

**MMT Observing Programs**  
**January - April 2016**

SAO-1	Birkby, Charbonneau, Johnson, J., Lopez-Morales, McCarthy, Kulesa, de Kok	A Diversity of Exoplanet Atmospheres at High Resolution
SAO-2	Geller, Hwang, Sohn, Fabricant, Diaferio, Rines, Kurtz	HectoMAP: Clusters and Large-Scale Structure at $0.25 < z < 0.7$
SAO-3	Zhou, Lopez-Morales	Measuring the Emission Spectrum of the Hot- Jupiter WASP-103b
SAO-4	Curtis, Saar, Guo, Johnson, J.	Magnetic Activity Survey of Solar Analogs in Praesepe
SAO-5	Kamble, Milisavljevic, Margutti, Parrent, Soderberg, Drout, Kirshner, Challis	Unveiling the Energy Sources within Peculiar Core-Collapse Supernovae
SAO-6	Brown, Kilic	Merging White Dwarfs
SAO-7	Chilingarian, Bauer, McLeod, Moran, Zolotukhin, Laporte, Katkov	Deep MMIRS Observations of 6 Extragalactic Fields
SAO-8	Caldwell, Johnson, C., Sesar	Nature of the Ophiucus Stream
SAO-9	Grindlay, Gomez	Search for Quiescent Black Hole X-ray Binaries from DASCH Transients
SAO-10	Johnson, C.I., Caldwell, Rich	NGC 6229: An Outer Halo Globular Cluster with an Fe/s-process Spread?
SAO-11	Berger, Alexander, Nicholl, Fong, W., Laskar, Chornock	Identifying and Monitoring GRB Optical Afterglows with the MMT f/5 Imager
SAO-12	Rubin, Fumagalli, Hennawi, Prochaska	Probing the Circumgalactic Medium with Close Quasar Pairs
SAO-13	Benbow, Williams, Johnson	Determining Blazar Redshifts for Studies of the EBL
SAO-14	Williams, P.K.G., Berger, Fong, E.	Characterizing PS1 Ultracool Dwarfs with Measured Rotation Periods
SAO-15	Milisavljevic, Patnaude, Barlow	Structure, Dynamics, and Feedback of Core- Collapse Supernovae
SAO-16	Smith, H., Strelitski, Drew	Radial Velocity of the Peculiar Star MWC349B

SAO-17	Benbow, Williams, Johnson	Parallel Observations to Determine Blazar Redshifts for Studies of the EBL
SAO-18	Milisavljevic, Patnaude, Margutti, Kamble, Parrent, Soderberg, Kirshner, Challis	Multi-wavelength Observations of Supernovae (MMIRS)
SAO-19	Milisavljevic, Patnaude, Margutti, Kamble, Parrent, Soderberg, Kirshner, Challis	Multi-wavelength Observations of Supernovae (Blue Channel)
SAO-20	Green, P., MacLeod, C.	Spectroscopic Follow-up of Changing Look Quasar Candidates
SAO-21	Damjanov, Zahid	The $z < 1$ Progenitors of Massive Compact Quiescent Galaxies
SAO-22	Green, P., Shen, McGreer, Pancoast, Fan, Trump, Williams, P., SDSS-RM Collaboration	Spectroscopic Monitoring for Multi-Object AGN Reverberation Mapping
SAO-23	Shan, Johnson, J.	M-Dwarf RV Survey for Short-Period Binarity Statistics
SAO-24	Meibom, Barnes	The <i>Kepler</i> Cluster Study: Planets and Gyrochronology
SAO-25	SAO Hectospec Queue	SAO Hectospec Queue Observations
SAO-26	SAO Hectochelle Queue	SAO Hectochelle Queue Observations
SAO-90	Caldwell, Johnson, C., Walker, Olszewski, Mateo, Koposov, Belokurov	Hectochelle Observations of a New Milky Way Dwarf
UAO-G1	Lim, B., Sung, Bessell	A Feedback of High-Mass Stars: Looking for a Direct Evidence for Triggered Star Formation
UAO-G4	Ko, Lee, Sohn, Lim, S., Park	A Wide-field Kinematics of “Green” Globular Clusters in the Merger Remnant Galaxy M85
UAO-G23	Liu, Pan, Shi, Luo, Yan	Calibrate Stellar Parameters from LAMOST Pipeline with High Resolution Spectra
UAO-G25	Shu, Sun, Jiang, Zhou, Dong, Wang	RXJ1302+2747: A Highly Accreting Supersoft IMBH or a True Seyfert 2 Galaxy without a BLR? MMT Can Tell
UAO-G27	Zhang, Liu, Ai	MMT/SPOL View of Broad Absorption Line Quasars with Polar Outflows
UAO-G29	Wang, H., Sun, Ai, Shi	Testing Scattering Enhancement of N V $\lambda 1240$ Emission Line in non-BAL Quasars

