

A PROPOSAL FOR THE ORGANIZATION OF THE ACTIVITIES CONCERNING THE SAX DATA ANALYSIS, CALIBRATION, DISTRIBUTION AND ARCHIVE (THE "CENTRO DATI SCIENTIFICI")

(Document prepared by the Data Analysis Working Group, DAWG)

December 15th, 1987

- 1. Introduction..... 1
- 2. Some premises 2
- 3. Functions and activities of the CDS..... 3
 - 3.1. Data processing S/W development and mantainance 3
 - 3.2. Archive and Data Base 3
 - 3.3. Special Services..... 4
- 4. Staff and timeline..... 4
- Appendix 8

1. Introduction

The nature of the SAX mission is that of an astrophysical observatory in space. As other missions of this type, like the Einstein Observatory, EXOSAT and ROSAT demonstrate, the complex of activities dealing with the calibration, analysis, distribution and archiving of the scientific data represent a heavy task. Since the early days of the project, the Consortium of Institutes has recognized that this task, in order for the program to arrive at the operational phase in good shape, needs to be implemented during several years before the launch of the satellite. For this reason the Consortium proposed the creation of a "Centro Dati Scientifici" (CDS) as the organizational framework within which those activities should be carried out, and attributed to the DAWG the task of defining its functional structure.

This document is the first outcome of the work done by the DAWG on this task. After some premises on the context within which the CDS is conceived to operate (Section 2), in Section 3 it describes the CDS function and activities, in Section 4 it identifies the types of competence required and proposes a composition of the staff according to the various roles, along with a timeline. Although the DAWG is aware of the "logistic" problems connected with the fact that the CDS activities will necessarily be carried out partly in a "distributed" and partly in a "concentrated" manner (at the Institutes and at the physical Centre respectively), this document does not address these problems.

Before entering into the matters of the CDS, the DAWG would like to stress a concept that has inspired all the discussions leading to this proposal and that should serve as a guideline for the work to come, namely that the management of the S/W for the processing and analysis of data from a mission of this type should stay in the hands of the scientists. This concept follows from previous experience, which "has shown



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To: G. Boella, E. Costa, F. Frontera, G. Manzo, L. Scarsi;
J. Bleeker, B. Brinkman;
and to the members of the Data Analysis Working Group: L. Buccheri,
L. Chiappetti, D. Dal Fiume, G. De Biase, G. Di Cocco, J. Heise,
M. Morini, B. Sacco, P. Ubertini

Dear colleague,

I send you a copy of the document on the CDS prepared by the DAWG. This document should be discussed in the next meeting of the "Coordination Group" to be called by Boella (around Jan. 21).

All members of the DAWG have contributed to this document, but I feel obliged to express my special thanks to L. Chiappetti and M. Morini for the extra help I have asked them to give me in its preparation and finalization.

Best regards

Perola
G. C. Perola

Document for which no computer readable source exists any longer

Partial scan of original hardcopy of 13 pag. (available on request) supplied

I5 **Guest Observer assistance**

Guest Observer assistance should be shared among all members of scientific staff of CDS, with some shift system.

J **Newsletters.**

Some sort of Newsletter are needed. Under this one should intend quick circulation about mission status, calibration status and updates, particular algorithms for reduction and analysis. Distribution might also occur via electronic mail. It requires one scientific supervisor (editor, not full time), plus a secretary for typesetting (again not full time). Dispatch (if in printed form), see staff for I3 above.