

**MMT Observing Programs**  
**January – April 2015**

SAO-1	Lunnan, Berger, Chornock	MMT Photometry of the Extraordinary Superluminous Supernova PS1-14bj
SAO-2	Birkby, Charbonneau, Johnson, J., Lopez-Morales, Rodler, Kulesa, McCarthy, Brogi, de Kok, Snellen	Exoplanet Atmospheres at High Resolution
SAO-3	Brown, Kilic	Merging White Dwarfs
SAO-4	Geller, Hwang, Fabricant, Kurtz, Diaferio, Rines, Miyazaki	HectoMAP: Clusters and Large-Scale Structure at $0.25 < z < 0.7$
SAO-5	Berger, Laskar, Fong, Chornock, Zauderer	Identifying and Monitoring GRB Optical Afterglows with the MMT f/5 Imager
SAO-6	Rubin, Fumagalli, Hennawi, Prochaska	Probing the Circumgalactic Medium with Close Quasar Pairs
SAO-7	Johnson, C.I., Rich	Exploring the Double Horizontal Branch Globular Cluster NGC 6440
SAO-8	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-9	Drout, Berger, Chornock, Lunnan	PS1-MDS Type II In SN: Do Explosion Properties Correlate with Host Galaxy Environment?
SAO-10	Damjanov, Zahid, Hwang	The Origin of Intermediate-Redshift Compact Quiescent Galaxies
SAO-11	Margutti, Drout, Soderberg, Milisavljevic, Parrent, Kamble	Unveiling the Energy Sources within Peculiar Core-Collapse Supernovae
SAO-12	Kirshner, Challis, Mandel, Avelino, Foley	Spectroscopic Follow Up of Supernovae from Dark Energy Survey
SAO-13	Poppenhaeger, Wolk, von Essen	The MMTCam as an Exoplanet Machine: A Feasibility Study
SAO-14	Grindlay, Miller	Studying the Very Long Period Outbursting System SDSS J1522+3913

SAO-15	Lopez-Morales, Nunez, Covey, Agueros, Szentgyorgyi	Probing the Stellar Activity-Rotation Relation in Open Cluster M37
SAO-16	Parrent, Milisavljevic, Margutti, Soderberg, Drout, Kamble, Challis, Kirshner	Type I Supernovae: Signatures of Unburned Progenitor Material
SAO-17	Lin, Loeb, Brown	Rocky Objects Around White Dwarfs
SAO-18	Rose, Elvis, Tadhunter	CLiF AGN: The Key to Understanding AGN Obscuration and Unification
SAO-19	Benbow, Cerruti, Furniss, Williams, Johnson	Determining Blazar Redshifts for Studies of the EBL
SAO-20	Benbow, Cerruti, Furniss, Williams, Johnson	Parallel Observations to Determine Blazar Redshifts for Studies of the EBL
SAO-21	Elvis, Gezari, Lawrence, MacLeod, Bruce	Large Amplitude Microlensing in Pan-STARRS Quasar Transients: Pinning Down the Lens Redshift
SAO-22	Caldwell, Hargis, Willman, Kimmig, Strader, Walker	The Substructure of a Milky Way Stream: The Eastern Banded Structure
SAO-23	Johnson, C.I., Dupree, Caldwell	Chemical Tagging of Three Globular Clusters Stripped from the Sagittarius dSph
SAO-24	Milisavljevic, Margutti, Parrent, Kamble, Drout, Challis, Soderberg, Kirshner	Multi-Wavelength Supernova Forensics
SAO-25	Caldwell, Bochanski, Brown, Willman	Distant M Giants in the Galactic Halo
SAO-26	Bogdan, Goulding, Forman	Exploring an Over Massive Black Hole in UGC03816
UAO-E292	Guyon, Hart, Codona, Mateen, McCarthy, Close, Males	On-sky Validation of the Highly Sensitive Non- Linear Curvature Wavefront Sensor (nlCWFS)
UAO-E294	Rast, Hart	Demonstrating the Value of UA Telescopes to DoD
UAO-G1	Lim, Sung, Kim	A Spectroscopic Study of the Young Open Cluster NGC 2264: A Constraint on the Timescale of Cluster Formation
UAO-G5	Karouzos, Bae, Jo, Chung, Tremou, Jung, Woo	Radio-AGN as Star Formation Regulators: Ionized Gas Kinematics Along the Radio Jet

