

Spring 2016 Applications Awarded Time

Vladimir Krasnopolsky

Variations of Minor Constituents in the Martian Atmosphere

Andrew Rivkin, Joshua Emery, Ellen Howell

3-Micron Observations of B- and P-class Asteroids: How Do Spectral Slopes And Hydrated Minerals Relate?

Joshua Emery, Jim Bell, Mike Brown

Where did the Trojan asteroids form? Constraints from composition and size distributions

Eric Gaidos, Andrew Mann, Greg Feiden, Megan Ansdell

CALYPSO: Calibration of Low-mass Young stars and their Planetary Systems with Observations

Constantine Tsang, John Spencer, Thomas Greathouse

Los Sublimation Atmosphere: Density at Aphelion?

Gordon Bjoraker, Michael Wong, Tilak Hewagama, Brigitte Hesman

Water Clouds and Volatiles on Jupiter in Preparation for Juno

Therese Encrenaz, Thomas Greathouse, Matthew Richter, Curtis DeWitt, Pierre Drossart, Thierry Fouchet, Michael Janssen, Samuel Gulkis, Glenn Orton, Leigh Fletcher, Rohini Giles, Sushil Atreya, Vincent Boudon

Monitoring Jovian Dynamics: A 3D map of PH₃ and NH₃ using TEXES

Zachary Maas, Catherine Pilachowski

Chlorine Abundances in Thin and Thick Disk Stellar Populations

Michael Sitko, Stefan Kraus, Ray Russell

The Ejection of Bipolar Flows in Young A Stars with Weak Magnetic Fields: HD 163296

Andrew Mann, Adam Kraus, Trent Dupuy, Michael Ireland, Aaron Rizzuto

Weighing the Stars: the mass-luminosity-metallicity relation for M dwarfs

Sherry Fieber-Beyer, Paul Hardersen, Mike Gaffey

Compositional & Dynamical Studies of Asteroids Located In/Near the 3/1 Resonance

Bryan Holler, Leslie Young, Will Grundy, Cathy Olkin, Eliot Young, Bobby Bus, Jason Cook

Spectra of the large Kuiper Belt Objects 2003 AZ84 and 2002 MS4

Nicholas Moskovitz, Richard Binzel, Bobby Bus, Gareth Williams, Steven Chesley, David Polishook, Francesca DeMeo, Brian Burt, Mirel Birlan

IRTF NEO Rapid Response: Close Encounters of the Asteroid Kind

Glenn Orton, Thomas Momary, Kevin Baines, Padma Yanamandra-Fisher, James Sinclair, Leigh Fletcher, Patrick Irwin

Changes of Saturnian Cloud Structure: Support for the Cassini Atmospheric Investigation on Orbits 232-238

Alan Tokunaga, Francesca DeMeo, Richard Binzel, David Polishook, Mirel Birlan, Bobby Bus, Andrew Rivkin, Nicholas Moskovitz

Spectral Measurements of Spacecraft Mission Candidates and Potentially Hazardous Asteroids

David Polishook, Seth Jacobson

Demonstrating evidence of multiple YORP cycles by observing Mars Trojans

Glenn Orton, Thomas Momary, Kevin Baines, Padma Yanamandra-Fisher, James Sinclair, Leigh Fletcher, Patrick Irwin, Rohini Giles, Davide Grassi, Giuseppe Sindoni, Ricardo Hueso, Agustin Sanchez-Lavega

Characterizing the Evolution of Cloud Properties and their Relationship to Dynamics and Chemistry on the Eve of the Juno Mission

Brigitte Hesman, Donald Jennings, Pedro Sada, Allen Lunsford, Robert Boyle, Paul Romani, Gordon Bjoraker

Mapping Saturn's Northern Hemisphere Stratospheric Emission

Heather Kaluna, Vishnu Reddy, Joseph Masiero, James Bauer, Driss Takir

Spectral characterization of asteroids linked to the Euphrosyne asteroid family

Leslie Young, William Grundy, Bryan Holler, Eliot Young

Occasional Triton spectra 2013-2017 for rotational and seasonal variability

James Sinclair, Rohini Giles, Thomas Greathouse, Glenn Orton, Leigh Fletcher, Pat Irwin

Evolution of Jupiter's mid-infrared auroral related emission as a result of the solar cycle

Leigh Fletcher, Thomas Greathouse, Glenn Orton, Rohini Giles, James Sinclair, Patrick Irwin, Therese Encrenaz, Pierre Drossart

