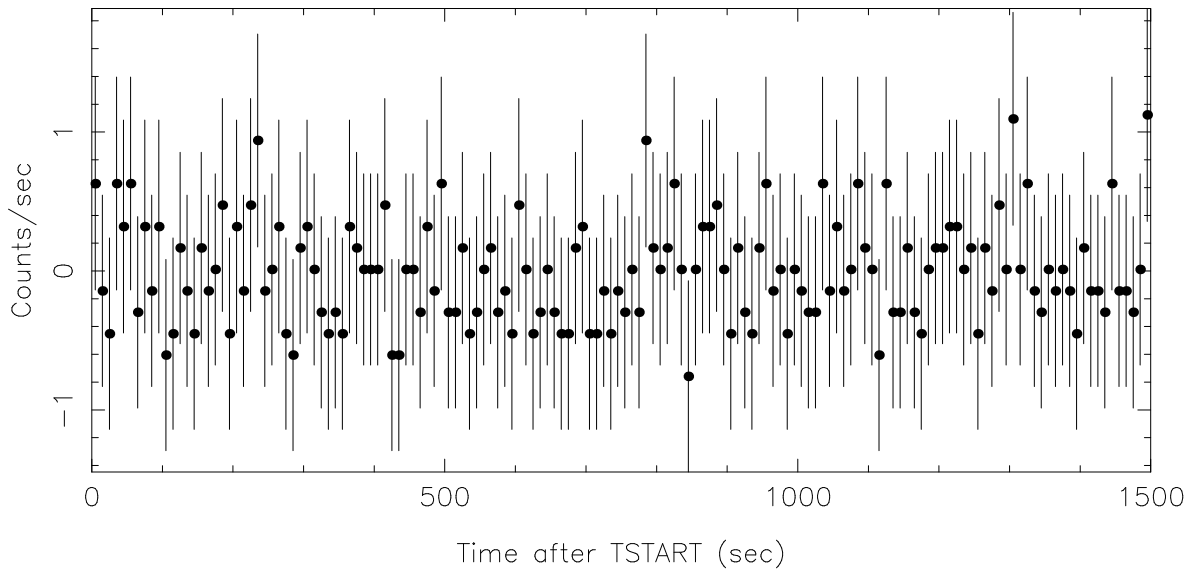


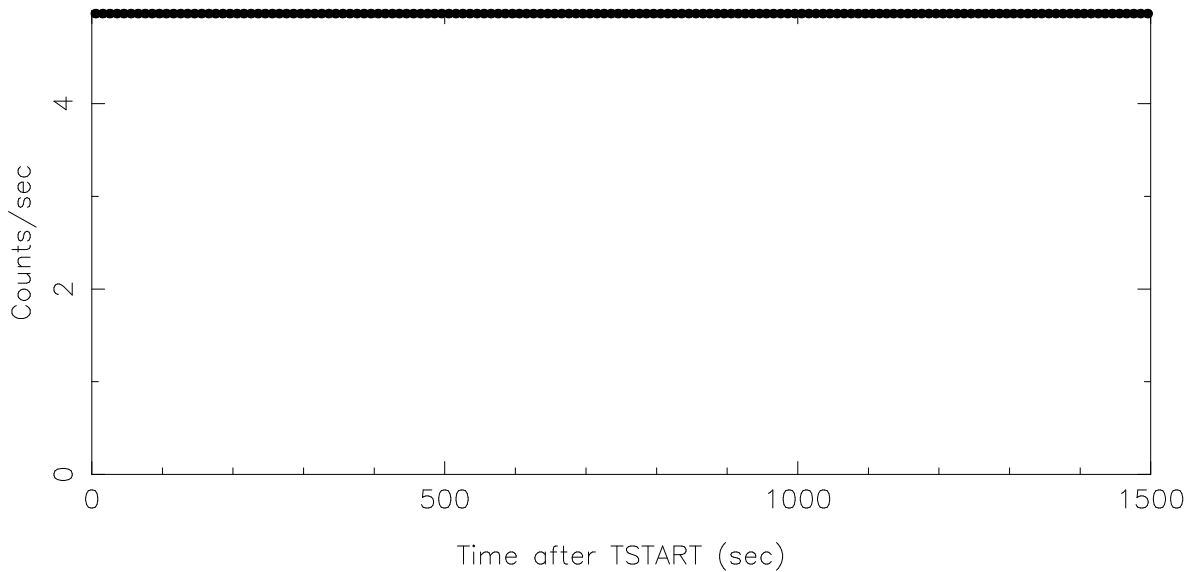
|                      |   |  |
|----------------------|---|--|
| XMM                  | OBJECT: Mrk 509                               | OSW ID: 1                                  |
| OM                   | OBS ID: 0601390601                            | TIME START: 3.73524289×10 <sup>8</sup> MJD |
| REDUNDANT            | EXP ID: 0601390601402                         | SRC EXTR. AREA: 113 pix                    |
| FAST                 | PI: Dr Jelle Kaastra                          | BKGRND EXTR. AREA: 548 pix                 |
| PSF FRAC. INC: 0.811 | SRC NO: 1                                     | START: 2009-11-02T04:43:42.000             |
| VIGNET. CORR: YES    | ORIG. BIN: 10 s                               | STOP: 2009-11-02T05:08:41.000              |
| SRC RA: 311.0335     | PLOTTED BIN SIZE: 10 s                        | EXP: 1500 s                                |
| SRC DEC: -10.72703   | FILE: product/P0601390601OMS402TIMESR1001.FIT |  |

RATES 1

Net time series, BACKGROUND SUBTRACTED — Mean Rate=-0.01458756



Background time series — Mean Rate=4.97222368



# VARIABILITY TESTS

NUMBER OF BINS : 150 BIN SIZE : 10 sec.

## RATES 1

|                    |   |                            |
|--------------------|---|----------------------------|
| Mean c/s           | : | 4.96521536 Net: 0          |
| Variance (c/s)**2  | : | 0.13990918 Net: 0.13990928 |
| Chi Square (Total) | : | 41.985024 (149 dof.)       |
|                    |   | Prob. = 1                  |