

**MMT Observing Programs
September – December 2008**

PA-08B-0056	Moran, Heckman, Catinella, Schiminovich, Kauffmann, Prada, Montero-Dorta	Tracing Galaxy Transformation by Relating Resolved Star Formation Histories and Dynamics to HI Content
PA-08B-0083	Stanghellini, Magrini, Galli, Goncalves, Villaver	Snapshots at Two Epochs of the Metallicity Gradient in the Spiral Galaxy M81: PNe and HII Regions
PA-08B-0127	Im, Papovich, Lee, Matsuhara, AKARI-NEP Survey Team	Deep Spectroscopy of IR Sources in the AKARI North Ecliptic Pole Wide Survey Field
PA-08B-0209	Cieza, Baliber, Fabricant	Testing the Disk Regulation Paradigm with Spitzer: Spectral Typing of Low-Mass Stars
PA-08B-0282	Myers, Richards, Schlegel, Eisenstein	Where's the Peak? The $z \sim 2.5$ Quasar Luminosity Function
PA-08B-0448	Carlin, Casetti-Dinescu, Majewski, Law	A New Method to Determine the Local Standard of Rest Velocity Using Sagittarius Tidal Debris
PA-08B-0456	Maderak, Deliyannis, Szentgyorgyi	Oxygen Abundances at the Extremes of the Open Cluster Metallicity Range: NGC 2420, 2506, and 6791
SAO-1	Cramer, Dupree, Furesz, Korzennik, Szentgyorgyi	Test and Characterization of Tunable Lasers for the Calibration of Multiobject
SAO-2	Brown, Geller, Kenyon	Hypervelocity Stars
SAO-3	Kirshner, Challis, Garnavich, Gallagher	Social Insecurity: What Influences Stellar Death in Old Populations?
SAO-4	Knutson, Charbonneau, Meyer, Hinz, Kenworthy	A Search for a Debris Disk Around V 391 Peg
SAO-5	Mamajek, Hinz, Kenworthy, Meyer	MMT/AO Imaging of the Closest Exoplanet
SAO-6	Allen, Megeath, Poteet, Tobin, Calvet, Hartmann	The Evolution of Protostellar Envelopes in Orion
SAO-7	McLeod, Mandelbaum, Bernstein, Nakajima	Lensing Survey of Dark Matter in Supermassive Galaxy Clusters

SAO-8	Gellar, Fabricant, Kurtz, Rines	The Low L_x Constraint on the Cluster M- L_x Relation
SAO-9	Kilic, Brown, Liebert, Agueros	Extremely Low Mass White Dwarfs
SAO-10	Soderberg, Foley, Chevalier, Fransson, Smith, Chandra, Chugai, Fox	Revealing Dust Formation in Naked Supernovae with MMT
SAO-11	Dupree, Meszaros, Szentgyorgyi	Stellar Characteristics in Clusters (STACC)
SAO-12	Strader, Caldwell	Analysis of M31 Globular Clusters using Hectochelle Observations
SAO-13	Johnson, Jones, Forman, Wegner, Hickox	A Dynamical Analysis of the Merging Cluster Abell 115
SAO-14	Seth, Kallivayalil, Schechter, Ashby	The Proper Motion of NGC 2420: A Pilot for Determining Sgr Stream PMs
SAO-15	Ashby, Huang, Willner, Fazio	The ULIRG/LBG Connection at High Redshift
SAO-16	Berger, Thone	Gamma-Ray Bursts: From Progenitors to Probes
SAO-17	Drake, Wright, Steeghs, IPHAS Collaboration	Hectospec Exploitation of IPHAS: A Powerful New Test of the Galactic Rotation
SAO-18	Berger, Foly, Soderberg, Grindlay	The Diversity of GRB Supernovae
SAO-19	Allen, Furesz, Szentgyorgyi, Briceno, Megeath, Muzerolle, Calvet, Hartmann, Hernandez	The All Orion Spectroscopic Survey: Masses, Ages and Disk Frequencies
SAO-20	Marengo, Schuster, Humphreys, Jones, Hora, Fazio, Hinz, Hoffman	MMT/AO MIRAC Mid-IR Imaging of Cool Hypergiants
SAO-21	Kirshner, Chandra ACIS Survey of M33 Team	Optical Identifications of Point-like X-ray Sources in M33
SAO-22	Meibom, Covey, Lada, Muench, Szentgyorgyi	A Doppler Survey for Close Binaries in IC348
SAO-23	Meibom, Barnes, Furesz, Latham, Szentgyorgyi	Calibrating Stellar Rotation as an Astronomical Clock
SAO-24	Kirshner, Blondin, Hicken, Challis, Foley	Supernova Spectroscopy

