Bright LMXRBs in INTEGRAL's Core Program

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Welcome to our wonderful web-page! :-)  
Last Change: September 11th, 2002
We will put on web weekly from Monday morning GPS scans and twice/year deep GC exposures:

- Map of the plane with 72 sources
- Number of sources is increasing
- Fluxes, colors, cc diagrams ...
- V-magnitudes
- Light curves
- Variability flags
LMXRBs and scan lines

NOTE: this is not an all sky monitor
SPI – IBIS – JemX FOVs
From shadowgram to spectrum.

IBIS 10 mCrab source 3000 sec
Continuum Sensitivity in GPS

- 6 keV : 2 mCrab
- 100 keV : 10 mCrab
- 1 MeV : 350 mCrab

at 100 keV can see:

- hard thermal/nonthermal tails of brightest Z-sources (GX17+2, GX349+2)
- hard (Comptonized) flux of low state atolls (GS1826-238)
example: transient 4U 1630-47
l=337 deg b=0.25 deg

will be observed
20 times between
Feb1 – April 15
and
Aug15 – Oct31
compare ASM
present=blue
Remarks

- joint Integral/Chandra/XMM-Newton programs appreciated in future AO’s
- Integral CP can make good statistics of ccc-behaviour of LMXBs and provide physically meaningful spectral fits of the brightest ones
- Integral’s triggering capability is limited but will search for transients
- Need ASM