

Fall 2003 Applications Awarded Time

Kevin Luhman

Near-IR Spectral Classification of Young Brown Dwarfs

Adam J. Burgasser, Michael W. McElwain, J. Davy Kirkpatrick

Spectroscopic Follow-up of 2MASS T Dwarf Candidates with SpeX

Charles E. Woodward, Sumner Starrfield, Mark Wagner,

SpeX ToO Nova Spectroscopy: CHANDRA/SIRTF Support Observations

Chad Bender, Michal J. Simon

Mass Ratio Distribution in Hyades Cluster Spectroscopic Binaries

K. Cruz, I. Neill Reid

The Coolest, Nearest L Dwarfs

B-G Andersson, Eric B. Burgh, Stephan McCandliss, David Neufeld

The Importance of Formation Excitation in H₂

Vladimir A. Krasnopolsky, Matt Richter, John H. Lacy, Thomas Greathouse

Mapping of O₂ Dayglow, CO, and Search for SO₂ on Mars

Terry J. Jones, Charles E. Woodward

Infrared Imaging Polarimetry of Comets

David Turnshek, Sandhya Rao, Daniel Nestor, Eric Monier

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

Glenn Orton, P. Yanamandra-Fisher

Weather and Climate Variability in Saturn: Cassini Atmospheric Investigation Support

Charles E. Woodward, Diane Wooden, David E. Harker

HIFOGS Spectroscopy of Comets 2P/Encke and C/2002 T7 (LINEAR)

Alan N. Stockton, Gabriela Canalizo, Michael C. Liu

Selection of Early-Type Galaxies at High Redshifts

Amanda S. Bosh, Catherine B. Olkin, Richard G. French, Colleen A. McGhee, James L. Elliot, John Rayner, Stephen E. Levine

Saturn before Cassini: The Occultations of S0319 and S0322

Jonathan Williams, Alan Tokunaga, Lynne K. Deutsch, Joseph L. Hora, Joseph Adams, Marc Kassisi

MIRSI Observations of Young Stellar Clusters in Monoceros

Heidi B. Hammel, David K. Lynch, Ray W. Russell

3-13 μ m Spectroscopy of Uranus and Neptune

Peter R. Allen, I. Neill Reid

Wide Substellar Companions to Low-Mass Stars: Spectroscopic Follow-up

Alice Quillen, Almudena Alonso-Herrero, Marc Kassisi, Joseph L. Hora, Lynne K. Deutsch, Paulina Lira, Masatoshi Imanishi

Mid-Infrared Imaging of Seyfert 2 Galaxies

Masatoshi Imanishi, Kentaro Aoki, Keiichi Wada

The Unification Paradigm for Seyfert 1 and 2 Galaxies

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

M-Asteroids: The Continued Search for Weak Spectral Features on Previously "Featureless" Asteroids

Ann L. Sprague, Johan Warell, Joshua P. Emery

Mercury Observations Using SpeX

Cynthia S. Froning, Edward L. Robinson

The Mass of the Black Hole in A0620-00

Mirel Birlan, Antonella Barucci, Schelte J. Bus, Marcello Fulchignoni
Groundbased Near-IR Spectroscopy for 1 Ceres, 42 Isis, and 140 Siwa, Targets of Space Missions

W.P.S. Meikle, Robert D. Joseph, John Rayner, Monica Pozzo, S. Mattila
Infrared Study of the Nearby Type II Supernova 2002hh

Herve Aussel, Michael C. Liu, Pierre-Olivier Lagage
A New Sample of Stars with Warm Circumstellar Dust

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

Mirel Birlan, Elisabetta Dotto, Alessandro Rossi, Marcello Fulchignoni, David Nesvorny, Antonella Barucci
Near IR Spectroscopy of the Karin Young Family of Asteroids

Frederick M. Walter, Tracy Beck, Jon A. Morse
The Orbit and Masses of HD 28867 E

Thierry Fouchet, Thomas Greathouse, Bruno Bezard, John H. Lacy
Measurement of the $^{15}\text{N}/^{14}\text{N}$ Ratio in Saturn

Pilar Montanes Rodriguez, Enric Palle Bago
Infrared Earthshine: Earth as a Star – Climate and Extra-Solar Planets

William Herbst, Catrina Hamilton, Terrence W. Rettig, Kevin Walsh
Search for Molecules in the Structured Disk Surrounding KH15D

Mukremin Kilic, Donald E. Winget, Ted von Hippel, Didier Saumon
Finishing the Job: Oxygen Abundances in Cool White Dwarfs

Michael K. Shepard, Beth E. Clark
Rotationally Resolved Spectra of Asteroid 2100 Ra-Shalom

Timothy Y. Brooke, Kristen Sellgren
Ice Absorption Features toward Young Stellar Objects

Jose Cernicharo, J. P. Fonfria, John H. Lacy, Matt Richter
A Search for Heavy Hydrocarbons in the Proto-Planetary Nebula CRL618

Michael Cushing, John Rayner, William D. Vacca, Mark S. Marley
Near-Infrared Spectroscopy and L'-band Photometry of L and T Dwarfs

Drake Deming, Joseph Harrington, Jeremy Richardson, Sara Seager
4-Micron photometry of the Secondary Eclipse of HD 209458b

