

**MMT Observing Programs
September - December 2011**

PA-11B-0083	Massey, Neugent, Meynet	The Wolf-Rayet Content of M31
PA-11B-0206	Farihi, Redfield, Holberg, Koester, Barstow	The Bulk Composition of Rocky Planetary Debris and a Search for Water
PA-11B-0417	Cummings, Szentgyorgyi, Deliyannis	Initial Lithium of Metal-Poor Young Open Clusters and Its Connection to Primordial Lithium
PA-11B-0472	Allen, Megeath, Pipher, Gutermuth, Winston, Naylor, Furesz	Hectochelle Spectroscopy of the Cep OB3b Cluster
PA-11B-0585	Monier, Turnshek, Rao	The Upper Envelope of Cosmic Metallicity Near $z=1.2$ from ZnII-Selected Quasar Absorption Line Systems
SAO-1	Hora, Stencel, Hoffmann, Skemer	Search for Silicates in the Cold Disk of the Extreme Binary Epsilon Aurigae
SAO-2	Geller, Kurtz, Diaferio, Fabricant, Rines, Postman	Galaxy Cluster Mass Profiles
SAO-3	Caldwell, Strader, Seth	Globular Clusters in M33: Continuing the Survey
SAO-4	Furesz, Stauffer, Morales-Calderon, Hartmann, Szentgyorgyi, Espailat, Hora, Alencar, Micela, Teixeira	The December 2011 NGC 2264 Campaign: Using Time Series Photometry and Spectroscopy to Constrain the Star and Planet Formation Process
SAO-5	Brown, Geller, Kenyon, Kilic	Hypervelocity Stars and Merging White Dwarfs
SAO-6	Sanders, Soderberg, Chomiuk, Drout, Wellons, Dittmann, Levesque	Host Galaxy Metallicities for Pan-STARRS Type Ibc Supernovae
SAO-7	Brown, Ibata, Rich	M31 Hypervelocity Star Candidates
SAO-8	Meibom, Barnes, Furesz, Latham, Szentgyorgyi	Toward Better Ages for Stars and Their Planets

SAO-9	Berger, Challis, Chomiuk, Chornock, Czekala, Elvis, Foley, Friedman, Gezari, Kirshner, Mandel, Narayan, Sanders, Soderberg, Stubbs, Zauderer	The MMT Spectroscopic Survey of Pan-STARRS Transients
SAO-10	Strader, Caldwell, Seth, Szentgyorgyi, Ivans	The Hectochelle Northern Galactic Globular Cluster Survey
SAO-11	Adams, Dupree, McCarthy, Kulesa	ARIES Imaging of <i>Kepler/Spitzer</i> Targets
SAO-12	Dupree, Adams, Gilliland	Double Dipping and More in the <i>Kepler</i> Field
SAO-13	Espaillet, Hsu, Hartmann, Allen	Testing the Stellar Initial Mass Function in Orion
SAO-14	Drake, Wright, D'Onghia, Drew, Farnhill, Ruhland	A Powerful New Test of the Galactic Rotation Law: Hectospec Exploitation of IPHAS
SAO-15	Soderberg, Milisavljevic	Resolving SN Ejecta Asymmetries with Moderate-Dispersion Spectra
SAO-16	Kriek, Conroy, Jones, Labbé, van Dokkum, Whitaker	Physical Properties of $0.5 < z < 1.1$ Galaxies as Function of Spectral Type
SAO-17	Caldwell, Seth, Johnson, Leroy	Open Clusters in M31
SAO-18	Brodwin, Vikhlinin, Gonzalez, Gettings, Stanford, Eisenhardt, Papovich	A <i>WISE</i> Search for the Most Massive, High-Redshift Galaxy Clusters
SAO-19	Liu, Shen	Spectroscopic Monitoring of Candidate Binary Massive Black Holes
SAO-20	Shen	Unveiling Binary Supermassive Black Holes in Double-Peaked Narrow-line AGNs: Slit Spectroscopy
UAO-E29	Bechtold, Kiminki, Williams, Lesser	MAESTRO Engineering
UAO-E30	Hart, Bendek, Powell, McCarthy, Kulesa	Commissioning ARIES with Laser-Guided Adaptive Optics
UAO-G25	Jones, Packham, Rodriguez, Warner, Shenoy	Commissioning of MMTPol

