

V&V Summary Report

L2 ASCDS Version : 8.1.2

Observation 1094 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 17 2009

See axaff01094N001_VV001_vvref2.pdf for the full report

| | |
|----------------------------|-------------|
| V&V Scientist | Joy Nichols |
| V&V Date (YYYY-MM-DD) | 2010.07.28 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 0.998 |

Comments

Target is very off-axis on S3.

====(SIM TT = 92903, SIM FA = -504)

====

Charge time for this ObsId remains at original value of 0.998 ksec, although with the current processing the charge time would have been 0.995 ksec.

====

One of the 5 guide stars was not acquired for this observation.

====

The focal plane temperature is approximately -100 C during this observation. This reprocessing of the data applies no CTI correction because none is available for this temperature at present.

The ACIS CTI correction has not been calibrated at this temperature, because it was early in the mission, and ACIS had not yet been lowered to the standard -119.7 C. Both front and back illuminated chips are affected. However a T_GAIN correction has been applied to the BI chips (ACIS-5 and ACIS-7) data included here.

The ACIS spectral response calibration is less accurate at these warmer temperatures than it is at -119.7 C. Users whose science objectives

spectra) may notice an effect. Users whose science objectives do not depend on the most accurate spectral response should not notice an effect.

| | | |
|----------|---------------------|--|
| seq_num | 480044 | Sequence number |
| obs_id | 1094 | Observation id |
| title | | Proposal title |
| observer | Dr. CXC Calibration | Principal investigator |
| object | LMC X-1 | Source name |
| dtcycle | 0 | |
| cycle | P | events from which exps? Prim/Second/Both |
| ra_targ | 84.914583 | Observer's specified target RA |
| dec_targ | -69.743611 | Observer's specified target Dec |
| ra_nom | 85.546940873656 | Nominal RA |
| dec_nom | -69.572694388069 | Nominal Dec |
| roll_nom | 113.36242961183 | Nominal Roll |
| revision | 3 | Processing version of data |
| ontime | 995.20000092685 | Sum of GTIs [s] |
| livetime | 982.59817927762 | Livetime [s] |
| ontime0 | 995.20000092685 | Sum of GTIs [s] |
| ontime1 | 995.20000092685 | Sum of GTIs [s] |
| ontime2 | 995.20000092685 | Sum of GTIs [s] |
| ontime3 | 995.20000092685 | Sum of GTIs [s] |
| ontime6 | 995.20000092685 | Sum of GTIs [s] |
| ontime7 | 995.20000092685 | Sum of GTIs [s] |
| l2events | 58045 | Number of level 2 events |

