

Jillian Bornak

CURRICULUM VITAE – AUGUST 2009

RESEARCH INTERESTS: X-ray binaries, accretion processes, classical novae, dust formation.

EDUCATION

1996-2000 B.A. Physics, Syracuse University

PROFESSIONAL EXPERIENCE

2005-2009 Graduate Student, New Mexico State University
Teaching Assistant, Research Assistant

HONORS AND AWARDS

New Mexico Space Grant
New Mexico State University Higher Education Department grant
Graduate Assistantship Award

MEMBERSHIPS

American Association of University Women
American Association of Variable Star Observers
American Astronomical Society

REFEREED PUBLICATIONS

"A Possible Period for the K-band Brightening Episodes of GX 17+2"
Bornak, J., McNamara B. J., Harrison, T. E., Rupen, M. P., Bandyopadhyay, R. M., Wachter, S., ApJ Letters 701, L110-L113 (2009)

"Infrared Photometry and Spectroscopy of VY Aqr and EI Psc: Two Short-Period Cataclysmic Variables With Curious Secondary Stars"
Harrison, T. E., **Bornak, J.**, Howell, S. B., Mason, E., Szkody, P., McGurk, R., ApJ 137, 4061-4071 (2009)

MEETINGS, TALKS, POSTERS

214th AAS, 2009 June 7-11
Poster: "Synchrotron Emission from Cataclysmic Variables"
Tom Harrison, **Jillian Bornak**, Steve Howell, Michael Rupen

Wild Stars in the Old West II, 2009 March 15-19
Poster: "Synchrotron "Jets" in Unexpected Places: GX 17+2 and V1223 Sgr"
Jillian Bornak, Tom Harrison, Bernie McNamara

24th New Mexico Symposium, 2008 October 24
Talk: "A Possible Period for the K-band Brightening Episodes of GX 17+2"
Jillian Bornak, Tom Harrison, Bernie McNamara, Michael Rupen

NRAO AOC Pizza Lunch, 2008 August 27

Talk: "A Possible Period for the K-band Brightening Episodes of GX 17+2"

Jillian Bornak, Tom Harrison, Bernie McNamara, Michael Rupen

211th AAS, 2008 January 7-11

Poster: "Are There Any Other Old Novae Like V1500 Cyg?"

Joni Johnson, Tom Harrison, Joe Wellhouse, **Jillian Bornak**, Ryan Campbell,
J. E. Lyke, S. B. Howell, P. Szkody, & F. Cordova

A Population Explosion: The Nature and Evolution of X-ray Binaries in
Diverse Environments, 2007 October 28 - November 2

Poster: "Multiwavelength Observations of the Highly-Reddened Z source
GX 17+2"

Jillian Bornak, Tom Harrison, Bernie McNamara, & Michael Rupen

23rd New Mexico Symposium, 2007 October 19

Poster: "Multiwavelength Observations of the Highly-Reddened Z source
GX 17+2"

Jillian Bornak, Tom Harrison, Bernie McNamara, & Michael Rupen