Yan R. Fernandez, David Schleicher, Carey M. Lisse
Reflectance Spectroscopy of Comet 2P/Encke's Nucleus During its Close-Approach

Kelly E. Fast, Theodor Kostiuik, Timothy A. Livengood, John Annen, Fred Espenak, Tilak Hewagama
Seasonal Ozone Variation and the Stability of the Martian Atmosphere

Yan R. Fernandez, Schelte J. Bus, David Schleicher, Lynne K. Deutsch, Joseph L. Hora, Marc Kassis
The Nucleus of Comet 2P/Encke in the Thermal Infrared

Andy Fruchter, James E. Rhoads, Javier Gorosabel, Nial Tanvir
Gamma-Ray Bursts and Their Host Environments

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

Michael Gregg, Mark Lacy, Eilat Glikman, Robert Becker, Richard White, David Helfand
Infrared Bright, Optically Hidden Quasars

James Jackson, Ronak Y. Shah, Robert Simon, Kathleen Kraemer, Marc Kassis, Lynne K. Deutsch, Joseph L. Hora
Star Cluster Formation: Detecting Substructure in an Infrared Dark Cloud

Mark Lemmon

Titan's 5- μ m Opposition Effect

Timothy A. Livengood, Theodor Kostiuk, Tilak Hewagama, Paul N. Romani, Kelly E. Fast, John Annen, David Buhl, Guido Sonnabend

Ethane in Saturn's Stratosphere on the Eve of the *Cassini* Mission

Elisha Polomski, Michael L. Sitko, David K. Lynch, Ray W. Russell

Mid-IR Spectroscopy of FU Orionis Systems

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

A Near-Infrared Spectral Library

Julie Rathbun, John R. Spencer

Monitoring Activity at Loki, Io Using Occultations by Jupiter

Daniel Britt

Space Weathering on S-type Asteroids

Jack E. P. Connerney, Takehiko Satoh

Long-Term Observation of Jupiter's Magnetosphere Using NSFCAM Images of H₃⁺

Tracy Beck

Probing the Nature of Variable Class I Pre-Main Sequence Stars

William M. Grundy, John R. Spencer, Leslie A. Young, Eliot Young

Distribution of CO₂ Ice on Ariel and Other Uranian Satellites

Faith Vilas, Paul A. Abell, Michael S. Kelley, T. Alan Clark

Compositional Study of Muses-C Target Asteroid

Michael S. Kelley, Michael J. Gaffey

Compositional Investigation of Dynamical Families with Uncommon Classes of Asteroids

August Muench, James Muzerolle, Charles J. Lada

Thermal Infrared Spectra of Candidate Protostellar Objects in the Trapezium Cluster

Keith S. Noll, Sang Joon Kim, Soojong Pak, Tom Geballe

Mesospheric Temperatures of Jupiter and Saturn from the $\nu_3+\nu_4+\nu_4$ Band of CH₄

Robert Novak, Michael J. Mumma, Michael DiSanti, Boncho Bonev, Sheryl Swaab, Timothy Dunne

Seasonal Relationship of Ozone/Water on Mars; Filling a Gap in L_s

Tae-Soo Pyo, Masahiko Hayashi, Naoto Kobayashi, Alan Tokunaga

[FeII] 1.644 μ m Spectroscopic Survey of Embedded Low Mass YSOs in TMC

Matt Richter, John H. Lacy, Daniel Jaffe, Geoff A. Blake

The TEXES 15 M_{Earth} H₂ Survey: Run 3 of 4

Dawn E. Peterson, S. Thomas Megeath, Peter R. Allen, Judith L. Pipher, Michael Cushing, John Rayner

Near-Infrared Selected Brown Dwarf Candidates Near Protostars in OMC2/3

Kurt D. Retherford, R. Gladstone, Eliot Young, Leslie A. Young

Spectroscopic Search for Jovian c-C₃H₆⁺ Aurora

Alberto Rodriguez-Ardila, Mariani G. Pastoriza

Unveiling the [FeII] and H₂ Emission in Active Galactic Nuclei

John R. Spencer, Kandis Lea Jessup, Matt Richter, Emmanuel B. Lellouch, Miguel Lopez-Valverde

Variability of Io's Atmosphere in Space and Time

Leslie A. Young, James L. Elliot

Triton's Evolving Atmosphere from Stellar Occultations

T. K. Sridharan, Murray F. Campbell, Lynne K. Deutsch, Joseph L. Hora

Mid-IR Study of High-Mass Protostellar Candidates

T. K. Sridharan, Masao Saito, H. Beuther, Lynne K. Deutsch, Joseph L. Hora

Internal Structure of High-Mass Starless Cores

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

11.7 μ m Radiometry of Near-Earth Asteroids and their Progenitors

Alan Tokunaga, Schelte J. Bus, Michael Hicks

Size and Albedos of Near-Earth Asteroids (NEAs)

Carey M. Lisse, Michael A'Hearn, Alan Tokunaga, Yan R. Fernandez, Lynne K. Deutsch, Joseph L. Hora, Marc Kassis

A Long-Term Optical/Infrared Photometric Survey of Cometary Dust and Nuclei

David Klassen, David Glenar, Jim Bell, Diana L. Blaney, Gordon Bjoraker

NIR Spectral Imaging of Martian Condensate Clouds

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

Infrared Spectral Evidence for Global Change on Triton