

## Spring 1999 Accepted Applications

**John R. Spencer, John Stansberry**

A Search for Hot Spots on Europa

**Zlatan Tsvetanov, Holland Ford, Walter Jaffe**

A Search for Molecular Hydrogen Emission from Nuclear Disks in Elliptical Galaxies

**Robert D. Joseph**

AGNs and Starbursts in Luminous Infrared Galaxies

**Vikki Meadows, David Crisp**

Airglow in the Venus Upper Atmosphere

**David Trilling, Robert H. Brown**

An Infrared Coronagraphic Study of Extrasolar Kuiper Belts

**William D. Vacca**

Calibration of the New Mauna Kea Infrared Filters

**John Carr, Suchitra Balachandran**

Characterizing M Giants in the Galactic Bulge

**Solange Ramirez, Kristen Sellgren, Donald M. Terndrup, John Carr, Suchitra Balachandran, Robert Blum**

Chemical Abundances of the Galactic Center

**Lisa Prato, Andrea Ghez**

Circumstellar Disk Structure in Pre-Main-Sequence Binaries

**Laurence M. Trafton, Steve Miller, Gilda E. Ballester**

Comparative Imaging Studies of Uranus' H<sub>3</sub><sup>+</sup> and H<sub>2</sub> Emissions

**Michael J. Gaffey, Michael S. Kelley**

Compositional Investigation of Asteroid Families

**David A. Weintraub, Joel Kastner, Jeff Bary**

Constraining the Timescale for Planet Building: CSHELL Observations of the TW Hya Association

**L. A. Sromovsky, Kevin H. Baines, Sanjay Limaye**

Coordinated Observations of Neptune and Triton

**Robert H. Brown, Christ Ftaclas, Doug Toomey**

Deep Probe for Companions of the Nearest K Dwarfs

**J. R. Kuhn, S. Dahm, H. Lin**

Detection of Coronal SiIX Emission at 3.9 $\mu$ m

**John Jurcevic, Michael Pierce**

Distances to M101 and M81 Group Galaxies via the Infrared Red Supergiant Period-Luminosity Relation

**Jay Goguen, Torrence V. Johnson, Dennis L. Matson, Diana L. Blaney, Glenn J. Veeder**

Galileo Support: Io's Heat Flow and Global Volcanic State

**Glenn Orton, Brendan Fisher, P. Yanamandra-Fisher**

Galileo Support Observations of Jupiter (Orbits 20 and 21)

**Fred Espenak, Theodor Kostiuik, Timothy A. Livengood, Jeffrey D. Goldstein, Tilak Hewagama, Kelly E. Fast, Theodore Buhl**

Global Distribution of Ozone in the Atmosphere of Mars

**Bernadette Rodgers, Charles E. Woodward, Diane Wooden**

High Res Spectra of Bracket Lines in Herbig Ae/Be Stars

**Jenny Patience, Andrea Ghez**

High Resolution Companion Searches around Nearby Stars, Young and Old

**Margaret Meixner, Toshiya Ueta, Aditya Dayal**

Imaging the 21  $\mu$ m and Crystalline Silicate features in Proto-Planetary and Planetary Nebulae

**Mark Lacy, Susan Ridgway, Andrew Bunker**

Investigating the Stellar Light from High Redshift Radio Galaxies

**John R. Spencer, John Stansberry, C. Dumas**

Io Volcanism During the Galileo Extended Mission

**Michal J. Simon, Tsevi Mazeh, Lisa Prato**

IR Detection of Low Mass Secondaries in Spectroscopic Binaries

**David Klassen, Jim Bell**

Long Term Monitoring of Atmospheric and Surface Volatiles on Mars

**Jack E. P. Connerney, Takehiko Satoh**

Long Term Observation of Jupiter's Magnetosphere Using NSFCAM Images of H<sub>3</sub><sup>+</sup>

**Vladimir A. Krasnopolsky, Gordon Bjoraker**

Mapping of High-Altitude Ozone on Mars: Photochemical Support to Mars Global Surveyor

**Lynne K. Deutsch, Marc Kassis, Joseph L. Hora, William F. Hoffmann, Giovanni G. Fazio, Aditya Dayal**

Massive Star Formation and PDRs in M17

**Ray Jayawardhana, Lee Hartmann, Giovanni G. Fazio**

Mid-Infrared Imaging of Circumstellar Debris Disks

**Terry Z. Martin**

Mid-IR Determination of Martian Atmospheric Dust and Water Ice Cloud Opacity

**Massimo Marengo, William F. Hoffmann, Joseph L. Hora, Aditya Dayal, Lynne K. Deutsch, Giovanni G. Fazio**

Mid-IR Imaging of AGB Circumstellar Envelopes

**Andrew S. Rivkin, David Trilling, Robert H. Brown**

Near Infrared Spectroscopy and Spectrophotometry of Phobos and Deimos

**James E. Rhoads, Sangeeta Malhotra**

Near Infrared Tracers of Young Stellar Populations in Interacting Galaxies

**Richard Binzel, Thomas Burbine**

Near-Earth Asteroids: A First Near-Infrared Spectroscopic Reconnaissance

**William D. Vacca**

Near-Infrared Imaging of Blue Compact Dwarf Galaxies

**Martha S. Hanner, Michael Hicks, C. Dumas**

Nucleus and Dust Properties of Comet P/Tempel 2

**Alan N. Stockton, Gabriela Canalizo**

Old Galaxies at High Redshifts

**James Jackson, Lynne K. Deutsch, Kathleen Kraemer, William F. Hoffmann, Joseph L. Hora, Giovanni G. Fazio, Aditya Dayal**

PDRs in a Variety of UV Fields: MIRAC3 Obs. of NGC 6334

**Michael J. Mumma, Michael DiSanti, Neil Dello Russo, Karen Magee-Sauer, Robert Novak, Terrence W. Rettig**

Photochemical Mapping of Mars: Global Mapping of Ozone, Water and Related Species as Tests of Odd-Hydrogen Photochemistry

**Shobita Satyapal, Mathew A. Greenhouse, Jacqueline Fischer**

Probing the Energy Source in Ultraluminous Galaxies

**Richard Elston, Jill Bechtold, Pimol Moth**

Star Formation Rates in High Redshift Galaxies

**Robert D. Joseph, George Bendo**

Stellar Populations in the ISO Normal Galaxy Sample

**William M. Grundy, John Stansberry**

Survey for Water and Methane ice on Bright KBOs and Centaurs

**Robert R. Howell, John R. Spencer, John Stansberry, Jay Goguen, Lynne K. Deutsch, Aditya Dayal, Giovanni G. Fazio, William F. Hoffmann, Joseph L. Hora**

Ten Micron Occultation Studies of Hot Spots on Io

**John Rayner**

The Frequency of Disks in W3 and S106

**William D. Vacca, John Rayner, Bruno Leibundgut**

The Hawaii/ESO Infrared Supernovae Program

**Tracy Beck, Michal J. Simon, Lisa Prato**

The IR Luminous Companions of T Tau and Haro 6-10: Variably Obscured Stars?

**Adam S. Stanford, Wil van Breugel, Daniel Stern**

The Morphology of High-Redshift Ultraluminous IR Galaxies

**David Turnshek, Sandhya Rao, Eric Monier, Frank Briggs, Wendy Lane**

The Nature of Damped Lyman-Alpha Galaxies

**Lisa Prato, Michal J. Simon**

Young Star Double-Lined Spectroscopic Binaries