

Fall 2012 Applications Awarded Time

Carey Lisse, Michael Sitko, Christine Chen, John Rayner, Damian Christian

An Ongoing SPeX Study of the Abundant Warm Circumstellar Dust in Nearby Planet Forming ExoSystems

Sherry Fieber-Beyer, Rachel Roberts, Mike Gaffey

Investigating the Gefion Asteroid Family as a Proposed Source of the L-Chondrite Meteorites

Hyunsung Jun, Myungshin Im

Weighing the most massive massive black holes in the Universe

Nicole Cabrera, Russel White, Cassy Davison, Xavier Delfosse, Anne-Marie Lagrange

Precise Radial Velocities of Young Stars Near Earth

Will Grundy

Sila-Nunam Mutual Events

Will Fischer, Manoj Puravankara, Charles Poteet, Tom Megeath, Dan Watson

Determining the Origin of Protostellar CO Emission with SpeX

Arlin Crotts

Diurnal Variation of Hydration of Lunar Regolith

Stanimir Metchev, Timothy Glotch, Ray Russell, Daryl Kim

A mid-IR spectroscopic survey of highly silicic features on the Moon

Will Fischer, Tom Megeath

Continued SpeX Monitoring of an Outbursting Protostar in Orion

Driss Takir, Josh Emery

Near-infrared Spectroscopy of Outer Main Belt Asteroids.

Elisabeth Newton, Jonathan Irwin, David Charbonneau, Zachary Berta, Barbara Rojas-Ayala, Kevin Covey, James Lloyd

Abundances of M dwarfs in the solar neighborhood

James ODonoghue, Tom Stallard, Henrik Melin, Steve Miller, Alberto Adriani, Jonathan Nichols, Maria Luisa Moriconi

A major contribution to the understanding of The Energy Crisis at Jupiter

Michael Lucas, Joshua Emery

A Search for Missing Mantle Material Among the Hungaria Asteroids

Erin Smith, Ted Snow, Yvonne Pendleton, Geoffrey A Blake

Survey of Molecular and Dust Absorption in Dense and Translucent Clouds

Henrik Melin, Tom Stallard, Steve Miller, James O, Larry Trafton

Characterizing the energy drivers in the upper atmosphere of Uranus

Vishnu Reddy, Lucille Le Corre, Andreas Nathues, Robert Stephens, Ralph Megna

Spectral Observations of Ceres to support NASA's Dawn mission

Thomas Greathouse, Glenn Orton, Michael Sussman, Julianne Moses

Characterizing Wave Phenomena in Jupiter's Stratosphere in the Thermal-IR

Melissa McClure, Laura Ingleby, Catherine Espaillat, Nuria Calvet

Composition and Height of the Inner Disk Rims of T Tauri Stars

Laurence Trafton, Steve Miller, Thomas Greathouse, John Lacy

Search for Mid-IR H₃⁺ Emission in Jupiter's Northern Aurora

Heather Bloemhard, Michelle Creech-Eakman, Mark Swain, Pieter Deroo

Supplementary Observation of TrES-3b

Emily Schaller, Henry Roe, Michael Brown

Titan's Methane Meteorology: Context for Cassini Flybys T86-T88

Chad Bender, Gail Schaefer, Michael Simon

Dynamical Observations of Hyades Cluster Spectroscopic Binaries

Flavia Luzia Jasmim, Daniela Lazzaro, Jorge Marcio Carvano, Thais Mothe Diniz

Mineralogical analysis of peculiar Qp asteroids

Florian Gourgéot, Christophe Dumas, Frederic Merlin, Pierre Vernazza

Surface characterization of the satellite Miranda with IRTF/Spex

Bin Yang, David Jewitt

Near Infrared Spectroscopy of Hilda Asteroids

John Gizis, Phil Castro

Nearby Brown Dwarfs Near the Galactic Plane

Richard Cartwright, Josh Emery, Andy Rivkin, David Trilling

Near-infrared spectroscopy of Uranian satellites

Eilat Glikman, Mark Lacy, Tanya Urrutia

An infrared survey for red quasars with WISE

James Muzerolle, Kevin Flaherty, Tracy Beck

Connecting Accretion Activity with Inner Disk Structure
in Close Binary T Tauri Stars

Michael Kelley, Dennis Bodewits, Jian-yang Li, Javier Licandro, Michael A'Hearn

Characterizing Space Weathering on Asteroid [596] Scheila

Kevin Flaherty, James Muzerolle

Are the fluctuations in normal protoplanetary disks the same as those seen in transition disks?: A comparative study of near-infrared variability.

