

**MMT Observing Programs**  
**January – April 2006**

PA-05B-0076	Cooke, Wolfe, Gawiser	One-Degree Deep Survey: Mass of Systems at $2.5 < z < 5$
PA-06A-0063	Carney, Laird, Szentgyorgyi, Latham, Chaboyer	Radial and Rotational Velocities for SIM/PlanetQuest Target Selections
PA-06A-0162	Mathieu, Platais, Latham, Torres, Szentgyorgyi, A. Geller, Braden	The WIYN Open Cluster Study: New Astrophysics from Old Open Clusters
PA-06A-0326	de Jong, Ferguson, Bell, Dalcanton, Seth, Bullock, Courteau	Resolved Stellar Populations of Massive Galaxies
PA-06A-0547	Hennawi, Strauss, Schneider, Clocchiatti	MMT Spectroscopy of High Redshift Quasar Pairs: Measuring Small Scale Quasar Clustering at $z > 3$
SAO-1	Fabricant, Caldwell, Roll	Hectospec Engineering
SAO-2	Szentgyorgyi, Furesz, Latham, Meibom	Hectochelle Engineering: Characterization (Throughput, Radial Velocity Precision)
SAO-3	Gaudi, Holman, Hartman, Stanek, Torres, McLeod	A High-Precision Transit Survey for Hot Jupiters and Hot Neptunes
SAO-4	M. Geller, Fabricant, Dell'Antonio, Kurtz, Ramella	SHELS: Mapping the Matter Distribution in the Universe
SAO-5	Barmby, Ashby, Hora, Huang, Willner, Fazio	Deep Near-IR Imaging of High-Redshift Galaxies
SAO-6	Brown, M. Geller, Kenyon, Kurtz	Hyper-Velocity Stars I
SAO-7	Allen, Calvet, Briceño, Megeath, Muzerolle, Hartmann, Hernandez, Szentgyorgyi	The All Orion Spectroscopic Survey: Kinematics and Mass Accretion Rates
SAO-8	Furesz, Hartmann, Szentgyorgyi, Szabo	Interaction Between Open Clusters – A Kinematical Study of NGC1907 and NGC1912
SAO-9	Allen, Briceño, Megeath, Calvet, Muzerolle, Furesz, Hartmann, Hernandez, Szentgyorgyi	The All Orion Spectroscopic Survey: Ages and Masses of the Pre-Main Sequence Populations

SAO-10	Ashby, Hora, Huang, Barmby, Willner, Fazio	A Search for High-Redshift Galaxies in the Extended Groth Strip
SAO-11	Szentgyorgyi, Brodie, Freeman	A Definitive Test for Dark Matter in Globular Clusters
SAO-12	O'Sullivan, Romanowsky, Raychaudhury, Forbes, Ponman, R. Johnson	Globular Clusters as Mass Tracers in Elliptical Galaxy Haloes
SAO-13	Dupree, Meszaros	Mass Loss and Winds in M13
SAO-14	Latham, Szentgyorgyi, Torres, Furesz, Meibom, Sozzetti	Doppler Survey for Planets in the Kepler Target Region
SAO-15	Winston, Megeath, Allen, Wolk, Muzerolle, Myers	Disk Evolution in the First 2 Million Years
SAO-16	Murray, Hickox, Green, Kenter, Vikhlinin, Jones-Forman, Forman, Fazio, Pahre, Huchra, Falco, Caldwell, AGES Team	Using-X-Ray Selected Sources to Map Cosmic Structure
SAO-17	Allen, Koenig, Chavarria, Hora	Deep Near-IR Imaging of W5
SAO-18	Wolk, Micela, Harnden, Sciortino, Stauffer	The Initial Mass Function in the Outer Galaxy: The Star Forming Region NGC 1893 (Infrared Portion)
SAO-19	Bolton, Burles, Moustakas	Environmental Calibration of Strong Galaxy-Galaxy Lenses
SAO-20	Nantais, Huchra, Barmby	Star Clusters and HII Regions in M81
SAO-21	Korzennik, Szentgyorgyi, Furesz	PRV for Exo-Planet Detection using Iodine Cell
SAO-22	Kirshner, Modjaz, Blondin, Hicken, Challis	Supernova Spectroscopy
SAO-23	Rosenberg, Salzer	Searching for Young Galaxies in the Local Universe
UAO-E33	McCarthy, Kulesa	Commissioning the ARIES Spectrometer

