

Fall 2007 Applications Awarded Observing Time

Naomoto Iwagami, Shoko Ohtsuki, Hideo Sagawa, Kenji Tokuda

Mapping of the Venus HCl Abundance above the Cloud Region

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

Mineralogy of Hera Spacecraft Targets

Masatoshi Imanishi, Nagisa Oi, Yasuyuki Watabe, Nozomu Kawakatu

Star-formation and the Origin of SMBH-growth in nearby QSOs

Michael L. Sitko, Ray W. Russell, David K. Lynch, Darryl Kim, Ralph Ford, Suellen M. Brafford, Carol A. Grady, John P. Wisniewski, Lori Beerman

Disk Wall Variability in Pre-Main Sequence Disks

Tom Stallard, Laurence M. Trafton, Steve Miller, Henrik Melin, Makenzie Lystrup

Identifying and Investigating Aurorae on Uranus

Steve Miller, Tom Stallard, Makenzie Lystrup

Explaining the Energy Gap in the Jovian Upper Atmosphere

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

3-13 μm Spectroscopy of Uranus and Neptune

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

MIT-Hawaii-IRTF Joint Program for Characterization of Near-Earth Objects

David K. Lynch, Andrew S. Rivkin, Heidi B. Hammel, Ray W. Russell

0.4 to 14 μm Spectroscopy of Deimos and Phobos

Vladimir A. Krasnopolsky

Photochemical Mapping of Mars and Venus

Mukremin Kilic, Ted von Hippel, Sandy K. Leggett, Atsuko Nitta, Jay Farihi, Scot Kleinman

Debris Disks Around White Dwarfs The "Z" Connection

Margaret Hanson, Joachim Puls, Francisco Najarro

NIR Diagnostics of Massive Star Winds

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

MIT-Hawaii-IRTF Joint Program for Characterization of Near-Earth Objects

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

Periodic Spectroscopy of Classical Novae

Adam J. Burgasser, Dagny Looper, Kelle Cruz, J. Davy Kirkpatrick

Duplicity at the L/T Transition

Michael S. Connelley, Thomas P. Greene

The Origins of H₂ Emission Around Very Young Stars

David Axon, Jack Gallimore, Chris O'Dea, M. Elitzur, Andrew Robinson, Catherine Buchanan, Stefi A. Baum, Jacob Noel-Storr

The Origin of the Thermally Re-radiated Emission in Seyfert Galaxies

Eliot F. Young, Mark Bullock, Tanya Tavenner, Scot Rafkin

Coordinated Observations of Venus's Lower Cloud Deck

Kevin Luhman

Spectroscopy of Candidate Members of Taurus

Kevin Luhman, August Muench, James Muzerolle, Charles J. Lada

Spectroscopy of Candidate Class I and Class II Brown Dwarfs

Lucimara P. Martins, Alberto Rodriguez-Ardila, Ronaldo E. de Souza, Sueli Viegas, Ruth Gruenwald

Tracers of Star Formation in the Near-Infrared

Kazuaki Mitsuyama, Hideo Sagawa, Takeshi Imamura

Mid-Infrared Imaging of Temporal Variation in Venus Cloud Microstructure II

Mark Swain, Drake Deming, Gene Serabyn, Ian Crossfield, Cristina Afonso, Thomas Henning

Dayside Spectra of a Hot Jovian World

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

Support for Cassini VIMS Atmospheric Science on Revs 49-57

Glenn Orton, Padma Yanamandra-Fisher, Leigh Fletcher, Patrick Irwin

Support for Cassini CIRS Atmospheric Science on Revs 49-57

Andrew Potter, Rosemary Killen, Thomas Bida

IR Spectra of Shadowed Regions Near the Lunar South Pole

Andrew S. Rivkin, Eric Volquardsen

Carbonates on Asteroidal Surfaces: How Common are They?

