

# 60" Schedule for May 2019 (as of 07 Jun 2019)

May June July August Programs PDF Schedules

DATE	MOON	INST	OBSERVER	PI AND PROGRAM	MMT
May 1 Wed	0.07	TRES	MC	TRES Combo	----
May 2 Thu	0.03	"	GE	"	----
May 3 Fri	0.01	"	"	"	----
May 4 Sat	0.00	"	"	"	----
May 5 Sun	0.02	"	"	"	----
May 6 Mon	0.06	FAST	MC	FAST Combo	----
May 7 Tue	0.12	"	"	"	----
May 8 Wed	0.20	"	"	"	----
May 9 Thu	0.30	"	"	"	----
May 10 Fri	0.41	"	XX	"	----
May 11 Sat	0.52	"	"	"	----
May 12 Sun	0.64	"	"	"	----
May 13 Mon	0.74	TRES	GE	TRES Combo	MC/HS
May 14 Tue	0.84	"	"	"	"
May 15 Wed	0.91	"	"	"	"
May 16 Thu	0.97	"	"	"	"
May 17 Fri	0.99	"	PB	"	----
May 18 Sat	1.00	"	"	"	----
May 19 Sun	0.97	"	"	"	----
May 20 Mon	0.93	"	MC	"	----
May 21 Tue	0.87	"	"	"	----
May 22 Wed	0.80	"	"	"	----
May 23 Thu	0.72	"	"	"	----
May 24 Fri	0.63	"	GE	"	----
May 25 Sat	0.53	"	"	"	----
May 26 Sun	0.44	"	"	"	----
May 27 Mon	0.35	"	"	"	----
May 28 Tue	0.26	"	"	"	----
May 29 Wed	0.18	"	MC	"	----
May 30 Thu	0.11	"	"	"	----
May 31 Fri	0.05	"	"	"	----

\*\* MOON IS FRACTIONAL MOON ILLUMINATION AT MIDDLE OF NIGHT

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

**MAY FAST Combo (program & effective nights):** (7 nights)

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

**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 218 (Spec TESS) 25 nights, Zhou 212 (Nep & Jup) 6 nights, Quinn 199 (Giant planets) 4 nights, Irwin 183 (MEarth follow-up) 2 nights, Quinn 206 (Hot Jupiters) 4 nights, Dupree 219 (Betelgeuse) 0.5 night, Rodriguez 220 (Confirmation young Jupiters) 4 nights, Carmichael 213 (Brown dwarfs TESS) 5 nights, Winters 198 (mid-M Dwarfs) 6 nights,

Dupree 216 (Common envelope) 0.5 night, Douglas 209 (Companions) 4 nights, Torres 15 (Eclipsing binaries) 9 nights.

# 60" Schedule for June 2019 (as of 07 Jun 2019)

May June July August Programs PDF Schedules

DATE	MOON	INST	OBSERVER	PI AND PROGRAM	MMT
Jun 1 Sat	0.02	TRES	GE	TRES Combo	----
Jun 2 Sun	0.00	"	"	"	----
Jun 3 Mon	0.01	"	"	"	----
Jun 4 Tue	0.04	FAST	MC	FAST Combo	----
Jun 5 Wed	0.10	"	"	"	----
Jun 6 Thu	0.18	"	"	"	----
Jun 7 Fri	0.28	"	"	"	----
Jun 8 Sat	0.39	"	XX	"	----
Jun 9 Sun	0.50	"	"	"	----
Jun 10 Mon	0.61	"	"	"	----
Jun 11 Tue	0.72	TRES	GE	TRES Combo	----
Jun 12 Wed	0.82	"	"	"	----
Jun 13 Thu	0.89	"	"	"	MC/MM
Jun 14 Fri	0.95	"	"	"	"
Jun 15 Sat	0.99	"	"	"	"
Jun 16 Sun	1.00	"	"	"	"
Jun 17 Mon	0.99	"	MC	"	----
Jun 18 Tue	0.96	"	"	"	----
Jun 19 Wed	0.91	"	GE	"	----
Jun 20 Thu	0.85	"	"	"	----
Jun 21 Fri	0.78	"	"	"	----
Jun 22 Sat	0.69	"	"	"	MC/HC
Jun 23 Sun	0.60	"	PB	"	"
Jun 24 Mon	0.51	"	"	"	"
Jun 25 Tue	0.41	"	Latham	"	"
Jun 26 Wed	0.32	"	"	"	----
Jun 27 Thu	0.23	"	"	"	----
Jun 28 Fri	0.15	"	"	"	----
Jun 29 Sat	0.08	"	PB	"	----
Jun 30 Sun	0.03	"	"	"	----

