

Tracy L. Beck

Curriculum Vitae

Contact Information:

Postal Address:

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Education:

Ph. D. in Astronomy: June 2001, State University of New York (SUNY) – Stony Brook
Ph. D. Thesis: “Observational Investigations of Obscured Young Stars”, under M. Simon

M. S. in Astronomy: May 1997, SUNY – Stony Brook

B. S. in Astrophysics: June 1995, University of California at Los Angeles

Employment:

October 2007 – Present: Associate Scientist, STScI

(80% Observatory Support, 20% Independent Research)

June 2007 – October 2007: Associate Scientist, Gemini North Observatory

(70% Observatory Support, 30% Independent Research)

August 2001 – June 2007: Gemini Science Fellow, Gemini North Observatory

(60% Observatory Support, 40% Independent Research)

June 1996 – June 2001: Research Assistant under Michal Simon at SUNY-SB

January 2000 – May 2000: Astronomy Instructor, Suffolk Community College

August 1995 – June 1997: Astronomy Instructor / Teaching Assistant, Astronomy 101, 105 and 248 at SUNY – SB

June 1995 – August 1995: Research Assistant under A. M. Ghez at UCLA

Professional References:

Michal Simon, SUNY – Stony Brook, Professor.

Email: michal.simon@sunysb.edu

Phone: 631-632-8226

Inger Jorgensen, Gemini Observatory; Head of Science Operations

Email: ijorgensen@gemini.edu

Phone: 808-974-2621

Colin Aspin, U. Hawaii, IfA, Hilo; Manager, U. of Hawaii 88” Telescope

Email: caa@ifa.hawaii.edu

Phone: 808-932-2392

Awards, Committees, Meeting Organization - Service:

JWST NIRSpec Instrument Scientist (Oct. 2007 – Present)

NASA Infrared Telescope Facility (IRTF) Time Allocation Committee (Fall 2009 – Spring 2011)

“IFUs in the Era of JWST” – STScI mini-workshop, Oct. 2010 – Science Organizing Committee

“Energy, the Environment and Astronomy” – AAS Splinter Meeting co-organizer
Fall 2009 – RSAC Funding award for “Energy, the Environment and Astronomy”, AAS Splinter Meeting (\$1000)

Fall 2009 – RSAC Funding award for “The 2008-2009 STScI WHIRC Data Reduction Effort”, 4 months funding to hire RIA B. Ferguson to reduce WHIRC data (\$21788)

JWST NIRSpec Critical Design Review (CDR) Committee Member (Oct. 2008 – Feb. 2009)

Gemini Near Infrared Integral Field Spectrograph (NIFS) Instrument Scientist (Fall 2002 – Oct. 2007)

Gemini Observatory Time Allocation Committee (Fall 2003 – Spring 2005)

Keck OSIRIS Data Reduction Design Review Committee (May 2003)

“Galactic Center Workshop” Local Organizing Committee, Keahou, HI (Nov. 2002)

Astronomical Observing Experience:

<i>Mar. 1998 – Nov 2011</i>	NASA’s IR Telescope Facility (IRTF), Mauna Kea, HI
Total time:	<i>~55 nights</i>
Instruments:	NSFCam (1-5 μ m infrared imaging) SpeX (1-5 μ m spectroscopy) CSHELL (near IR echelle spectroscopy)
<i>Sep 1998</i>	Wyoming Infrared Observatory (WIRO), Mt. Jelm, WY
Total time:	<i>18 nights</i>
Instruments:	IoCam (1-5 μ m imaging)
<i>Aug 2001 – Oct 2007</i>	Gemini North Observatory, Mauna Kea, HI
Total time:	<i>More than 180 nights</i> (staff queue observer)
Instruments:	GMOS (optical imaging, longslit, MOS, IFU) NIRI (near IR imaging, longslit) Michelle (mid IR imaging, longslit, echelle) NIFS (near IR AO-fed IFU; led instrument commissioning) Altair/Altair+LGS (natural and laser guide star adaptive optics)
<i>Mar 2003</i>	Gemini South Observatory, Cerro Pachon, Chile
Total time:	<i>9 nights</i>
Instruments:	CIRPASS (near IR IFU)
<i>May 2009</i>	SOAR Telescope, Cerro Pachon, Chile
Total time:	<i>4 nights</i>
Instruments:	OSIRIS (IR XD Spectrograph)
<i>Sep 2011</i>	WIYN Telescope
Total time:	<i>2 nights</i>
Instruments	WHIRC (Infrared Camera)

Recent Invited/Contributed Talks and Colloquia (2007 – Present):

Invited Talks:

STScI Workshop “IFUs in the Era of JWST” Oct. 2010 – Invited talk, “Galactic Star Formation with Integral Field Spectroscopy”

AAS June 2009 "Spectral Imaging of Microjets from T Tauri Stars" by Beck, McGregor et al. in 'meeting within a meeting' session on Adaptive Optics, 'Stellar Astrophysics with AO'

Contributed Talks:

National Capital Area Disks Meeting, March 2009, "Laser-fed Adaptive Optics Spectral Imaging of the Curious Low Mass Proto-star IRAS 04158+2805"

New Technologies for Probing the Diversity of Brown Dwarfs and Extrasolar Planets, July 2009, "Probing Brown Dwarf Environments Using Spectral Imaging".

Seminars and Colloquia:

STScI Star and Planet Formation Research Seminar, January 2011

University of Virginia Weekly Science Seminar, February 2008

SUNY – Stony Brook Astronomy Colloquium, April 2008

American Museum of Natural History, Science Seminar, April 2008

STScI Star and Planet Formation Series, June 2008

GSFC Exoplanets Research group Seminar, March 2009

CTIO Colloquium, May 2009

ESO Santiago, Colloquium May 2009

Carnegie DTM Seminar, May 2009