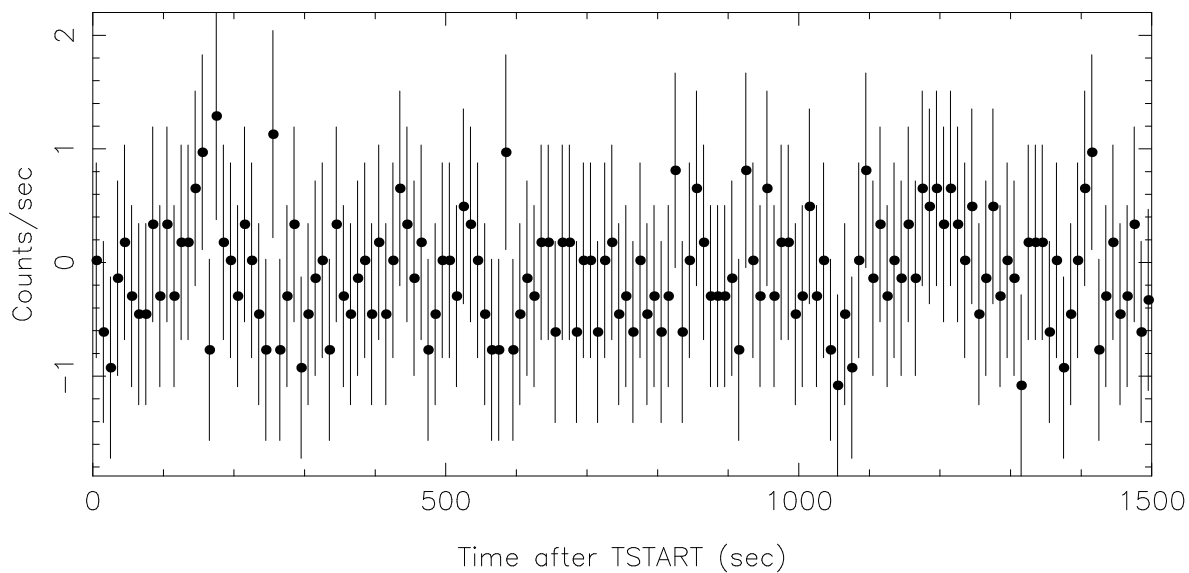


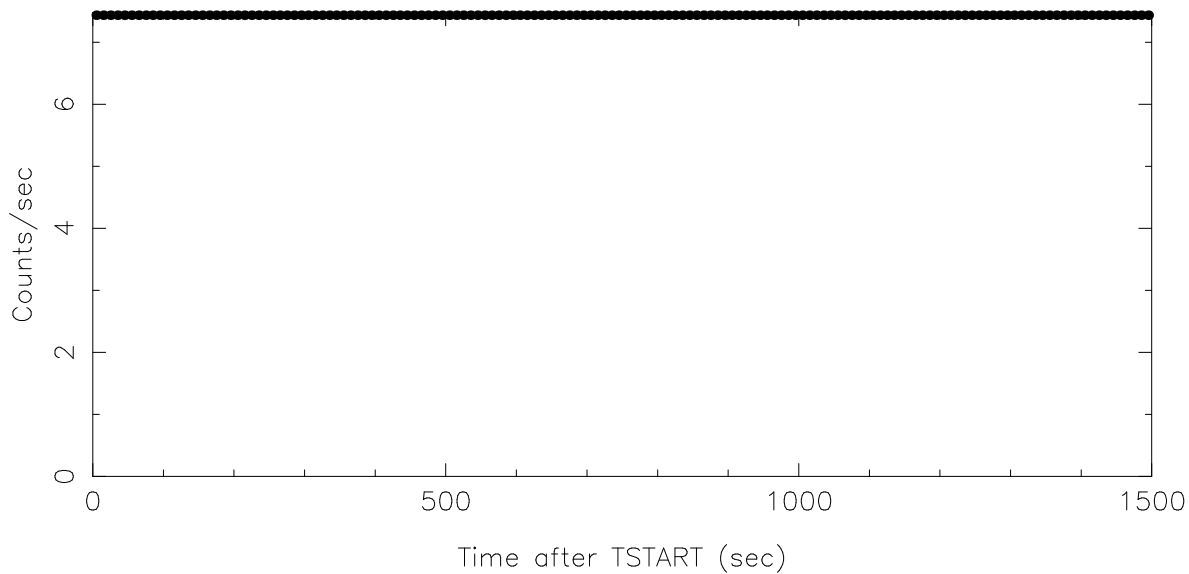
|                      |   |  |
|----------------------|---|--|
| XMM                  | OBJECT: Mrk 509                               | OSW ID: 1                                  |
| OM                   | OBS ID: 0601390601                            | TIME START: 3.73542506×10 <sup>8</sup> MJD |
| REDUNDANT            | EXP ID: 0601390601410                         | SRC EXTR. AREA: 111 pix                    |
| FAST                 | PI: Dr Jelle Kaastra                          | BKGRND EXTR. AREA: 513 pix                 |
| PSF FRAC. INC: 0.770 | SRC NO: 1                                     | START: 2009-11-02T09:47:19.000             |
| VIGNET. CORR: YES    | ORIG. BIN: 10 s                               | STOP: 2009-11-02T10:12:17.000              |
| SRC RA: 311.0329     | PLOTTED BIN SIZE: 10 s                        | EXP: 1500 s                                |
| SRC DEC: -10.72489   | FILE: product/P0601390601OMS410TIMESR1001.FIT |  |

RATES 1

Net time series, BACKGROUND SUBTRACTED — Mean Rate=-0.0835909



Background time series — Mean Rate=7.43634624



# VARIABILITY TESTS

NUMBER OF BINS : 150 BIN SIZE : 10 sec.

## RATES 1

|                    |   |                            |
|--------------------|---|----------------------------|
| Mean c/s           | : | 7.35111616 Net: 0          |
| Variance (c/s)**2  | : | 0.23202018 Net: 0.23202028 |
| Chi Square (Total) | : | 47.0282432 (149 dof.)      |
|                    |   | Prob. = 1                  |