

V&V Reference Report

L2 ASCDS Version : 7.6.7

Observation 59651 - L2 Version 002
Chandra X-Ray Center

L2 Processing Date: Mar 4 2006

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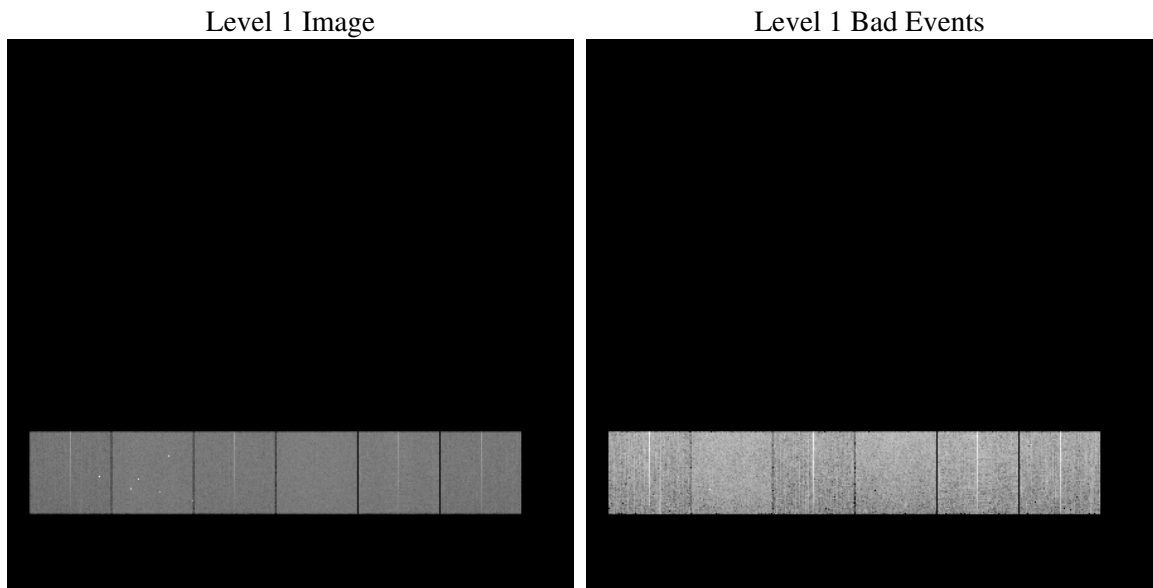
1 Front

| | |
|----------|---|
| seq_num | |
| obs_id | 59651 |
| title | ACIS-456789 diagnostics |
| observer | CHANDRA engineering request/realtime commanding |
| object | |
| dtcycle | 0 |
| cycle | P |
| ra_targ | 0.0 |
| dec_targ | 0.0 |
| ra_nom | 268.98289594347 |
| dec_nom | -22.97612419396 |
| roll_nom | 90.476929732404 |
| revision | 2 |
| ontime | 8280.0464597344 |
| livetime | 8175.1995258159 |
| ontime4 | 7077.7670298517 |
| ontime5 | 8280.0874997377 |
| ontime6 | 7622.2101794779 |
| ontime7 | 8280.0464597344 |
| ontime8 | 7888.0524037182 |
| ontime9 | 7498.9299885929 |
| l2events | 1076494 |

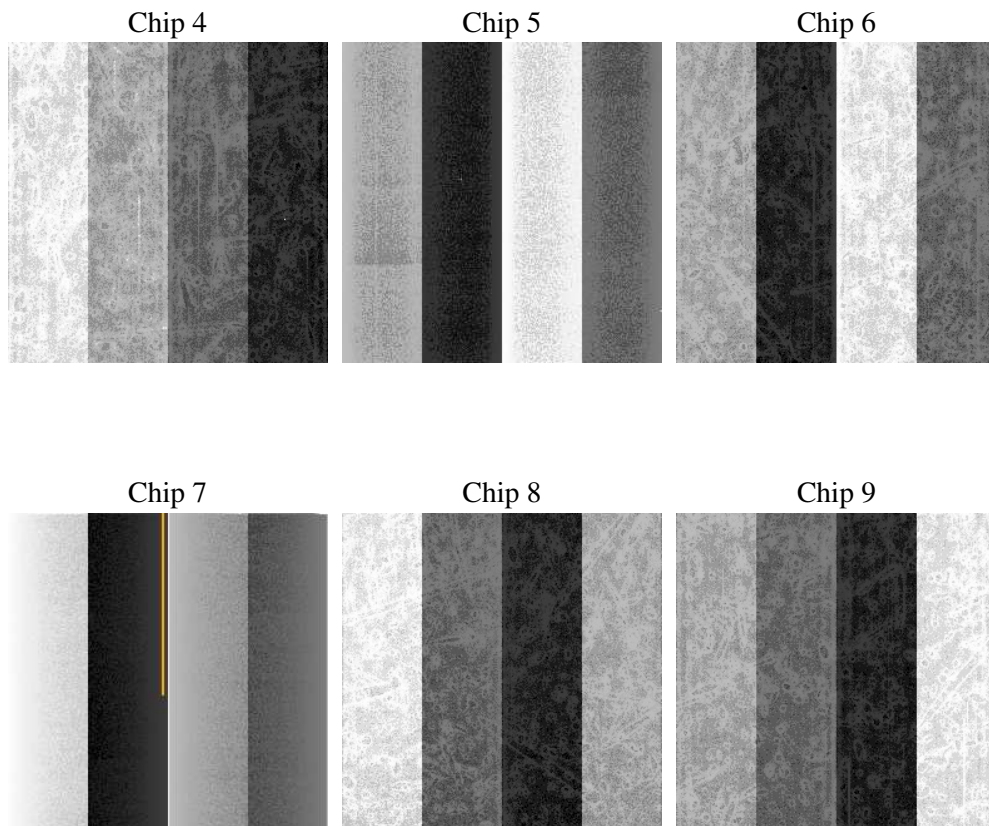
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