\*\* MOON IS FRACTIONAL MOON ILLUMINATION AT MIDDLE OF NIGHT

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

**JUN FAST Combo (program & effective nights):** (7 nights)

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

**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 218 (Spec TESS) 25 nights, Zhou 212 (Nep & Jup) 6 nights, Quinn 199 (Giant planets) 4 nights, Irwin 183 (MEarth follow-up) 2 nights, Quinn 206 (Hot Jupiters) 4 nights, Dupree 219 (Betelgeuse) 0.5 night, Rodriguez 220 (Confirmation young Jupiters) 4 nights, Carmichael 213 (Brown dwarfs TESS) 5 nights, Winters 198 (mid-M Dwarfs) 6 nights, Dupree 216 (Common envelope) 0.5 night, Douglas 209 (Companions) 4

nights, Torres 15 (Eclipsing binaries) 9 nights.

# 60" Schedule for July 2019 (as of 07 Jun 2019)

May June July August Programs PDF Schedules

DATE	MOON	INST	OBSERVER	PI AND PROGRAM	MMT
Jul 1 Mon	0.00	TRES	PB	TRES Combo	----
Jul 2 Tue	0.00	FAST	MC	FAST Combo	----
Jul 3 Wed	0.03	"	"	"	----
Jul 4 Thu	0.08	"	"	"	---- INDEPENDENCE DAY
Jul 5 Fri	0.16	"	"	"	----
Jul 6 Sat	0.26	"	XX	"	----
Jul 7 Sun	0.36	"	"	"	----
Jul 8 Mon	0.48	"	"	"	----
Jul 9 Tue	0.59	TRES	GE	TRES Combo	----
Jul 10 Wed	0.69	"	"	"	----
Jul 11 Thu	0.79	"	"	"	MC/HS
Jul 12 Fri	0.87	"	"	"	"
Jul 13 Sat	0.93	"	"	"	"
Jul 14 Sun	0.97	"	"	"	"
Jul 15 Mon	1.00	"	"	"	----
Jul 16 Tue	1.00	"	"	"	MMT SHUTDOWN
Jul 17 Wed	0.98	"	"	"	----
Jul 18 Thu	0.94	"	"	"	----
Jul 19 Fri	0.89	"	MC	"	----
Jul 20 Sat	0.83	"	"	"	----
Jul 21 Sun	0.75	"	"	"	----
Jul 22 Mon	0.66	"	"	"	----
Jul 23 Tue	0.57	"	GE	"	----
Jul 24 Wed	0.47	"	"	"	----
Jul 25 Thu	0.37	"	"	"	----
Jul 26 Fri	0.28	"	"	"	----
Jul 27 Sat	0.18	"	"	"	----
Jul 28 Sun	0.11	"	"	"	----
Jul 29 Mon	0.05	"	MC	"	----
Jul 30 Tue	0.01	"	"	"	----
Jul 31 Wed	0.00	"	"	"	----

\*\* MOON IS FRACTIONAL MOON ILLUMINATION AT MIDDLE OF NIGHT

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

**JUL FAST Combo (program & effective nights):** (7 nights)

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

**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 218 (Spec TESS) 25 nights, Zhou 212 (Nep & Jup) 6 nights, Quinn 199 (Giant planets) 4 nights, Irwin 183 (MEarth follow-up) 2 nights, Quinn 206 (Hot Jupiters) 4 nights, Dupree 219 (Betelgeuse) 0.5 night, Rodriguez 220 (Confirmation young Jupiters) 4 nights, Carmichael 213 (Brown dwarfs TESS) 5 nights, Winters 198 (mid-M Dwarfs) 6 nights,

Dupree 216 (Common envelope) 0.5 night, Douglas 209 (Companions) 4 nights, Torres 15 (Eclipsing binaries) 9 nights.

