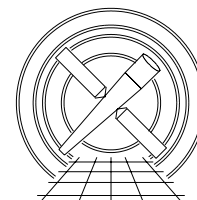


CHANDRA X-ray Center



Harvard-Smithsonian Center for Astrophysics, 60 Garden Street, Cambridge, MA 02138 (617)496-7940 Fax (617)495-7356

September 14, 2007

Dear Colleague

The Chandra X-ray Center (CXC), on behalf of NASA, is sending this letter to inform the community of the impending availability of data and to solicit proposals from individuals or groups interested in archival research on the Chandra Deep Field South. New observations of the CDFS, doubling the existing exposure time on this field from 1Msec to 2Msec, are planned for this fall as part of the Cycle 8 Director's Discretionary Time (DDT) program. Assuming current scheduling plans are followed, the observations will be completed in Nov/Dec 2007 and will be publicly released as they enter the archive. As an official product, we will also release a merged dataset once the full exposure time has been reached. This will include all 2007 datasets with the aspect solution, based on refined astrometry determined from measured matched source positions, reprojected onto a common frame, reprocessed and merged. Estimated release date for the merged dataset is 3 weeks after the last observation has successfully completed V&V, this would be late November based on the current Long Term Schedule.

We solicit proposals that utilize the new observations of the CDFS in conjunction with existing Chandra data on this, and potentially other Chandra fields, to significantly advance our knowledge of the X-ray emission in the universe and the objects responsible for it. Proposers are encouraged to search ADS and make use of the Chandra publications linked from the observations in the archive to investigate existing work on this and related datasets and so place their proposed research in the context of our current knowledge.

Proposal Preparation, Submission and Review

Proposers requesting financial support should prepare a scientific justification of no more than 4 pages following the guidelines listed in Appendix C of the Chandra Cycle 9 CfP (Call for Proposals, on the web at: <http://cxc.harvard.edu/proposer/CfP/>). Proposals should include a clear statement of the scientific question(s) to be addressed, and a description of the data required and the analysis to be performed to answer them. Where data from other facilities are required, sufficient technical information should be included to demonstrate that data of the required type and quality are available or can be obtained and that the proposer has access to any required facilities. If observing time is not already allocated, a planned time-line for obtaining data should be included in the proposal.

Proposals should be submitted to the CXC using the RPS (Remote Proposal System) system as described in the Chandra Cycle 9 CfP. RPS is available on our website:

<http://cxc.harvard.edu/cgi-bin/RPS/Chandra/RPS.pl>

Since archival proposals include no Chandra target requests, only the Cover Page and the General Form from RPS are required. **N.B.** The proposal type for this submission should be set to "ARCHIVE/CDFS", which will be available in the RPS on the CXC website on 21 Sept 2007.

A peer review will be held by the CXC \sim 1 month after the proposal deadline to review the proposals and recommend funding for those which are sufficiently highly ranked.

This proposal call is open to all eligible scientists based in the US. Non-US scientists may participate as members of proposing teams (and may provide required data as part of their participation), but funding is not available to support non-US-based participants.

Funding

The science proposals should include a total budget amount, entered on the RPS Cover Page. The science justification should include, within the 4-page limit, a section (\sim 0.5 pages) which describes how the funds will be used and details any funds required for supporting observations. Funding for activities depending on the future award of observing time will be allocated contingent upon the successful award of that time.

The total amount of funding expected to be available for this call is \$350,000 over a period of up to 2 years.

Successful proposers will be asked to submit a cost proposal following the guidelines described in Chapter 8 of the Chandra Cycle 9 CfP. This will include a one-page justification and statement of work entered via the RPS Cost Proposal interface with hardcopies sent to the SAO Grant Awards Secion. Information may be found on the CXC website at:

<http://cxc.harvard.edu/cdo/funding.html>

and on the Grant Awards Section website at:

<http://www.cfa.harvard.edu/sp/policies/CPSR.html>

Details of submission place and time will be sent to successful proposers and posted on our web-site once the proposal review is complete and the results announced.

Anticipated Schedule

Date	
Release of Dear Colleague Letter	14 Sept 2007
Proposal Deadline	7 Nov 2007, 5pm EDT
Peer Review	Nov/Dec 2007
Selection Announced	Dec 2007
Budget Deadline	20 Dec 2007

The Chandra Deep Field South

The full Chandra deep survey observations comprise a mix of GTO, GO and Director's Discretionary Time and when completed will provide $\sim 2 \times 10^6$ secs of exposure on a $16' \times 16'$ ACIS-I field centered on RA: 03 32 28.00, DEC: -27 48 30.00. The new observations are referenced under sequence number 900737 and are currently scheduled to be observed in segments over the period 19 Sept–12 Nov 2007.

Belinda J. Wilkes
Assistant Director
Chandra X-ray Center

PROPOSAL INFORMATION

IDENTIFIER: CXC-AR-00-03

PROPOSAL DUE DATE: 7 Nov 2007, 5pm EDT (science justification)

SUBMISSION: Scientific Justification to be submitted via
RPS on the CXC website: <http://cxc.harvard.edu>

BUDGET DEADLINE: 20 Dec 2007
Budget forms should be sent to:

Grant Awards Section
Smithsonian Astrophysical Observatory
60 Garden Street MS-22
Cambridge, MA 02138 USA

Courier Delivery (i.e. FedEx):
Grant Awards Section
Smithsonian Astrophysical Observatory
100 Acorn Park Drive, Mail Stop 22
Cambridge, MA 02140-2302

SELECTING OFFICIAL: Dr. Harvey Tananbaum,
Director, Chandra X-ray Center,
Smithsonian Astrophysical Observatory,
60 Garden St.,
Cambridge, MA 02138

NOTIFICATION DATE: Dec 2007

DIRECT TECHNICAL QUESTIONS TO:
CXC Helpdesk: on the web at: <http://cxc.harvard.edu>
(direct link: <http://cxc.harvard.edu/helpdesk/>)
Dr. Belinda J. Wilkes
TEL: 617-495-7268, FAX: 617-495-7356

DIRECT AWARD QUESTIONS TO:
Grant Award Section
Smithsonian Astrophysical Observatory
60 Garden Street MS-22
Cambridge, MA 02138 USA
TEL: 617-497-7705
E-mail: Grants@cfa.harvard.edu

MORE INFORMATION AVAILABLE: <http://cxc.harvard.edu>

