

**MMT Observing Programs
August - December 2012**

PA-12B-0129	Neugent, Massey, Meynet	Determining the Binary Frequency of Wolf-Rayet Stars as a Function of Metallicity
PA-12B-0181	Zakamska, Alexandroff, Strauss, Smith, Greene	Spectropolarimetry of High-Redshift Type 2 Quasar Candidates
PA-12B-0197	Brown, Walkowicz, Hawley, Kowalski, Saar, Furesz	MMT Hectochelle Spectral Variability of Active Late-type Stars in the <i>Kepler</i> Field (2012B)
PA-12B-0233	Gizis, Cruz, Burgasser, Berger, Metchev	A Great Spot on a <i>Kepler</i> L Dwarf
PA-12B-0295	Hillenbrand, Findeisen, Rebull	Connecting Stellar Properties and Aperiodic Photometric Variability Origins in Young Stars
SAO-1	Brown, Berger, Chornock, Czekala	A Rapid Imaging Camera for the f/5 MMT
SAO-2	Caldwell, Strader, Seth	Globular Clusters in M33: Continuing the Survey
SAO-3	Brown, Geller, Kenyon, Kilic	Hypervelocity Stars and Merging White Dwarfs
SAO-4	Raymond, Edgar, Fesen, Milisavljevic, Caldwell, Szentgyorgyi	Hectochelle Observation of Balmer Line Filaments in the Cygnus Loop
SAO-5	Foley, Kirshner, Simon, Soderberg	Circumstellar Material in Type Ia Supernova Progenitor Systems
SAO-6	Caldwell, Strader, Seth, Ivans, Szentgyorgyi	The Hectochelle Northern Galactic Globular Cluster Survey
SAO-7	Wright, Drake, Guarcello, Hora, van der Veen, Steeghs, Drew	The Stellar Content and Dynamics of Cygnus OB2
SAO-8	Benbow, Furniss, Williams, Fumagalli, Hogan	Determining Blazar Redshifts for Studies of the EBL
SAO-9	Benbow, Furniss, Williams, Fumagalli, Hogan	Parallel Observations to Determine Blazar Redshifts for Studies of the EBL

SAO-10	Hwang, Geller, Kurtz, Dell'Antonio, Fabricant, Lee	The Environments of Dusty Star-forming Galaxies at $z < 0.8$
SAO-11	Berger, Chomiuk, Chornock, Czekala, Dittmann, Drout, Foley, Kirshner, Lunnan, Margutti, Marion, Milisavljevic, Narayan, Sanders, Soderberg, Stubbs, Zauderer	The MMT Spectroscopic Survey of Pan- STARRS Transients
SAO-12	Shen, Liu	Slit Spectroscopy of kpc-scale Binary AGNs
SAO-13	Dittmann, Newton, Irwin, Berta, Charbonneau, McCarthy, Kulesa	Multiplicity Among MEarth Target Stars
SAO-14	Milisavljevic, Soderberg, Margutti, Drout, Sanders, Dittmann	Resolving SN Ejecta Asymmetries with Moderate-Dispersion Spectra
SAO-15	Dupree, McCarthy, Kulesa	AO Imaging of <i>Kepler</i> Planetary Hosts
SAO-16	Meibom, Barnes, Furesz, Latham, Szentgyorgyi	Better Stellar Ages and Planets in Clusters
DIR	Kim, Bagley, Kiminki, Sherry, Meyer, Jose, Sung	A Survey of Young Stellar Objects in the W3 and W4 Star-forming Regions
UAO-G86	Liu, Fang, Xue, Van de Ven, Carrell, Wu	MMT Hectospec Radial Velocities of Red Clump Stars II: Dynamics of the Galactic Disk
UAO-G87	Li, Cooper, Peng, Smith	A Deep Spectroscopic Survey of an Enigmatic Overdensity of Distant BHB Stars in the Milky Way Stellar Halo
UAO-G88	H. Wu, H.-J. Yan, L. Yan, Zhu, X.-B. Wu, Kong, Zhou, Lam	MMT Hectospec Redshift Survey of FIR/Sub- mm and MIR Sources in the H-ATLAS SDP Field
UAO-G89	Z. Jiang, Tamura, H. Wang, Hoare, Yang, Whellwright, Y. Wang, Chen, Ishii	Dynamics and Kinematics Around High-Mass Protostars
UAO-G90	Evans, Borish, Privon, D.-C. Kim, McCarthy, Kulesa, Armus, Petric, Surace	Nuclear Star Formation and AGN Activity in Luminous Infrared Galaxy Mergers
UAO-G91	Humphreys, Grammer	Luminous and Unstable Stars in N2403