SAO-25	Currie, Kenyon	Cluster Membership in NGC 1960 and NGC 2232: Constrains on the Evolution of Debris Emission from Planet Formation
SAO-26	Meibom, Barnes, Mathieu, Hartman, Holman	The Connection Between Binarity, Circumstellar Disks, and Stellar Rotation
SAO-27	Allen, Furesz, Szentgyorgi, Briceno, Megeath, Muzerolle, Calvet, Hartmann, Hernandez	The All Orion Spectroscopic Survey: Kinematics and Accretion Rates
SAO-28	Furesz, Hartmann, Tobin, Miller, Szentgyorgi	Kinematics and Binary Properties of Young Unrelaxed Clusters
SAO-30	Koenig, Allen	Constraining Triggered Star Formation and Disk Evolution in W5
SAO-31	Rest, Becker, Bergmann, Blondin, Challis, Clocchiatti, Cook, Damke, Garg, Huber, Matheson, Minniti, Oaster, Olsen, Prieto, Smith, Suntzeff, Welch, Wood-Vase	The Distance to Tycho and Cas A Supernovae Remnants
SAO-32	Constantin, Shields	Towards an Accurate Census of the Local Growing Supermassive Black Holes
SAO-33	Winston, Wolk, Megeath, Gutermuth, Allen, Muzerolle, Myers	The Effects of Clustered Star-Formation on Disk Evolution in IRAS20050
UAO-E31	Bechtold, Hastie, Pickering, G. Williams, Lesser	MAESTRO Engineering
UAO-E32	McCarthy, Kulesa	Commissioning the Tip/Tilt Correction Subsystem of ARIES
UAO-E33	Lloyd-Hart, Milton, Powell, Stalcup, Kulesa, McCarthy	Commissioning of the MMT's GLAO System and Tests of Tomography
UAO-G34	Humphreys, Jones, Schuster, Marengo, Hora, Fazio, Hinz, Hoffmann	MMT/AO MIRAC Mid-IR Imaging of Cool Hypergiants
UAO-G35	Humphreys, Larsen, Cabanela	Mapping the Asymmetric Thick Disk – Star Counts and Kinematics
UAO-G36	Skillman	Metallicity Dependence of PAH Emission Spirals: NGC 628

UAO-S6	Hergenrother, Laretta, Rizk	Identifying Carbonaceous Comets and Asteroids for Future Spacecraft Missions
UAO-S8	Liebert, Kilic	Extremely Low Mass White Dwarfs
UAO-S9	Fan, Eisenstein, Richards, Myers	Enabling the Era of Mid-z Quasar Surveys: Quasar Clustering and the Faint QLF at $z \sim 3$
UAO-S10	Jiang, Fan, Bian	A Spectroscopic Survey of Faint Quasars at $z \sim 6$ in the SDSS Deep Stripe
UAO-S11	Green, Kalirai	On the Nature of Extreme Horizontal Branch Stars in Open Clusters
UAO-S12	Green, Charpinet, Fontaine, Brassard	Temperatures, Gravities and Radial Velocities for Subdwarf B Stars
UAO-S13	Tegler, Grundy, Cornelison, Vilas, Romanishin	Digging Into the Surface of the Icy Dwarf Planet Eris
UAO-S14	Dufour, Liebert	High S/N Ratio Spectra for the Newly-Discovered Carbon Atmosphere WD, Including One to be Observed with HST/COS
UAO-S15	Eisner, Kenworthy, Hinz, Meyer	MMT Imaging of Transition Disks: Searching for Planets in Formation Around 10 Myr Old Stars
UAO-S16	Sand, Zaritsky, Sivanandam, Herbert-Fort, Just, Graham, Pritchett, Hoekstra	A Systematic Search for Supernovae in Galaxy Clusters
UAO-S18	Sand, Newman, Ellis, Treu	The Dark Matter Distribution in Lensing Clusters: Testing the CDM Paradigm
UAO-S19	Stock, Hinz, Rieke, Su, Trilling	Characterizing Debris Disks with BLINC, Spitzer and KIN
UAO-S20	Greissl, Meyer, McCarthy, Kulesa	Probing the IMF Beyond the Milky Way: Spectroscopy of Young Star Clusters in M33 and IC 342
UAO-S21	Skemer, Close, Hinz, Hoffmann, Greene, Beck	Resolved Silicate Emission in T Tauri Binaries: Determining the Parameters that lead to Grain-Growth and Planet Formation
UAO-S22	Kenworthy	Detecting Giant Planets in to the Ice Line using AO Coronagraphy

UAO-S23	Kim, Meyer, Sherry, Jose	MMT/Hectospec Observations of Young Stars in the W3/W4 Star Forming Regions
UAO-S25	Meyer, Flaherty, 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-S26	Bechtold, Jannuzi, Crighton, Morris	Comparing the Distribution of the IGM and Galaxies Using Three Closely-Spaced Background QSOs
UAO-S27	Egami, Smith, Haines, Moran, Hamilton-Morris, Takada, Umetsu, Okabe, Kneib, Finoguenov, Zhang	LoCuSS: Joint Hectospec/GALEX/HST/Subaru/Spitzer/Herschel Study of Star-Formation & Assembly Histories of Clusters
UAO-S28	Kulesa, McCarthy	Direct Measurement of Cold H ₂ in Translucent Molecular Clouds
UAO-S30	Frinchaboy, Eisenstein, Majewski, Schiavon, McCarthy, Kulesa, Smith, Cunha, Shetrone, Holtzman, Allende-Prieto	Calibration of Near-IR Abundances for SDSS-III/APOGEE: Giant Star Abundance Variations in Star Clusters