

**MMT Observing Programs
September - December 2009**

PA-09B-0060	Moran, Heckman, Catinella, Schiminovich, Kauffmann	A Comprehensive Picture of Star Formation, HI Content, and Dynamics for Galaxies Across the Blue to Red Transition: Resolved Spectroscopy of Galaxies in GASS, the GALEX-Arecibo- SDSS Survey
PA-09B-0149	Massey, Levesque, Maeder, Meynet, Olsen, Silva	Massive Star Evolution as a Function of Metallicity: Closing the Loop in the Local Group
PA-09B-0313	Wright	Determining Distance, Age, and Activity in a New Benchmark Cluster: Ruprecht 147
PA-09B-0328	Mathieu, Geller, Gosnell, Szentgyorgyi	The Formation and Evolution of Blue Stragglers in Open Clusters
PA-09B-0449	Allen, Megeath, Pipher, Gutermuth, Winston, Naylor, Furesz	Hectospec and Hectochelle Spectroscopy of the Cep OB3b Cluster
PA-09B-0456	Deliyannis, Szentgyorgyi, Jeffries, Smalley, Jackson	Do Young Stars Accrete Rocky Planetary Material?
SAO-1	McLeod, MMIRS Team	MMIRS Engineering
SAO-2	Cramer, Szentgyorgyi, Dupree	Tunable Laser Calibration of Multi-Object Spectrographs
SAO-3	Frebel, Kirby, Schlafman	Spectroscopy of the Metal-Poor Stellar Debris of Milky Way Progenitors
SAO-4	Foster, Cramer, Covey, Pineda, Szentgyorgyi, Goodman	Velocities of Young Stars with Hectochelle+Laser
SAO-5	Strader, Caldwell, Seth	Globular Clusters in M31 and M33: Continuing the Survey (II) (using Hectospec)
SAO-6	Kilic	MMIRS Observations of Field White Dwarfs
SAO-7	Sand, Bechtold, McLeod	Under the Microscope: Studying $z \sim 2$ Lensed Galaxies with MMIRS
SAO-8	Brown, Geller, Kenyon	Hypervelocity Stars
SAO-9	Seth, Melbourne	Testing AGB Models in M33

SAO-10	Dupree, McCarthy, Kulesa	Imaging and J-Band Spectroscopy with ARIES
SAO-11	Berger, Stubbs, Soderberg, Foley, Rest, Sand, Narayan, Chornock	Exotic Explosions and Eruptions: New Transient Phase-Space with Pan-STARRS (using Hectospec)
SAO-12	Ashby, McLeod, Hora, Smith, Fazio, Surace, Krick	Spectroscopic Redshifts for IR-Variable Galaxies in the IRAC-CF
SAO-13	Meibom, Barnes, Mathieu, Hartman, Holman	The Connection Between Binarity, Circumstellar Disks, and Stellar Rotation
SAO-14	Geller, Westra, Kurtz, Fabricant, Dell'Antonio, Ramella	Mergers, Diffuse Light, and Luminous Cluster Galaxies
SAO-15	Soderberg, Chevalier, Fransson, Chandr, Chugai, Fox	Revealing Dust Formation in Naked Supernovae with MMT
SAO-16	Berger, Stubbs, Soderberg, Foley, Rest, Sand, Narayan, Chornock	Exotic Explosions and Eruptions: New Transient Phase-Space with Pan-STARRS (using Blue Channel Spectrograph)
SAO-17	Strader, Caldwell, Seth	Globular Clusters in M31 and M33: Continuing the Survey (I) (using Hectochelle)
SAO-18	Hickox, Murray, Jones, Forman, Huang, Ashby, Willner	XDEEP2: Environment and Evolution of AGN
SAO-19	Kilic, Brown	Extremely Low Mass White Dwarfs
SAO-20	Kirshner, Challis, Foley, Rest, Narayan, Stubbs	Supernova Spectroscopy – MMT Blue Channel
SAO-21	Kirshner, Challis, Foley, Rest, Narayan, Stubbs	Supernova Spectroscopy (using Hectospec)
SAO-22	Furesz, Hartmann, Tobin	Toward Constraints on the Pre-Main Sequence Binary Fraction in Young Clusters
SAO-23	Sand, Zaritsky, Graham, Pritchett, Hoekstra	A Systematic Search for Supernovae in Galaxy Clusters
SAO-24	Stubbs, Kirshner, Garnavich, Schmidt, Tucker, Challis, ESSENCE Team	Extending the ESSENCE Survey: Host Galaxies of High-Redshifts Supernovae
SAO-25	Strader, Chomiuk, Sigurdsson	A Supernova Remnant in a Globular Cluster?

