

JOSHUA ELI GOLDSTON PEEK
Curriculum Vitae

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Personal

Born: 2 April 1979, Joshua Eli Goldston
Citizenship: U.S.

Education

UNIVERSITY OF CALIFORNIA, BERKELEY Jan. 2004 – May 2008
Berkeley CA, USA
Ph.D. in Astronomy
Dissertation: “High-Velocity Clouds and the Galactic Arecibo L-Band Feed Array Survey in HI”
Thesis Advisor: Carl E. Heiles

UNIVERSITY OF CALIFORNIA, BERKELEY Sep. 2002 – Jan. 2004
Berkeley CA, USA
M.S. in Astronomy

HARVARD UNIVERSITY Sep. 1997 – May 2001
Cambridge MA, USA
B.A. in Physics and Astronomy & Astrophysics, with Honors

**Teaching,
Employment
and
Outreach**

POSTDOCTORAL RESEARCHER Summer 2009 – present
Columbia University

POSTDOCTORAL RESEARCHER Summer 2008 – Summer 2009
UC Berkeley, Space Sciences Laboratory

FOUNDER, INSTRUCTOR Summer 2008- 2010
UC Berkeley, GALFA-HI Summer school

FOUNDER, ORGANIZER Fall 2003 – Fall 2006
UC Berkeley Astronomy Department - Meher School Annual Astronomy Day

GRADUATE STUDENT INSTRUCTOR Fall 2003
UC Berkeley, Stellar Physics

CONSULTANT Summer 2003
Gordon & Betty Moore Foundation critical review of CELT 30m telescope

GRADUATE STUDENT INSTRUCTOR Spring 2003
UC Berkeley, Radio Astronomy Laboratory

	GRADUATE STUDENT INSTRUCTOR UC Berkeley, Introductory Astronomy	Fall 2002
	PUBLIC LIAISON UC Berkeley Astronomy Department	Fall 2002 – Fall 2007
	ORGANIZER Smithsonian Astrophysical Observatory AstroDay 2002	Spring 2002
	OPERATIONS AND ENGINEERING ASSISTANT Smithsonian Astrophysical Observatory Sub-Millimeter Array	Fall 2001 – Spring 2002
	STUDENT INSTRUCTOR Harvard University Physics Question Center	Fall 2000 – Spring 2001
	UNDERGRADUATE RESEARCH ASSISTANT Sloan Digital Sky Survey at Princeton University	Summer 1998, 1999, 2000
Allocated Telescope Time	VLA 24 hours as PI for studies of anomalous Galactic HI.	Summer 2008
	KECK OBSERVATORY 2 nights as a Co-PI for high-resolution stellar spectroscopy.	Spring 2007
	ATA OBSERVATORY 16 hours of observing time as PI for Galactic 21-cm studies.	Fall 2007
	ARECIBO OBSERVATORY Over 200 hours of observing time as PI and over 8000 hours as Co-I for Galactic 21-cm line studies.	Spring 2003 – Fall 2006
	BIMA OBSERVATORY 8 hours of observing time as PI for a multi-wavelength study of the Galactic center.	Summer 2005 – Spring 2006
	VLBA 152 hours of observing time as Co-I for astrometric studies of active stars.	Summer 2005 – Spring 2006
Invited Talks	THE GALFA-HI SURVEY <i>The Dynamic ISM: A celebration of the Canadian Galactic Plane Survey</i> , June 2010	
	13 WAYS OF LOOKING AT A HALO <i>Radio Astronomy Laboratory 50th Anniversary Conference</i> , November 2008	
	HITTING THE BULLS-EYE: CONSTRAINTS ON THE GALAXY'S ONGOING ACCRETION AND HALO <i>Galaxy Formation and Evolution as Revealed by Cosmic Gas</i> , April 2008	
Public Lectures	OUTER SPACE! Columbia University, October, 2010	
	OUR SPIRAL IDENTITY Tri-Valley Stargazers Association, August, 2008	

GALACTIC RECYCLING
East Bay Astronomical Society, August, 2008

Schools

SCICODER
Summer, 2010
NYU

BIMA SUMMER SCHOOL
Summer, 2002
Hat Creek, California, USA

References

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PROFESSOR MARY E. PUTMAN
University of Columbia, Department of Astronomy
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PROFESSOR DOUGLAS FINKBEINER
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Publications THE LOCAL LEO COLD CLOUD AND THE LOCAL INTERSTELLAR MEDIUM
Peek, J. E. G. , Heiles, Carl, Peek, K. M. G, Meyer, David, Lauroesch, James, 2010, *ApJ*, *submitted*

THE GALFA-HI SURVEY
Peek, J. E. G. [10 authors], 2010, *to appear in The Dynamic ISM: A celebration of the Canadian Galactic Plane Survey*

THE GALFA-HI SURVEY: DATA RELEASE 1
Peek, J. E. G. [12 authors], 2010, *ApJS*, *submitted*

A CORRECTION TO THE STANDARD GALACTIC REDDENING MAP: PASSIVE GALAXIES AS STANDARD CRAYONS
Peek, J. E. G. ,Graves, Genevieve, 2010, *ApJ*, 719, 415

HITTING THE BULLSEYE: THE RADIAL PROFILE OF ACCRETION AND STAR FORMATION IN THE MILKY WAY
Peek, J.E.G., 2009, *ApJ*, 698, 1429

LOW-VELOCITY HALO CLOUDS
Peek, J.E.G., Putman, M. E., Heiles, Carl, Douglas, K., 2009, *ApJ*, 692, 827