Mapping Jupiter's Climate on the Eve of Juno's Arrival

Adam Schneider, Michael Cushing, Davy Kirkpatrick

Young Brown Dwarfs in the Solar Neighborhood

Adam Schneider, Michael Cushing, Davy Kirkpatrick, Jennifer Greco

Characterizing Discoveries from the NEOWISE Proper Motion Survey

Glenn Orton, Thomas Momary, Padma Yanamandra-Fisher, Michael Janssen, Candice Hansen, James Sinclair, Leigh Fletcher, Jack Connerney, Takehiko Satoh, Scott Bolton, Alberto Adriani, Davide Grassi, Giuseppe Sindoni, George R. Gladstone, Stuart Stephens, Yasumasa Kasaba, Hajime Kita, Thomas Stallard, Takao Sato, James O'Donoghue, Thomas Stallard, Rosie Johnson, Henrik Melin, Agustín Sánchez-Lavega, Ricardo Hueso, Sebastián Domínguez, Sara Hueso, Sara Jean Kim, Thomas Farnham, Thomas
Characterizing Short-Term Variability in Jupiter's Aurora and Atmosphere During the Juno Approach Phase

Paul Corlies, Alexander Hayes, Patricio Rojo, Mate Adamkovics, Elizabeth Turtle, Sebastien Rodriguez, Jonathan Lunine

Continued investigation of seasonal changes in Titan's meteorology through cloud monitoring with IRTF SpeX

Rosie Johnson, Tom Stallard, Henrik Melin, Steve Miller, James O'Donoghue, Luke Moore, Glenn Orton

Determining the drivers of Jupiters aurora: support for the NASA Juno and JAXA Hisaki missions

Mark Swain, Robert Zelle, Aishwarya Iyer, Pierre Drossart

Origin of the Non-LTE Emission in HD 189733b

Francesca DeMeo, Alan Tokunaga, Richard Binzel, David Polishook, Mirel Birlan, Bobby Bus, Andrew Rivkin, Nicholas Moskovitz

Spectral Measurements of Spacecraft Mission Candidates and Potentially Hazardous Asteroids

Savan Becker, Paul Hardersen

Connecting the chondrites: near-infrared spectroscopy of high-albedo Cp-type asteroids

Evan Rich, John Wisniewski, Michael Sitko, Carol Grady, Misato Fukagawa, Jamie Lomax

Constraining the Duty Cycle of the Inner Disk of HD 163296

Adam Burgasser, Everett Schlawin, John Gizis, Joanna Teske

High-precision Spectral Variability of Brown Dwarfs Using Simultaneous Spectral Calibrators

Michael Shara, David Zurek, Andrej Zdziarski, Joanna Mikolajewska, Jacqueline Faherty

The masses of the stars in Cygnus X-3

Vishnu Reddy, Juan Sanchez, Diane Wooden

Physical Characterization of Small Near-Earth Asteroids

Dohyeong Kim, Myungshin Im

M_{BH} - σ * relation of red Active Galactic Nuclei [AGNs]

Emiliano D'Aversa, Fabrizio Oliva, Giuseppe Sindoni, Christina Plainaki, Michael Person, Robert W. Carlson, Glenn S. Orton, Shohei Aoki

Ganymede's Exosphere Detection by means of Stellar Occultation

Masateru Ishiguro, Yoonsoo Park, Yoonyoung Kim, Fumihiko Usui, Daisuke Kuroda, Hidekazu Hanayama

Thermal Properties of an Asteroid in Comet-like Orbit, 1984 QY1

Laurie E. U. Chu, Klaus Hodapp

Investigating Volatile Ices in Molecular Clouds in Preparation for JWST

Eric MacLennan, Joshua Emery

Regolith Effects on Asteroid Space Weathering: An Observational Investigation

Neil Cook, Ben Burningham, David Pinfield, Federico Marocco, Hugh Jones, J. Zhong, M. Gromadzki

A New Search for Ultra-Cool Companions to M dwarfs in WISE, 2MASS and SDSS

Taran Esplin, Kevin Luhman, Elijah Miller

Searching for the bottom of the IMF in Ophiuchus and RCrA

Carey Lisse, Mike Sitko, Christine Chen, John Rayner, B. Menard, O. Abisil, S. Ertel

SPEX Exosystem Characterization of Stars With CHARA/FLUOR H & K-band Excesses

Thomas Greathouse, Glenn Orton, Leigh Fletcher, Therese Encrenaz, Thierry Fouchet, Rohini Giles, Raul Morales-Jeberias, Rick Cosentino

Characterizing Wave Phenomena in Jupiter's Upper Atmosphere in the Thermal-IR

Calen Henderson, Charles Beichman, Geoff Bryden, Scott Gaudi, Matthew Penny, Radoslaw Poleski, Yossi Shvartzvald, Wei Zhu

Confirming Free-floating Planet Candidates Detected with K2

Timothy Sullivan, Bruce Wilking, Tom Greene, Fred Vrba

The Dynamical State of a Young Stellar Cluster

Nicholas Scott, Paul Nunez, Bertrand Mennesson, Michael Meyer, John Rayner

Detecting Hot Exozodiacal Dust Disks with SpeX

Francesca DeMeo, David Polishook, Benoit Carry, Mirel Birlan, Richard Binzel, Brian Burt, Tom Endicott