UAO-G26	Humphreys, Woodward, Marengo, Hinz, Hoffmann	MMT/AO MIRAC Mid-IR Imaging of Evolved Stars and Comets
UAO-G27	Skillman, Berg	HII Region Abundances in the Andromeda Galaxy
UAO-G76	Beaton, Majewski, Patterson, Guhathakurta, van der Marel	The Tangential Motion of M31
UAO-G79	Jiang, Tamura, Wang, Hoare, Yang, Whellwright, Wang, Chen, Ishii	Dynamics and Kinematics Around High-Mass Protostars
UAO-G80	Xue, Liu, Van de Ven, Fang	MMT Hectospec Radial Velocities of Red Clump Stars: Measuring the Galactic Rotation Curve Beyond the Solar Radius
UAO-G81	Wang, Zhou, Yang	Spectroscopic Follow-up of Stellar Tidal Disruption Candidates
UAO-G82	Smith, Zhu, Xue, Wu, Carrell, Peng, Zucker	Finding Fossils on Our Doorstep: Using the Milky Way to Probe Galaxy Evolution
UAO-S3	Ammons, Wong, Zabludoff, Keeton	Finding the Most Powerful Gravitational Lens Telescopes with MMT Hectospec
UAO-S4	McGreer, Fan, Jiang	The QSO Luminosity Function at $z > 4$ from a Complete Survey of SDSS Stripe 82
UAO-S5	Pereira, Egami, Finoguenov, Lerchster	A Spectroscopic Survey of Assembling Clusters and Their Evolving Galaxy Populations from $z \sim 0.15 - 0.6$
UAO-S6	Xu, Egami, Pereira, Wang	Optical Spectroscopy of <i>Herschel</i> -Detected Infrared Luminous Quasars
UAO-S7	Walth, Egami, Fiedler, Rex, Rawle, Pereira	SWIRC Near-Infrared Imaging of SPIRE Snapshot Clusters
UAO-S8	Fan, Dey, Myers, Magneville, Palanque-Delabrouille, Schlegel, Yeche	Enabling Next-Generation Cosmological Surveys: A Comprehensive Census of Faint Quasars to Redshift $z < 4$
UAO-S9	Jiang, Egami	Spectroscopic Identification of Three Ly α Emitter Candidates at $z \sim 7$

UAO-S10	Bechtold, Kiminki, Jannuzi, Crighton, Morris	High Resolution Spectroscopy of a Triple Quasar System
UAO-S11	Follette, Schneider, Grady, Hinz, Close	A Search for Water Ice in the Outer Disks of Transitional Disks with MMT AO+CLIO
UAO-S12	Olszewski, Walker, Belokurov, Deason, Mateo	Distant Blue Horizontal Branch Stars and the Mass of the Milky Way
UAO-S14	Pascucci, Alexander, Bechtold, Edwards, Sterzik	Testing X-ray Photoevaporation Models with Spectro-Astrometry
UAO-S15	Stark, Belokurov, Fan, Sand	MMT Spectroscopy of New $z > 2$ Lensed Galaxies in SDSS
UAO-S18	Kim, Fang, Sicilia-Aguilar, van Boekel, Henning	Accretion Variation of Young Stars in L1641
UAO-S19	Teske, McCarthy, Kulesa, Swain, Deroo, Griffith, Apai	Spectroscopy of the Most Highly Irradiated Exoplanet: How Close is Too Close?
UAO-S20	Bian, Fan, Jiang	Probing Ultra-Luminous Lyman Break Galaxies at $z \sim 3$ in SDSS Deep Stripe
UAO-S21	Bailey, Su, Hinz, Rieke, Close	Holey Debris Disks, Batman! Where are the Planets?
UAO-S22	Fan, McGreer, Jiang	Searching for $z > 6$ Quasars in Pan-STARRS
UAO-S23	Bagley, Bagley, Kim, Sherry, Meyer, Jose, Sung	A Survey of Young Stellar Objects in the W3 and W4 Star-Forming Regions
UAO-S31	Rodigas, Hinz, Schneider, Skrutskie, Leisenring, Bailey, Skemer	Spatially Resolving the Ice Line in Debris Disks with the LBT and MMT