THE GALFA-HI SURVEY: TECHNIQUES
Peek, J.E.G., Heiles, Carl, 2008, *astro-ph/0810.1283*

ONGOING GALACTIC ACCRETION: SIMULATIONS AND OBSERVATIONS OF CONDENSED GAS IN HOT HALOS
Peek, J.E.G., Putman, M. E., Sommer-Larsen, Jesper, 2008, *ApJ*, 674, 227

RECONSTRUCTING DECONSTRUCTION: HIGH-VELOCITY CLOUD DISTANCE THROUGH DISRUPTION MORPHOLOGY
Peek, J.E.G., Putman, M. E., McKee, Christopher F., Heiles, Carl, Stanimirovic, Snezana, 2007, *ApJ*, 656, 907

SYNCHROTRON RADIATION FROM RADIATIVELY INEFFICIENT ACCRETION FLOW SIMULATIONS: APPLICATIONS TO SAGITTARIUS A*
Goldston, Joshua E., Quataert, Eliot, Igmenshchev, Igor V, 2005, *ApJ*, 621, 785

PHYSICAL PROPERTIES OF COMPLEX C HALO CLOUDS
Hsu, W-H, Putman, M. E., Heitsch, F., Stanimirović, S., **Peek, J. E. G.** , Clark, S. E.,

2010, *ApJ*, *Accepted*

COMPACT HI CLOUDS FROM THE GALFA-HI SURVEY

Begum, Ayesha, Stanimirović, Snežana, **Peek, J. E. G.** [10 authors], 2010, *ApJ*, 722, 395

VELOCITY SPECTRUM FOR HI AT HIGH LATITUDES

Chepurnov, A., Lazarian, A., Stanimirović, S, Heiles, C., **Peek, J. E. G.** , 2010, *ApJ*, 714, 1398

THE DISRUPTION AND FUELING OF M33

Putman, M. E., **Peek, J.E.G.**, [8 authors], 2009, *ApJ*, 703, 1486

A PECULIAR HI CLOUD NEAR THE DISTANT GLOBULAR CLUSTER PAL4

van Loon, Jacco, Stanimirović, Snežana, Putman, Mary, **Peek, J. E. G.** , [3 authors], 2009, *MNRAS*, 396, 1096

AN ACCURATE DISTANCE TO HIGH-VELOCITY CLOUD COMPLEX C

Thom, B., **Peek, J.E.G.**, Putman, M. E., Heiles, Carl, Peek, K. M. G., Wilhelm, R., 2008, *ApJ*, 684, 364

HI IN LOCAL GROUP DWARF GALAXIES

Grcevich, Jana, Putman, M. E., **Peek, J.E.G.**, 2008, *AIPC*, 1035, 159

MAPPING HYDROGEN IN THE GALAXY, GALACTIC HALO, AND LOCAL GROUP WITH ALFA: THE GALFA-H I SURVEY STARTING WITH TOGS

Gibson, S. J., Douglas, K. A., Heiles, C., Korpela, E. J., **Peek, J. E. G.** Putman, M. E., Stanimirovic, S., 2008, *AIPC*, 1035, 249

FEEDING GALAXIES

Grcevich, Jana, Putman, M. E., **Peek, J.E.G.**, 2008, *AIPC*, 1035, 141

THE MANY STREAMS OF THE MAGELLANIC STREAM

Stanimirovic, S., Hoffman, S., Heiles, C., Douglas, K. A., Putman, M. E., **Peek, J. E. G.**, 2008, *ApJ*, 680, 276

A PARALLACTIC DISTANCE OF 389^{+24}_{-21} PARSECS TO THE ORION NEBULA CLUSTER FROM VERY LONG BASELINE ARRAY OBSERVATIONS

Sandstrom, Karin M., **Peek, J.E.G.**, Bower, Geoffrey C., Bolatto, Alberto D., Plambeck, Richard L., 2007, *ApJ*, 667, 1161

FIRST RESULTS FROM THE ARECIBO GALACTIC H I SURVEY: THE DISK/HALO INTER-FACE REGION IN THE OUTER GALAXY

Stanimirovic, Snezana, Putman, Mary, Heiles, Carl, **Peek, J.E.G.** [10 authors], 2006, *ApJ*, 653, 1210

A COLD NEARBY CLOUD INSIDE THE LOCAL BUBBLE

Meyer, David M., Lauroesch, J. T., Heiles, Carl, **Peek, J.E.G.**, Engelhorn, Kyle, 2006, *ApJL*, 650, 67

THE SLOAN DIGITAL SKY SURVEY MONITOR TELESCOPE PIPELINE

Tucker, D. L., [11 authors], **J. Goldston**, [20 authors], 2006, *AN*, 327, 821

FIRST SIMULTANEOUS NIR/X-RAY DETECTION OF A FLARE FROM SGR A*

Eckart, A., [12 authors], **Goldston, Joshua E.**, 2004, *A&A*, 427, 1

HOW MIRA VARIABLES CHANGE VISUAL LIGHT BY A THOUSANDFOLD

Reid, M. J., **Goldston, J. E.**, 2002, *ApJ*, 568, 931

CANDIDATE RR LYRAE STARS FOUND IN SLOAN DIGITAL SKY SURVEY COMMISSIONING DATA

Ivezic, Zeljko, **Goldston, Josh**, [40 authors], 2000, *AJ*, 120, 963