

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.shtml

rgsproc, coordinates and masks

http://xmm.esac.esa.int/sas/current/documentation/threads/rgs_thread_2.shtml



- running rgsproc
- · the output filenames
- · useful checks:
 - √ coordinates
 - ✓ extraction regions position
 - √ high background periods

...and answers to some frequent questions



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



AB Dor :
Active star, emission line object

PKS 0558-504:

Quasar, continuum spectrum

Mkn 421: BL Lac, continuum spectrum

G21.5-09: SNR, extended source

HD 13499: F star, empty field

Lockman Hole: Empty field