UAO-G10	Woo, Jo	Investigating the $M_{\text{BH}}-\sigma_e$ Relation of the Misclassified Type 1 AGNs
UAO-G25	Lian, Kong, Fang, Hu, Ye	Spectroscopy of Blue Compact Dwarf Galaxies at Intermediate Redshift in the COSMOS Deep Field
UAO-G27	Yang, J., Wu, Fan, Wang, Yang, Q., Dong	Finding Quasars in the Post-Reionization Epoch
UAO-G28	Gong, Liu	On the Nature of Eight Hyper Luminous X-Ray Source Candidates
UAO-G102	Lee, Kim, Y.-L., Kang, Chung, Rec	Investigation of the Luminosity Evolution of Type Ia Supernovae from the Ages of Nearby Early-Type Host Galaxies
UAO-Minn1	Jones, Packham, Shenoy	Imaging Polarimetry with MMTPol
UAO-S165	Frye, Walth, Egami, Coe, Pirzkal	Arclet Redshift Census in the Field of MACS0647
UAO-S176	Holberg, Olszewski, Axelrod, Narayan, Saha, Matheson, Camarota	A Network of Photometric Standard Stars for LSST
UAO-S186	Weiner, Geha, Tollerud, Wechsler	Dwarf Satellite Populations Around Milky Way-like Galaxies: Luminosity Functions and Star Formation
UAO-S201	Smith, N., Williams, Milne, Matheson, Zaritsky, Smith, P., Andrews, Fong, Kilpatrick, Bilinski	AZTEC: Arizona Transient Exploration and Characterization
UAO-S204	Stark, James, Olszewski, Koposov, Belokurov, Pettini	Uncovering a New Population of Chemically-Pristine Galaxies
UAO-S205	Fan, McGreer, Walter, Venemans	Bright $z \sim 6-7$ Quasars from Pan-STARRS
UAO-S218	Wilson, Chen, Zabludoff, Zahedy	A New Approach to Spatially Resolving the Circumgalactic Medium at $z=0.2 - 0.9$
UAO-S219	Olszewski, Walker, Mateo	The Origin of Substructure within Galactic Satellites
UAO-S236	Patience, Duchêne, De Rosa, Bulger, Ward-Duong, Rajan	Investigating the Limits of Multiple Star Formation and the Origin of the Brown Dwarf Desert
UAO-S239	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-S240	Rajan, Patience, Young, De Rosa, Ward-Duong, McCarthy, Kulesa	Testing the Origins of Brown Dwarf Companions with Measurements of C/O Ratios
UAO-S241	Jiang, Cai, Fan, McGreer	Identifying $z \sim 6$ Quasars in SDSS Overlap Regions
UAO-S243	Andrews, Calzetti, Adamo, Gallagher, Kim, H., Smith, L., Walterbos	Probing the Upper Initial Mass Function in Nearby Dwarf Galaxies
UAO-S265	Fong, Milne, Smith, N., Fan, Littlejohns, Butler, Williams, Özel, Chornock, Berger	Development of Target-of-Opportunity Programs at Steward: Rapid-response Observations of Gamma-ray Bursts
UAO-S276	Green, Fan, Bian, Bechtold, Jannuzi, Stark, McGreer, Davé, Finlator, Charlot, Ford	Ionizing Radiation from Galaxies at $z \approx 3$
UAO-S280	Yang, H., Johns-Krull, McCarthy, Kulesa	Magnetic Fields of Low-Mass Young Stars in the $\beta$ Pictoris Moving Group
UAO-S291	Patience, Cotten, Song, Bulger, Ward-Duong, Rajan, Rojo	Evolutionary Analysis of Nearby Debris Disks
UAO-S300	Mommert, Pinilla-Alonso, Trilling, Emery, McCarthy, Kulesa, Heidt	Near-Infrared Photometry of TNOs and Centaurs in Support of Existing Spitzer Space Telescope Data