

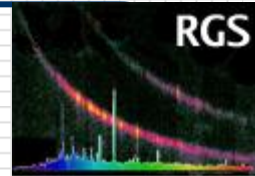
8th ESAC SAS Workshop

June 24 - 27 2008

Step-by-step guide to the RGS data analysis threads

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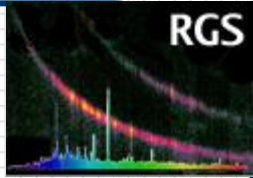
Two Threads

- How to reduce RGS data and extract spectra of point-like sources
http://xmm.esac.esa.int/sas/current/documentation/threads/rgs_thread.html
- rgsproc, coordinates and masks
http://xmm.esac.esa.int/sas/current/documentation/threads/rgs_thread_2.html

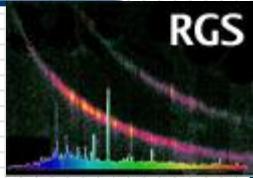
How to reduce RGS data and extract spectra of point-like sources

- running rgsproc
- the output filenames
- checks:
 - ✓ coordinates
 - ✓ extraction regions position
 - ✓ high background periods
- ...and answers to some frequent questions

rgsproc, coordinates and masks



- How to deal with some common problems
 - ✓ wrong source coordinates
how to change the coordinates of the prime source
 - ✓ several sources in the Field of View
how to change the background region
 - ✓ moderately extended sources
how to change the size of the extraction region



RGS data for the hands-on session

AB Dor	Active star, emission line object, off-axis
PKS 0558-504	Quasar, continuum spectrum
Mkn 421	BL Lac, continuum spectrum
G21.5-09	SNR, extended source
Lockman Hole	Empty field
HD 13499	F star, empty field