

## Fall 2000 Applications Awarded Time

**Pierre Drossart, J. H. Waite, Glenn Orton, Th. Fouchet, Th. Widemann, R. Gladstone, Kevin H. Baines**  
Structure of Jupiter and Saturn from the Stratosphere to the Ionosphere

**Caitlin Griffith, John Rayner**  
Characterizing Titan's Clouds

**Richard Binzel, Schelte J. Bus**  
Near-Earth Objects: A Population and Exploration Assessment

**Jack E. P. Connerney, Takehiko Satoh**  
Long-Term Observation of Jupiter's Magnetosphere Using NSFCAM Images of  $H_3^+$

**Tracy Beck, Michal J. Simon**  
T Tau South and Haro 6-10 North: Variably Obscured Stars<sup>2</sup>

**Glenn Orton, Brendan Fisher, P. Yanamandra-Fisher**  
Observations of Jupiter for Galileo and Cassini Support

**Glenn Orton, P. Yanamandra-Fisher**  
Time-Evolution Observations of Jupiter for Galileo and Cassini Support

**Theodor Kostiuk, Frank Schmuelling, Timothy A. Livengood**  
Jovian Thermal IR Aurora and the Solar Cycle: A Long Term Study

**James Bauer, Karen J. Meech, Tobias Owen, Yanga Fernandez, Jana Pittichova**  
NIR Spectroscopy of Centaurs and Outer Planet Satellites

**I. Neill Reid, David Koener, J. D. Kirkpatrick**  
3 to 5  $\mu m$  Photometry of Ultracool Dwarfs

**I. Neill Reid, David Koener, J. E. Gizis**  
A Search for Brown Dwarf and Super-Jovian Companions to Ultracool Dwarfs

**Federick M. Walter, William Sherry, Scott Wolk**  
Brown Dwarfs in the Orion OB1 a and b Associations

**George Bendo, Robert D. Joseph**  
Star Formation in a Representative Sample of Spiral Galaxies

**F. Poulet, Dale P. Cruikshank, J. Cuzzi, Ted Roush**  
Near-Infrared Spectroscopy of Saturn's Rings

**David K. Lynch, Ray W. Russell**  
High S/N Search for 3-13  $\mu m$  Dust Emission Features in C/1999 T1 (McNaught-Hartley)

**John Rayner, Michael Cushing, William D. Vacca**  
Spectroscopy of Cool Stars and Brown Dwarfs

**Miwa Goto**  
Pin Pointing Formation Site of Carbon Dust in the Egg Nebula

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

Trace Molecules in the Upper Atmospheres of Jupiter and Saturn

**Michael E. Ressler, Gerry Neugebauer**

Photometric Calibration of Selected Mid-Infrared Standard Stars

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

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

**Joseph Harrington, Drake Deming, Gordon Bjoraker**

Thermal Waves, Convection, and Bolometric Heat Flux on Jupiter

**Laurence M. Trafton, John H. Lacy, Steve Miller**

Observations of Pure-Rotational  $H_2$  and  $H_3^+$  Lines in the Spectra of Jupiter and Uranus

**Dimitar D. Sasselov, Sara Seager, Robert Noyes**

The Helium Exosphere of Extrasolar Planet HD 209458b

**James Muzerolle, Kevin Luhman, Lee Hartmann, Nuria Calvet**

Near-Infrared Spectra of Young Stellar Objects: Probing Disk Evolution

**John H. Lacy, Thomas Greathouse, Matt Richter**

Sorting Out IRc2: Infrared Spectroscopy of SiO Emission

**John H. Lacy, Matt Richter, Thomas Greathouse, Daniel Jaffe**

Texas Echelon Cross Echelle Spectrograph Engineering

**Lisa Prato, John Rayner, Christopher M. Johns-Krull**

Spectroscopy of Embedded Young Star Photospheres

**David Shupe, Carl Grillmair, Michael E. Ressler**

SIRTF Request for Mid-Infrared Photometry of Calibrator Stars

**David J. Osip, James L. Elliot, John Rayner**

Probing Titan's Atmosphere Prior to Cassini/Huygens: Occultation of NV0334356+165501

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

Carbon Dioxide on the Uranian Satellites?

