

# Kazunori “Bish” Ishibashi

## Current Address

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## Permanent Address

3-10-13 Kamishinozaki  
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## Current Status:

*Nov. 2001 to present*      *Chandra X-ray Center Research Scientist*  
Kavli Institute for Astrophysics and Space Research  
at Massachusetts Institute of Technology

Primary Task: characterization of instrumental response function for High and Low Energy-Resolution Transmission Grating Spectrometers on board *Chandra X-ray Observatory*.

Research Interests: Multi-wavelength studies of  $\eta$  Carinae and other stellar objects.

## Education:

*Apr. 1998 to Nov. 1999*      Ph.D. in Astrophysics, the University of Minnesota, Minneapolis, Minnesota  
*Sept. 1994 to Apr. 1998*      Masters of Science in Astrophysics, the University of Minnesota, Minneapolis, Minnesota  
*Jan. 1991 to May 1994*      Bachelor of Science in Astrophysics, the University of Oklahoma, Norman, Oklahoma

## Positions:

*Jan. 2000 to Oct. 2001*      *National Research Council Fellow*  
at Laboratory of Astronomy and Space Physics, GSFC/NASA  
*Sept. 1998 to June 1999*      *Graduate School Dissertation Fellow*  
from the University of Minnesota  
*Jan. 1998 to June 1999*      *UNIX/PC System Administrator*  
at the department of Astronomy, the University of Minnesota  
*Sept. 1996 to Dec. 1996*      *Head Teaching Assistant Coordinator*  
at the department of Astronomy, the University of Minnesota

## Honors/Awards/Grants/Services:

*June 2006*      *Chandra Peer Review Cycle 8*  
*Oct. 2002 to Sept. 2003*      *Chandra Cycle 4 GO Program (Co-I) Grant Received: \$27,263*  
Proposal: The extensive monitoring (500 ksec) of  $\eta$  Carinae with the *Chandra/HETG*, though its predicted anomalous phase.  
*July 2003 to June 2005*      *HST Treasury Program (Co-I) Grant Received: \$31,184*  
Proposal: The monitoring of  $\eta$  Carinae with the *HST/STIS*, *WFPC*, and *ACS* instruments through its predicted anomalous phase  
*July 2002 to June 2003*      *HST Treasury Program (Co-I) Grant Received: \$14,574*  
Proposal: The monitoring of  $\eta$  Carinae with the *HST/STIS*, *WFPC*, and *ACS* instruments through its predicted anomalous phase  
*Jan. 2000 to Oct. 2001*      *National Research Council Fellowship*  
from the National Academy of Science, Washington D.C.

Jan. 1999 to Dec. 2001 *Astrophysical Data Program (Co-I)*  
 Proposal: The archival research on the X-ray data for  $\eta$  Carinae

May 1999 *Rahman Prize for Outstanding Scholars*  
 from the University of Minnesota, School of Physics and Astronomy

Sept. 1998 to June 1999 *Graduate School Dissertation Fellowship*  
 from the University of Minnesota

Apr. 1994 *Karchar Award for Outstanding Senior in Physics and Astronomy*  
 at the University of Oklahoma

Recently Approved Research Proposals:

X-ray astronomical observatories

Apr. 2006 Co-I. for *Chandra X-ray Observatory Cycle 7*  
 Objective: High resolution energy grating observation of DX Cha (150ksec)  
 Principal Investigator: Claude Canizares, MIT Kavli Institute

Aug. 2003 to July 2004 Co-I. for *XMM-Newton Observatory AO 3*  
 Objective: Continuous Monitoring of X-ray spectral evolution of  $\eta$  Carinae (8ksec)  
 Principal Investigator: Michael F. Corcoran at Goddard Space Flight Center

Oct. 2002 to Sept. 2003 Co-I. for *Chandra X-ray Observatory Cycle 4*  
 Objective: Extensive monitoring of  $\eta$  Carinae (500 ksec)  
 Principal Investigator: Michael F. Corcoran at Goddard Space Flight Center

Jan. 2003 to July 2003 Co-I. for *XMM-Newton Observatory AO 2*  
 Objective: Monitoring of X-ray spectral evolution of  $\eta$  Carinae in 2003.5 (52.8ksec)  
 Principal Investigator: Michael F. Corcoran at Goddard Space Flight Center

Jan. 2001 to Dec. 2001 Co-I. for *Rossi Timing X-ray Explorer AO6*  
 Objective: Continuous monitoring of  $\eta$  Carinae (156 ksec)  
 Principal Investigator: Michael F. Corcoran at Goddard Space Flight Center

1999 – 2000 Co-I. for *Chandra X-ray Observatory Cycle 1*  
 Objective: High spectral resolution monitoring of  $\eta$  Carinae (100ksec)  
 Principal Investigator: Michael F. Corcoran at Goddard Space Flight Center

UV/Optical observatories

Jan 2007 to Jan 2009 Co-I. for *HST GO program*  
 Objective: Continuous monitoring of  $\eta$  Carinae with the HST/ACS  
 Principal Investigator: Kris Davidson at University of Minnesota

July 2002 to June 2005 Co-I. for *HST Treasury Program*  
 Objective: Continuous monitoring of  $\eta$  Carinae with the HST/STIS and  
 other instruments on board  
 Principal Investigator: Kris Davidson at University of Minnesota

Sept. 2001 to Aug. 2003 Co-I. for *HST/STIS GO10 and 11*  
 Objective: Continuous monitoring of  $\eta$  Carinae with the HST/STIS  
 Principal Investigator: Kris Davidson at University of Minnesota

Sept. 2001 to Aug. 2003 Co-I. for *HST Archival Research GO10*  
 Objective: Characterization of CCD Spectroscopic Point Spread Function in STIS

Jan. 2001 to Dec. 2001 Co-I. for *Far Ultraviolet Spectroscopic Explorer AO2*  
 Objective: FUV monitoring of  $\eta$  Carinae (40 ksec)  
 Principal Investigator: T. R. Gull at Goddard Space Flight Center

Society Memberships:

1996 to present

American Astronomical Society (Full member; HEAD)

Relevant Skills:

- UNIX system administration (SunOS, Solaris, SGI/IRIX, and Linux)
- Programming experience in: Fortran 77, Perl, IDL, IRAF/STSDAS, S-Lang (as a replacement of IDL), Bource, Bash, and C-shell scripting and proficiency in HTML/Javascript
- Proficiency in  $T_{E}X$  and  $L_{A}T_{E}X$  for scientific writing
- Fluency in English and Japanese (my native language)

References:

I. Claude R. Canizares

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II. Kris Davidson

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University of Minnesota  
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Minneapolis, MN 55455

*Tel:* 612-624-5711 (W)  
612-626-2029 (Fax)

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III. Theodore R. Gull

*Address:*

Exploration of the Universe Division  
Goddard Space Flight Center  
Code 667 NASA/GSFC  
Greenbelt, MD 20771

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301-286-1752 (Fax)

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