

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 59929 - L2 Version 002
Chandra X-Ray Center

L2 Processing Date : Apr 8 2006

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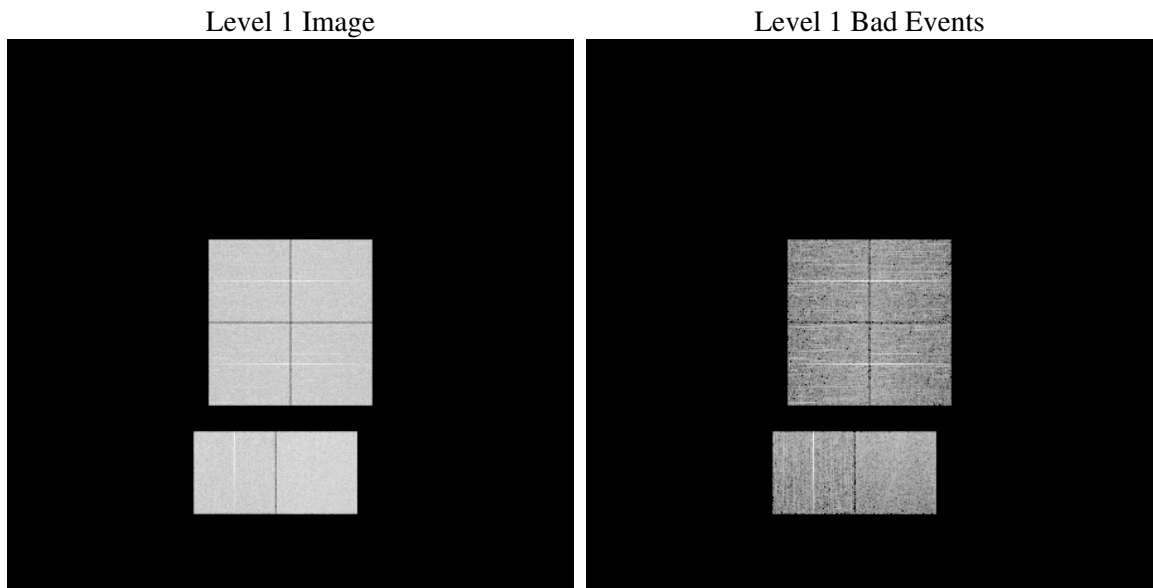
1 Front

| | |
|----------|---|
| seq_num | |
| obs_id | 59929 |
| title | ACIS-012367 diagnostics |
| observer | CHANDRA engineering request/realtime commanding |
| object | |
| dtcycle | 0 |
| cycle | P |
| ra_targ | 0.0 |
| dec_targ | 0.0 |
| ra_nom | 105.96314295389 |
| dec_nom | 44.511198231414 |
| roll_nom | 123.99418330655 |
| revision | 2 |
| ontime | 5919.3042446971 |
| livetime | 5844.3504501736 |
| ontime0 | 4960.0139103532 |
| ontime1 | 5096.1766103804 |
| ontime2 | 4879.0718010962 |
| ontime3 | 4940.4854898453 |
| ontime6 | 5339.3322126865 |
| ontime7 | 5919.3042446971 |
| l2events | 802893 |

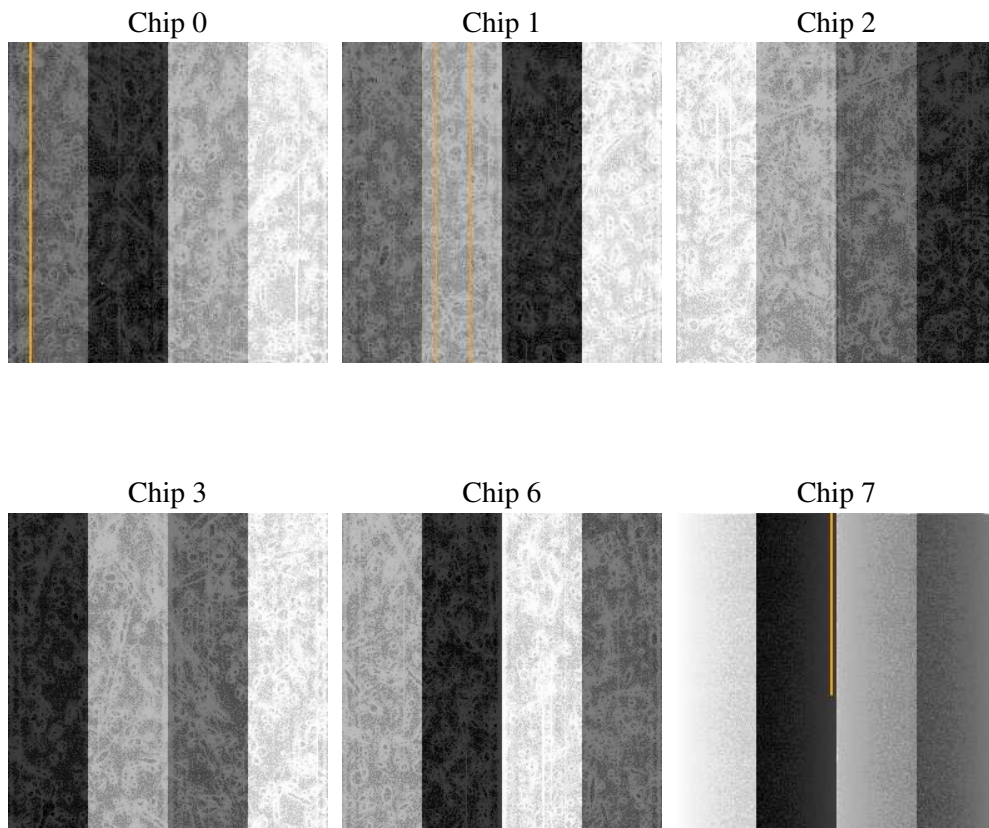
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

