

60" Schedule for January 2017 (as of 14 Apr 2017)

January February March April Programs PDF Schedules

DATE	MOON	INST	OBSERVER	PI AND PROGRAM	MMT	
Jan 1 Sun	0.15	FAST	MC	FAST Combo	----	NEW YEAR's DAY
Jan 2 Mon	0.23	"	PB	"	----	
Jan 3 Tue	0.33	"	"	"	----	
Jan 4 Wed	0.43	"	MC	"	----	
Jan 5 Thu	0.54	TRES	"	TRES Combo	----	
Jan 6 Fri	0.66	"	"	"	----	
Jan 7 Sat	0.76	"	GE	"	----	
Jan 8 Sun	0.86	"	"	"	----	
Jan 9 Mon	0.93	"	"	"	PB/MM	
Jan 10 Tue	0.98	"	"	"	"	
Jan 11 Wed	1.00	"	"	"	"	
Jan 12 Thu	0.99	"	"	"	"	
Jan 13 Fri	0.95	"	"	"	MC/MM	
Jan 14 Sat	0.90	"	Winters	"	"	
Jan 15 Sun	0.82	"	"	"	"	
Jan 16 Mon	0.74	"	"	"	"	MLK DAY
Jan 17 Tue	0.65	"	"	"	"	
Jan 18 Wed	0.55	"	GE	"	----	
Jan 19 Thu	0.46	"	"	"	----	
Jan 20 Fri	0.36	"	"	"	----	
Jan 21 Sat	0.28	"	"	"	----	
Jan 22 Sun	0.20	"	"	"	----	
Jan 23 Mon	0.13	"	"	"	----	
Jan 24 Tue	0.07	FAST	PB	FAST Combo	----	
Jan 25 Wed	0.03	"	"	"	----	
Jan 26 Thu	0.01	"	"	"	----	
Jan 27 Fri	0.00	"	Macri	"	MC/HC	
Jan 28 Sat	0.02	"	"	"	"	
Jan 29 Sun	0.06	"	"	"	"	
Jan 30 Mon	0.11	TRES	GE	TRES Combo	"	
Jan 31 Tue	0.19	"	"	"	PB/HS	

** MOON IS FRACTIONAL MOON ILLUMINATION AT MIDDLE OF NIGHT

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

JAN FAST Combo (program & effective nights): (10 nights)

Blanchard 225 (SLSNes, TDEs) 1 night, Kenyon 12 (Symbiotic) 0.5 night, Brown 178 (merging WDs) 2 nights, Mondrik 228 (M Dwarfs) 1 night, Kenyon 219 (Debris) 1 night, Falco 220 (ASAS-SN) 0.5 night, Kirshner 2 (SN) 2 nights, Falco 141 (2MASS) 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:

Quinn (Giant planets) 6 nights, Latham 186 (Spec K2) 13 nights, Irwin 183 (MEarth follow-up) 3 nights, Zhou (Confirm K2 warm Jupiters) 3 nights, Latham 12 (Transiting planets) 25 nights, Winters 198 (late M Dwarfs) 4 nights, Falco (Map Novae MW) 1 night, Torres 8 (Accurate masses evolved) 1 night, Torres 15 (Eclipsing binaries) 15 nights,

Zhou 192 (Confirm planets massive stars) 7 nights, Winston (Star-star interactions) 1 night, Torres (Confirm runaway) 2 nights, Torres 6 (Pleiades binary survey) 2 nights.

60" Schedule for February 2017 (as of 14 Apr 2017)

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

DATE	MOON	INST	OBSERVER	PI AND PROGRAM	MMT		
Feb 1	Wed	0.28	TRES	GE	TRES Combo	PB/HS	
Feb 2	Thu	0.39	"	"	"	PB/MC	
Feb 3	Fri	0.51	"	"	"	---	
Feb 4	Sat	0.62	"	"	"	---	
Feb 5	Sun	0.73	"	MC	"	---	
Feb 6	Mon	0.82	"	"	"	---	
Feb 7	Tue	0.90	"	"	"	---	
Feb 8	Wed	0.96	"	PB	"	---	
Feb 9	Thu	0.99	"	"	"	---	
Feb 10	Fri	1.00	"	"	"	---	
Feb 11	Sat	0.98	"	MC	"	---	
Feb 12	Sun	0.94	"	"	"	---	
Feb 13	Mon	0.88	"	"	"	---	
Feb 14	Tue	0.81	"	GE	"	---	
Feb 15	Wed	0.72	"	"	"	---	
Feb 16	Thu	0.64	"	"	"	---	
Feb 17	Fri	0.54	"	MC	"	PB/HS	
Feb 18	Sat	0.45	"	"	"	"	
Feb 19	Sun	0.36	"	GE	"	"	
Feb 20	Mon	0.27	"	"	"	PB/MC	PRESIDENT'S DAY
Feb 21	Tue	0.19	"	"	"	MC/MC	
Feb 22	Wed	0.12	"	"	"	"	
Feb 23	Thu	0.06	"	"	"	MC/HS	
Feb 24	Fri	0.02	FAST	Vaz	FAST Combo	"	
Feb 25	Sat	0.00	"	"	"	PB/HS	
Feb 26	Sun	0.01	"	"	"	PB/HC	
Feb 27	Mon	0.03	"	"	"	"	
Feb 28	Tue	0.09	"	"	"	"	