Guido Sonnabend, M. Sornig, Theodor Kostiuk

High Spectral Resolution Observation of Non-LTE CO₂ Emission Lines on Venus

Pierre Vernazza, Richard Binzel, Joseph L. Hora, Benoit Carry, James Jackson

Mid-infrared Spectroscopy of 1 Ceres and 2 Pallas

Pierre Vernazza, Richard Binzel, Alessandro Rossi, Sonia Fornasier, Mirel Birlan, Marcello Fulchignoni

Physical Characterization of Two Very Young Asteroids

Eric Volquardsen, Andrew S. Rivkin

Semi-Major Axis Dependence of Hydrated Minerals in Outer Belt Asteroids

Bin Yang, David Jewitt

Physical Properties of the Unusual Trojan Family and Hilda Asteroids in the Near Infrared

Richard Binzel, Andrew S. Rivkin, Schelte J. Bus, Thomas Burbine, Pierre Vernazza, Brian D. Warner

Asteroid 3628 Boznemcova: A Comprehensive Multi-Wavelength Study

Gordon Bjoraker, Nancy Chanover, Kevin H. Baines, Amy Simon-Miller

The Cloud Structure of Jupiter's Red Oval and Great Red Spot

Diana L. Blaney, David Glenar, Gordon Bjoraker

Spectral Imaging of Mars near the 2007 Opposition: Two Investigations

Nancy Chanover, Gordon Bjoraker, Tilak Hewagama, Randy Carlson

Simultaneous Cassini and IRTF Spectroscopy of Saturn's Deep Atmosphere

Humberto Campins, Yan R. Fernandez, Javier Licandro, Thais Mothé-Diniz, Julie Ziffer

Rotationally Resolved Spectroscopy of Two Themis Family Asteroids

Neil Dello Russo, Ronald Vervack, Harold A. Weaver, Carey M. Lisse, Nicolas Biver, Dominique Bockelee-Morvan, J. Crovisier

The Chemical Composition of Halley Family Comet 8P/Tuttle

Kelly E. Fast, Theodor Kostiuk, Timothy A. Livengood, John Annen, Tilak Hewagama, Juan Delgado, David Buhl

Martian Ozone Vertical Distribution and Chemistry

Timothy A. Livengood, Ramsey Smith, Theodor Kostiuk, Kelly E. Fast, Tilak Hewagama, Juan Delgado, David Buhl

Stable Isotope Ratios in Mars Atmospheric CO₂

Dagney Looper, J. Davy Kirkpatrick

The Sun's Dark Neighbors II: Searching for Ultracool T/Y Dwarfs

Emmanuel Marcq, Therese A. Encrenaz, Bruno Bezard, Mirel Birlan

Spectroscopy of Venus in Near IR: Supportive Studies for *Venus Express*

Stanimir Metchev, J. Davy Kirkpatrick, G. Bruce Berriman, Dagney Looper

New L/T Transition and Peculiar Brown Dwarfs from a SDSS+2MASS Cross-Match

Nick Moskovitz, Eric Gaidos, Robert Jedicke, Samuel Lawrence

Near-Infrared Spectroscopy of Basaltic and Optically Red Asteroids

Michael S. Kelley, Yan R. Fernandez, David E. Harker, Charles E. Woodward, Diane Wooden

Solar Processing of Comets: The Nucleus and Dust of Comet 8P/Tuttle

Catherine B. Olkin, Eliot F. Young, Leslie A. Young

Spectra of Pluto to Map Surface Frosts and Search for Seasonal Change

Emily Schaller, Henry Roe, Michael Brown

Titan's Methane Meteorology: Context for Cassini Titan Flybys T37-T40

Michael K. Shepard, Beth Ellen Clark

Investigation of X/M/E Class Main-belt Asteroids

Tom Slanger, David Heustis, Phil Cosby, Brian Sharpee, Nancy Chanover

Venusian Atmospheric CO₂ Stability Gauged by O₂($\alpha^1 \Delta_g - X^3\Sigma_g^-$) 1.27 μm Nightglow Emission

