Rare TOO targets (GRBs, XRNs) have highest priority.

TRES Combo for trimester:

Latham 186 (Spec K2) 25 nights, Zhou 212 (Nep & Jup) 8 nights, Irwin 183 (MEarth follow-up) 2 nights, Oklopčić 214 (WASP107, GJ436) 1 night, Quinn 199 (Giant planets) 3 nights, Dupree 215 (2 cool stars) 3 nights, Winters 198 (mid-M Dwarfs) 6 nights, Carmichael 213 (Brown desert) 6 nights, Torres 15 (Eclipsing binaries) 18 nights, Dupree 216 (Common envelope) 0.5 night, Douglas 209 (Companions) 6.5 nights, Torres 6 (Pleiades survey) 6 nights, Falco 217 (Classical Novae) 2 nights.

60" Schedule for March 2019 (as of 06 Dec 2018)

January February March April Programs PDF Schedules

DATE	MOON	INST	OBSERVER	PI AND PROGRAM	MMT
Mar 1 Fri	0.16	TRES	GE	TRES Combo	----
Mar 2 Sat	0.10	"	"	"	----
Mar 3 Sun	0.05	"	"	"	----
Mar 4 Mon	0.02	"	"	"	----
Mar 5 Tue	0.00	"	MC	"	----
Mar 6 Wed	0.01	"	"	"	----
Mar 7 Thu	0.03	"	"	"	----
Mar 8 Fri	0.06	"	"	"	----
Mar 9 Sat	0.12	"	GE	"	----
Mar 10 Sun	0.19	"	"	"	----
Mar 11 Mon	0.27	"	"	"	----
Mar 12 Tue	0.37	FAST	MC	FAST Combo	----
Mar 13 Wed	0.48	"	"	"	----
Mar 14 Thu	0.59	"	"	"	----
Mar 15 Fri	0.70	"	"	"	----
Mar 16 Sat	0.80	"	XX	"	----
Mar 17 Sun	0.89	"	"	"	----
Mar 18 Mon	0.95	"	"	"	----
Mar 19 Tue	0.99	FAST	Berger	Berger Astro100	----
Mar 20 Wed	1.00	"	"	"	----
Mar 21 Thu	0.97	"	"	"	----
Mar 22 Fri	0.93	TRES	GE	TRES Combo	----
Mar 23 Sat	0.86	"	"	"	----
Mar 24 Sun	0.77	"	"	"	----
Mar 25 Mon	0.68	"	"	"	----
Mar 26 Tue	0.58	"	"	"	----
Mar 27 Wed	0.48	"	"	"	----
Mar 28 Thu	0.39	"	MC	"	----
Mar 29 Fri	0.30	"	"	"	----
Mar 30 Sat	0.22	"	"	"	----
Mar 31 Sun	0.15	"	"	"	----

** MOON IS FRACTIONAL MOON ILLUMINATION AT MIDDLE OF NIGHT

**** DATE IS STANDARD TIME AT START OF NIGHT

MAR FAST Combo (program & effective nights): (7 nights)

Sohn 232 (Missing SDSS galaxies) 2 nights, Brown 230 (GW binaries) 1 night, Kenyon 12 (Symbiotic) 0.5 night, Blanchard 225 (SLSNe, TDEs) 0.5 night, Falco 220 (ASAS-SN) 0.5 night, Falco 230 (BH/NS binaries) 0.5 night, Falco (2MASS) 141 0.5 night, Kirshner 2 (SN) 2 nights.

NOTE: Projects are listed in order of decreasing priority per their TAC grades. Rare TOO targets (GRBs, XRNs) have highest priority.

TRES Combo for trimester:

Latham 186 (Spec K2) 25 nights, Zhou 212 (Nep & Jup) 8 nights, Irwin 183 (MEarth follow-up) 2 nights, Oklopčić 214 (WASP107, GJ436) 1 night, Quinn 199 (Giant planets) 3 nights, Dupree 215 (2 cool stars) 3 nights, Winters 198 (mid-M Dwarfs) 6 nights, Carmichael 213 (Brown desert) 6 nights, Torres 15 (Eclipsing binaries) 18 nights, Dupree 216 (Common

envelope) 0.5 night, Douglas 209 (Companions) 6.5 nights, Torres 6
(Pleiades survey) 6 nights, Falco 217 (Classical Novae) 2 nights.

