



## The INTEGRAL AO-9 programme and INTEGRAL's legacy

## AO-9 and INTEGRAL legacy



Minutes IUG Meeting Dec 2010, item #8:

"...at the next meeting, IUG will review the match of the approved AO-9 programme with the long-term science goals. Depending on this match, further steps might be taken (e.g., future special legacy programmes) to make sure the long term goals will be secured."

This intention was mentioned in the AO-9 documentation, and the science case for mission extension (incl appendices) is part of the AO-8 data package for the science community and for the TAC.







## TAC AO-9 recommendations (non-ToO)



- 8 June 2011: TAC recommended the AO-9 observing programme
- Approval by Director of Science is pending.

The following table shows – for the sole purpose of this IUG dicussion – the necessary "elements" of this AO-9 <u>recommended</u> programme (but leaving out proposal ID, PI and exact proposal title)







Objective	MY (confirmed/new)	Recomm. exposure (Ms)
LMC/SN 1987A	MY – new	3.0
511 keV longitude distribution		2.5
Ultra-lum X-ray sources/low lum AGN	MY – new	2.0
Galactic plane scans	MY – confirmation	2.0
Galactic centre survey	MY – new	2.0
Galactic anti-centre survey (I = 150)		2.0
Galactic halo diffuse emission	MY – confirmation	1.6
3C 273 region	MY – confirmation	1.5
Monitoring: inner spiral arms (Per/Nor, Scu/Sgr)		1.2
Microquasars GRS 1915+105 + Cyg X-1	MY – confirmation	1.2
Carina arm/galactic diff emission		1.0
GC/ galactic diff emission		1.0
NGC 4151 monitoring		0.8
Cyclotron lines		0.6
Monitoring: galactic bulge		0.5
Ultra compact binary		0.5
- SS 43		0.4
Circumstellar environment of SFXT		0.2

