

# 60" Schedule for September 2018 (as of 03 Dec 2018)

September October November December Programs PDF Schedules

DATE	MOON	INST	OBSERVER	PI AND PROGRAM	MMT
Sep 1 Sat	0.58	TRES	PB	TRES Combo	----
Sep 2 Sun	0.47	"	"	"	----
Sep 3 Mon	0.36	"	MC	"	---- LABOR DAY
Sep 4 Tue	0.26	FAST	"	FAST Combo	----
Sep 5 Wed	0.16	"	"	"	----
Sep 6 Thu	0.08	"	PB	"	----
Sep 7 Fri	0.03	"	"	"	----
Sep 8 Sat	0.00	"	MC	"	----
Sep 9 Sun	0.01	"	"	"	----
Sep 10 Mon	0.03	"	"	"	----
Sep 11 Tue	0.09	"	"	"	----
Sep 12 Wed	0.16	"	"	"	----
Sep 13 Thu	0.24	TRES	GE	TRES Combo	----
Sep 14 Fri	0.33	"	"	"	----
Sep 15 Sat	0.43	"	"	"	----
Sep 16 Sun	0.53	"	"	"	----
Sep 17 Mon	0.62	"	"	"	----
Sep 18 Tue	0.71	"	"	"	----
Sep 19 Wed	0.79	"	PB	"	----
Sep 20 Thu	0.86	"	"	"	----
Sep 21 Fri	0.92	"	MC	"	----
Sep 22 Sat	0.96	"	"	"	----
Sep 23 Sun	0.99	"	"	"	----
Sep 24 Mon	1.00	"	PB	"	----
Sep 25 Tue	0.98	"	"	"	----
Sep 26 Wed	0.95	"	MC	"	----
Sep 27 Thu	0.89	"	"	"	----
Sep 28 Fri	0.81	"	"	"	----
Sep 29 Sat	0.72	"	GE	"	----
Sep 30 Sun	0.62	"	"	"	----

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

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

**SEP FAST Combo (program & effective nights):** (8 nights)

Brown 178 (merging WDs) 2 nights, MacLeod 229 (Mkn 110) 0.5 night, Blanchard 225 (SLSNes, TDEs) 0.5 night, Kenyon 12 (Symbiotic) 0.5 night, Falco (2MASS) 141 1 night, Kirshner 2 (SN) 4 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:

Medina 211 (Halpva var.) 6 nights, Winters 198 (mid-M Dwarfs) 7 nights, Zhou 212 (Nep & Jup) 6 nights, Quinn 206 (Hot Jupiters) 5 nights, Irwin 183 (MEarth follow-up) 3 nights, Carmichael 213 (Brown desert) 4 nights, Latham 12 (Transiting planets) 15 nights, Dupree 214 (Betelgeuse) 1 night, Latham 186 (Spec K2) 7 nights, Quinn 199 (Giant planets) 4 nights, Douglas 209 (Companions) 5 nights, Dupree 207 (Binaries) 1 night, Latham 204 (Self-lensing) 2 nights, Torres 15 (Eclipsing

binaries) 18 nights, Torres 6 (Pleiades survey) 6 nights.

# 60" Schedule for October 2018 (as of 03 Dec 2018)

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DATE	MOON	INST	OBSERVER	PI AND PROGRAM	MMT
Oct 1 Mon	0.51	TRES	GE	TRES Combo	----
Oct 2 Tue	0.39	"	"	"	----
Oct 3 Wed	0.28	"	"	"	----
Oct 4 Thu	0.19	"	"	"	PB/HS
Oct 5 Fri	0.10	"	"	"	"
Oct 6 Sat	0.04	"	"	"	MC/HS
Oct 7 Sun	0.01	"	"	"	"
Oct 8 Mon	0.00	"	"	"	---- COLUMBUS DAY
Oct 9 Tue	0.02	FAST	PB	FAST Combo	----
Oct 10 Wed	0.06	"	"	"	----
Oct 11 Thu	0.11	"	MC	"	----
Oct 12 Fri	0.18	"	"	"	----
Oct 13 Sat	0.27	"	"	"	----
Oct 14 Sun	0.36	"	"	"	----
Oct 15 Mon	0.45	"	"	"	----
Oct 16 Tue	0.54	TRES	GE	TRES Combo	----
Oct 17 Wed	0.64	"	"	"	----
Oct 18 Thu	0.72	"	"	"	PB/HC
Oct 19 Fri	0.81	"	"	"	"
Oct 20 Sat	0.88	"	"	"	MC/HC
Oct 21 Sun	0.94	"	"	"	"
Oct 22 Mon	0.97	"	"	"	"
Oct 23 Tue	1.00	"	"	"	"
Oct 24 Wed	0.99	"	"	"	----
Oct 25 Thu	0.97	"	"	"	----
Oct 26 Fri	0.92	"	MC	"	----
Oct 27 Sat	0.84	"	"	"	----
Oct 28 Sun	0.75	"	"	"	----
Oct 29 Mon	0.65	"	PB	"	----
Oct 30 Tue	0.54	"	"	"	----
Oct 31 Wed	0.42	"	MC	"	----

