The *EUVE* Guest Investigator Science Program

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In order to promote research using data from NASA's *Extreme Ultraviolet Explorer* (*EUVE*) satellite, the Center for EUV Astrophysics has implemented a Guest Investigator (GI) Science Program. The purpose of the GI Program is to provide researchers with information, services, and training in the use of public *EUVE* data sets; in effect, it offers to the research community the technical experience and intricate knowledge of the *EUVE* data sets resident at CEA. All interested researchers are encouraged to participate as GIs.

1. Introduction

NASA's *Extreme Ultraviolet Explorer* (*EUVE*) satellite was launched on 7 June 1992. The purpose of the mission is to perform a six-month all-sky survey in the EUV wavelength region (60–740 Å) followed by a multi-year program of guest observer (GO) pointed spectrometer observations (Bowyer & Malina 1991). The survey phase of the mission has been completed and *EUVE* is now in its third year of GO observations.

Proprietary data rights on a large volume of *EUVE* data have already expired and are available to the public. The basic *EUVE* data sets include catalogs, skymaps, and photon event lists from the survey phase of the mission, and multichannel spectra from GO observations. Access to *EUVE* public data (all in the astronomical standard FITS format) as well as to various associated information and services is available via the CEA World Wide Web (WWW) site (http://www.cea.berkeley.edu/).

2. The GI Science Program

To encourage and promote scientific research using these unique data sets, the Center for EUV Astrophysics (CEA) at the University of California, Berkeley, has implemented the Guest Investigator (GI) Science Program. The purpose of the GI Program is to provide researchers with the information and training necessary to use the publicly available *EUVE* data sets. The GI Program is open to all researchers and offers to the research community the technical experience and intricate knowledge of the *EUVE* data that is resident at CEA.

Whether working remotely or visiting at CEA, all GIs receive a variety of benefits and individualized services that include the following:

- easy, quick, and complete access to all public *EUVE* data sets
- dedicated personal support from CEA scientific/technical experts
- information on and training in the use of *EUVE* data and software (i.e., IRAF)
- the use of CEA computing resources

Anyone can become a GI—astronomers doing EUV science, technologists interested in test-bed technology transfer activities, engineers concerned about the affects of long-term exposure of hardware instruments to the Space environment, educators working to establish "hands-on" science lesson plans, and the general public. Some examples of past and current GI support activities include helping researchers to build and analyze EUV

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light curves and spectral data sets; to use public *EUVE* data to prepare, validate, and enhance observing programs on other facilities (e.g., the Hubble Space Telescope); to set up information services on the WWW; and to test tools developed for *EUVE* that may be useful for other missions.

Becoming a GI is extremely simple. Just fill out the *brief* registration form available via the CEA WWW site (http://www.cea.berkeley.edu/) or contact the *EUVE* Science Archive (archive@cea.berkeley.edu; 510-642-3032).

3. Summary

A large volume of *EUVE* science data is now publicly accessible. To promote its use CEA has established the GI Science Program, the purpose of which is to provide to researchers information on and training in the use of publicly available *EUVE* data sets. In effect, the GI Program offers to the research community the technical experience and intricate knowledge of the *EUVE* data that resides at CEA. The Program is open to all interested researchers—astronomers, technologists, engineers, educators, and the general public—and CEA welcomes and encourages your participation.

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REFERENCES

BOWYER, S. & MALINA, R. F. 1991, The Extreme Ultraviolet Explorer Mission, in Extreme Ultraviolet Astronomy, ed. R. F. Malina & S. Bowyer, New York: Pergamon, 387