

**MMT Observing Programs
September – December 2007**

PA-07B-0114	Jacobson, Pilachowski, Friel, Szentgyorgyi	Study of Open Clusters in the Apparent Abundance Transition Zone $R_{gc} \sim 10$ kpc
PA-07B-0248	Stassun, Aigrain, Irwin, Hodgkin, Hebb	Dynamical Masses of New Young Low-Mass Eclipsing Binaries
PA-07B-0322	Stanghellini, Magrini, Villaver	Search for Metallicity Gradients in M33 through Hectospec Spectroscopy of Planetary Nebulae
PA-07B-0412	Majewski, Patterson, Guhathakurta, Frinchaboy, Kalirai, Beaton, Gilbert	Exploring the Newly Discovered Halo of M31
PA-07B-0538	Kulkarni, York, Khare	The Nature of Dusty Damped Lyman-Alpha Absorption Systems
SAO-1	Brown, Geller, Kenyon, Kurtz	Hypervelocity Stars
SAO-2	Rines, Vikhlinin, Reiprich, Ebeling, Quintana, Burenin, Hornstrup	Evolution of the Cluster Mass Function: Comparing X-ray and Virial Constraint
SAO-3	Caldwell, Brown, Geller, Kenyon, Morrison, Harding	Search for Hypervelocity Stars in M31
SAO-4	Holman, Trilling, C. Fuentes, Volk, Malhotra	The Deep MMT Kuiper Belt Survey
SAO-5	Allen, Furesz, Szentgyorgyi, Briceño, Megeath, Thomas, Muzerolle, Calvet, Hartmann, Hernandez	The All Orion Spectroscopic Survey: Kinematics and Accretion Rates
SAO-6	Allen, Furesz, Szentgyorgyi, Briceño, Megeath, Thomas, Muzerolle, Calvet, Hartmann, Hernandez	The All Orion Spectroscopic Survey: Masses, Ages, and Disk Frequencies
SAO-7	Furesz, Hartmann, Tobin, Szentgyorgyi, Allen	Radial Velocity Monitoring of the Youngest Clusters
SAO-8	Mamajek, Hinz, Kenworthy, Heinze, Meyer	MMTAO/CLIO Survey for Super-Jupiters Around Nearby A-Type Stars

SAO-9	Currie, Kenyon, Evans	Deep SWIRC Photometry of η and χ Persei
SAO-10	Koenig, Allen	Disk Lifetimes of A Stars in W5
SAO-11	Currie, Kenyon, Evans	Accretion Signatures and Cluster Membership in η and χ Persei
SAO-12	Meibom, Covey, Lada, Muench, Szentgyorgyi	A Doppler Survey for Close Binaries in IC348
SAO-13	Ashby, Huang, Barmby, Willner, Fazio, McLeod	A Search for High-Redshift Galaxies in the SSA22 Survey Field
SAO-14	Brown, Kilic, Allende-Prieto	Extremely Low Mass White Dwarfs
SAO-15	Kirshner, Blondin, Challis, Modjaz, Hicken	ESSENCE: Spectroscopy of High-Redshift Type Ia Supernovae
SAO-16	Rines	Deep Imaging of a Spectacular Major Galaxy Merger
SAO-17	Nantais, Huchra	Globular Cluster Spectroscopy in M81
SAO-18	Kirshner, Blondin, Modjaz, Hicken, Challis	Supernova Spectroscopy
SAO-19	Willner, Ashby, Barmby	H Image of M33
SAO-20	O'Sullivan, Raychaudhury, Romanowsky, Forbes	Tracing Lenticular Evolution with Globular Cluster Kinematics
SAO-21	Kirshner, Chandra ACIS Survey Team	Optical Identification of Extended X-ray Sources in M33
SAO-22	Falco, Mediavilla, Motta	Spectroscopic Search for Microlensing in Lensed QSOs
SAO-23	Meszáros, Dupree	Red Giant Stars in M15
SAO-24	Foster, Pineda, Covey, Arce, Goodman	Optical Properties and Distribution of Dust in Perseus: Photometry
SAO-25	Latham, Szentgyorgyi, Torres, Furesz, Meibom, Sozzetti, Carney, Laird, Morse	Spectroscopic Classification of Kepler Targets

UAO-E21	Lloyd-Hart, Milton, Powell, Stalcup, Kulesa, McCarthy	Ground-Layer and Tomographic Adaptive Optics with Laser Guide Stars at the MMT
UAO-E22	McCarthy, Kulesa	Continued Commissioning of ARIES at the MMT
UAO-E23	Sivanandam, M. Rieke, G. Rieke, Horner, Ryder	First H α Observations of a $z = 1.45$ Galaxy Cluster
UAO-E24	Bechtold, Dean, Hastie, Lesser, Reed, Rill, Warner	MAESTRO Engineering
UAO- G25	Humphreys, Larsen, Cabanela	Mapping the Asymmetric Thick Disk – Star Counts and Kinematics
UAO-L20	G. Williams, Rhoads, A. Fuentes, Milne	Probing the High-z Universe Using GRB Afterglows: An MMT Red Channel Target-of-Opportunity Proposal
UAO-S2	Tegler, Grundy, Cornelison, Romanishin, Buie	Measuring CH ₄ /N ₂ in Ice Strata on the Icy Dwarf Planet Eris
UAO-S3	Apai, Meyer, Hinz, Kenworthy, Miller, Andersen, Heinze, Sivanandam	Imaging Planets around the Closest Cool Stars: Revealing the Different Origins of Planetary-Mass Companions
UAO-S4	Muzerolle, Balog, Flaherty	Connecting Accretion and Mid-Infrared Variability in Protoplanetary Disks
UAO-S5	Massey	Massive Stars in M31: Filling in the Yellow Void
UAO-S6	Liebert, Dufour	Mass Determinations of the Newly-Discovered White Dwarfs with Nearly Pure-Carbon Atmospheres
UAO-S7	Greissl, Meyer, Cushing, McCarthy, Kulesa	Probing the IMF Beyond the Milky Way: Spectroscopy of Young Star Clusters in IC 10 and M 33
UAO-S8	Jiang, Fan	A Spectroscopic Survey of Faint Quasars at $z \sim 6$ in the SDSS Deep Stripe
UAO-S9	Sand, Zaritsky	Revisiting the Rapid Evolution of S0 Galaxies
UAO-S10	Willmer, Papovich, Coil, Weiner, Ashby, Huang, M. J. I. Brown, Lin	The Space Density of Red Galaxies at $z \sim 1$

UAO-S12	Bai, G. Rieke, Tyler	Spectroscopic Follow-Ups of the MIPS Observations of X-Ray Underluminous Clusters
UAO-S13	Stock, Hinz, Breuninger	Resolving 10 Micron Debris Disk Emission around Nearby Bright Stars with BLINC
UAO-S14	Kulesa, McCarthy	Direct Measurement of Cold H ₂ in Translucent Molecular Clouds
UAO-S15	Yang, Zabludoff, Tremonti	A Timeline for the Evolution of Early-Type Galaxies
UAO-S16	Tremonti, Diamond-Stanic, Moustakas	A Census of Galactic Winds in Post-Starburst Galaxies
UAO-S17	Kenworthy, Hinz, Heinze	Detecting Giant Planets into the Ice Line using AO Coronagraphy
UAO-S18	Skemer, Close, Hinz, Hoffmann, McCarthy, Kulesa	Are Disks around Young, Tight, Binary Stars Aligned or Random?
UAO-S19	Trilling, Holman, C. Fuentes, Volk, Malhotra	The Deep MMT Kuiper Belt Survey