

Spring 2004 Applications Awarded Time

Tony Lynas-Gray, Tom Stallard, Steve Miller, Greg Harris, Jonathan Tennyson
H₃⁺ Absorption Lines in the Atmospheres of Extremely Low Metallicity Stars

Jan Cami, Andrew Mattioda, Els Peeters, Farid Salama, Lou Allamandola,
Pascale Ehrenfreund
Search for NIR Electronic Transitions of Large PAHs in the Interstellar Medium

Martin Elvis, Margarita Karovska, Martin Ward, Bradley Peterson, Kirk Korista,
Massimo Marengo, Norman Murray
AGN Solutions from Near-IR Paschen & Brackett Lines

Tohru Nagao, Masatoshi Imanishi, Takashi Murayama, Yoshiaki Taniguchi
Nuclear Star-Forming Activities in Narrow-Line Seyfert 1 Galaxies

Mirel Birlan, Antonella Barucci, Marcello Fulchignoni, Schelte J. Bus
**Near-IR Spectroscopy of the Asteroids 437,1393, 1714, 2513, 2867, 3050, 3418
Potential Targets of Rosetta**

Adam J. Burgasser, Michael W. McElwain, J. Davy Kirkpatrick
Spectroscopic Followup of 2MASS T Dwarf Candidates with SpeX

Dale P. Cruikshank, Joshua P. Emery, Giancarlo Belluci, E. D'Aversa, V. Formisano,
Robert H. Brown
**Spectroscopic Measurement of Condensation of SO₂ frost on the surface of Io
during Eclipse**

Paul S. Hardersen, Paul A. Abell, Michael J. Gaffey
Detailed Spectral Survey of Additional M-Asteroids

F. Leone, William D. Vacca
Investigating the Orientation and Origin of Magnetic Fields in MCP Stars

Paul A. Price, Daniel E. Reichart, Melissa Nysewander, Jane Moran, Arne A. Henden,
G. Grant Williams, Donald Q. Lamb, Hye-Sook Park, Ron Canterna, Sylvio Klose,
Dieter H. Hartmann
Probing Star Formation at High Redshift Using GRBs

Styliani Kafka, Steve Howell, Thomas Harrison, Kent Honeycutt
Secondary Stars in CVs and the Mass Transfer Rate

Alice Quillen, Stephen Thorndike, Marc Kassis, Almudena Alonso-Herrero, Joseph L.
Hora, Lynne K. Deutsch, Paulina Lira, Masatoshi Imanishi
Mid-Infrared Imaging of Seyfert 2 Galaxies

Charles E. Woodward, David E. Harker, Joseph L. Hora, Diane Wooden,
Michael S. Kelley

A Study of Three Long Period Comets with MIRSI

Therese A. Encrenaz, Emmanuel Marcq, Mirel Birlan

Venus: A Study of the Lower Atmosphere through IR Spectroscopic Monitoring

Alan W. Harris, M. Muller, Schelte J. Bus, M. Delbo, Lynne K. Deutsch,
Joseph Adams, Marc Kassis, Joseph L. Hora

Thermal Properties of NEAs from Phase-Angle-Dependent Color Temperature

Masatoshi Imanishi, Keiichi Wada

The Unification Paradigm for Seyfert 1 and 2 Galaxies

Leslie A. Young, William M. Grundy, Eliot Young

Infrared Spectral Evidence for Global Change on Triton

M. Mueller, Alan W. Harris, Schelte J. Bus, M. Delbo, Lynne K. Deutsch,
Joseph Adams, Marc Kassis, Joseph L. Hora

The Physical Nature of Two Key Near-Earth Asteroids

Tom Stallard, Steve Miller, Laurence M. Trafton, Michele Dougherty, Nick Achilleos
**Ion Winds in Saturn's Auroral/Polar Region: Observations in Support of the
Cassini Mission**

Tom Stallard, Steve Miller, Laurence M. Trafton, Tom Geballe

Dynamics in the Uranian Ionosphere: A Unique Planetary Magnetic Configuration

Edward F. Tedesco, Schelte J. Bus, William Bottke, Don Davis, Alberto Cellino,
M. Delbo, Alessandro Morbidelli, Lynne K. Deutsch, Joseph L. Hora, Joseph Adams,
Marc Kassis

