

**MMT Observing Programs  
August - December 2014**

SAO-1	Rubin, Fumagalli, Hennawi, Prochaska	Probing the Circumgalactic Medium with Close Quasar Pairs
SAO-2	Brown, Kilic	Merging White Dwarfs
SAO-3	Lunnan, Chornock, Berger	MMT Photometry of the Extraordinary Superluminous Supernovae PS1-14bj
SAO-4	Kirshner, Challis, Mandel, Avelino, Foley	Spectroscopic Follow up of Supernovae from Dark Energy Survey
SAO-5	Kirshner, Berger, Challis, Chornock, Drout, Foley, Lunnan, Mandel, Margutti, Milisavljevic, Sanders, Soderberg, Stubbs, Jones, Scolnic, Riess, Rodney, Gezari	Obtaining Redshifts and Host Galaxy Spectra for Supernovae in Pan-STARRS
SAO-6	Caldwell, Shara, Mikolajewska	Finding Thousands of Symbiotic Stars – Type Ia Supernova Progenitors?
SAO-7	Caldwell, Hargis, Willman, Strader, Walker, Seth	The Detailed Substructure of a Milky Way Stellar Stream
SAO-8	Geller, Hwang, Fabricant, Rines, Diaferio	Scaling Relations for an Optically Selected Cluster Catalog: HeCS-red
SAO-9	Berger, Fong, Laskar, Chornock, Zauderer	Identifying and Monitoring GRB Optical Afterglows with the MMT f/5 Imager
SAO-10	Dupree, Brickhouse, Cranmer, Kulesa, McCarthy, Smith	Helium in Cool Stars
SAO-11	Drout, Milisavljevic, Margutti, Parrent, Soderberg, Kamble, Villar	Unveiling the Energy Sources within Peculiar Core-Collapse Supernovae
SAO-12	Meibom, Barnes, Furesz, Latham, Szentgyorgyi	The <i>Kepler</i> Cluster Study: Exoplanets and Gyrochronology
SAO-14	Saar, Curtis, Meibom, Wright, Barnes, Agueros, Giampapa	Chromospheric Activity at Intermediate Age with NGC 752
SAO-15	Parrent, Milisavljevic, Margutti, Soderberg, Drout, Kamble, Challis, Kirshner	Type I Supernovae: Signatures of Unburned Progenitor Material
SAO-16	Benbow, Cerruti, Furniss, Williams, Hughes, Johnson	Parallel Observations to Determine Blazar Redshifts for Studies of the EBL

SAO-17	Benbow, Cerruti, Furniss, Williams, Hughes, Johnson	Determining Blazar Redshifts for Studies of the EBL
SAO-18	Johnson, Caldwell, Koch, Hendricks	Exploring the Disintegrating Globular Cluster Pal 13
UAO-G2	Ai, Smith, Shi, Wu	An Unobscured Type 2 Quasar Candidate: SPOL View
UAO-G3	Park, Deshev, Ko, Kim, Hwang, J.-S.	A Spectroscopic Survey of Three Merging Galaxy Clusters
UAO-G4	Park, Hwang, H.S, Hou, Deshev, Ko, Kim, Hwang, J.-S., Choi	Dynamics and Physics of Galaxy Satellite Systems
UAO-G5	Scarlata, Rutkowski, Jansen, Windhorst, Masters, Woodward	Ly $\alpha$ Escape Fraction at $z \sim 2$
UAO-G6	Humphreys	Unstable Luminous Stars in M31 and M33
UAO-G7	Liss, Zucker, Stierwalt, Johnson	Cosmic Building Blocks: The First Systematic Study of Dwarf Galaxy Interactions
UAO-G8	Yang, J., Wu, Fan, Wang, Q. Yang, Q., Dong	Finding Quasars at $z > 5.1$
UAO-G9	Dong, Xiao, Wang, Jiang, N.	First Systematic Search for IMBHs with $M_{\text{BH}} < 10^5 M_{\odot}$
UAO-S26	Massey, Neugent	Getting the Masses of Wolf-Rayet Stars in M31 and M33: Round II
UAO-S28	Jiang, Fan, McGreer, Bian	Y-band Imaging of Quasar Candidates at $z > 6.5$ Selected in the SDSS Stripe 82
UAO-S29	Jiang, Fan, Walter, Cai, McGreer	Identifying $z \geq 6$ Quasars in the UKIDSS Deep Extragalactic Survey Fields
UAO-S30	McCarthy, Kulesa, Tanner, Plavchan	Determining the Ability of ARIES to Search for Planets Around Our Nearest Neighbors
UAO-S31	Wong, Zabludoff, Decker French, Ammons, Keeton, McCully	Mapping the Most Powerful Gravitational Lens Telescopes with MMT Hectospec
UAO-S32	Fan, McGreer, Wu, Wang, Bian, Green	Probing Cosmic Reionization with a Ultra-Luminous Quasar at $z = 6.3$
UAO-S34	Clément, Egami, Jiang, Walth	Spectroscopic Identification of $z \sim 7$ Candidates in Massive Lensing Cluster Fields
UAO-S35	Willmer, Burchett, Tripp, Prochaska, Tumlinson, Werk, Weiner	A Search for Faint Galaxies Associated with Low-Redshift C IV Absorbers

UAO-S36	Olszewski, Holberg, Axelrod, Narayan, Saha, Matheson	A Network of Photometric Standard Stars for LSST
UAO-S37	McGreer, Fan, AlSayyad	An LSST Pilot Survey: High Redshift Quasars from Multiple-Epoch Imaging and the $z \sim 4$ Luminosity Function
UAO-S38	De Rosa, Patience, McCarthy, Kulesa, Rajan, Ward-Duong	Completing Second-Epoch Confirmation Measurements of Low-Mass Companions to A-Type Stars
UAO-S39	Ward-Duong, Patience, McCarthy, Kulesa, De Rosa, Bulger, Rajan	Companions to Nearby M-Dwarfs: A Large-Scale Survey of Multiplicity Across the Stellar/Substellar Boundary
UAO-S40	Ward-Duong, Patience, De Rosa, Rajan, Bulger, McCarthy, Kulesa, Pueyo, Morzinski	Spectroscopic Characterization of Substellar Companions
UAO-S42	Smith, Massey, Drout	Blasts from the Past: Resolving the Nebulae Around LBVs in M31 and M33
UAO-S44	Bezanson, Robertson, Stark, Weiner, Muzzin, Franx	Spanning the Gap: Dissecting Galaxy Bimodality and Quenching with a Deep Survey of Galaxy Absorption Lines at $z \sim 0.5$
UAO-S45	Stark, James, Olszewski, Kopolov, Belokurov, Pettini	Uncovering A New Population of Chemically-Pristine Galaxies
UAO-S47	Weiner, Geha, Tollerud, Wechsler	Luminosity Functions of Satellite Populations Around Milky Way-like Galaxies
UAO-S48	Smith, N., Williams, Milne, Matheson, Zaritsky, Smith, P., Andrews, Fong, Kilpatrick, Bilinski	AZTEC: Arizona Transient Exploration and Characterization
UAO-S69	Wilson, Chen, Zabludoff	Probing Galaxy Halos with Multiple Sightlines Using Multiply Imaged Quasars
UAO-S150	Milne	Studying Absorption Lines as a Probe of Supernova Extinction and CSM