** MOON IS FRACTIONAL MOON ILLUMINATION AT MIDDLE OF NIGHT

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

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

Blanchard 225 (SLSNes, TDEs) 1 night, Kenyon 12 (Symbiotic) 0.5 night, Brown 178 (merging WDs) 2 nights, Mondrik 228 (M Dwarfs) 1 night, Kenyon 219 (Debris) 1 night, Falco 220 (ASAS-SN) 0.5 night, Kirshner 2 (SN) 2 nights, Falco 141 (2MASS) 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:

Quinn (Giant planets) 6 nights, Latham 186 (Spec K2) 13 nights, Irwin 183 (MEarth follow-up) 3 nights, Zhou (Confirm K2 warm Jupiters) 3 nights, Latham 12 (Transiting planets) 25 nights, Winters 198 (late M Dwarfs) 4 nights, Falco (Map Novae MW) 1 night, Torres 8 (Accurate masses evolved) 1 night, Torres 15 (Eclipsing binaries) 15 nights, Zhou 192 (Confirm planets massive stars) 7 nights, Winston (Star-star interactions) 1 night, Torres (Confirm runaway) 2 nights, Torres 6 (Pleiades binary survey) 2 nights.

60" Schedule for March 2017 (as of 14 Apr 2017)

January February March April Programs PDF Schedules

DATE	MOON	INST	OBSERVER	PI AND PROGRAM	MMT
Mar 1 Wed	0.16	FAST	XX	FAST Combo	MC/HC
Mar 2 Thu	0.25	"	"	"	"
Mar 3 Fri	0.36	TRES	GE	TRES Combo	"
Mar 4 Sat	0.47	"	"	"	"
Mar 5 Sun	0.58	"	"	"	PB/HC
Mar 6 Mon	0.69	"	"	"	"
Mar 7 Tue	0.79	"	"	"	"
Mar 8 Wed	0.88	"	"	"	"
Mar 9 Thu	0.94	"	MC	"	----
Mar 10 Fri	0.98	"	"	"	----
Mar 11 Sat	1.00	"	"	"	----
Mar 12 Sun	0.99	"	PB	"	----
Mar 13 Mon	0.97	"	"	"	----
Mar 14 Tue	0.93	FAST	Berger	ASTRO100	----
Mar 15 Wed	0.86	"	"	"	----
Mar 16 Thu	0.79	"	"	"	----
Mar 17 Fri	0.71	TRES	GE	TRES Combo	----
Mar 18 Sat	0.62	"	"	"	----
Mar 19 Sun	0.53	"	"	"	----
Mar 20 Mon	0.43	"	"	"	----
Mar 21 Tue	0.34	"	PB	"	----
Mar 22 Wed	0.25	"	"	"	----
Mar 23 Thu	0.17	"	MC	"	----
Mar 24 Fri	0.10	FAST	"	FAST Combo	----
Mar 25 Sat	0.04	"	"	"	----
Mar 26 Sun	0.01	"	PB	"	----
Mar 27 Mon	0.00	"	"	"	----
Mar 28 Tue	0.02	"	"	"	----
Mar 29 Wed	0.06	"	MC	"	----
Mar 30 Thu	0.13	"	"	"	----
Mar 31 Fri	0.22	"	"	"	----

** MOON IS FRACTIONAL MOON ILLUMINATION AT MIDDLE OF NIGHT

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

MAR FAST Combo (program & effective nights): (13 nights)

Blanchard 225 (SLSNes, TDEs) 1 night, Kenyon 12 (Symbiotic) 0.5 night, Brown 178 (merging WDs) 1 night, Mondrik 228 (M Dwarfs) 1 night, Kenyon 219 (Debris) 1 night, Falco 220 (ASAS-SN) 0.5 night, Kirshner 2 (SN) 2 nights, Falco 141 (2MASS) 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:

Quinn (Giant planets) 6 nights, Latham 186 (Spec K2) 13 nights, Irwin 183 (MEarth follow-up) 3 nights, Zhou (Confirm K2 warm Jupiters) 3 nights, Latham 12 (Transiting planets) 25 nights, Winters 198 (late M Dwarfs) 4 nights, Falco (Map Novae MW) 1 night, Torres 8 (Accurate masses evolved) 1 night, Torres 15 (Eclipsing binaries) 15 nights,

Zhou 192 (Confirm planets massive stars) 7 nights, Winston (Star-star interactions) 1 night, Torres (Confirm runaway) 2 nights, Torres 6 (Pleiades binary survey) 2 nights.

