

**MMT Observing Programs  
September - December 2016**

SAO-1	Birkby, Charbonneau, Johnson, J., Lopez-Morales, McCarthy, Kulesa	A Diversity of Exoplanet Atmospheres at High Resolution
SAO-2	Eisenstein, Lee, Richards, Ross, Burtin, Palanque-Delabrouille, Yeche, Myers	Training Faint Quasar Target Selection for DESI
SAO-3	Brown, Kilic	Merging White Dwarfs
SAO-4	Geller, Fabricant, Sohn, Zitrin	Separating Galaxies from the Dark Matter Halo in Strong-Lensing Clusters
SAO-5	Caldwell, Shara, Mikolajewska	Finding Thousands of Symbiotic Stars – Type Ia Supernova Progenitors?
SAO-6	Kirshner, Challis, Mandel, Avelino	Spectroscopic Identification of $z=0.5$ SN from DES for HST Program Raisin2
SAO-7	Caldwell, Johnson, C., Martin, Walker, Koposov, Olszewski, Mateo	Hectochelle Observations of New Ultrafaint Dwarfs
SAO-8	Raymond, Milisavljevic, Fesen, Koo, Lee, Y.-H.	Unshocked Ejecta in Cas A
SAO-9	Kenyon, Najita, Doppmann	IR Spectra of Taurus-Auriga Protostars
SAO-10	Milisavljevic, Raymond, Fesen, Koo, Lee, Y.-H.	MMIRS Survey of Mysterious High-Velocity Ejecta Jets in Cassiopeia A
SAO-11	Kamble, Milisavljevic, Margutti, Parrent, Soderberg, Drout, Kirshner, Challis, Villar	Unveiling the Energy Sources within Peculiar Core-Collapse Supernovae
SAO-12	Shan, Johnson, J.	M-Dwarf RV Survey for Short-Period Binarity Statistics
SAO-13	Kirshner, Avelino, Challis, Chornock, Foley, Mandel, Margutti, Soderberg, Stubbs, Jones, Scolnic, Riess	Obtaining Redshifts and Host Galaxy Spectra for Supernovae in Pan-STARRS
SAO-14	Wolk, Pillitteri, Winston	Characterizing the Kappa Ori Association
SAO-15	Chilingarian, Bauer, McLeod, Moran, Zolotukhin, Laporte, Katkov	Deep MMIRS Observations of 6 Extragalactic Fields

SAO-16	Milisavljevic, Patnaude, Chilingarian, Kamble, Parrent, Guillochon, Soderberg, Kirshner, Challis, Margutti,	Multi-wavelength Observations of Supernovae (MMIRS)
SAO-17	Milisavljevic, Patnaude, Chilingarian, Kamble, Parrent, Guillochon, Soderberg, Kirshner, Challis, Margutti,	Multi-wavelength Observations of Supernovae (Blue Channel)
SAO-18	Berger, Blanchard, Nicholl	Spectroscopic and Photometric Follow-up of SLSNe and TDEs from PSST
SAO-19	MacLeod, Green, P.	Spectroscopic Follow-up of Changing-Look Quasar Candidates
SAO-20	Milisavljevic, Patnaude, Plucinsky, Raymond, Long, Winkler, Blair	A Complete Spectroscopic Survey of the SNR Population of M33
SAO-22	Benbow, Williams, Johnson	Determining Blazar Redshifts for Studies of the EBL
SAO-23	Grindlay, Gomez	Search for Quiescent Black Hole X-ray Binaries from DASCH Transients
SAO-24	Benbow, Williams, Johnson	Parallel Observations to Determine Blazar Redshifts for Studies of the EBL
SAO-25	SAO Hectochelle Queue	SAO Hectochelle Queue Observations
SAO-26	SAO Hectospec Queue	SAO Hectospec Queue Observations
UAO-G1	Lee, M.G., Ryu, Koo, Ko, Sohn	Spectroscopy of the Supernova Remnant Candidates in M31
UAO-G2	Woo, Im, Lee, S.-K., Hyun	Hectospec Observation for a New Supercluster at $z \sim 0.9$ : A Testbed of Structure Formation and Galaxy Evolution
UAO-G3	Kim, E., Yang, Y., Zabludoff, Smith, P., Jannuzi, Lee, M.G.	Using Polarization to Reveal the Nature of Ly $\alpha$ Nebulae
UAO-G21	Cheng, C., Huang, J., Li, C., Jing, Y.	Extend SDSS: to the Faint End
UAO-G28	Vickers, J., Smith, M.C.	Uncovering the Nature of the LAMOST-1 Over-density
UAO-G35	Jiang, Guo, Sun	Deep Spectroscopy of 200 $z=3.1$ LAEs in the UDS