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

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

**John R. Spencer, Robert R. Howell, Leslie A. Young**

Spectroscopy of Io During Jupiter Eclipse and Occultation: Investigating the Atmospheres of Io and Jupiter

**John R. Spencer, Julie Rathbun**

Io Volcanic Activity During the Cassini Flyby

**Matt Richter, Daniel Jaffe, Geoff A. Blake**

Hook 'em Horns:  $H_2$  Emission from Protostellar Disks

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

Near Infrared Spectroscopy of Type Ia Supernovae using SpeX

**Carey M. Lisse, Michael E. Ressler, Yanga Fernandez**

Thermal Emission From the Nuclei and Dues of Oort Cloud Comets

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

Five Micron Spectra of Saturn: Variation of Tropospheric Phosphine

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

Molecular Abundances in Comet LINEAR (C/1999 S4)

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

A Quest for High Redshift Quasars and Brown Dwarfs

**Cynthia S. Froning, Knox S. Long**

Probing Accretion Disk Structure With NIR Spectroscopy of Cataclysmic Variables

**Andy Fruchter, James E. Rhoads**

Gamma-Ray Bursts and their Host Environments

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

H<sub>2</sub>O Ice Temperatures and Thermal Inertias on Satellites and Ring Particles

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

The Organic Composition of C/1999 S4 Linear, and Comparison with other Oort Cloud Comets

**Amanda S. Bosh, James L. Elliot, John Rayner**

The Occultation of U0006 by Uranus and Its Ring

**Timothy Y. Brooke, Kristen Sellgren, Karl Stapelfeldt**

New H<sub>2</sub>O Ice Band Features and Spectra of Edge-On Disks with SpeX

**Drake Deming, Gunter R. Wiedemann, Jeremy Richardson**

Infrared Secondary Eclipse Measurements of the 'Transiting Planet'

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

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

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

Near-Infrared Spectroscopy of Trojan Asteroids

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

Mid-Infrared Spectroscopy of Molecular Gas Around Protostars with R=100,000

**Jay Goguen**

Evidence for a Non-thermal Component of Io's Hot Spot Emission using SpeX

**Karl Gordon, Chad Engelbracht, Geoffrey Clayton**

The 3.3  $\mu\text{m}$  Infrared Emission Feature in Starburst Galaxies

**Gordon Bjoraker, Glenn Orton, Tilak Hewagama**

Mapping H<sub>2</sub>O and NH<sub>3</sub> on Jupiter i Support of Cassini

**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

**Bruce A. Wilking, Thomas P. Greene, Michael Meyer**  
Young Brown Dwarfs and the Mass Function of the NGC 1333 Cluster

**Almudena Alonso-Herrero, Valentin D. Ivanov, Alice Quillen, G. H. Rieke**  
Dientangling the Stellar and Non-stellar Infrared Emission of Seyfert Galaxies

**Thomas P. Greene, Steve Stahler, Karl E. Haisch, Jr.**  
A Survey of Protostellar Binaries

**David Trilling, Robert H. Brown**  
Continued Coronagraphic Study of Debris Disks around Stars with Known Extrasolar Planets

**Alan N. Stockton, Gabriela Canalizo, William D. Vacca**  
A Search for Old Galaxies and Rich Clusters at  $z \sim 1.5$

**Eric E. Becklin, Richard D. Schwartz, Ben M. Zuckerman**  
Spectral Confirmation of Pleiades Superplanets and Brown Dwarfs at the Deuterium-Burning Limit

**William D. Vacca, John Rayner, Werner Schmutz**  
Near-Infrared Spectroscopy of the Massive X-ray Binary Cyg X-3

**Therese A. Encrenaz, Glenn Orton, Emmanuel B. Lellouch**  
A Search for Tropospheric PH<sub>3</sub> and CO on Uranus and Neptune

**William D. Vacca, John Rayner, Andrew Pickles, Michael Cushing**  
A Near-Infrared Spectral Library

**Robert D. Joseph**  
Infrared Spectroscopy of Luminous Infrared Galaxies

**Jay Goguen, Torrence V. Johnson, Dennis L. Matson, Glenn J. Veeder, Diana L. Blaney**  
Galileo and Cassini Support: Mid-IR Global Radiometry of Io during the Cassini Encounter Period