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

Brown 178 (merging WDs) 2 nights, MacLeod 229 (Mkn 110) 0.5 night, Blanchard 225 (SLSNes, TDEs) 0.5 night, Kenyon 12 (Symbiotic) 0.5 night, Falco (2MASS) 141 1 night, Kirshner 2 (SN) 4 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:

Medina 211 (Halpva var.) 6 nights, Winters 198 (mid-M Dwarfs) 7 nights, Zhou 212 (Nep & Jup) 6 nights, Quinn 206 (Hot Jupiters) 5 nights, Irwin 183 (MEarth follow-up) 3 nights, Carmichael 213 (Brown desert) 4 nights, Latham 12 (Transiting planets) 15 nights, Dupree 214 (Betelgeuse) 1 night, Latham 186 (Spec K2) 7 nights, Quinn 199 (Giant planets) 4 nights, Douglas 209 (Companions) 5 nights, Dupree 207 (Binaries) 1

night, Latham 204 (Self-lensing) 2 nights, Torres 15 (Eclipsing binaries) 18 nights, Torres 6 (Pleiades survey) 6 nights.

# 60" Schedule for November 2018 (as of 03 Dec 2018)

September October November December Programs PDF Schedules

DATE	MOON	INST	OBSERVER	PI AND PROGRAM	MMT	
Nov 1 Thu	0.31	TRES	MC	TRES Combo	----	
Nov 2 Fri	0.21	"	"	"	----	
Nov 3 Sat	0.13	"	PB	"	----	
Nov 4 Sun	0.07	"	"	"	----	
Nov 5 Mon	0.02	"	MC	"	----	
Nov 6 Tue	0.00	"	"	"	----	
Nov 7 Wed	0.01	"	"	"	----	
Nov 8 Thu	0.03	FAST	Macri	FAST Combo	----	
Nov 9 Fri	0.07	"	"	"	----	
Nov 10 Sat	0.13	"	"	"	----	
Nov 11 Sun	0.20	"	"	"	----	
Nov 12 Mon	0.28	"	MC	"	----	VETERANS DAY
Nov 13 Tue	0.37	"	"	"	----	
Nov 14 Wed	0.46	"	"	"	----	
Nov 15 Thu	0.56	TRES	GE	TRES Combo	----	
Nov 16 Fri	0.65	"	"	"	----	
Nov 17 Sat	0.74	"	"	"	----	
Nov 18 Sun	0.82	"	"	"	----	
Nov 19 Mon	0.89	"	"	"	----	
Nov 20 Tue	0.95	"	"	"	----	
Nov 21 Wed	0.99	"	MC	"	----	
Nov 22 Thu	1.00	"	"	"	----	THANKSGIVING
Nov 23 Fri	0.98	"	"	"	----	
Nov 24 Sat	0.94	"	PB	"	----	
Nov 25 Sun	0.88	"	"	"	----	
Nov 26 Mon	0.79	"	MC	"	----	
Nov 27 Tue	0.69	"	"	"	----	
Nov 28 Wed	0.57	"	"	"	----	
Nov 29 Thu	0.46	"	PB	"	----	
Nov 30 Fri	0.35	"	"	"	----	

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

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

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

Brown 178 (merging WDs) 2 nights, MacLeod 229 (Mkn 110) 0.5 night, Blanchard 225 (SLSNes, TDEs) 0.5 night, Kenyon 12 (Symbiotic) 0.5 night, Falco (2MASS) 141 1 night, Kirshner 2 (SN) 4 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:

Medina 211 (Halpva var.) 6 nights, Winters 198 (mid-M Dwarfs) 7 nights, Zhou 212 (Nep & Jup) 6 nights, Quinn 206 (Hot Jupiters) 5 nights, Irwin 183 (MEarth follow-up) 3 nights, Carmichael 213 (Brown desert) 4 nights, Latham 12 (Transiting planets) 15 nights, Dupree 214 (Betelgeuse) 1 night, Latham 186 (Spec K2) 7 nights, Quinn 199 (Giant planets) 4 nights, Douglas 209 (Companions) 5 nights, Dupree 207 (Binaries) 1 night, Latham 204 (Self-lensing) 2 nights, Torres 15 (Eclipsing

binaries) 18 nights, Torres 6 (Pleiades survey) 6 nights.