JD Smith, Michael Cushing, Anthony Barletta, Schuyler D. Van Dyk

A Near-Infrared Line Survey for Galactic Wolf-Rayet Stars

L. A. Sromovsky, Patrick M. Fry

SpeX Observations of Uranus Near Equinox

Ronald Vervack, Neil Dello Russo, Harold A. Weaver, Carey M. Lisse, Nicolas Biver, Dominique Bockelée-Morvan, J. Crovisier

Investigating the Organic Composition of 8P/Tuttle Using SpeX

Frederick M. Walter, Sherry Faherty, William Sherry

Substellar Mass Objects in the Orion OB1 a and b Associations

Julie Ziffer, Humberto Campins, Yanga Fernandez, Thais Mothé-Diniz

Near-Infrared Spectroscopy of Veritas Family Asteroids

Karen S. Bjorkman, Erica Hesselbach, Jon E. Bjorkman, John P. Wisniewski

Probing the Density Structure and Variability of Circumstellar Disks

Kelle Cruz, Jackie Faherty, J. Davy Kirkpatrick, Adam J. Burgasser, Katelyn Allers, Dagny Looper

Characterizing a Population of Young Brown Dwarfs Near the Sun

Drake Deming, David Charbonneau, Heather Knutson

Secondary Eclipse and Transit Photometry of HAT-P-1b

Michael DiSanti, Michael J. Mumma, Geronimo Villanueva, Boncho Bonev, William Anderson, Karen Magee-Sauer, Erika Gibb

The Volatile Organic Composition of Halley Family Comet 8P/Tuttle

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

Near-Infrared Spectroscopy of Trojan Asteroids

Robert Novak, Michael J. Mumma, William Pientka, Ephrem Shiferaw, Geronimo Villanueva, Boncho Bonev

Mapping of Ozone and CO Isotopes during Mars' Early Northern Spring

Padma Yanamandra-Fisher, Terry J. Jones, Glenn Orton, Kevin H. Baines

Near-InfraRed Linear Polarimetry of Saturn's Poles and Rings

Peter Garnavich, Colin McClelland, G. Howie Marion, Christopher Gerardy

Understanding Supernova Physics through Early Spectroscopy

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

Mineralogical Characterization, Albedo, and Source Region Determination of Near-Earth Objects

Arlin Crotts, Cameron Hummels

Sensitive Search for Hydration Signatures at Selected Lunar Sites

Shoko Ohtsuki, Naomoto Iwagami, Hideo Sagawa, Munetaka Ueno, Takeshi Imamura

Variations of Venus O₂ Night Airglow and Rotational Temperature II

Dawn E. Peterson, S. Thomas Megeath, Michael Cushing, Judith L. Pipher

Probing the Initial Mass Function in the Orion Molecular Cloud 2/3 Region

Schelte J. Bus, Jessica Sunshine, Carle M. Pieters, Andrew S. Rivkin

Spectroscopic Calibrations for the Moon Mineralogy Mapper (M3) Mission

M. A. Chamberlain, Mark Sykes, Amy Lovell, Schelte J. Bus, James Jackson, Joseph L. Hora, Joseph D. Adams

Thermal Studies of Surviving Terrestrial Protoplanets: Ceres, Pallas, and Vesta

Eugene Magnier, Michael C. Liu, Mark Pitts, S. Guieu

Spectroscopic Confirmation of a Proper-Motion Taurus Low-Mass Candidate Objects

Nate McCrady, Kathy Kornei

Nuclear Super Star Clusters in NGC 253

S. Thomas Megeath, C. Poteet, L. E. Allen, Nuria Calvet, James Muzerolle, Dan M. Watson, Lee Hartmann, Elise Furlan

SpeX Spectroscopy of Spitzer Identified Protostars in the Orion A Molecular Cloud

James Norwood, Nancy Chanover

Uranus' Methane Abundance at Equinox

Glenn Orton, Padma Yanamandra-Fisher, Leigh Fletcher, Patrick Irwin

Meteorology of Jupiter During Major Axisymmetric Changes

Pedro Lacerda, David Jewitt

Simultaneous Visible and mid-IR Lightcurves of Close Binary Asteroids