

## Spring 2001 Applications Awarded Time

**I. Neill Reid, David Koener, J. E. Gizis**

A Search for Brown Dwarf and Super-Jovian Companions to Ultracool Dwarfs

**Holland Ford, David Golimowski, Larry Petro**

Searching for Eclipses of M and L Dwarfs by Trans-terrestrial Planets

**Richard Binzel, Schelte J. Bus**

Near-Earth Objects: A Population and Exploration Assessment

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

Observations of Jupiter for Real-Time Galileo and Cassini Support

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

Time Evolution Observations of Jupiter for Galileo and Cassini Support

**Terry J. Jones**

Infrared Imaging Polarimetry of DR21

**Paul S. Hardersen, Paul A. Abell, Michael J. Gaffey**

M-Asteroids: Using Infrared Techniques to Constrain Early Solar System Conditions

**Howie Marion, Peter Hoflich, J. Craig Wheeler**

Near Infrared Spectroscopy of Type Ia Supernovae

**Thomas P. Greene, Karl E. Haisch, Jr., Mary Barsony, Michael E. Ressler**

A Near-IR Imaging Survey of Protostars

**Harriet L. Dinerstein, John H. Lacy, Kristen Sellgren**

Rotational H<sub>2</sub> Line Emission from Warm Molecular Gas in Planetary Nebulae

**Almudena Alonso-Herrero, Valentin D. Ivanov, Alice Quillen, G. H. Rieke**

Disentangling the Stellar and Non-Stellar Infrared Emission of Seyfert Galaxies

**Alan N. Stockton, Gabriela Canalizo, William D. Vacca**

Searches for Old Galaxies and Rich Clusters at  $z \sim 1.6$  and  $z \sim 2.5$

**James Bauer, Karen J. Meech, Tobias Owen**

NIR Spectroscopy of Centaurs and Outer Planet Satellites

**Masatoshi Imanishi, Tadashi Nakajima**

The Origin of Nuclear Emission of Seyfert 2 Galaxies

**David Glenar, Gordon Bjoraker, Diana L. Blaney**

Infrared Imaging Spectroscopy of Mars near the 2001 Opposition

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

Compositional Study of the Muses-C Target Asteroid 1998 SF36

**Michael Brotherton**

Broad Absorption Line Quasars: Young and Dusty or Edge-on and Dusty?

**John Carr, Joan R. Najita, Matt Richter, Neal J. Evans**

Mid-IR H<sub>2</sub>O Emission: A Probe of Disk Gas Content at Planet Formation Distances

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

Photochemical Mapping of Mars: Global Mapping of Ozone, Water, and Related Species

**Geoff A. Blake, John H. Lacy, Matt Richter, Ewine van Dishoeck, Wing Fai Thi**

Molecular Gas in the Debris Disks Around Young Stars

**Vladimir A. Krasnopolsky, Gordon Bjoraker**

Mapping of High-Altitude Ozone on Mars: Photochemical Support of MGS

**Neal J. Evans, John H. Lacy, Thomas Greathouse, Ewine van Dishoeck, Annemieke Boonman**

Mid-Infrared Spectroscopy of Molecular Gas around Protostars

**David Trilling, Robert H. Brown**

A Corographic Study of Dust Disks around Stars with Extrasolar Planets

**Matt Richter, John H. Lacy, Jeff A. Valenti**

Exploring a Sensitive New Diagnostic for Measuring Stellar Magnetic Fields

**Caer McCabe, Gaspard Duchene, Andrea Ghez**

Are Passive Disks More Common in Binaries?

**Alberto Rodriguez-Ardila, Lisa Prato, Mariani G. Pastoriza**

Probing the Coronal Line Region in Narrow-Line Seyfert 1 Galaxies

**Beth E. Clark, Andrew S. Rivkin**

Spectroscopic Exploration of the X-Type Asteroids

**Steve Miller, Jack E. P. Connerney, J. H. Waite, Takehiko Satoh, Laurence M. Trafton, Tom Geballe, Robert D. Joseph, Tom Stallard**

H<sub>3</sub><sup>+</sup> Emission from the Ionosphere and Thermosphere of Jupiter: The Cassini Link