UAO-G30	Yang, J., Wu, Fan, Wang, F., Banados, Bian, Yang, Q., Dong	The First $z \sim 5.5$ Quasar Survey Based on PS1-ALLWISE Colors
UAO-G31	Zhang, Casetti-Dinescu, Mendez, Moni-Bidin, Zhao, Girard	MMT/Hectospec Spectra for Kapteyn's Selected Areas 100 and 125: Constraining on the Galactic Gravitational Potential
UAO-G40	Troup, Majewski, Nidever, Stassun, Wisniewski, Prieto, Carlberg, Chojnowski	Continued Monitoring of Stellar and Substellar Candidates Discovered by SDSS-III APOGEE-1
UAO-G41	Liss, Johnson, K., Stierwalt	Cosmic Building Blocks: The First Systematic Study of Dwarf Galaxy Interactions
UAO-G42	Skillman	Chemical Abundances in SHIELD II Galaxies
UAO-G101	Park, C., Hwang, H.S., Park, H., Kim, J., Hwang, J-S	Dynamics and Physics of Galaxy Satellite Systems
UAO-S106	Green, R.	MAESTRO Engineering
UAO-S123	Frye, Walth, Malhotra, Nesvadba, Canameras	Planck's Dusty Gems: The Lenses Underlying the Brightest Submillimeter Sources at $z=2-4$
UAO-S131	Weiner, Geha, Tollerud, Wechsler, Hoyle	Dwarf Satellite Populations Around Milky Way-like Galaxies: Luminosity Functions and Star Formation
UAO-S137	Willmer, Burchett, Wang, Tripp	Characterizing the Multiphase Intracluster Medium and Circumgalactic Media in the Cluster Environment
UAO-S143	Stark, Tang, Mainali	Spectroscopy of Dwarf Star Forming Galaxies at Redshift $z \sim 2$
UAO-S148	Zaritsky, Jablonka, Rudnick, Desai, Finn, Aragon-Salamanca, Poggianti, De Lucia	Detailed Large Scale Structures Around Medium-mass Clusters
UAO-S149	Zaritsky, Cooper, Frenk, Cole, Metcalf	The Satellite Luminosity Function of Milky Way Analog M106
UAO-S165	McGreer, Fan	Changing-Look Quasars from BASS/DeCALS-SDSS: A Decade-Long Baseline for Quasar State Changes
UAO-S166	McGreer, Fan, Impey, Green, P., Shen, Trump, SDSS-RM Collaboration	A Transformative Multi-Object AGN Reverberation Mapping Campaign: Continued Spectroscopic Monitoring in 2016A

UAO-S173	Kim, S., Fang, Pascucci, Eisner, Apai, Allen	Characterizing YSOs in the Heart of the Orion Nebula Cluster using MMT/MMIRS Multi-object Spectroscopy
UAO-S181	Su, Xu, Jura, Meng	Spotting Extrasolar Planetesimal Destruction in Action
UAO-S192	Milne, Smith	Studying Absorption Lines as a Probe of Supernova Extinction and CSM
UAO-S200	Smith, N., Williams, G., Milne, Matheson, Zaritsky, Smith, P., Andrews, Fong, Kilpatrick, Bilinski	AZTEC: Arizona Transient Exploration and Characterization
UAO-S207	Bezanson, Kriek, Greene	Galactic Archeology of Recently Quenched Massive Galaxies at $z \sim 0.7$ : Assessing Quenching Mechanisms
UAO-S211	Senchyna, Stark, Wofford, Lake, Charlot	Detailed Optical Spectroscopy of Star Forming Galaxies with Strong He II Emission
UAO-S221	Fong, Smith, Milne	Uncovering and Characterizing the Host Galaxies of Gamma-ray Bursts
UAO-S222	Fong, Milne, Smith, N., Fan, Butler, Williams, G., Özel, Chornock, Berger	Target-of-Opportunity Programs at Steward: Rapid-Response Observations of Gamma-Ray Bursts