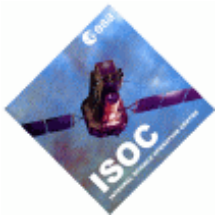
INTEGRAL

Science Operations Centre

Announcement of Opportunity for Data Rights Proposals



AO-7 Data Rights Proposals

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1 Accepted Open Time proposals

1.1 Introduction

We have for the first time in AO-7 divided the call for proposals into two distinct calls: the first, for Open Time proposals, and the second, for Data Rights proposals. There is now an ESA-approved programme based on all the accepted Open Time proposals, and this document addresses issues related to the second call for Data Rights proposals that can be associated to approved non-TOO Open Time observations.

The idea of associating Data Rights proposals to non-TOO Open Time proposal is a generalisation of the Key Programme concept. This is possible because of INTEGRAL's large field of view (FOV) that typically contains more than one source, allowing scientists interested in different sources or astrophysical phenomena to simultaneously benefit from the same observation, and through this, maximize the mission's scientific return. All Data Rights proposals must contain a clear justification of the exposure time needed to achieve the scientific objectives.

1.2 The proposals

Twenty six non-TOO Open Time proposals have been approved in the AO-7 general programme. One of them, the Galactic Bulge monitoring programme (PI: Kuulkers, ID: 0720001), provides immediate public access to the data. Nine are from PIs associated with Russian Federation institutions, and are open for associations only to scientists with Russian affiliations. Hence sixteen proposals are open to the world-wide community for associated Data Rights proposal (see §2.2 and Table 1). Detailed web-based information about each one is available here. Clicking on the proposal ID links to a page containing details about the proposal that include the abstract, observation strategy, data rights and exposure map. Please note that some proposals have non-standard observation strategies, which should be considered when assessing the scientific goals of your subscription. For your convenience, we provide a Proposal Query Tool that for one or more sources, returns the list of proposals whose fields contain the specified coordinates.

2 Data Rights

2.1 Introduction

The execution of any non-TOO AO-7 observation providing data to the PI of the observation and to PIs of approved targets from associated Data Rights proposals can be considered as an "amalgamated" observation from a data rights point of view. Proposers must respect the exclusive data rights assigned to the PIs.

The TAC will review all proposals during the standard peer review process, and assign data rights on specific sources (and not on the entire FOV) for the accepted proposals. The case of sources that have not been allocated and/or discovered serendipitously is discussed below.

After completion of the TAC process, ISOC will inform all participating PIs about the allocated targets. A list of all approved targets per observation will be maintained on the ISOC web site. Data from targets assigned to PIs remain their property for the usual one-year proprietary period.

2.2 Submission of Data Rights Proposals

All accepted non-TOO AO-7 observations are, in principle, open for associated Data Rights proposals submitted by the world-wide scientific community at large in response to this Call. There are, however, some restrictions (see Table 1):

i. For programmes led by PIs from the Russian Federation, associated Data Rights proposals can be submitted exclusively by scientists affiliated with institutes and universities located in the Russian Federation.
ii. For programmes whose data will be made public immediately, associated Data Rights proposals will not be accepted.
iii. For programmes with an observing strategy involving scans executed as "slew-and-stare" rather than the usual dither pattern, it is important to remember that the exposure per pointing can be short, and therefore the exposure on a given source may be shallow.
iv. Valid targets for Data Rights proposals include: known point sources (specified as a list) and extended regions of diffuse emission (specified by coordinate boundaries or FOV). It is also possible to request specific energy intervals for both sources and extended regions (e.g., 511 keV or 1.8 MeV).
v. Not valid targets for Data Rights proposals include: unknown and serendipitous sources, and any class of sources without specific identification like, e.g., all AGN in the FOV.

2.3 Detailed Data Rights

For any non-TOO AO-7 observation whose scientific data can be exploited, all participating PIs will:

1. Receive the data from the entire FOV for processing and analysis, as this cannot be avoided due to the characteristics of coded aperture instruments.
2. Have exclusive data rights on point sources and/or extended regions allocated to them by the TAC for the usual one-year proprietary period.
3. Be allowed to publish results on any other source or extended region contained in that observation which has not been allocated by the TAC. This rule also applies to all serendipitous sources.

Table 1: Overview of all accepted non-TOO AO-7 observations and restrictions concerning the submission of associated data rights proposals.

Observation ID	Grade	PI	Restrictions & comments
720010	A	Sazonov	Associated data right proposals can be submitted exclusively from scientists affiliated with Russian institutes and universities.
720011	C	Revnivtsev	
720012	A	Shakura	
720014	A	Cherepashchuk	
720025	B	Molkov	
720039	C	Grebenev	
720041	B	Sunyaev	
720044	A	Tsygankov	
720049	A	Krivonos	
720041	B	Sunyaev	Exposure per pointing might be unusually short due to the slew-and-stare observation strategy.
720044	A	Tsygankov	
720049	A	Krivonos	
720001	A	Kuulkers	Data are made public immediately and therefore subscriptions to individual sources are not possible.
720003	B	Strong	No restrictions
720006	A	Walter	
720007	C	Diehl	
720009	C	Beckmann	
720013	C	Soldi	
720015	A	Dean	
720016	A	Petricci	
720017	C	Coe	
720018	A	Weidenspointner	
720022	B	Ajello	
720026	A	Martin	
720027	A	Den Hartog	
720028	A	Ubertini	
720030	A	Martin	
720035	B	Wilms	
720047	A	Terrier	