Stephen Wolters, Paul Weissman, Sam Duddy

Physical Evolution of Asteroid Pairs

Michael Liu, Niall Deacon, Eugene Magnier, Kimberly Aller, William Best

Rare Brown Dwarfs in the Solar Neighborhood from Pan-STARRS-1

Leslie Young, William Grundy, Eliot Young

Triton's 2012 baseline for rotational and seasonal variability

Christopher Crockett, Lisa Prato, Christopher Johns-Krull

Detecting Extrasolar Planets in the First 3 Myr

Richard Binzel, Timothy Spahr, Steven Chesley, Schelte J. Bus, Mirel Birlan, F. E. DeMeo, D. Polishook, N. Moskovitz

IRTF NEO Rapid Response: Close Encounters of the Asteroid Kind

Richard Binzel, Alan Tokunaga, Francesca DeMeo, Andrew Rivkin, Mirel Birlan, S. J. Bus, D. Polishook, N. Moskovitz

Spectral Measurements of Spacecraft Mission Candidates and Potentially Hazardous Asteroids

Cassy Davison, Russel White, Justin Cantrell, Nicole Cabrera

A Search for Planets Around Mid M Dwarfs

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

Spectral Measurements of Spacecraft Mission Candidates and Potentially Hazardous Asteroids

Jacqueline Faherty, Sebastian Lepine, Andrew West, Anne Mennen, Daniel Dutcher

Understanding the Tail-end of Star Formation: New Wide Low Mass Binaries Detected in WISE

Jacqueline Faherty, Odette Toloza, John Gizis, Kelle Cruz, Emily Rice, Vicente Llanos

Pilot Program for Diversifying the Brown Dwarf Population through a near-IR Proper Motion Search

Ellen Howell, Ron Vervack, Yan Fernandez

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

Christine Trombley, Donald Figer

Measuring the High Mass Slope of the Initial Mass Function

David Trilling, Brian Burt, Andy Rivkin, Lucy Lim, Cristina Thomas, Josh Emery, Nick Moskovitz

SpeX observations of Mars Trojan asteroid [121514] 1999 UJ7: Unraveling a mystery in the early Solar System

Kimberly Aller, Adam Kraus, Michael Liu

A Search for Wide Planetary-Mass Companions in Star-Forming Regions

Constantine Tsang, John Spencer, Emmanuel Lellouch, Matthew Richter, Thomas Greathouse

Searching for the Expected Contraction of Io's Atmosphere in 2012

Kevin Luhman

Spectroscopy of Candidate Substellar Companions from WISE

Ryan Terrien, Suvrath Mahadevan, Rohit Deshpande, Chad Bender, Larry Ramsey

Spectroscopic Determination of M Dwarf Metallicities for a Precision Radial Velocity Survey

Adam Burgasser, Stan Metchev, John Gizis, Daniella Bardalez Gagliuffi, Daniel Apai

Cloud Formation at the M Dwarf/L Dwarf Transition: A Magnitude-Limited Survey

Junzhi Wang, Qingfeng Zhu, Zhiyu Zhang, Qiusheng Gu, Matt Richter, John Lacy

Molecular hydrogen S[2] line mapping toward SNR IC 443 B, C and G regions

Andrew Rivkin, Josh Emery, Eric Volquardsen

What is the distribution of ice and organics in C-complex asteroids?