UAO-E34	Lloyd-Hart, Angel, Stalcup, Baranec, Snyder, Milton	Multiple Laser Guide Star Adaptive Optics Program Development at the MMT
UAO-E56	Kenworthy, Hinz, Miller, Brusa, Vaitheeswaran	Characterization and Refinement of the Natural Guide Star MMT AO System
UAO-G36	Skillman, Hewett, Irwin	Chemical Abundances in the Newly Discovered Nearby PN Hewett-1
UAO-G37	Skillman, Garnett, J. D. Smith, Kennicutt	HII Region Abundances in NGC 2403
UAO-G87	D. Peterson, Gutermuth, Megeath	Spectroscopy of Pre-Main Sequence Star and Brown Dwarf Candidates in 3 Young, Embedded Clusters
UAO-L31	Fan, Strauss, Jiang	A Complete Survey of Luminous Quasars at $z \sim 6$ in the Northern Galactic Cap
UAO-S1	Papovich, Le Floch, Barton, Dickinson, Giavalisco	Spectroscopy of Candidate Lensed Lyman Break Galaxies
UAO-S2	Liebert, Cushing, Burgasser	Is the T Dwarf 2MASS J123739.2+652615 the First Hydrogen, Accreting Double Degenerate System?
UAO-S3	Tremonti, Moustakas, Diamond-Stanic	Post-Starburst Galaxies at $z = 0.5 - 1$ : Clues to the Formation of the Red Sequence
UAO-S4	Silverstone, Schneider, Close, McCarthy	MMT/AO Imaging of the Newly-Discovered, Spatially-Resolved, Scattered-Light Debris Disk Around HD 32297
UAO-S5	Rhoads, Finkelstein, Malhotra, Pirzkal	The Nature of High Equivalent Width Lyman- $\alpha$ Galaxies
UAO-S9	Hinz, Kenworthy, Miller, Heinze, Sivinandam	Is a Giant Planet the Cause of Structure in Vega's Debris Disk?
UAO-S11	Liebert, Steeghs, Marsh, Roelofs, Nelemans	AM CVn Stars: The Sloan Sample
UAO-S13	Potter, Brusa, Hinz, Kenworthy, Lloyd-Hart, McCarthy, Miller	Dynamical Mass Determination of the Binary Brown Dwarf System HD130948bc through Astrometry with the MMT/AO System

UAO-S14	Biller, Close, McCarthy, Nielsen, Miller, Brusa, Hinz, Kenworthy	A Survey to Directly Detect Young Extrasolar Planets with Simultaneous Differential Imaging and the MMT AO System
UAO-S16	Liu, Hinz, Hoffmann	Characterizing Habitable Zone Debris around Nearby Stars with Nulling Interferometry and Adaptive Optics
UAO-S17	Heinze, Hinz, Meyer, MMTAO Team	An M-Band Survey for Giant Planets Around Young Stars Within 25 pc
UAO-S18	Meyer, Apai, Masciardi, Henning, Bouwmann, Hines, Mamajek, Moro-Martin, Pascucci, Rodmann, Silverstone, Wolf, Kim, Biller, Close, Kulesa, McCarthy, Kenworthy, Hinz	Placing our Solar System in Context: Searching for Gas Giant Planets in the Disks of Young Solar Analogues
UAO-S19	Papovich, Bell	The Frequency and Effects of Galaxy Mergers at $0.4 < z < 1.1$
UAO-S22	Eisenstein, Cool, Le Floch, Papovich, Kochanek, Jones-Forman, Brand, Dey, Jannuzi, Eisenhardt, Stern, Brown	A Deep, Wide Area Survey for Mid/Far-Infrared Selected Quasars
UAO-S24	Garnett, J. D. Smith, Kennicutt, Skillman	Metallicity Dependence of PAH Emission in Spirals: NGC 2403
UAO-S25	Tegler, Romanishin	First Optical Spectra of New Solar System Planets
UAO-S26	Loll, Hester	Mapping the Crab Nebula Ejecta
UAO-S27	Trilling, Stansberry, Grundy, Spencer	Physical Studies of Kuiper Belt Objects in Support of <i>Spitzer</i> Thermal Observations
UAO-S30	Apai, Meyer, Hinz, Kenworthy, Miller, Heinze, Sivanandam	Imaging Planets around the Closest Stars: Revealing the Different Origins of Planetary-Mass Companions
UAO-S39	Sand, Zaritsky, Herbert-Fort, Sivanandam, Clowe	A Systematic Search for Supernovae in Galaxy Clusters
UAO-S64	Finn, Zaritsky, Homeier, Postman, McCarthy	H $\alpha$ Narrow-Band Imaging of $z \sim 0.75$ Galaxy Clusters

UAO-S67	Momcheva, K. Williams, Zabludoff, Keeton	Lens Environments as Laboratories for Galaxy Evolution
UAO-S69	Olszewski, Mateo, Walker	A New Era in Mapping Dark Matter in Dwarf Spheroidals (continued)