60" Schedule for April 2017 (as of 14 Apr 2017)

January February March April Programs PDF Schedules

DATE	MOON	INST	OBSERVER	PI AND PROGRAM	MMT
Apr 1 Sat	0.33	FAST	PB	FAST Combo	---
Apr 2 Sun	0.44	"	"	"	---
Apr 3 Mon	0.55	TRES	GE	TRES Combo	---
Apr 4 Tue	0.66	"	"	"	MC/MM
Apr 5 Wed	0.76	"	"	"	"
Apr 6 Thu	0.84	"	"	"	---
Apr 7 Fri	0.91	"	"	"	PB/MM
Apr 8 Sat	0.96	"	"	"	"
Apr 9 Sun	0.99	"	PB	"	---
Apr 10 Mon	1.00	"	"	"	---
Apr 11 Tue	0.99	"	GE	"	---
Apr 12 Wed	0.96	"	"	"	MC/MM
Apr 13 Thu	0.91	"	"	"	"
Apr 14 Fri	0.85	"	MC	"	---
Apr 15 Sat	0.78	"	"	"	---
Apr 16 Sun	0.69	"	GE	"	---
Apr 17 Mon	0.60	"	"	"	PB/HS
Apr 18 Tue	0.51	"	"	"	"
Apr 19 Wed	0.41	"	"	"	"
Apr 20 Thu	0.31	"	"	"	"
Apr 21 Fri	0.22	"	"	"	MC/HS
Apr 22 Sat	0.14	"	"	"	"
Apr 23 Sun	0.07	"	"	"	"
Apr 24 Mon	0.02	FAST	MC	FAST Combo	PB/HS
Apr 25 Tue	0.00	"	"	"	"
Apr 26 Wed	0.01	"	Cloherly	"	"
Apr 27 Thu	0.05	"	"	"	"
Apr 28 Fri	0.11	"	XX	"	MC/HS
Apr 29 Sat	0.20	"	"	"	"
Apr 30 Sun	0.29	"	"	"	"

** MOON IS FRACTIONAL MOON ILLUMINATION AT MIDDLE OF NIGHT

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

APR FAST Combo (program & effective nights): (9 nights)

Blanchard 225 (SLSNes, TDEs) 1 night, Kenyon 12 (Symbiotic) 0.5 night, Brown 178 (merging WDs) 1 night, Mondrik 228 (M Dwarfs) 1 night, Kenyon 219 (Debris) 1 night, Falco 220 (ASAS-SN) 0.5 night, Kirshner 2 (SN) 2 nights, Falco 141 (2MASS) 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:

Quinn (Giant planets) 6 nights, Latham 186 (Spec K2) 13 nights, Irwin 183 (MEarth follow-up) 3 nights, Zhou (Confirm K2 warm Jupiters) 3 nights, Latham 12 (Transiting planets) 25 nights, Winters 198 (late M Dwarfs) 4 nights, Falco (Map Novae MW) 1 night, Torres 8 (Accurate masses evolved) 1 night, Torres 15 (Eclipsing binaries) 15 nights,

Zhou 192 (Confirm planets massive stars) 7 nights, Winston (Star-star interactions) 1 night, Torres (Confirm runaway) 2 nights, Torres 6 (Pleiades binary survey) 2 nights.

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60" Allocations January–April 2017

FAST proposals

PI	Title	Dark	Gray	Bright
Edo Berger	Astro 100: Undergraduate Education on the FLWO 1.5m Telescope	3	0	0
Peter Blanchard	Spectroscopic and Photometric Follow-up of SLSNe and TDEs from PSST	4	0	0
Scott Kenyon	Optical Spectra of Symbiotic Stars	3	0	0
Warren Brown	Merging White Dwarfs	6	0	0
Nicholas P. Mondrik	Flares, Rotation, and Magnetic Activity in Mid-to-Late M Dwarfs	3	0	0
Scott Kenyon	Debris Disk Candidates from the WISE Disk Detective Program	4	0	0
Emilio Falco	Spectroscopy of Transients from the All-Sky Automated Survey for SuperNovae: Big Science with Small Telescopes	2	0	0
Robert Kirshner	Supernova Spectroscopy with FAST	8	0	0
Emilio Falco	Mapping the nearby Universe at low Galactic latitudes with the 2MASS Redshift Survey	2	2	0

TRES proposals

PI	Title	Dark	Gray	Bright
Samuel Quinn	Giant Planets in Open Clusters	0	1	5
David W. Latham	Spectroscopic follow-up of K2 Planet Candidates	0	7	6
Jonathan Irwin	MEarth Spectroscopic Follow-up	0	2	1
George Zhou	Confirming K2 Warm Jupiters with TRES	0	0	3
David W. Latham	Transiting Planet Candidate Follow-Up – 60 inch	0	10	15
Jennifer Winters	Characterizing the Nearby Northern Mid-to-Late M Dwarfs with TRES	0	0	4
Emilio Falco	The first complete map of classical novae in the Milky Way	0	1	0
Guillermo Torres	Accurate masses for evolved stars	0	0	1
Guillermo Torres	Eclipsing binaries	0	0	15
George Zhou	Confirming and characterising planets around massive stars	0	0	7
Elaine Winston	Searching for Star-Star Interactions in Nearby Eclipsing Binaries	0	0	1
Guillermo Torres	Confirming runaway stars in the binary supernova scenario	0	0	2
Guillermo Torres	Pleiades binary survey	0	0	2