UAO-G92	Jones, Packham, Shenoy	Imaging Polarimetry with MMTPol
UAO-S1	Bian, Fan, Jiang	A Survey of Ultra-luminous Lyman Break Galaxies at $z \sim 3$ in SDSS Deep Stripe
UAO-S2	Cai, Fan, Frye, McGreer	MApping the Most Massive Overdensity Through Hydrogen (MAMMOTH)
UAO-S3	Patience, De Rosa, Rajan, Vigan, King, Ward-Duong, McCarthy, Kulesa, Pueyo	Confirmation and Characterization of Substellar and Degenerate Companions
UAO-S6	Olszewski, Walker, Belokurov, Deason, Mateo	Distant Blue Horizontal Branch Stars and the Mass of the Milky Way
UAO-S7	Zaritsky, Zabludoff, Gonzalez	Searching for Systematic Effects in SNe Ia Distances
UAO-S8	M. Kiminki, D. Kiminki, Kim	A Pair of Massive Double-Lined Spectroscopic Binaries in W3
UAO-S9	Flaherty, Covey, Muzerolle, Espaillat, Muench	Tracing the Kinematic Evolution of Young Stars with Hectochelle
UAO-S10	Jiang, Fan, Walter, Bian, Cai, McGreer, Wang	Identifying $z \geq 6$ Quasars in the UKIDSS Deep Extragalactic Survey Fields
UAO-S11	Stone, Eisner, Salyk, McCarthy, Kulesa	Towards Spectro-Astrometric Calibration of ARIES in Pursuit of a World-Class Spectro-Astrometric Program at the MMT
UAO-S13	Clément, Egami, Jiang	Spectroscopic Identification of $z \sim 6-7$ Candidates in Massive Lensing Cluster Fields and the SXDS
UAO-S14	McGreer, Fan	Quasar Evolution at High Redshift
UAO-S15	You, Zabludoff, Jannuzi, Smith, Yang	Using Polarimetry to Discover the Nature of Ly α Nebulae
UAO-S16	Wong, Ammons, Zabludoff, Keeton, Decker French, McCully	Mapping the Most Powerful Gravitational Lens Telescopes with MMT Hectospec

UAO-S18	Green, Fontaine, Sharpinet, Kawaler, van Grootel, Arnett	First Independent Test of G-Mode Asteroseismology in an Evolved Star: The Pulsating sdB Star in the Old Open Cluster NGC 6791
UAO-S19	Hart, McCarthy, Kulesa, Newman	Detailed Performance Characterization of Imaging and Spectroscopy with the MMT GLAO System
UAO-S42	Smith, Mauerhan	Constraining Pre-Supernova Mass Loss: Spectroscopy of Circumstellar Gas Overtaken by the Blast Wave
UAO-S43	Morzinski, Close, Hinz, McCarthy, Kulesa	Second-Epoch Imaging and Characterization of Candidate Brown Dwarf Companions to Hyades Solar-Type Stars
UAO-S44	Smith, Mauerhan	Spectroscopic Followup of Explosive Massive- Star Transients
UAO-S58	Stark, Robertson, Belokurov, Auger, Richard, Siana	The Nature of Low Luminosity Galaxies at High Redshift