

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 57597 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : May 21 2012

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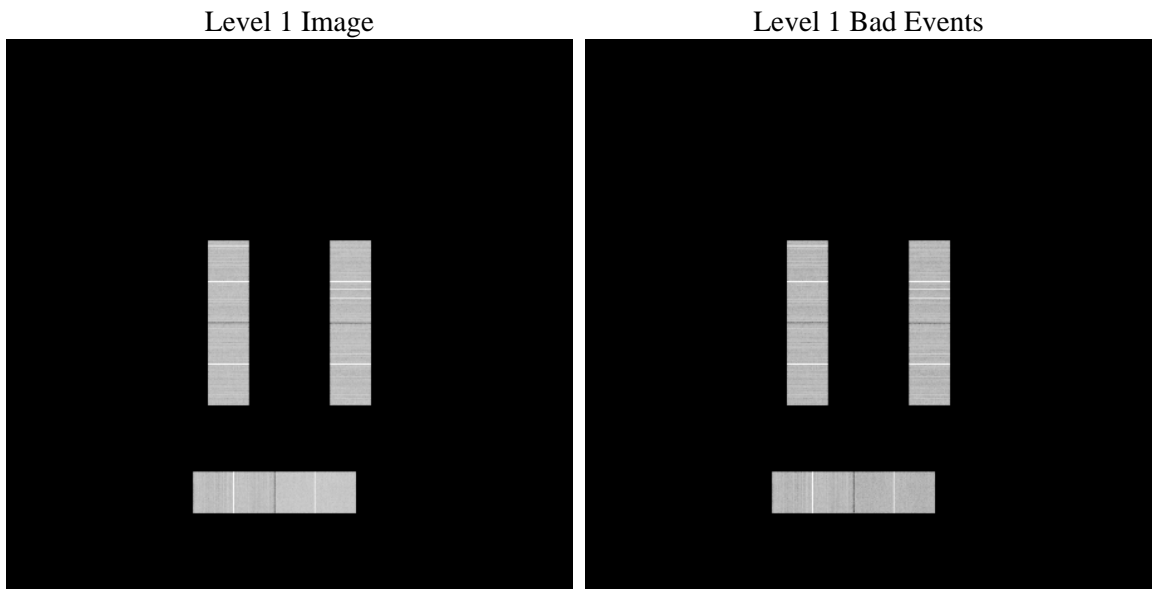
1 Front

| | | |
|----------|---|---------------------------------------|
| seq_num | | Sequence number |
| obs_id | 57597 | Observation id |
| title | ACIS-012367 diagnostics | Proposal title |
| observer | CHANDRA engineering request/realtime commanding | Principal investig |
| object | | Source name |
| ra_targ | 0.0 | Observer's specified target RA [deg] |
| dec_targ | 0.0 | Observer's specified target Dec [deg] |
| ra_nom | 17.017993383859 | Nominal RA [deg] |
| dec_nom | -23.975676589895 | Nominal Dec [deg] |
| roll_nom | 35.172448613798 | Nominal Roll [deg] |
| revision | 2 | Processing version of data |
| ontime | 8879.25 | Sum of GTIs [s] |
| livetime | 8844.5654296875 | Livetime [s] |
| ontime0 | 5876.2641538978 | Sum of GTIs [s] |
| ontime1 | 6098.7501202226 | Sum of GTIs [s] |
| ontime2 | 5777.7299818397 | Sum of GTIs [s] |
| ontime3 | 6049.1377818584 | Sum of GTIs [s] |
| ontime6 | 6181.9224880338 | Sum of GTIs [s] |
| ontime7 | 8879.25 | Sum of GTIs [s] |
| l2events | 336469 | Number of level 2 events |

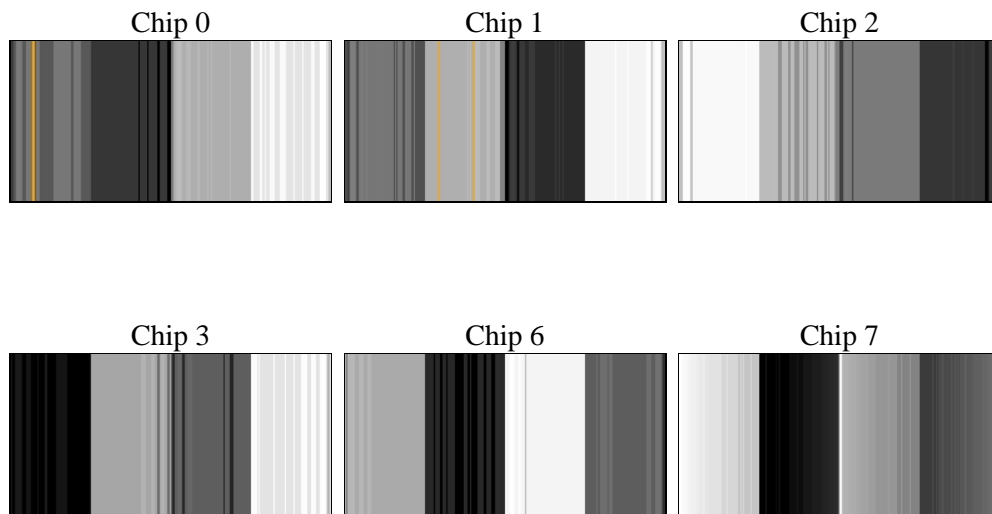
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

