Smithsonian Astrophysical Observatory

RESET

Chandra General Observing Program Performance Report

Form CRG-99-1, March 2002

1. TYPE OF REPORT:
INTERIM ☐ FINAL ☑

☐ CHECK HERE IF YOU ARE SUBMITTING THIS REPORT FOR ALL INVESTIGATORS ASSOCIATED WITH THIS PROJECT AND PROVIDE A SUMMARY OF THE EFFORTS OF EACH INDIVIDUAL.

5. SAO AWARD NUMBER:
GO2-3030A

6. CXC PROGRAM OFFICE APPROVAL & DATE:
For internal use only.

2. NAME & ADDRESS OF THE AWARDEE INSTITUTION:
Swarthmore College
Dept. of Physics and Astronomy
500 College Ave.
Swarthmore PA 19081

7. TITLE OF THE PROJECT:
High-Resolution X-ray Spectroscopy of Beta Crucis: A Nearby Hot Star with a High X-ray Count Rate

3. NAME OF THE INVESTIGATOR:
Prof. David H. Cohen

8. PERIOD OF PERFORMANCE:
Feb. 2002 - Feb. 2004

4. EQUIPMENT TO REPORT. [If yes, attach Form CE-99-1.]
YES ☐ or NO ☑

9. PATENTS/INVENTIONS TO REPORT. [If yes, attach NASA Form 1679.]
YES ☐ or NO ☑

10. Explain the objectives of the research and the results obtained, including the Education and Public Outreach [E/PO] component of the Award, if applicable. Please do not exceed 3 pages in length, excluding copies of publications, preprints and related materials.

See attached document: dcohen_betacru_report_results.txt

11. Cite the title[s] and date[s], or anticipated date[s], of the publication of results:

We will be submitting a paper, likely to the ApJ, by the end of the summer, and possibly presenting the results at an upcoming meeting. Please see the webpage we have set up for this project for continuously updated information about the project, including, eventually, a link to papers, posters, and press-releases. The URL of the project site is http://astro.swarthmore.edu/~cohen/projects/betacru/

12. SIGNATURE OF THE INVESTIGATOR: **DATE:**

SUBCONTRACTS AND PROCUREMENT DEPARTMENT
GRANT AWARDS SECTION, MAIL STOP 22