**Michael Cushing, John Rayner, William D. Vacca**

Spectroscopy of Cool Stars and Brown Dwarfs

**Eliot Young, Mark Bullock**

Tracking Clouds in Venus' Lower Atmosphere

**Alan Tokunaga, Roger F. Knacke, Sergio Fajardo-Acosta, Yuri Aikawa**

Spectroscopy of Circumstellar Disks and Envelopes

**Derrick Ousley, Robert Pina, James M. De Buizer**

Near-Infrared Imaging of Massive Star Forming Regions Associated With Water Masers

**Zlatan Tsvetanov, Wei Zheng, David Golimowski**

A Quest for High Redshift Quasars and Brown Dwarfs

**Robert D. Joseph**

Infrared Spectroscopy of Luminous Infrared Galaxies

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

The Organic Composition of Comets 24P/Schaumasse and 1999 T1 (McNaught-Hartley)

**Marc W. Buie, William M. Grundy, John R. Spencer**

Surface Volatile Composition, Distribution & Evolution on Pluto and Triton

**John H. Lacy, Matt Richter, David L. Lambert, Charles Townes**

Water Vapor in Big Stars

**David Crisp, Vikki Meadows, Tom Slanger**

SpeX Observations of the Night Side of Venus

**Evan D. Skillman, John Cannon, John H. Lacy, Matt Richter**

Rotational Transition of Molecular Hydrogen in Extragalactic Environments

**Robert Gehrz, Nathan Smith, Roberta Humphreys**

Thermal Dust Emission From the Circumstellar Environments of Evolved Hypergiants

**David Turnshek, Sandhya Rao, Daniel Nestor, Eric Monier, Wendy Lane**

The Nature of Damped Lyman-Alpha Galaxies: The Expanded HST Sample

**John Rayner, William D. Vacca, Michael Cushing, Andrew Pickles, Michael Gregg, N. Forster Schreiber**

A Near-Infrared Spectral Library

**William D. Vacca, John Rayner, Werner Schmutz**

Near-Infrared Spectroscopy of the Massive X-ray Binary Cyg X-3

**David Klassen, Jim Bell**

A Continuing Investigation of Martial Volatiles through NIR Imaging Spectroscopy

**Thomas Greathouse, Caitlin Griffith, John H. Lacy**

Jupiter's Stratosphere: A Detailed Study of the Photochemistry, Energetics and Dynamics

**Sean Carey, Michael Egan, Paul A. Feldman**

High Resolution Observations of Embedded Sources in MSX Infrared-Dark Clouds

**Nancy Chanover, Gordon Bjoraker**

IR Spectral Imaging of Saturn

**Theodor Kostiuk, Timothy A. Livengood, Michael Flasar**

Jupiter's Thermal IR Aurora and the Solar Cycle, Stratospheric Temperature and Hydrocarbon Abundances

**Angela Cotera, Anrea Leistra**

SpeX Observations of the Massive Stellar Clusters in the Galactic Center

**Michael E. Ressler, David Cole**

Photometric Calibration of Selected Mid-Infrared Standard Stars

**Harold A. Weaver, Gordon Chin, Timothy Y. Brooke, Nicholas Biver, Domin. Bockelee-Morvan, J. Crovisier, John Davies, Sang J. Kim, John Rayner, William D. Vacca**

Organic Species in Comet McNaught-Hartley (C/1999 T1)

**Andrew S. Rivkin, David Trilling, Jim Bell**

Infrared Spectroscopy of Deimos Using SpeX

**Qingfeng Zhu, John H. Lacy, Daniel Jaffe, Matt Richter**

Mid-Infrared Ionic Line Observations of Ultracompact H II Regions

**Michael Gregg, Robert Becker, Mark Lacy, Patrick Hall, Richard White**

Infrared Bright, Optically Hidden Quasars

**Andy Fruchter, James E. Rhoads**

Gamma-Ray Bursts and Their Host Environments

**Keven Uchida, William J. Forrest, Dan M. Watson**

Mid-Infrared Observations of Protostellar and Protoplanetary Disks in Ophiuchus

**Joshua P. Emery, Robert H. Brown**

Near-Infrared Spectroscopy of Trojan Asteroids