| | |
|----------|---------------------|
| obi_num | 0 |
| ascdsver | 7.6.7.1 |
| caldbver | 3.2.1 |
| date | 2006-04-09T00:35:27 |
| revision | 2 |

| | |
|----------------|-----------------|
| sched_exp_time | 0.0 |
| ontime | 5921.3270362616 |
| ontime0 | 4961.9956619143 |
| ontime1 | 5098.1173219383 |
| ontime2 | 4880.9714726508 |
| ontime3 | 4942.549321413 |
| ontime6 | 5341.1908442676 |
| ontime7 | 5921.3270362616 |
| l1events | 1076614 |

2.1.4 Events

| | ccd 0 | ccd 1 | ccd 2 | ccd 3 | ccd 6 | ccd 7 |
|-----------------|--------|--------|--------|--------|--------|--------|
| level 1 events | 166577 | 171785 | 168315 | 169514 | 188483 | 211940 |
| rejected events | 35485 | 36312 | 37978 | 37331 | 40834 | 44713 |
| rejected % | 21% | 21% | 22% | 22% | 21% | 21% |

| | ccd 0 | ccd 1 | ccd 2 | ccd 3 | ccd 6 | ccd 7 |
|----------------|-------|-------|-------|-------|-------|-------|
| grade 0 events | 72087 | 74231 | 73233 | 74526 | 80076 | 27880 |
| | 43% | 43% | 43% | 43% | 42% | 13% |
| grade 1 events | 452 | 380 | 451 | 458 | 433 | 71 |
| | 0% | 0% | 0% | 0% | 0% | 0% |
| grade 2 events | 22966 | 24110 | 21860 | 22506 | 25821 | 51252 |
| | 13% | 14% | 12% | 13% | 13% | 24% |
| grade 3 events | 8584 | 8611 | 8642 | 8565 | 9222 | 11656 |
| | 5% | 5% | 5% | 5% | 4% | 5% |
| grade 4 events | 8380 | 8765 | 8605 | 8600 | 9098 | 11495 |
| | 5% | 5% | 5% | 5% | 4% | 5% |
| grade 5 events | 2184 | 2252 | 2172 | 2365 | 2623 | 5129 |
| | 1% | 1% | 1% | 1% | 1% | 2% |
| grade 6 events | 19173 | 19840 | 18087 | 18078 | 23527 | 65064 |
| | 11% | 11% | 10% | 10% | 12% | 30% |
| grade 7 events | 32751 | 33596 | 35265 | 34416 | 37683 | 39393 |
| | 19% | 19% | 20% | 20% | 19% | 18% |

2.2 Compared Parameters

| Parameter | Planned | Actual | Parameter | Planned | Actual |
|-----------------------------------|---------------------|-----------------------|---------------------------------|-----------|---------|
| Instrument | ACIS | ACIS | Obspar format version number | 6 | 6 |
| Detector | ACIS-012367 | ACIS-012367 | Obspar file type | PREDICTED | ACTUAL |
| Grating | NONE | NONE | Obspar update status | NONE | UPDATED |
| Data mode | FAINT | FAINT | On-chip summing requested | N | N |
| Observation mode | SECONDARY | SECONDARY | Subarray requested | NONE | NONE |
| Pointing RA | 0 | 105.9631429538949 | Alternating exposures requested | N | N |
| Pointing Dec | 0 | 44.51119823141423 | Primary exposure time | 3.2 | 3.2 |
| Pointing Roll | 0.0 | 123.9941833065549 | | | |
| SIM focus pos (mm) | -0.782348 | -0.6828225247311905 | | | |
| SIM defocus (mm) | 0 | 0.8505141146731063 | | | |
| SIM translation stage pos (mm) | -233.592463 | 250.4635187648994 | | | |
| SIM translation stage offset (mm) | 0 | -0.007540371344731511 | | | |
| Observation start time | 219085836.754181 | 219085835.72918 | | | |
| Observation start date | 2004-12-10T17:10:37 | 2004-12-10T17:10:35 | | | |
| Observation end time | 219104344.155013 | 219104343.13002 | | | |
| Observation end date | 2004-12-10T22:19:04 | 2004-12-10T22:19:03 | | | |
| Read mode | TIMED | TIMED | | | |

2.3 Aspect

2.4 Star Slots

2.5 FID Slots

A Summary

A.1 Status

| | |
|----------------------------|------------|
| V&V Scientist | Jen Lauer |
| V&V Date (YYYY-MM-DD) | 2006.04.10 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 5.91930424 |

A.2 Comments