Determining the role of Mars in refreshing asteroid surfaces

Rachel Roberts, Michael Gaffey

Testing the Gefion Dynamical Asteroid Family as the Source of the L Chondrites

Benjamin Sargent, Sundar Srinivasan

The Metallicity of the OH/IR Star SCHB 145 in the Galactic Bulge from CSHELL

Will Fischer, Deborah Padgett

SpeX Spectroscopy of Candidate T Tauri Stars on the Outskirts of Ophiuchus

Michael Connelley, Bo Reipurth

A Comparative Study of FU Orionis Objects via a Complete Spectroscopic Survey

Kimberly Aller, Michael Liu, Eugene Magnier

Finding the Missing Substellar Members in Young Moving Groups

Courtney Dressing, Elisabeth Newton, David Charbonneau, Josh Schlieder

Characterizing Low-mass Stars Hosting Small Planets

Ian Wong, Michael Brown, Joshua Emery

Near-infrared Spectra of Bright Hilda Asteroids: Probing the Hilda-Trojan Connection

Marcel Popescu, Dan Alin Nedelcu, Ovidiu Vaduvescu, Javier Licandro, Mirel Birlan, Julia de Leon, Adrian Bruno Sonka

Spectral properties of near-Earth asteroids on cometary orbits

Jon Mauerhan, Schuyler van Dyk, Patrick Morris

Data-Mining GLIMPSE+2MASS for Galactic Wolf-Rayet Stars

Michael DiSanti, Boncho Bonev, Erika Gibb, Lucas Paganini, Michael Mumma, Geronimo Villanueva

Parent Volatile Abundances and Inner-Coma Physics in Comet C/2013 X1 [Pan-STARRS]

Ellen Howell, Ron Vervack, Yan Fernandez, Jenna Crowell, Sean Marshall, Chris Magri

Combining thermal observations and radar-derived shapes of near-Earth asteroids

Cathy Olkin, Bryan Holler, Will Grundy, Leslie Young, Eliot Young

Shrinking or Expanding Glaciers on Pluto: infrared spectra of Pluto after New Horizons

Stephanie Cazaux, Annemieke Petrignani, Alessandra Candian

The processing of PAH molecules in the Orion bar: an IRTF view

Susan Benecchi, Anne Verbiscer, David Rabinowitz, Will Grundy, Audrey Thirouin

Mutual Event Observations of the Kuiper Belt binary [79360] Sila-Nunam

Silvia Protopapa, Michael Kelley, Bin Yang, Jessica Sunshine, Michael A'Hearn, Jacqueline Keane

The Physical Properties of Water Ice in Comets

Ralph Shuping, William Vacca

Near-IR Observations of the Dense Sub-Cluster at the Core of the W40 Star Forming Region: Studying the Effects of High-Mass Stars on Low-Mass Star Formation.

Alexa Villaume, Charlie Conroy, John Rayner

Quality & Quantity: Assessing the Flux Calibration of the SpeX Pipeline

Daniella Bardalez Gagliuffi, Adam Burgasser, Jacqueline Faherty, Christopher Gelino, Johannes Sahlmann, Sarah Schmidt, Kelle Cruz, Nathalie Skrzypek

Volume-Limited Spectral Survey of Late M and L Dwarfs: Determining the Frequency and Separation Distribution of Very Low Mass Binaries through Spectral Blends

Theodor Kostiuk, Timothy Livengood, John Kolasinski, Tilak Hewagama

Mid-Infrared Aurora and Stratosphere of Jupiter Prior to Juno

Ron Vervack, Neil Dello Russo, Mike Kelley, Gerbs Bauer, Emily Kramer, Hideyo Kawakita

Probing the chemistry of comet C/2013 X1 [PanSTARRS] with SpeX and CSHELL

Hajime Kita, Takeshi Sakanoi, Yasumasa Kasaba, Glenn Orton, Chihiro Tao, Mizuki Yoneda, Masato Kagitani

Solar wind response of Jupiter IR aurora with monitoring EUV aurora by Hisaki/HST and solar wind by Juno

Kendra Kellogg, Stanimir Metchev

Searching for Unresolved L+T Binaries in an SDSS/2MASS/WISE Cross-match Survey

Peter Plavchan, Peter Gao, Jonathan Gagne, Russel White, Angelle Tanner, Guillem Anglada-Escude, Elise Furlan, Cassy Davison, Carolyn Brinkworth, David Latham, Michael Bottom, Chas Beichman, John A. Johnson, David R Ciardi, Kent Wallace, Bertrand Mennesson, Kaspar von Braun, Gautam Vasisht, Lisa Prato, Stephen Kane, Eric E. Mamajek, Bernie Walp, Timothy J. Crawford, Deborah S. Sawyer, Claire S. Conroy, Joseph C. Stepannik
Project NIRRVs: Precise Near-Infrared Radial Velocity Surveys Follow-up

Mark Willman, Bin Yang, Nicholas Moskovitz, Michael Marsset

Measuring Near Infrared Properties of Potentially Hazardous Asteroids

Cristina Thomas, Lucy Lim, David Trilling, Nicholas Moskovitz

Search for a Differentiated Asteroid Family

Guy Stringfellow

Spectral Identification of New Galactic LBV, WR, and WN Progenitor Stars of Mid-IR Nebulae
