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Collection Overview

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Descriptive Entry

This accession consists of contract files dealing with the research, development, and construction of the Advanced X-Ray Astrophysics Facility (AXAF), now known as the Chandra X-Ray Observatory; and its components; the High Resolution Camera (HRC); the Advanced CCD Imaging Spectrometer (ACIS); and its two transmission grating spectrometers, one set optimized for low energies (LETG) and the other for high energies (HETG). The records track in detail the steps and methods involved in the creation of the AXAF as well as document the discussions between scientists, administrators, and outside contractors. Organizations and companies involved include Eastman Kodak Company; TRW Inc., Space and Technology Group; Hughes Danbury Optical Systems; the National Aeronautics and Space Administration; the Massachusetts Institute of Technology Center for Space Research; Ball Corporation; HTS Design Engineering; Computer Sciences Corporation; Schaeffer Magnetics, Inc.; and Composite Optics, Inc. Materials include correspondence, memorandum, reports, spreadsheets, and drawings. Some materials are in electronic format.

Names and Subject Terms

This collection is indexed in the online catalog of the Smithsonian Institution under the following terms:

Subjects:

Astronomical photography
Astrophysics
Engineering contracts

Research
Research and development contracts
Spectrometer

Types of Materials:

Architectural drawings
Drawings
Electronic records
Floppy disks
Manuscripts

Names:

Advanced X-Ray Astrophysics Facility (U.S.)
Ball Corporation
Chandra X-ray Observatory (U.S.)
Composite Optics, Inc.
Computer Sciences Corporation
Eastman Kodak Company
HTS Design Engineering
Hughes Danbury Optical Systems
Massachusetts Institute of Technology. Center for Space Research
Schaeffer Magnetics, Inc.
TRW Inc. Space and Technology Group
United States. National Aeronautics and Space Administration

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