

## **IRTF Proposal Accepted for 2006 Spring Semester**

**Eric Volquardsen, Andrew S. Rivkin**

Search for 3 micron Absorption in Near Earth Asteroid Spectra

**Claud H. Sandberg Lacy, Derek Sears, Albert D. Grauer**

Mineralogy of Hera Spacecraft Targets

**Michael L. Sitko, Ray W. Russell, David K. Lynch, William J. Carpenter, Robin M. Kimes, Suellen M. Brafford**

0.4-13 Micron Spectrophotometry of the Comet 73P/Schwassmann-Wachmann 3

**Vladimir A. Krasnopolsky**

Photochemical Mapping of Mars

**Glenn Orton, Kevin H. Baines, Padma Yanamandra-Fisher, Paul Parrish**

Support for Cassini Saturn Atmospheric Science on Orbits 17-25

**Glenn Orton, Kevin H. Baines, Padma Yanamandra-Fisher, Paul Parrish**

Variability of Large-Scale and Anticyclonic Features in Jupiter's Atmosphere

**Terry J. Jones, Ludmilla Kolokolova**

Infrared Imaging Polarimetry of Comet 73P/Schwassmann-Wachmann at its Close Approach

**Michael K. Shepard, Beth Ellen Clark, Ellen S. Howell, Andrew S. Rivkin**

Observations of S/M/E Radar Targeted Asteroid

**Pierre Vernazza, Mirel Birlan, Marcello Fulchignoni, David Nesvorny**

Global Spectral Coverage of 832 Karin to Obtain a Compositional/Color Map

**Erika Gibb, Terrence W. Rettig, Sean Brittain**

Ices Toward Low Mass Young Stars in rho-Oph

**Bradley Peterson, Hermine Landt, Martin Elvis, Martin Ward**

Broad NIR Emission Lines in AGN: How Do They Vary?

**C. de Bergh, Alain Doressoundiram, Frederic Merlin, Antonella Barucci, Thais Mothe Diniz**

Rotationally-resolved Spectroscopy of the Bright Kuiper Belt Object 2005 FY9

**Andrew S. Rivkin, Eric Volquardsen, Schelte J. Bus**

Mapping the Hydrated Mineral Distribution of the Asteroid Belt

**Emmanuel Marcq, Therese A. Encrenaz, Bruno Bezaud, Mirel Birlan**

Spectro-imagery of Venus in near IR: A Search for Latitudinal Composition Variations

**William M. Grundy, Marc W. Buie**

Discriminating Volatile Transport from Changing Viewing Geometry on Pluto's Surface

**Frederick M. Walter, Tracy Beck**

The Orbit and Masses of HD 28867E. IV.

**Richard Binzel, Andrew S. Rivkin, Alan Tokunaga, Schelte J. Bus**

The MIT-Hawaii-IRTF Joint Campaign for NEO Spectral Reconnaissance

**Mukremin Kilic, Ted von Hippel, Sandy K. Leggett, Hugh Harris, Jim Liebert, Jeff Munn, Kurtis Williams, Donald E. Winget**

New Old White Dwarfs and the Age of the Galaxy

**David K. Lynch, Richard J. Rudy, Ray W. Russell, Charles E. Woodward**

Periodic SpeX Observations of Galactic Novae

**Thais Mothe Diniz, David Nesvorny**

NIR Spectroscopy of the only known D-type Asteroid Family

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

Near-Infrared Spectroscopy of Trojan Asteroids

**J. Davy Kirkpatrick, Dagny Looper, Roc Cutri, Adam J. Burgasser**

Classifying Discoveries from a Large-area Near-infrared Proper Motion Survey

**Paul A. Price, Brian P. Schmidt, Derek Fox, Shri Kulkarni, Edo Berger**

Searching for High Redshift Gamma-Ray Bursts

**Kevin Luhman**

Bolometric Corrections of Young, Low-mass Stars and Brown Dwarfs: Boring but Important