# 60" Schedule for August 2019 (as of 07 Jun 2019)

May June July August Programs PDF Schedules

DATE	MOON	INST	OBSERVER	PI AND PROGRAM	MMT
Aug 1 Thu	0.02	N/A	"	SHUTDOWN	----
Aug 2 Fri	0.07	"	"	"	----
Aug 3 Sat	0.14	"	"	"	----
Aug 4 Sun	0.23	"	"	"	----
Aug 5 Mon	0.34	"	"	"	----
Aug 6 Tue	0.45	"	"	"	----
Aug 7 Wed	0.56	"	"	"	----
Aug 8 Thu	0.66	"	"	"	----
Aug 9 Fri	0.75	"	"	"	----
Aug 10 Sat	0.84	"	"	"	----
Aug 11 Sun	0.90	"	"	"	----
Aug 12 Mon	0.95	"	"	"	----
Aug 13 Tue	0.98	"	"	"	----
Aug 14 Wed	1.00	"	"	"	----
Aug 15 Thu	0.99	"	"	"	----
Aug 16 Fri	0.97	"	"	"	----
Aug 17 Sat	0.93	"	"	"	----
Aug 18 Sun	0.87	"	"	"	----
Aug 19 Mon	0.80	"	"	"	----
Aug 20 Tue	0.72	"	"	"	----
Aug 21 Wed	0.63	"	"	"	----
Aug 22 Thu	0.53	"	"	"	----
Aug 23 Fri	0.42	"	"	"	----
Aug 24 Sat	0.32	"	"	"	----
Aug 25 Sun	0.22	"	"	"	----
Aug 26 Mon	0.14	"	"	"	----
Aug 27 Tue	0.07	"	"	"	----
Aug 28 Wed	0.02	"	"	"	----
Aug 29 Thu	0.00	"	"	"	----
Aug 30 Fri	0.01	"	"	"	----
Aug 31 Sat	0.05	"	"	"	----

\*\* MOON IS FRACTIONAL MOON ILLUMINATION AT MIDDLE OF NIGHT

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

AUG **FAST Combo (program & effective nights):** (19 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:

May June July August PDF

## 60" Allocations May-August 2019

FAST proposals

PI	Title	Dark	Gray	Bright
Warren Brown	Gravitational Wave Binaries	4	0	0
Peter Blanchard	Spectroscopic and Photometric Follow-up of SLSNe and TDEs	3	0	0
Jubee Sohn	A Complete Redshift Survey for Missing SDSS Interacting Galaxies	8	0	0
Emilio Falco	A First Search for Non-Interacting BH/NS Binaries	3	0	0
Emilio Falco	Spectroscopy of Transients from the All-Sky Automated Survey for SuperNovae	2	0	0
Scott Kenyon	Optical Spectra of Symbiotic Stars	2	0	0

TRES proposals

PI	Title	Dark	Gray	Bright
David W. Latham	Spectroscopic follow-up of TESS planet candidates	10	5	10
George Zhou	Neptunes and Jupiters around early-type stars	3	0	3
Samuel Quinn	Giant Planets in Open Clusters	2	0	2
Jonathan Irwin	MEarth Spectroscopic Follow-up	0	2	0
Sam Quinn	Hot Jupiters, Formed In Situ	0	0	4
Andrea Dupree	Focus on Betelgeuse	0	0	0.5
Joseph Rodriguez	Confirmation and Characterization of Dynamically Young Jupiters	0	0	4
Theron Carmichael	Search for brown dwarfs with TESS follow up	0	1	4
Jennifer Winters	Determining the Occurrence Rate of Hot Jupiters Orbiting the Nearby Mid-to-Late M Dwarfs with TRES	0	6	0
Andrea Dupree	Seeking Common-Envelope Binaries	0	0	0.5
Stephanie T. Douglas	The impact of companions on stellar rotational evolution (TRES)	0	4	0
Guillermo Torres	Eclipsing binaries	0	0	9