60" Schedule for April 2019 (as of 06 Dec 2018)

January February March April Programs PDF Schedules

DATE	MOON	INST	OBSERVER	PI AND PROGRAM	MMT
Apr 1 Mon	0.09	TRES	GE	TRES Combo	----
Apr 2 Tue	0.04	"	"	"	----
Apr 3 Wed	0.01	"	"	"	----
Apr 4 Thu	0.00	FAST	XX	FAST Combo	----
Apr 5 Fri	0.01	"	"	"	----
Apr 6 Sat	0.04	"	"	"	----
Apr 7 Sun	0.08	"	"	"	----
Apr 8 Mon	0.15	"	MC	"	----
Apr 9 Tue	0.23	"	"	"	----
Apr 10 Wed	0.33	"	"	"	----
Apr 11 Thu	0.44	"	"	"	----
Apr 12 Fri	0.55	TRES	GE	TRES Combo	----
Apr 13 Sat	0.66	"	"	"	----
Apr 14 Sun	0.77	"	"	"	----
Apr 15 Mon	0.86	"	"	"	----
Apr 16 Tue	0.93	"	MC	"	----
Apr 17 Wed	0.98	"	"	"	----
Apr 18 Thu	1.00	"	"	"	----
Apr 19 Fri	0.99	"	GE	"	----
Apr 20 Sat	0.95	"	"	"	----
Apr 21 Sun	0.90	"	"	"	MC/HC
Apr 22 Mon	0.82	"	"	"	"
Apr 23 Tue	0.74	"	"	"	"
Apr 24 Wed	0.65	"	"	"	"
Apr 25 Thu	0.56	"	"	"	----
Apr 26 Fri	0.46	"	"	"	----
Apr 27 Sat	0.37	"	MC	"	----
Apr 28 Sun	0.28	"	"	"	----
Apr 29 Mon	0.20	"	"	"	----
Apr 30 Tue	0.13	"	"	"	----

** MOON IS FRACTIONAL MOON ILLUMINATION AT MIDDLE OF NIGHT

**** DATE IS STANDARD TIME AT START OF NIGHT

APR FAST Combo (program & effective nights): (8 nights)

Sohn 232 (Missing SDSS galaxies) 3 nights, Brown 230 (GW binaries) 1 night, Kenyon 12 (Symbiotic) 0.5 night, Blanchard 225 (SLSNe, TDEs) 0.5 night, Falco 220 (ASAS-SN) 0.5 night, Falco 231 (BH/NS binaries) 0.5 night, Falco (2MASS) 141 0.5 night, Kirshner 2 (SN) 2 nights.

NOTE: Projects are listed in order of decreasing priority per their TAC grades. Rare TOO targets (GRBs, XRNs) have highest priority.

TRES Combo for trimester:

Latham 186 (Spec K2) 25 nights, Zhou 212 (Nep & Jup) 8 nights, Irwin 183 (MEarth follow-up) 2 nights, Oklopčić 214 (WASP107, GJ436) 1 night, Quinn 199 (Giant planets) 3 nights, Dupree 215 (2 cool stars) 3 nights, Winters 198 (mid-M Dwarfs) 6 nights, Carmichael 213 (Brown desert) 6 nights, Torres 15 (Eclipsing binaries) 18 nights, Dupree 216 (Common

envelope) 0.5 night, Douglas 209 (Companions) 6.5 nights, Torres 6 (Pleiades survey) 6 nights, Falco 217 (Classical Novae) 2 nights.

[January](#) [February](#) [March](#) [April](#) [PDF](#)

60" Allocations January-April 2019

FAST proposals

PI	Title	Dark	Gray	Bright
Jubee Sohn	A Complete Redshift Survey for Missing SDSS Interacting Galaxies	9	0	0
Warren Brown	Gravitational Wave Binaries	3	0	0
Scott Kenyon	Optical Spectra of Symbiotic Stars	2	0	0
Peter Blanchard	Spectroscopic and Photometric Follow-up of SLSNe and TDEs	3	0	0
Emilio Falco	Spectroscopy of Transients from the All-Sky Automated Survey for SuperNovae	2	0	0
Edo Berger	Astro100: Using the FLWO 1.5 m Telescope for Undergraduate Education	0	0	3
Emilio Falco	A First Search for Non-Interacting BH/NS Binaries	3	0	0
Emilio Falco	Cosmography of the innermost Zone of Avoidance	1	1	0
Robert Kirshner	Supernova Spectroscopy with FAST	6	0	0

TRES proposals

PI	Title	Dark Gray Bri		
David W. Latham	Spectroscopic follow-up of K2 Planet Candidates	7	11	
George Zhou	Neptunes and Jupiters around early-type stars	4	0	
Jonathan Irwin	MEarth Spectroscopic Follow-up	0	2	
Antonija Oklopčić	Monitoring stellar activity of exoplanet hosts WASP-107 and GJ 436 during transit observations	0	0.5	0
Samuel Quinn	Giant Planets in Open Clusters	1	0	
Andrea Dupree	Two Cool Stars and HST	1	0	
Jennifer Winters	Characterizing the Nearby Mid-M Dwarfs with TRES	0	0	
Theron W Carmichael	Searching for members of the brown dwarf desert with TESS follow up	0	2	
Guillermo Torres	Eclipsing binaries	6	0	1
Andrea Dupree	Seeking Common-Envelope Binaries	0	0	0
Stephanie T. Douglas	The impact of companions on stellar rotational evolution (TRES)	0	6.5	
Guillermo Torres	Pleiades binary survey	0	0	
Emilio Falco	TRES high-resolution spectroscopic follow up of classical novae	0	1	