**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

**Emily Schaller, Henry Roe, Michael Brown**

Titan's Methane Meteorology: Context for Cassini Titan Flybys T11-T14

**Nancy Chanover, Gordon Bjoraker, Tilak Hewagama**

Simultaneous Cassini and IRTF Spectroscopy of Saturn

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

Infrared Spectral Evidence for Global Change on Triton

**Mark Lacy, Anna Sajina, Lisa Storrie-Lombardi, Lee Armus**

Near-Infrared Properties of Type-2 Quasars Selected via their Spitzer Colors

**Luke Keller, Nirbhik Chitrakar, David Whelan, Marc Berthoud**

A Search for Emission from Gas Orbiting Herbig Ae/Be Stars

**Adam J. Burgasser, Sebastien Lepine, Michael Shara, J. Davy Kirkpatrick**

A Search for Ultracool Late-M and L Subdwarfs in the LSPM-North Catalog

**Adam J. Burgasser, Michael W. McElwain, J. Davy Kirkpatrick, Chris Tinney**

SpeX Spectroscopy of a Complete Sample of T Dwarfs

**Shoko Ohtsuki, Munetaka Ueno, Takeshi Iwamura, Hideo Sagawa, Naomoto Iwagami**

Imaging Spectroscopy of the Venus 1.27- $\mu\text{m}$  O<sub>2</sub> Airglow on the Nightside II

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

Investigating the Spectral and Mineralogical Diversity of the M-Asteroid Population

**Ellen S. Howell, Chris Magri, Andrew S. Rivkin**

Rotationally Resolved 3-micron Spectroscopy of 105 Artemis: Correlation with Radar Observations

**R. Y. Shuping, Ka Chun Yu, Marc Kassis, William D. Vacca**

Characterizing the Brightest Members of the W40 Embedded Cluster

**Laurence M. Trafton, D. M. Shemansky**

Survey of Jupiter's non-LTE Thermospheric H<sub>2</sub> Emission

**Hideo Sagawa, Munetaka Ueno, Takeshi Iwamura, Jun Nishikawa, Shoko Ohtsuki**

Speckle Observations to Detect the Microstructure in the Venusian Clouds. II

**Alan Tokunaga, Richard Binzel, Andrew S. Rivkin, Schelte J. Bus**

The MIT-Hawaii-IRTF Joint Campaign for NEO Spectral Reconnaissance

**Bin Yang, David Jewitt**

Physical Properties of Jovian Trojans in the Near Infrared

**Tom Stallard, Steve Miller, Makenzie Lystrup, Laurence M. Trafton**

Detailed Studies of the Jovian Aurora

**Edward F. Tedesco, Schelte J. Bus, Eric Volquardsen, William Bottke, Don Davis, Alberto Cellino, Marco**

**Delbo, Alessandro Morbidelli, Joseph L. Hora, Marc Kassis, Joseph Adams, Eric Tollestrup**

11.7  $\mu\text{m}$  Radiometry of Near-Earth Asteroids and their Progenitors

**Kerri Donaldson Hanna, Ann L. Sprague, R. W. Kozlowski**

Mid-Infrared Comparative Spectroscopy of the Lunar and Mercurian Surface using MIRS

**Katelyn Allers, Daniel Jaffe**

Spectroscopic Follow-up of Young Brown Dwarfs and Low-mass Stars with Disks

**Ryan Campbell, Thomas Harrison**

Phase-Resolved Spectroscopy of the Cyclotron Features in Magnetic Cataclysmic Variables

**Mate Adamkovics, Imke de Pater**

Titan's Tropospheric Aerosol Distribution

**Michael J. Mumma, Robert Novak, Geronimo Villanueva, Boncho Bonev, Michael DiSanti, Tilak Hewagama**

Search for Local Sources of Methane and Water on Mars

**Kurt D. Retherford, G. Randy Gladstone, Eliot F. Young**

Search for Cyclopropenyl Io Emissions on Titan

**Catherine Buchanan, Chris O'Dea, Jack Gallimore, M. Elitzur, David Axon, Andrew Robinson, Stefi A. Baum**

The Origin of Thermally Re-radiated Emission in Seyfert Galaxies

**Neil Dello Russo, Ronald Vervack, Harold A. Weaver, Carey M. Lisse, Nicholas Biver, Domin.**

**Bockelee-Morvan, J. Crovisier**

The Chemical Composition of the Fragments of Recently Split Comet 73P/Schwassmann-Wachmann 3