# 60" Schedule for December 2018 (as of 03 Dec 2018)

[September](#) [October](#) [November](#) [December Programs PDF Schedules](#)

DATE	MOON	INST	OBSERVER	PI AND PROGRAM	MMT
Dec 1 Sat	0.25	TRES	MC	"	----
Dec 2 Sun	0.16	"	"	"	----
Dec 3 Mon	0.09	"	"	"	----
Dec 4 Tue	0.04	FAST	Brown	FAST Combo	----
Dec 5 Wed	0.01	"	"	"	----
Dec 6 Thu	0.00	"	"	"	----
Dec 7 Fri	0.01	"	"	"	----
Dec 8 Sat	0.04	"	XX	"	----
Dec 9 Sun	0.08	"	"	"	----
Dec 10 Mon	0.14	"	Brown	"	MC/BINO
Dec 11 Tue	0.21	"	EF	"	"
Dec 12 Wed	0.29	TRES	GE	TRES Combo	"
Dec 13 Thu	0.38	"	"	"	"
Dec 14 Fri	0.47	"	"	"	"
Dec 15 Sat	0.57	"	"	"	"
Dec 16 Sun	0.67	"	"	"	----
Dec 17 Mon	0.76	"	"	"	----
Dec 18 Tue	0.84	"	MC	"	----
Dec 19 Wed	0.92	"	"	"	----
Dec 20 Thu	0.97	"	"	"	----
Dec 21 Fri	1.00	"	GE	"	----
Dec 22 Sat	0.99	"	"	"	----
Dec 23 Sun	0.96	"	"	"	----
Dec 24 Mon	0.91	"	"	"	----
Dec 25 Tue	0.82	"	--	CLOSED	---- CHRISTMAS DAY
Dec 26 Wed	0.72	"	GE	TRES Combo	----
Dec 27 Thu	0.61	"	"	"	----
Dec 28 Fri	0.50	"	"	"	----
Dec 29 Sat	0.40	"	MC	"	----
Dec 30 Sun	0.29	"	"	"	----
Dec 31 Mon	0.20	"	"	"	----

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DEC **FAST Combo (program & effective nights):** (8 nights)

Brown 178 (merging WDs) 2 nights, MacLeod 229 (Mkn 110) 0.5 night, Blanchard 225 (SLSNes, TDEs) 0.5 night, Kenyon 12 (Symbiotic) 0.5 night, Falco (2MASS) 141 1 night, Kirshner 2 (SN) 4 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:

Medina 221 (Halpva var.) 6 nights, Winters 198 (mid-M Dwarfs) 7 nights, Zhou 212 (Nep & Jup) 6 nights, Quinn 206 (Hot Jupiters) 5 nights, Irwin 183 (MEarth follow-up) 3 nights, Carmichael 213 (Brown desert) 4 nights, Latham 12 (Transiting planets) 15 nights, Dupree 214 (Betelgeuse) 1 night, Latham 186 (Spec K2) 7 nights, Quinn 199 (Giant planets) 4

nights, Douglas 209 (Companions) 5 nights, Dupree 207 (Binaries) 1 night, Latham 204 (Self-lensing) 2 nights, Torres 15 (Eclipsing binaries) 18 nights, Torres 6 (Pleiades survey) 6 nights.

[September](#) [October](#) [November](#) [December](#) [PDF](#)

## 60" Allocations September-December 2018

FAST proposals

PI	Title	Dark Gray Bright		
Warren Brown	Merging White Dwarfs	7	0	0
Chelsea MacLeod	Decoding the structure and dynamics of the Broad Line Region in MKN 110	1	1	0
Peter Blanchard	Spectroscopic and Photometric Follow-up of SLSNe and TDEs	3	0	0
Scott Kenyon	Optical Spectra of Symbiotic Stars	2	0	0
Emilio Falco	Cosmography of the innermost Zone of Avoidance with the 2MASS Redshift Survey	2	2	0
Robert Kirshner	Supernova Spectroscopy with FAST	12	0	0

TRES proposals

PI	Title	Dark Gray Bright		
Amber Medina	Characterizing H $\alpha$ Variability as a Function of Rotation Period and Mass for Mid-to-Late M Dwarfs	6	0	0
Jennifer Winters	Characterizing the Nearby Mid-M Dwarfs with TRES	7	0	0
George Zhou	Neptunes and Jupiters around early-type stars	6	0	0
Sam Quinn	Hot Jupiters, Formed In Situ	2	0	3
Jonathan Irwin	MEarth Spectroscopic Follow-up	0	2	1
Theron W Carmichael	New candidate members of the brown dwarf desert	0	2	2



David W. Latham	Transiting Planet Candidate Follow-Up - 60 inch	0	5	10
Andrea Dupree	Betelgeuse: the Enigma	0	0	1
David W. Latham	Spectroscopic follow-up of K2 Planet Candidates	0	5	2
Samuel Quinn	Giant Planets in Open Clusters	0	0	4
Stephanie T. Douglas	The impact of companions on stellar rotational evolution (FLWO-1.5m)	0	5	0
Andrea Dupree	Seeking Common-Envelope Binaries	0	0	1
David W. Latham	Self-Lensing Binary Candidates	0	2	0
Guillermo Torres	Eclipsing binaries	0	0	18
Guillermo Torres	Pleiades binary survey	0	0	6