UAO-40	Troup, Majewski, DeLee, Carlberg, Nidever, Stassun, Wisniewski, Allende Prieto, Covey, Nguyen	Continued Monitoring of Stellar and Substellar Candidates Discovered by SDSS-III APOGEE-1
UAO-G101	Lee, Y.-W., Kim, Y.-L., Kang, Y., Chung, C.	Investigation of the Luminosity Evolution of Type Ia Supernovae from the Ages of Nearby Early-Type Host Galaxies
UAO-G102	Jeong, H., Kim, Suk, Lee, Y., Lee, J., Joo, S.-J.	Merger Induced Kinematic and Metallicity Anomalies in Nearby Massive Early-Type Galaxies
UAO-S107	Zabludoff, Yang, Y., Kim, E., Smith, P., Jannuzi	Using Polarization to Reveal the Nature of Ly $\alpha$ Nebulae
UAO-S108	Frye, Walth, Malhotra, Nesvadba, Canameras	Planck's Dusty Gems: The Galaxy Groups that Lens the Brightest Submillimeter Sources at $z=2-4$
UAO-S111	Weiner, Geha, Tollerud, Wechsler, Hoyle	Dwarf Satellite Populations around Milky Way-like Galaxies: Luminosity Functions and Star Formation
UAO-S115	Williams, C.C., Lee, K.-S., Giavalisco	Extreme Feedback: The Drivers of Galactic-scale Outflows at High-redshift
UAO-S118	Stark, Tang	MMIRS Spectroscopy of Dwarf Star Forming Galaxies at $z \sim 2$
UAO-S124	Schlawin, Rieke, M., Rieke, G., Gáspár, Misselt	Identifying Flux Calibrators for JWST
UAO-S131	Crossfield, Birkby, Barman, Lothringer, Charbonneau, Lopez-Morales, McCarthy, Strassmeier	Exoplanet Atmospheres at High Resolution
UAO-S137	Kim, S., Fang, M., Pascucci, Eisner, Apai, Allen	Characterizing YSOs in the Heart of the Orion Nebula Cluster using MMT/MMIRS Multi-object Spectroscopy
UAO-S138	Kim, S., Suárez, Román-Zúñiga, Fang, M., Downes, Walter	The Spectroscopic Initial Mass Function of a Young Star Cluster the Just Evolved from its Parental Cloud
UAO-S141	Hainline, Hickox	Exploring the Narrow Line Region Sizes of IR-luminous Type II Quasars with the MMT Red-Channel Spectrograph
UAO-S145	Neugent, Massey	The Masses of Wolf-Rayet Stars in M31 and M33
UAO-S148	Ward-Duong, Patience, McCarthy, Kulesa, De Rosa, Bulger, Rajan, Goodwin, Parker	Completing a Large-Scale Survey of Multiplicity Across the Stellar/Substellar Boundary

UAO-S161	Smith, N., Williams, G., Milne, Matheson, Zaritsky, Smith, P., Andrews, Fong, W.-F., Moe, Kilpatrick, Bilinski	AZTEC: Arizona Transient Exploration and Characterization
UAO-S167	Senchyna, Stark, Wofford, Lake, Charlot	Detailed Optical Spectroscopy of Star Forming Galaxies with Strong He II Emission
UAO-S181	Fong, W.-F., Smith, Milne	Uncovering and Characterizing the Host Galaxies of Gamma-ray Bursts
UAO-S182	Fong, W.-F., Milne, Smith, Fan, Butler, Williams, G., Özel, Chornock, Berger	Target-of-Opportunity Programs at Steward: Rapid-response Observations of Gamma-ray Bursts
UAO-S187	Fan, Yang, Q., McGreer	A Pilot Survey of Faint $z \sim 6$ Quasars Using DECaLS-UHS-WISE