**L. A. Sromovsky, Patrick M. Fry**

SpeX Observations of Uranus and Neptune

**Zhaohui Shang, Michael Brotherton, Daniel Dale, Dean Hines**

True Quasar SEDs and Improved Bolometric Corrections

**Michael DiSanti, Michael J. Mumma, Geronimo Villanueva, Boncho Bonev, William Anderson,**

**Karen Magee-Sauer, Erika Gibb**

The Volatile Organic Composition of Comet 73P / Schwassmann-Wachmann 3

**Timothy A. Livengood, Theodor Kostiuk, Kelly E. Fast, Paul N. Romani, Tilak Hewagama, John Annen,**

**David Buhl, Guido Sonnabend**

Evolving Distribution of Temperature and Ethane Concentration in Saturn's Stratosphere

**Jonathan Williams, Alan Tokunaga, Ronak Y. Shah, James Jackson**

MIRSI Observations of High Mass Star Forming Regions

**Kelly E. Fast, Theodor Kostiuk, Timothy A. Livengood, John Annen, Tilak Hewagama, Guido Sonnabend,**

**David Buhl**

Probing the Vertical Distribution of Ozone on Mars

**J. Allyn Smith, Terry D. Oswalt, Nicole M. Silvestri, Susana E. Duestua**

NIR Photometry of White Dwarfs in Wide Binaries

**Guido Sonnabend, Frank Schmulling, Theodor Kostiuk, Timothy A. Livengood, Kelly E. Fast, John Annen,**

**Tilak Hewagama, David Buhl**

Search for OCS in the Middle Atmosphere of Venus

**Robert Novak, Michael J. Mumma, Daniel Hansen, Constantine Makrides**  
Mapping of Ozone and D/H Ratio during Mars' Early Northern Spring

**Chad Bender, Michal J. Simon**  
Mass Ratio Distribution in Hyades Cluster Spectroscopic Binaries

**William T. Reach, Mark Lacy, Patrick Lowrance**  
Confirming Absolute Calibration of Spitzer Space Telescope

**Eliot F. Young, Mark Bullock, Tany Tavenner, Scot Rafkin**  
No Title (observing night side of Venus)

**Diane Wooden, Michael Kelley, David E. Harker, Charles E. Woodward**  
Linking Dust Properties with Cometary Activity: Multi-Epoch Imaging of C/12004 B1 and 73P/SW-3

**Michael Kelley, Joel A. Trainor, Michael J. Gaffey**  
Geology of Asteroid Dynamical Groups with Uncommon Taxonomies or Isolate Locations

**Yan R. Fernandez, Carey M. Lisse, William T. Reach, Mueller Beatrice E. A., Nalin H. Samarasinha, H. U. Kaufl, Michael A'Hearn, Tony Farnham, Mathew M. Knight, Walter M. Harris, Jeffrey P. Morgenthaler**  
Fragmented Comet 73P/Schwassmann-Wachmann3: A Rare Close Approach

**Guy Stringfellow, Frederick M. Walter, Peregrine McGehee, Marc Audard**  
Eruptive Young Stellar Objects: Infrared Spectra of EXORs in Quiescence & Outburst

**S. Thomas Megeath, E. Winston, Scott Wolk, Lori Allen**  
SpeXtral Typing of X-Ray Selected Young Stellar Objects in Serpens

**Eliot F. Young, William Merline, Clark R. Chapman, David Nesvorny, Peter Tamblyn**  
Spectroscopy of Very Young Dynamical Families of Asteroids

**Shoko Ohtsuki, Naomoto Iwagami, Hideo Sagawa, Noriyuki Ohira**  
Mapping of the Venus HCl Abundance above the Cloud Region

**Paul A. Abell, Paul S. Hardersen, Michael J. Gaffey, Vishnu Reddy**  
Continued Mineralogical Characterization and Albedo Determination of Near-Earth Objects

**Michael Brotherton, Cassandra Paul, Gabriela Canalizo, Zhaohui Shang**  
Near-IR Imaging of Post-Starburst Quasars: Host Galaxies and Interactions