11.7 μm Radiometry of Near-Earth Asteroids and their Progenitors

Alice Quillen, Stephen Thorndike, Ari Laor, Almudena Alonso-Herrero, Ed Moran,
Bradley Peterson, Paulina Lira, Alex Fillipenko, Dani Maoz, Luis Ho

**Measuring the Size of the Dusty Torus in the Extremely Low Luminosity Seyfert
NGC 4395**

Karen S. Bjorkman, John P. Wisniewski, Jon E. Bjorkman, Alex C. Carciofi

Searching for Circumstellar Disks Around Be Stars in Clusters

David Turnshek, Sandhya Rao, Daniel Nestor, Eric Monier

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

James Bauer, Bonnie Buratti, Michael Hicks
Cassini VIMS Saturnian Satellite Targets at 2.0 to 4.2 μm : Final Pre-Encounter Observations

Beth E. Clark, Andrew S. Rivkin, Schelte J. Bus
Spectroscopy of E-Class Asteroids

Beth E. Clark, Alan W. Harris, Schelte J. Bus, Andrew S. Rivkin, M. Mueller
Albedo Measurements of X-Class Asteroids

Daniel Britt
Space Weathering on S-type Asteroids

K. Cruz, I. Neill Reid
The Coolest, Nearest L Dwarfs

William J. Forrest, Joseph L. Hora, Elise Furlan, Dan M. Watson, Lynne K. Deutsch, Keven Uchida, Marc Kassis
Characterizing Young Stellar Objects in Ophiuchus in the Mid-Infrared

Theodore Simon, John Rayner, William D. Vacca
Anomalous A0V Stars

Glenn Orton, Brendan Fisher, P. Yanamandra-Fisher
Weather and Climate Variability in Saturn: Support for Cassini Approach Science

Andrew S. Rivkin, Eric Volquardsen, Schelte J. Bus
Mapping the Hydrated Mineral Distribution of the Asteroid Belt

Eric Volquardsen, Andrew S. Rivkin
Search for 3-micron Absorption in Near Earth Asteroid Spectra

Alan Tokunaga, Schelte J. Bus, Michael Hicks
Mid-IR Observations of Goldstone/Arecibo Planetary Radar Target Asteroids

Richard Binzel, Andrew S. Rivkin, Schelte J. Bus
Investigation of a possible Mars-Crossing Asteroid Family

Adam J. Burgasser, J. Davy Kirkpatrick, Sebastien Lepine, I. Neill Reid, John E. Gizis, R. Michael Rich
Near-infrared Observations of the Coolest Subdwarfs

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

Neil Dello Russo, Michael J. Mumma, Michael DiSanti, Boncho Bonev, Karen Magee-Sauer, Erika Gibb, William Anderson
Hydrocarbon and Water Chemistry in Comets C/LINEAR (2002 T7) and C/NEAT (2001 Q4)

Stephen Eikenberry, Shannon Patel
Infrared SpeXtroscopy of Serendipitous Chandra X-ray Sources Near the Galactic Center

Eilat Glikman, Michael Gregg, Mark Lacy, David Helfand, Robert Becker, Richard White
A Near-Infrared Quasar Composite Spectrum

Christopher Gerardy, Peter Hoflich, G. Howie Marion, Robert Quimby, J. Craig Wheeler, Robert A. Fesen, Kenichi Nomoto
Near-Infrared Spectroscopic Evolution of Type Ia Supernovae

William M. Grundy, Leslie A. Young, Eliot Young
Is Ariel's CO₂ Ice of Magnetospheric Genesis? Test 1

William M. Grundy, Leslie A. Young, Eliot Young
Is Ariel's CO₂ Ice of Magnetospheric Genesis? Test 2

Wendy Lane, Aaron Cohen, N. E. Kassim, T. J. W. Lazio
Infrared Detection of High Redshift Radio Galaxy Candidates

Timothy A. Livengood, Theodor Kostiuik, Guido Sonnabend, Paul N. Romani, Kelly E. Fast, Tilak Hewagama, John Annen, Theodore Buhl
Distribution of Temperature and Ethane Concentration in Saturn's Summer Stratosphere

G. Howie Marion, Peter Hoflich, J. Craig Wheeler, Christopher Gerardy, William D. Vacca
Coordinated Multi-Wavelength Observations to Probe Supernova Physics

John Rayner, William D. Vacca, Michael Cushing, Michael Gregg, N. Forster Schreiber
A Near-Infrared Spectral Library