SAO-26	Koenig, Hora, Allen, Smith, Keto	Young AB Star Disks in Cygnus X with Hectospec
SAO-27	Hora, Stencel, Hart	MIRAC3 Confirmation of the Cold Disk in the Extreme Binary Epsilon Aurigae
SAO-28	Wang, Cox, Neff, Szentgyorgyi	Mapping the Kinematics of a Giant Shell Near NGC 3077
SAO-29	Meibom, Barnes, Furesz, Latham, Szentgyorgyi	Calibrating Stellar Rotation as an Astronomical Clock
SAO-30	Dupree, Cramer	STellAr Characteristics in Clusters (STACC)
SAO-31	Huchra, Weekes	3C66A Redshift
UAO-E10	Eisner, Hinz, Codona, Kenworthy	Searching for Planets Around Young Stars Using Non-Redundant Masking at the MMT
UAO-E21	Powell, Hart	Next Generation Wavefront Controller for the MMT NGS and LGS Adaptive Optics System
UAO-E22	Hinz, Stock	Nulling Improvement and Characterization with MIRAC4-BLINC
UAO-E23	Bechtold	MAESTRO Engineering
UAO-E24	Hart, Ammons, Powell, Bendek, McCarthy	Astrometric Characterization of GLAO at the MMT and Commissioning of Tomography
UAO-G25	Humphreys, Marengo, Woodward, Hinz, Hoffmann	MMT/AO MIRAC Mid-IR Imaging of Evolved Stars
UAO-S1	Dufour, Green, Fontaine, Bergeron, Liebert	High S/N Ratio Spectra for the Newly-Discovered Carbon Atmosphere WD, Including One to be Observed with HST/COS
UAO-S2	Zaritsky, Sand, Sivanandam, Herbert-Fort, Just, Graham, Bildfell, Pritchett, Hoekstra	A Systematic Search for Supernovae in Galaxy Clusters
UAO-S4	Jiang, Fan	Identifying Faint $z \sim 6$ Quasars in the SDSS Deep Stripe: <i>Y</i> and <i>J</i> -Band Photometry of <i>i</i> -Dropout Objects
UAO-S5	Kenworthy, Hinz	Looking for Extrasolar Planets at the Ice Line

UAO-S6	Rodigas, Hinz	Painting the Complete Picture: Direct Imaging of Sun-like Stars with Radial Velocity-detected Planets
UAO-S8	Massey, Caldwell, Przybilla, Drout	Probing the F-G Supergiant Content of Nearby Galaxies Using the O I λ 7774 Triplet: A First Reconnaissance
UAO-S9	Fan, Diamond-Stanic, Dong	IR Spectroscopy of High-Redshift Weak Emission-Line Quasars: Testing the High Eddington-Ratio Hypothesis
UAO-S12	Olszewski, Mateo, Walker, Belokurov	Confirming New Milky Way Satellites Detected in SDSS BOSS Imaging
UAO-S13	Kim, Meyer, Sherry, Jose	MMT/Hectospec Observations of Young Stars in the W3 Star Forming Region
UAO-S14	Rhoads, Malhotra, McLeod, Tilvi, Veilleux, Swaters	Spectroscopic Followup of Ly- α Emission Near Redshift $z=8$
UAO-S15	Egami, Hardegree-Ullman, Haines, Smith, Moran, Takada, Okabe, Finoguenov, Zhang	LoCuSS: Joint Hectospec/GALEX/HST/Subaru/Spitzer/Herschel Study of Star-Formation & Assembly Histories of Clusters
UAO-S16	Schneider, Hinz, Hines, Grady	Searching for Water Ice in the Outer Disks of T Tauri Stars with MMT/CLIO
UAO-S17	Flaherty, Meyer, Skinner, Sokal, Hinz, Kenworthy, Guedel, Audard	Thermal IR Imaging of NGC 2071 with CLIO on the MMT: Resolving the Heart of a Forming Protostellar Cluster
UAO-S18	Cooper, Comerford, Weiner, Gerke	Dual SMBHs in the SDSS and DEEP2: Probing the Growth of Black Holes at $z < 1$
UAO-S19	Skemer, Close, Hinz, Hoffmann, Greene, Males, Beck	Resolved Silicate Emission in T Tauri Binaries: Determining the Parameters that Lead to Grain-Growth and Planet Formation
UAO-S20	Hinz, Rodigas, Kenworthy	Probing the Atmospheres of Planets Around HR 8799
UAO-S28	Fan, Jiang, Bian, McGreer, Strauss	A Survey of Luminous $z \sim 6$ Quasars in the Southern Galactic Cap
UAO-S56	Liebert, Kilic, Munn, von Hippel, Harris	Ages of the Disk, Thick Disk, & Halo from Newly-Discovered Cool White Dwarfs