| | | | | | |
|----------|---------------------|--------------------------------|----------------|-----------------|---|
| obi_num | 0 | Obi number | sched_exp_time | 0.0 | [s] Scheduled observation exposure time |
| ascdsver | 8.4.4 | Processing system revision | ontime | 8879.25 | Sum of GTIs [s] |
| caldsver | 4.4.9 | | ontime0 | 5876.2641538978 | Sum of GTIs [s] |
| date | 2012-05-21T21:38:59 | Date and time of file creation | ontime1 | 6098.7501202226 | Sum of GTIs [s] |
| revision | 2 | Processing version of data | ontime2 | 5777.7299818397 | Sum of GTIs [s] |
| | | | ontime3 | 6049.1377818584 | Sum of GTIs [s] |
| | | | ontime6 | 6181.9224880338 | Sum of GTIs [s] |
| | | | ontime7 | 8879.25 | Sum of GTIs [s] |
| | | | l1events | 1528156 | Number of level 1 events |

2.1.4 Events

| | ccd 0 | ccd 1 | ccd 2 | ccd 3 | ccd 6 | ccd 7 | | ccd 0 | ccd 1 | ccd 2 | ccd 3 | ccd 6 | ccd 7 |
|-----------------|--------|--------|--------|--------|--------|--------|----------------|--------|--------|--------|--------|--------|--------|
| level 1 events | 245391 | 252917 | 242704 | 241373 | 248132 | 297639 | grade 0 events | 7775 | 7060 | 7272 | 7663 | 6242 | 19938 |
| rejected events | 203601 | 208473 | 202582 | 197412 | 201623 | 159570 | | 3% | 2% | 2% | 3% | 2% | 6% |
| rejected % | 82% | 82% | 83% | 81% | 81% | 53% | grade 1 events | 80 | 82 | 76 | 85 | 77 | 209 |
| | | | | | | | | 0% | 0% | 0% | 0% | 0% | 0% |
| | | | | | | | grade 2 events | 36606 | 39022 | 36600 | 38861 | 41245 | 41286 |
| | | | | | | | | 14% | 15% | 15% | 16% | 16% | 13% |
| | | | | | | | grade 3 events | 2066 | 1794 | 1722 | 2063 | 1862 | 9361 |
| | | | | | | | | 0% | 0% | 0% | 0% | 0% | 3% |
| | | | | | | | grade 4 events | 1901 | 1761 | 1798 | 1870 | 1805 | 9067 |
| | | | | | | | | 0% | 0% | 0% | 0% | 0% | 3% |
| | | | | | | | grade 5 events | 2891 | 3087 | 2630 | 3128 | 3386 | 12178 |
| | | | | | | | | 1% | 1% | 1% | 1% | 1% | 4% |
| | | | | | | | grade 6 events | 13020 | 13660 | 12501 | 13283 | 15198 | 58489 |
| | | | | | | | | 5% | 5% | 5% | 5% | 6% | 19% |
| | | | | | | | grade 7 events | 181052 | 186451 | 180105 | 174420 | 178317 | 147111 |
| | | | | | | | | 73% | 73% | 74% | 72% | 71% | 49% |

2.2 Compared Parameters

| Parameter | Planned | Actual | Parameter | Planned | Actual |
|-----------------------------------|---------------------|----------------------|---------------------------------------|-----------|---------|
| Instrument | ACIS | ACIS | Obspar format version number | 7 | 7 |
| Detector | ACIS-012367 | ACIS-012367 | Obspar file type | PREDICTED | ACTUAL |
| Grating | NONE | NONE | Obspar update status | NONE | UPDATED |
| Data mode | CC33_FAINT | CC33_FAINT | Number of optional ACIS chips dropped | 0 | 0 |
| Observation mode | SECONDARY | SECONDARY | On-chip summing requested | N | N |
| [deg] Pointing RA | 0 | 17.01799338385862 | Subarray requested | NONE | NONE |
| [deg] Pointing Dec | 0 | -23.97567658989491 | Alternating exposures requested | N | N |
| [deg] Pointing Roll | 0.0 | 35.17244861379768 | [s] Primary exposure time | 0 | 0 |
| [mm] SIM focus pos | -1.429586 | -0.7809083437167272 | | | |
| [mm] SIM defocus | 0.1037507710433287 | 0.7524282956875696 | | | |
| [mm] SIM translation stage pos | 250.455976 | 250.466033080201 | | | |
| [mm] SIM translation stage offset | 0 | -0.01005468664627074 | | | |
| [s] Observation start time (MET) | 338576668.049392 | 338576667.02439 | | | |
| Observation start date | 2008-09-23T17:04:28 | 2008-09-23T17:04:27 | | | |
| [s] Observation end time (MET) | 338587198.899911 | 338587197.87491 | | | |
| Observation end date | 2008-09-23T19:59:59 | 2008-09-23T19:59:57 | | | |
| Read mode | CONTINUOUS | CONTINUOUS | | | |

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

| | |
|----------------------------|-------------|
| V&V Scientist | Joy Nichols |
| V&V Date (YYYY-MM-DD) | 2012.05.22 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 8.87925 |

A.2 Comments