

Curriculum Vitae - Jeffrey L. Carlin

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EDUCATION

2002 - present *University of Virginia* *Charlottesville, VA*
Ph.D. student (anticipated graduation December 2008)
M.S. Astronomy, May 2004, “*Chandra Observations of Diffuse Gas and Point Sources in the Elliptical Galaxy NGC 533*”

1998 - 2002 *San Francisco State University* *San Francisco, CA*
B.S. Physics (Astrophysics), Mathematics minor, Magna Cum Laude

1991 - 1994 *University of Kansas* *Lawrence, KS*
Art History major, 3.54 GPA

AWARDS & ACHIEVEMENTS

Virginia Space Grant Consortium, Aerospace Graduate Research Fellowship, 2005 - 2008
Huskey Travel Award (support for meeting attendance), Dec. 2007
Yale Astrometry Workshop, New Haven, CT, July 2005 - full financial support
Michelson Summer Workshop, Pasadena, CA, July 2005 - full financial support
National Science Foundation Research Experience for Undergraduates (REU), La Serena, Chile, 2002
Physics Department Honors Graduate, SFSU, 2002
Eden Academic Excellence Award, SFSU, 2001 & 2002
National Merit Scholarship, 1991 - 1994

TEACHING

2004 - 2005 Tutoring student-athletes, Univ. of Virginia
2002 - 2004 Head Teaching Assistant, Intro. to Astronomical Observation, Univ. of Virginia
2004 Teaching Assistant, Intro. to the Stars, Galaxies, and the Universe, Univ. of Virginia
2002, 2004 Teaching Assistant, Archaeo-Astronomy, Univ. of Virginia
1999-2001 Observatory Assistant, Intro. to Astronomy, San Francisco State Univ.

RESEARCH

2004 - present *University of Virginia* *Charlottesville, VA*
Absolute Space Velocities of a Sample of Milky Way Satellites

2002 - present *University of Virginia* *Charlottesville, VA*
Thermal Emission in X-Ray Bright Elliptical Galaxies

RESEARCH (continued)

2002	<i>Cerro Tololo Inter-American Observatory</i> Optical Studies of the Vela Bullets	<i>La Serena, Chile</i>
2000 - 2002	<i>San Francisco State University</i> Optical Counterparts of X-Ray Sources in the Core of the Globular Cluster Omega Centauri	<i>San Francisco, CA</i>

PUBLICATIONS & PRESENTATIONS

“A Deep Proper-Motion Survey in Kapteyn Selected Areas. I. Survey Description and First Results for Stars in the Tidal Tail of Sagittarius and in the Monoceros Ring”, Casetti-Dinescu, D. I., Majewski, S. R., Girard, T. M., Carlin, J. L., van Altena, W. F., Patterson, R. J., Law, D. R., 2006, *Astronomical Journal*, 132, 2082.

“Exploring Halo Substructure with Giant Stars: The Dynamics and Metallicity of the Dwarf Spheroidal in Boötes”, Muñoz, R. R., Carlin, J. L., Frinchaboy, P. M., Nidever, D. L., Majewski, S. R., Patterson, R. J., 2006, *Astrophysical Journal Letters*, 650, 51.

“The Intrinsic Colors of RR Lyrae Variables: A Means to Determine Interstellar Reddening”, Guldenschuh, K. A., Layden, A. C., Wan, Y., Whiting, A., van der Bliik, N., Baca, P., Carlin, J., Freismuth, T., Mora, M., Salyk, C., Vera, S., Verdugo, M. & Young, A., 2005, *Publications of the Astronomical Society of the Pacific*, 117, 721.

“Chandra Observations of Diffuse Gas and Luminous X-Ray Sources around the X-Ray bright Elliptical Galaxy NGC 1600”, Sivakoff, G. R., Sarazin, C. L., & Carlin, J. L. 2004, *Astrophysical Journal*, 617, 262.

“Tracing Galactic Metallicity Gradients With the 2MASS Point Source Catalog”, Munoz, R., Carlin, J., Chatzikos, M., Hayes, A., Kanneganti, S., Mellon, R., Oishi, J., Park, C., Singhal, A., Sivakoff, G., Majewski, S. R., Skrutskie, M. F., & Sohn, S. 2004, in “Milky Way Surveys: The Structure and Evolution of our Galaxy”, ed. D. Clemens, R. Shah, and T. Brainerd, ASP Conference Proceedings, Vol. 317, p.283.

“Chandra Observations of Thermal Emission in the X-Ray Bright Elliptical Galaxy NGC 533”, Carlin, J. L., Sarazin, C. L., & Sivakoff, G. R., 2004, poster presentation, “Galaxies Viewed With Chandra” workshop, Cambridge, MA, July 2004.

“Characterization of the Shock Front and Discovery of Balmer Filaments in Optical Images of Vela Bullet C”, Carlin, J. L. & Smith, R. C. 2002, poster presentation, 201st Meeting of the American Astronomical Society, Seattle, WA, January 2003.

“High Resolution X-ray Imaging of Binary Star Populations in Omega Centauri”, Haggard, D., Carlin, J. L., Cool, A. M., Zhao, B., Bailyn, C. D., Edmonds, P. D., Grindlay, J. E., & Davies, M. B. 2002, poster presentation, 200th Meeting of the American Astronomical Society, Albuquerque, NM, June 2002.

“Deep Chandra Imaging of Omega Centauri”, Cool, A. M., Haggard, D., & Carlin, J. L. 2002, in “Omega Centauri, A Unique Window into Astrophysics”, ed. F. van Leeuwen, J. D. Hughes, and G. Piotto, ASP Conference Proceedings, Vol. 265, p. 277.

