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60" Schedule for September 2019 (as of 05 Dec 2019)

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

DATE	MOON	INST	OBSERVER	PI AND PROGRAM	MMT	
Sep 1 Sun	0.12	TRES	GE	TRES Combo	---	
Sep 2 Mon	0.20	"	"	"	---	LABOR DAY
Sep 3 Tue	0.30	"	"	"	---	
Sep 4 Wed	0.41	"	"	"	---	
Sep 5 Thu	0.51	"	Latham	"	---	
Sep 6 Fri	0.61	"	"	"	---	
Sep 7 Sat	0.71	"	"	"	MC/HC	
Sep 8 Sun	0.79	"	"	"	"	
Sep 9 Mon	0.86	"	PB	"	"	
Sep 10 Tue	0.92	"	"	"	"	
Sep 11 Wed	0.97	"	"	"	---	
Sep 12 Thu	0.99	"	GE	"	---	
Sep 13 Fri	1.00	"	"	"	---	
Sep 14 Sat	0.99	"	"	"	---	
Sep 15 Sun	0.96	"	"	"	---	
Sep 16 Mon	0.91	"	PB	"	---	
Sep 17 Tue	0.85	"	"	"	---	
Sep 18 Wed	0.77	"	"	"	---	
Sep 19 Thu	0.68	"	GE	"	---	
Sep 20 Fri	0.58	"	"	"	---	
Sep 21 Sat	0.47	"	"	"	---	
Sep 22 Sun	0.37	"	"	"	---	
Sep 23 Mon	0.26	"	"	"	---	
Sep 24 Tue	0.17	"	PB	"	MC/BS	
Sep 25 Wed	0.09	"	"	"	"	
Sep 26 Thu	0.03	FAST	Brown	FAST Combo	"	
Sep 27 Fri	0.01	"	"	"	"	
Sep 28 Sat	0.01	"	"	"	"	
Sep 29 Sun	0.04	"	"	"	"	
Sep 30 Mon	0.09	"	"	"	---	

Remote Observers: MC: Mike Calkins, GE: Gil Esquerdo, PB: Perry Berlind

** MOON IS FRACTIONAL MOON ILLUMINATION AT MIDDLE OF NIGHT

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

SEP **FAST Combo (program & effective nights):** (5 nights)

MacLeod (BLR Mkn110) 1 night, Brown 230 (GW binaries) 1 night,

Gomez 233 (FLEET) 0.5 night, Falco 220 (ASAS-SN) 0.5 night,

Falco 231 (BH/NS binaries) 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) 28 nights, Zhou 212 (Nep & Jup) 13 nights,

Quinn 199 (Giant planets) 4 nights, Irwin 183 (MEarth follow-up) 3

nights, Dupree 219 (Betelgeuse) 1.5 nights, Winters 198 (mid-M Dwarfs)

10 nights, Carmichael 213 (Brown dwarfs TESS) 5 nights, Quinn 206 (Hot Jupiters) 8.5 nights, Rodriguez 220 (Confirmation young Jupiters) 4 nights, Dupree 216 (Common envelope) 1 night, Torres 15 (Eclipsing binaries) 12 nights, Douglas 209 (Companions) 9 nights, Torres 6 (Pleiades survey) 10 nights.

60" Schedule for October 2019 (as of 05 Dec 2019)

September October November December Programs PDF Schedules

DATE	MOON	INST	OBSERVER	PI AND PROGRAM	MMT
Oct 1 Tue	0.17	TRES	GE	TRES Combo	----
Oct 2 Wed	0.25	"	"	"	----
Oct 3 Thu	0.35	"	"	"	----
Oct 4 Fri	0.45	"	"	"	----
Oct 5 Sat	0.55	"	Latham	"	----
Oct 6 Sun	0.65	"	"	"	----
Oct 7 Mon	0.74	"	"	"	----
Oct 8 Tue	0.81	"	"	"	----
Oct 9 Wed	0.88	"	"	"	----
Oct 10 Thu	0.94	"	PB	"	----
Oct 11 Fri	0.97	"	"	"	----
Oct 12 Sat	0.99	"	GE	"	MC/HC
Oct 13 Sun	1.00	"	"	"	"
Oct 14 Mon	0.98	"	"	"	" COLUMBUS DAY
Oct 15 Tue	0.94	"	"	"	"
Oct 16 Wed	0.89	"	PB	"	"
Oct 17 Thu	0.81	"	"	"	"
Oct 18 Fri	0.73	"	"	"	----
Oct 19 Sat	0.63	"	GE	"	----
Oct 20 Sun	0.52	"	"	"	----
Oct 21 Mon	0.41	"	"	"	----
Oct 22 Tue	0.30	"	PB	"	----
Oct 23 Wed	0.20	"	"	"	----
Oct 24 Thu	0.11	FAST	--	FAST inoperable	----
Oct 25 Fri	0.05	TRES	PB	TRES Combo	MC/HS
Oct 26 Sat	0.01	"	"	"	"
Oct 27 Sun	0.00	"	"	"	"
Oct 28 Mon	0.02	"	GE	"	"
Oct 29 Tue	0.06	"	"	"	"
Oct 30 Wed	0.12	"	"	"	"
Oct 31 Thu	0.20	"	PB	"	"