| | |
|----------|---------------------|
| obi_num | 2 |
| ascdsver | 7.6.7 |
| caldbver | 3.2.1 |
| date | 2006-03-04T07:27:18 |
| revision | 2 |

| | |
|----------------|-----------------|
| sched_exp_time | 0.0 |
| ontime | 8280.774567306 |
| ontime4 | 7078.3720174134 |
| ontime5 | 8280.774567306 |
| ontime6 | 7622.8562070429 |
| ontime7 | 8280.774567306 |
| ontime8 | 7888.6163513064 |
| ontime9 | 7499.6991361678 |
| l1events | 1488703 |

2.1.4 Events

| | ccd 4 | ccd 5 | ccd 6 | ccd 7 | ccd 8 | ccd 9 |
|-----------------|--------|--------|--------|--------|--------|--------|
| level 1 events | 220707 | 258157 | 242256 | 269968 | 262803 | 234812 |
| rejected events | 54593 | 60359 | 51090 | 57476 | 60366 | 54130 |
| rejected % | 24% | 23% | 21% | 21% | 22% | 23% |

| | ccd 4 | ccd 5 | ccd 6 | ccd 7 | ccd 8 | ccd 9 |
|----------------|-------|-------|--------|-------|--------|-------|
| grade 0 events | 96704 | 24816 | 104224 | 36059 | 109705 | 99116 |
| | 43% | 9% | 43% | 13% | 41% | 42% |
| grade 1 events | 722 | 125 | 531 | 118 | 579 | 564 |
| | 0% | 0% | 0% | 0% | 0% | 0% |
| grade 2 events | 26217 | 90519 | 32892 | 64083 | 35546 | 31424 |
| | 11% | 35% | 13% | 23% | 13% | 13% |
| grade 3 events | 11185 | 5923 | 11888 | 15320 | 13389 | 11703 |
| | 5% | 2% | 4% | 5% | 5% | 4% |
| grade 4 events | 10996 | 5838 | 11981 | 15030 | 13335 | 11476 |
| | 4% | 2% | 4% | 5% | 5% | 4% |
| grade 5 events | 3125 | 5875 | 3517 | 6887 | 4291 | 3722 |
| | 1% | 2% | 1% | 2% | 1% | 1% |
| grade 6 events | 21012 | 70702 | 30181 | 82000 | 30462 | 26963 |
| | 9% | 27% | 12% | 30% | 11% | 11% |
| grade 7 events | 50746 | 54359 | 47042 | 50471 | 55496 | 49844 |
| | 22% | 21% | 19% | 18% | 21% | 21% |

2.2 Compared Parameters

| Parameter | Planned | Actual | Parameter | Planned | Actual |
|-----------------------------------|---------------------|----------------------|---------------------------------|-----------|---------|
| Instrument | ACIS | ACIS | Obspar format version number | 6 | 6 |
| Detector | ACIS-456789 | ACIS-456789 | 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 | 268.9828959434701 | Alternating exposures requested | N | N |
| Pointing Dec | 0 | -22.97612419395994 | Primary exposure time | 3.2 | 3.2 |
| Pointing Roll | 0.0 | 90.47692973240395 | | | |
| SIM focus pos (mm) | -0.684267 | -1.428180813131781 | | | |
| SIM defocus (mm) | 0 | 0.1051558262725154 | | | |
| SIM translation stage pos (mm) | -190.132523 | 250.466033080201 | | | |
| SIM translation stage offset (mm) | 0 | -0.01005468664627074 | | | |
| Observation start time | 233064686.937236 | 233064685.9123 | | | |
| Observation start date | 2005-05-21T12:11:27 | 2005-05-21T12:11:25 | | | |
| Observation end time | 233085996.688204 | 233085995.66327 | | | |
| Observation end date | 2005-05-21T18:06:37 | 2005-05-21T18:06:35 | | | |
| Read mode | TIMED | TIMED | | | |

2.3 Aspect

2.4 Star Slots

2.5 FID Slots

A Summary

A.1 Status

| | |
|----------------------------|---------------|
| V&V Scientist | Beth Sundheim |
| V&V Date (YYYY-MM-DD) | 2006.03.05 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 8.28004645 |

A.2 Comments