

V&V Summary Report

L2 ASCDS Version : 7.6.11.1

Observation 1452 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Sep 6 2007

See axaff01452N001_VV001_vvref2.pdf for the full report

| | |
|----------------------------|-------------|
| V&V Scientist | Joy Nichols |
| V&V Date (YYYY-MM-DD) | 2007.09.07 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 27.946 |

Comments

This is the second obi of a multi-obi observation. The first obi, obi=0, was mistakenly observed without the fid lights turned on, so there are no Level 2 data for obi=0. This obi, obi=1, has been reprocessed as a single observation because there is no reason to try to combine the Level 2 products for obi=0 and obi=1.=====

Spectral extraction uses the position of Sirius A as the zeroth order, so the wavelengths are correct for Sirius A but slightly offset for Sirius B. The dispersed spectra of Sirius A and B overlap one another and would require custom extraction techniques to separate.=====

There are several periods during the observation when the DTF is less than 0.8 and the count rate is also anomalously high during those periods. A high radiation environment during the observations is believed to be the cause of the spikes in the count rate.

| | |
|----------|---------------------|
| seq_num | 280402 |
| obs_id | 1452 |
| title | |
| observer | Dr. CXC Calibration |
| object | SIRIUS B |
| ra_targ | 101.295833 |
| dec_targ | -16.701389 |
| ra_nom | 101.298165 |
| dec_nom | -16.696431 |
| roll_nom | 72.408889 |
| revision | 4 |
| ontime | 27955.082303151 |
| livetime | 27472.144984074 |
| l2events | 2871585 |

