

**MMT Observing Programs  
August - December 2015**

SAO-1	McLeod	MMIRS Engineering
SAO-2	Birkby, Charbonneau, Johnson, J., Lopez-Morales, Rodler, de Kok, Brogi, McCarthy, Kulesa	Exoplanet Atmospheres at High Resolution
SAO-3	Lopez-Morales, Apai, Jordan	Exoplanets Transmission Spectra in the Near-Infrared
SAO-4	Caldwell, Shara, Mikolajewska	Finding Thousands of Symbiotic Stars—Type Ia Supernova Progenitors?
SAO-5	Caldwell, Johnson, Walker, Olszewski, Mateo	Hectochelle Observations of New Ultrafaint Dwarfs
SAO-6	Eisenstein, Lee, Fan, Peters, Richards, Timlin, Ross, Dey, Newman, Burtin, Palanque- Delabrouille, Yeche, Myers	Optimizing DESI Quasar and Emission-Line Galaxy Target Selection
SAO-7	Randall, Dawson, van Weeren, Clarke, Intema	Measuring the Dynamics of the Merging Cluster CIZA J0107.7+5408
SAO-8	Geller, Fabricant, Hwang, Rines	Separating Galaxies from the Dark Matter Halo in Strong-Lensing Clusters
SAO-9	Berger, Alexander, Laskar, Fong, Chornock	Identifying and Monitoring GRB Optical Afterglows with the MMT f/5 Imager
SAO-10	Chilingarian, Bauer, McLeod, Moran, Zolotukhin, Laporte, Katkov	Deep MMIRS Observations of 6 Extragalactic Fields
SAO-11	Johnson, B., Boyer, Conroy, Choi	AGB Stars in a Local Group Galaxy
SAO-12	Meibom, Curtis, Saar	A Membership and Binarity Survey of Ruprecht 147
SAO-13	Drout, Berger	PS1-MDS Type II <sub>n</sub> SN: Do Explosion Properties Correlate with Host Galaxy Environment?
SAO-14	Brown, Kilic	Merging White Dwarfs
SAO-15	Lopez-Morales, Nunez, Covey, Agueros, Szentgyorgyi	Probing the Stellar Activity-Rotation Relation in Open Cluster M37

SAO-16	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-17	Benbow, Cerruti, Furniss, Williams, Johnson	Determining Blazar Redshifts for Studies of the EBL
SAO-18	Rubin, Fumagalli, Hennawi, Prochaska	Probing the Circumgalactic Medium with Close Quasar Pairs
SAO-19	Dupree, Paz Miralles, Saar, McCarthy, Kulesa	Search for Winds from Dwarf Stars
SAO-20	Saar, Curtis, Meibom, Wright, Barnes, Agueros, Giampapa	Chromospheric Activity at Intermediate Age with NGC 752
SAO-21	Kirshner, Challis, Mandel, Avelino, Foley	Spectroscopic Follow Up of Supernovae from Dark Energy Survey
SAO-22	Meibom, Barnes, Latham, Szentgyorgyi	The <i>Kepler</i> Cluster Study: Exoplanets and Gyrochronology
SAO-23	Benbow, Cerruti, Furniss, Williams, Johnson	Parallel Observations to Determine Blazar Redshifts for Studies of the EBL
SAO-24	Shan, Johnson, J.	M-Dwarf RV Survey for Short-Period Binarity Statistics
SAO-25	Lopez-Morales, Douglas, Agueros, Covey	Probing the Stellar Activity-Rotation Relation in Praesepe
SAO-26	Zahid, Lee, Casey	Gas, Dust and Metallicity in Star-Forming Galaxies at $z < 0.4$
SAO-27	Saral, Hora, Willis, Saygac, Audard, Galarza	A Spectroscopic Study of Young Stellar Objects in the W43 and W49 Star-Forming Regions
SAO-28	Parrent, Milisavljevic, Margutti, Soderberg, Drout, Kamble, Challis, Kirshner	Type I Supernovae: Signatures of Unburned Progenitor Material
UAO-G2	Lee, M.-G., Lee, J.H., Koo, Sohn, Ko	Spectroscopy of the Supernova Remnant Candidates in M31
UAO-G3	Woo, Jo	Investigating the $M_{\text{BH}}-\sigma_c$ Relation of the Misclassified Type 1 AGNs
UAO-G5	Lim, Sung, Kim	A Spectroscopic Study of the Young Open Cluster NGC 2264: A Constraint on the Timescale of Cluster Formation
UAO-G8	Humphreys	Unstable Luminous Stars in M31

