

# ***INTEGRAL***

**Science Operations Centre**

## **Announcement of Opportunity for Data Rights Proposals**



### **AO-8 Data Rights Proposals**

INT/OAG/20-0334/Dc

Issue 1

30 August 2010

Prepared by C. Winkler



***INTEGRAL***

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Proposals***

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## 1 Introduction

The purpose of this document is to provide an overview of this Announcement of Opportunity, which is calling for data rights proposals to targets within previously approved AO-8 observing programmes.

## 2 Accepted Open Time Proposals

We have divided the AO-8 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 accepted AO-8 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 scientific justification of the exposure time needed to achieve the scientific objectives.

Seventeen non-TOO open time proposals have been approved in the AO-8 observing programme<sup>1</sup>. Two of them, the galactic bulge monitoring programme (PI: Kuulkers, ID: 820001), and the galactic plane scans (PI: Bazzano, ID: 820021) provide immediate public access to the data and, therefore, data rights proposals can not be accepted for those two programmes. Five accepted non-TOO observing programmes are from PIs associated with Russian Federation institutions, and are open for associations only to scientists with Russian affiliations. Hence ten programmes are open to the world-wide community for associated data rights proposal (see also §3.2 and Table 1). Detailed information about each of the ten AO-8 programmes is available at the INTEGRAL web-site<sup>1</sup>. 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 the INTEGRAL web-site also provides a "Proposal Query Tool" that for one or more sources, returns the list of proposals whose fields contain the specified coordinates.

## 3 Data Rights

### 3.1 Introduction

The execution of any non-TOO AO-8 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.

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<sup>1</sup> <http://integral.esac.esa.int/>



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The TAC will review all data rights 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.

### 3.2 Submission of Data Rights Proposals

All accepted non-TOO AO-8 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 details in 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 400 to 600 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”.

### 3.3 Detailed Data Rights

For any non-TOO AO-8 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-8 observations and restrictions concerning the submission of associated data rights proposals.*

Observation ID	Grade	PI	Restrictions & comments
820026	A	Cherepashchuk	Associated data right proposals can be submitted exclusively from scientists affiliated with Russian institutes and universities.
820029	A	Lutovinov	
820030	A	Sazonov	
820037	B	Sunyaev	
820038	C	Grebenev	
820029	A	Lutovinov	Exposure per pointing might be unusually short due to the slew-and-stare observation strategy.
820002	B	Strong	
820037	B	Sunyaev	
820001	A	Kuulkers	Data are made public immediately and therefore subscriptions to individual sources are not possible.
820021	B	Bazzano	
820014	A	Walter	No restrictions
820018	A	Zdziarski	
820024	A	Weidenspointner	
820025	A	Wilms	
820027	A	Terrier	
820033	A	Staubert	
820004	B	Martin	
820022	C	Misanovic	
820036	C	Kadler	