Remote Observers: MC: Mike Calkins, GE: Gil Esquerdo, PB: Perry Berlind

** MOON IS FRACTIONAL MOON ILLUMINATION AT MIDDLE OF NIGHT

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

OCT **FAST Combo (program & effective nights):** (5 nights)

MacLeod (BLR Mkn110) 1 night, Brown 230 (GW binaries) 2 nights,
 Gomez 233 (FLEET) 0.5 night, Falco 220 (ASAS-SN) 0.5 night,
 Falco 231 (BH/NS binaries) 1 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) 28 nights, Zhou 212 (Nep & Jup) 13 nights,
 Quinn 199 (Giant planets) 4 nights, Irwin 183 (MEarth follow-up) 3
 nights, Dupree 219 (Betelgeuse) 1.5 nights, Winters 198 (mid-M Dwarfs)

10 nights, Carmichael 213 (Brown dwarfs TESS) 5 nights, Quinn 206 (Hot Jupiters) 8.5 nights, Rodriguez 220 (Confirmation young Jupiters) 4 nights, Dupree 216 (Common envelope) 1 night, Torres 15 (Eclipsing binaries) 12 nights, Douglas 209 (Companions) 9 nights, Torres 6 (Pleiades survey) 10 nights.

60" Schedule for November 2019 (as of 05 Dec 2019)

September October November December Programs PDF Schedules

DATE	MOON	INST	OBSERVER	PI AND PROGRAM	MMT		
Nov 1	Fri	0.29	TRES	PB	TRES Combo	----	
Nov 2	Sat	0.38	"	GE	"	----	
Nov 3	Sun	0.48	"	"	"	----	
Nov 4	Mon	0.57	"	"	"	----	
Nov 5	Tue	0.67	"	"	"	----	
Nov 6	Wed	0.75	"	PB	"	----	
Nov 7	Thu	0.83	"	"	"	----	
Nov 8	Fri	0.90	"	GE	"	MC/HC	
Nov 9	Sat	0.95	"	"	"	"	
Nov 10	Sun	0.98	"	"	"	"	
Nov 11	Mon	1.00	"	Yahalomi	"	"	VETERANS DAY
Nov 12	Tue	0.99	"	"	"	----	
Nov 13	Wed	0.97	"	"	"	----	
Nov 14	Thu	0.92	"	"	"	----	
Nov 15	Fri	0.85	"	"	"	MC/HC	
Nov 16	Sat	0.77	"	GE	"	"	
Nov 17	Sun	0.67	"	"	"	"	
Nov 18	Mon	0.56	"	"	"	----	
Nov 19	Tue	0.45	"	"	"	----	
Nov 20	Wed	0.33	"	PB	"	----	
Nov 21	Thu	0.23	"	"	"	----	
Nov 22	Fri	0.14	FAST	Davis	FAST Combo	MC/HS	
Nov 23	Sat	0.07	"	"	"	"	
Nov 24	Sun	0.02	"	"	"	"	
Nov 25	Mon	0.00	"	"	"	"	
Nov 26	Tue	0.01	"	"	"	----	
Nov 27	Wed	0.03	TRES	PB	TRES Combo	----	
Nov 28	Thu	0.08	"	"	"	----	THANKSGIVING
Nov 29	Fri	0.14	"	GE	"	----	
Nov 30	Sat	0.22	"	"	"	----	

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NOV FAST Combo (program & effective nights): (5 nights)

MacLeod (BLR Mkn110) 1 night, Brown 230 (GW binaries) 1 night,

Gomez 233 (FLEET) 0.5 night, Falco 220 (ASAS-SN) 0.5 night,

Falco 231 (BH/NS binaries) 1 night,

Kenyon 12 (Symbiotic) 0.5 night.