UAO-G9	Skillman	Chemical Abundances in SHIELD Galaxies
UAO-G12	Troup, Majewski, Nidever, Stassun, Wisniewski, Prieto, Carlberg, Nguyen, Chojnowski	Verification and Characterization of Hot Jupiter Candidates Discovered by SDSS-III APOGEE-1
UAO-G20	Zhang, Liu	Looking for the Smoking Gun of the Diffuse Circumstellar Bands in Star Clusters with MMT/Hectospec
UAO-G22	Yang, J., Wu, Fan, Wang, Yang, Q., Dong	A Survey for Quasars in the Post-Reionization Epoch
UAO-G26	Gong, Liu	On the Nature of Eight Hyper Luminous X-ray Source Candidates
UAO-S287	Massey, Neugent	The Masses of Wolf-Rayet Stars in M31 and M33
UAO-S293	Schindler, Fan, Yang, Wang, McGreer	A Search for Bright Quasars at $3 < z < 6$
UAO-S296	Mommert, Lejoly, Pinilla-Alonso, Trilling, Emery, McCarthy	Near-Infrared Photometry of TNOs and Centaurs in Support of Existing <i>Spitzer</i> Space Telescope Data
UAO-S301	Bezanson, Robertson, Stark, Weiner, Muzzin, Franx	The CHOMP (Color-blind Hectospec Observations of Massive Progenitors) Survey: Probing Galaxy Quenching at $z \sim 0.5$
UAO-S303	Smith, N., Williams, G., Milne, Matheson, Zaritsky, Smith, P., Andrews, Fong, Kilpatrick, Bilinski	AZTEC: Arizona Transient Exploration and Characterization
UAO-S305	Holberg, Olszewski, Axelrod, Narayan, Saha, Matheson, Camarota	A Network of Photometric Standard Stars for LSST
UAO-S310	Weiner, Geha, Tollerud, Wechsler	Dwarf Satellite Populations Around Milky Way-like Galaxies: Luminosity Functions and Star Formation
UAO-S315	Su, Farihi	Elemental Abundances of Planetary Debris in the Atmospheres of Four White Dwarfs with Newly Discovered Dusty Disks
UAO-S316	Fan, McGreer, Walter, Banados, Venemans	Bright $z \sim 6-7$ Quasars from Pan-STARRS
UAO-S330	Prato, Allen, Szentgyorgyi, Torres	Mass Ratios of Young Spectroscopic Binaries in Orion
UAO-S339	Bezanson, Whitaker, Sharon	A Chance Alignment: Confirmation of a Massive Compact Lensed Elliptical Progenitor at $z \sim 1.8$

UAO-S340	Ward-Duong, Patience, McCarthy, Kulesa, De Rosa, Bulger, Rajan, Goodwin, Parker	Companions to Nearby M-Dwarfs: A Large-Scale Survey of Multiplicity Across the Stellar/Substellar Boundary
UAO-S341	Patience, Duchêne, Ward-Duong, De Rosa	Assessing the Fundamental Limits of (Multiple) Star Formation and the Origin of the Brown Dwarf Desert
UAO-S343	Patience, Cotten, Song, Bulger	Evolutionary Analysis of Nearby Debris Disks
UAO-S358	Rajan, Patience, Wilson, Ward-Duong, Bulger, McLeod	Brown Dwarf Atmosphere Monitoring III: A Photometric Survey of the Coolest Brown Dwarfs
UAO-S362	Stark, Tang, Mainali	Spectroscopy of Dwarf Star Forming Galaxies at Redshift $z \sim 2$
UAO-S363	Zabludoff, You, Yang, Jannuzi, Smith, P., Prescott	Using Polarization to Reveal the Nature of Ly $\alpha$ Nebulae
UAO-S367	Fong, Milne, Smith, N., Fan, Littlejohns, Butler, Williams, G., Özel, Chornock, Berger	Target-of-Opportunity Programs at Steward: Rapid-Response Observations of Gamma-Ray Bursts
UAO-S373	Williams, C., Lee, Dey, Giavalisco, Xue, Shi	The First Systematic Search for Protoclusters at $z > 3$ to Study Galaxy Evolution in Dense Environments
UAO-S383	Walth, Egami, Clément, Rujopakarn, Rawle	Near-Infrared Spectroscopy of Exceptionally Bright Herschel Lensing Survey Galaxies at Redshifts $z=1.2-5.2$
UAO-S385	Kim, Pascucci, Fang, Eisner, Apai, Allen	Characterizing YSOs in the Heart of the Orion Nebula Cluster using MMT/MMIRS Multi-Object Spectroscopy