Kevin Luhman

The Spatial Distribution of Brown Dwarfs in IC 348

Andrew Mann, Eric Gaidos, John Brewer

Full metal bracket: a calibration of infrared spectroscopic metallicities of M dwarfs over 1.5 dex

Andrew Mann, Eric Gaidos

The M Dwarf Mass-Radius-Metallicity Relation

Peter Plavchan, Guillem Anglada, Russel White, Cassy Davison, Peter Gao, David Ciardi, Angelle Tanner, Carolyn Brinkworth, Kaspar von Braun, Chas Beichman, John Johnson, Lisa Prato

A High-Precision Radial Velocity Survey for Young Planets [V]

Dan Alin Nedelcu, Mirel Birlan, Marcel Popescu

The missing V-type NEAs

Paul Hardersen, Amy Mainzer, Vishnu Reddy, Rakesh Nath

Investigating candidate Vestoid asteroids via the WISE dataset.

Emmanuel Marcq, Therese Encrenaz, Thomas Widemann, Emmanuel Lellouch

Investigating CO variability in the lower mesosphere of Venus using C-SHELL

L. Andrew Helton, William Vacca, Nye Evans, Charles Woodward, Frederick Walter

An Exploration of Dust and Molecule Formation and Destruction in the Dusty Nova V1280 Scorpii

Vladimir Krasnopolsky

Variations of Minor Atmospheric Constituents on Venus

Jonathan Gagne, Rene Doyon, David Lafreniere, Lison Malo, Etienne Artigau, M.E. Naud

Spectroscopic confirmation of candidate young low-mass stars and brown dwarfs in young moving groups

Michael Sitko, Ray Russell, Misato Fukagawa, Carol Grady, Arne Henden, D. Kim, A. Stefanko, A. Kathirgamaraju, R.B. Perry, S. M. Brafford, T. Motohide, J. Hornbeck, T. Muto, Ch. Thalmann, M. Feldt, Th. Currie, J. Hashimoto, M. Cure, A. Henden, R. Dong, J. Wisniewski, M. Momose, B. Biller, J.-m. Kwon

Probing the Inner Planet-Forming Disks with Joint Multiwavelength Spectral and Extreme Adaptive Optics Imaging Observations

Gordon Bjoraker, Mike Wong, Nancy Chanover, Tilak Hewagama

The Vertical Structure of Water Clouds on Jupiter in Preparation for Juno

John Lacy, Matthew Richter

Molecular Spectroscopy of NGC 7538 IRS 9: Understanding the Radiative Transfer

Glenn Orton, Thomas Greathouse, Leigh Fletcher

Jupiter's Altered State - Atmospheric Anomalies as Diagnostics of Dynamics and Chemistry: Support for the Juno Mission

David Polishook, Richard Binzel, Francesca DeMeo

Rotationally-resolved spectroscopy of asteroid pairs

Therese Encrenaz, Thomas Greathouse, Matthew Richter, John Lacy, Henry Roe, Bruno Bezard, Thierry Fouchet, Thomas Widemann

HDO and SO₂ thermal mapping on Venus mesosphere

Francesca DeMeo, Benoit Carry, Richard Binzel

A search for mantle material in the Main Asteroid Belt

Eric Gaidos, Andrew Mann, Eric Hilton

Infrared identification of metal-rich M dwarfs for exoplanet searches

Michael Sitko, Ray Russell, Stefan Kraus, Nuria Calvet, Catherine Espaillat, Carol Grady, John Monnier, Rafael Millan-Gabet, David Wilner

Coordinated Spectroscopic and Interferometric Observations of Young Stellar Disks with Planet-Cleared Gaps

Glenn Orton, Padma Yanamandra-Fisher, Kevin Baines, Leigh Fletcher

Infrared Observations of Saturn: Support for the Cassini Atmospheric Investigation

Glenn Orton, Padma Yanamandra-Fisher, Leigh Fletcher, Kevin Baines, Agustin Sanchez-Lavega, Ricardo Hueso, Santiago Perez-Hoyos

Jupiter's Altered State: Atmospheric Anomalies as Diagnostics of Chemistry and Dynamics