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nights, Dupree 219 (Betelgeuse) 1.5 nights, Winters 198 (mid-M Dwarfs)

10 nights, Carmichael 213 (Brown dwarfs TESS) 5 nights, Quinn 206 (Hot

Jupiters) 8.5 nights, Rodriguez 220 (Confirmation young Jupiters) 4 nights, Dupree 216 (Common envelope) 1 night, Torres 15 (Eclipsing binaries) 12 nights, Douglas 209 (Companions) 9 nights, Torres 6 (Pleiades survey) 10 nights.

60" Schedule for December 2019 (as of 05 Dec 2019)

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DATE	MOON	INST	OBSERVER	PI AND PROGRAM	MMT
Dec 1 Sun	0.31	TRES	Zhou	TRES Combo	MC/HS
Dec 2 Mon	0.40	"	"	"	"
Dec 3 Tue	0.49	"	"	"	"
Dec 4 Wed	0.59	"	"	"	"
Dec 5 Thu	0.68	"	PB	"	----
Dec 6 Fri	0.76	"	"	"	----
Dec 7 Sat	0.84	"	GE	"	----
Dec 8 Sun	0.91	"	"	"	----
Dec 9 Mon	0.96	"	"	"	----
Dec 10 Tue	0.99	"	"	"	----
Dec 11 Wed	1.00	"	PB	"	----
Dec 12 Thu	0.99	"	"	"	----
Dec 13 Fri	0.95	"	GE	"	----
Dec 14 Sat	0.89	"	"	"	----
Dec 15 Sun	0.80	"	"	"	----
Dec 16 Mon	0.70	"	"	"	----
Dec 17 Tue	0.60	"	PB	"	----
Dec 18 Wed	0.48	"	"	"	----
Dec 19 Thu	0.37	"	"	"	----
Dec 20 Fri	0.26	FAST	Davis	FAST Combo	----
Dec 21 Sat	0.17	"	"	"	----
Dec 22 Sun	0.10	"	"	"	----
Dec 23 Mon	0.04	"	MC	"	----
Dec 24 Tue	0.01	"	"	"	----
Dec 25 Wed	0.00	"	--	CLOSED	---- CHRISTMAS DAY
Dec 26 Thu	0.01	TRES	GE	TRES Combo	----
Dec 27 Fri	0.04	"	"	"	----
Dec 28 Sat	0.09	"	"	"	----
Dec 29 Sun	0.16	"	"	"	----
Dec 30 Mon	0.23	"	PB	"	----
Dec 31 Tue	0.32	"	"	"	----

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DEC **FAST Combo (program & effective nights):** (5 nights)

MacLeod (BLR Mkn110) 1 night, Brown 230 (GW binaries) 2 nights,

Gomez 233 (FLEET) 0.5 night, Falco 220 (ASAS-SN) 0.5 night,

Falco 231 (BH/NS binaries) 1 night,

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60" Allocations September-December 2019

[FAST](#) proposals

[TRES](#) proposals

PI	Title	Dark	Gray	Bright
Chelsea MacLeod	Decoding the structure and dynamics of the Broad Line Region in MKN 110	3	0	0
Warren Brown	Gravitational Wave Binaries	5	0	0
Sebastian Gomez	FLEET: Finding Luminous and Exotic Extragalactic Transients	2	0	0
Emilio Falco	Spectroscopy of Transients from the All-Sky Automated Survey for SuperNovae	2	0	0
Emilio Falco	A First Search for Non-Interacting BH/NS Binaries	3	0	0
Scott Kenyon	Optical Spectra of Symbiotic Stars	2	0	0

PI	Title	Dark	Gray	Bright
David W. Latham	Spectroscopic follow-up of TESS planet candidates	20	8	0
George Zhou	Neptunes and Jupiters around early-type stars	10	3	0
Samuel Quinn	Giant Planets in Open Clusters	0	0	4
Jonathan Irwin	MEarth Spectroscopic Follow-up	0	3	0

Andrea Dupree	Focus on Betelgeuse	0	0	1.5
Jennifer Winters	Determining the Occurrence Rate of Hot Jupiters Orbiting the Nearby Mid-to-Late M Dwarfs with TRES	0	0	10
Theron Carmichael	TESS follow up to characterize brown dwarfs and their host stars	1	2	5.5
Joseph Rodriguez	Confirmation and Characterization of Dynamically Young Jupiters	0	0	4
Andrea Dupree	Seeking Common-Envelope Binaries	0	0	1
Guillermo Torres	Eclipsing binaries	0	0	12
Stephanie T. Douglas	The impact of companions on stellar rotational evolution (TRES)	0	9	0
Guillermo Torres	Pleiades binary survey	0	0	10