John Rayner, Michael Gregg, William D. Vacca, David Silva
SpeX Extension of the HST Next Generation Spectral Library

Yvonne Pendleton, Jacqueline Keane, Tom Geballe, Alan Tokunaga
IR Reflection Nebulae as Probes of Dust Chemistry in Star Forming Regions

Mark Sykes, Amy Lovell, Schelte J. Bus, Yan R. Fernandez, Edward F. Tedesco,

Larry A. Lebofsky, Joseph L. Hora, Lynne K. Deutsch, Nancy R. Adams, Marc Kassis
Thermal Studies of Surviving Terrestrial Protoplanets: Cres, Pallas, and Vesta

Alberto Rodriguez-Ardila, Mariani G. Pastoriza
Unveiling the [FeII] and H₂ Emission in Active Galactic Nuclei

L. A. Sromovsky, P. M. Fry
Spectroscopy and Imaging of Neptune, Triton, and Uranus with SpeX

Brian Stalder, Kenneth Chambers
Spectroscopy of Distant Radio Source Hosts with Bright Guide Stars

Adolf N. Witt, Uma P. Vijh, Tracy Smith, Karl Gordon
Near-Infrared Emission Features From PA Cations in Reflection Nebulae

Amanda S. Bosh, Richard G. French, Catherine B. Olkin, Joana L. Levine
Uranus' Ring-Plane Crossing: Stellar Occultation Observations

Schelte J. Bus, Jessica Sunshine
Near-Infrared Mapping of Silicate-Rich Asteroids in the Main Belt

Nancy Chanover, Gordon Bjoraker, Tilak Hewagama, Glenn Orton
Infrared Spectroscopy of Saturn: Establishing the Cassini Baseline

Michael Connelley, Alan Tokunaga, Bo Reipurth
Understanding the Binary Frequency of Class I YSOs: Follow-up Multiband Photometry

Michael DiSanti, Michael J. Mumma, Neil Dello Russo, Boncho Bonev,
Karen Magee-Sauer, Erika Gibb, William Anderson
The Volatile Carbon-Oxygen Chemistry of Comets C/2002 T7 (LINEAR) and C/2001 Q4 (NEAT)

Eliot Young, Mark Bullock, Therese A. Encrenaz
Observing Clouds in Venus's Lower Atmosphere

Michael Gregg, Eilat Glikman, Mark Lacy, Robert Becker
Infrared Bright, Optically Hidden Quasars

Carey M. Lisse, Michael A'Hearn, Alan Tokunaga, Yan R. Fernandez,
Lynne K. Deutsch, Joseph L. Hora, Marc Kassis
Optical/Infrared Survey Observations of Comets C/2001 Q4, C/2002 T7, and C/2003 K4

Robert Novak, Michael J. Mumma, Michael DiSanti, Boncho Bonev
Mapping of Ozone and Water (HDO, H₂O) on Mars; Filling a Gap in L_s

Stephen Eikenberry, Jessica Lavine, John-David Smith
Infrared SpeXtropy of Serendipitous Chandra X-ray Sources Near the Galactic Center

N. A. Levenson, William D. Vacca, James R. Graham, M. Elitzur
Quantifying Obscuration and Reprocessing in AGN

Karen Magee-Sauer, Michael J. Mumma, Michael DiSanti, Neil Dello Russo,
Boncho Bonev, Erika Gibb
CSHELL Observations and Characterization of Nitriles in Comets T7 and Q4

Julia Silge, Karl Gebhardt
An Infrared Fundamental Plane of Bulges

Harold A. Weaver, Gordon Chin, Timothy Y. Brooke, Sang Joon Kim, Nicholas Biver,
Domin. Bockelee-Morvan, J. Crovisier
CO and Other Volatiles in C/2001 Q4 (NEAT) and C/2002 T7 (LINEAR)

Diane Wooden, David E. Harker, Charles E. Woodward, Michael S. Kelley
Correlations between Grain Properties and Distributed CO in Comets Q4 and T7?

Donald Lubowich, Lisa Elliot, John Lattanzio, Verne Smith
The Mystery of the Fluorine: F in Super-Li-Rich AGB Stars

William M. Grundy, John R. Spencer
Sensitive Search for CO₂ and Other Minority Species on Saturnian Satellites