

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 59379 - L2 Version 002
Chandra X-Ray Center

L2 Processing Date : Apr 2 2006

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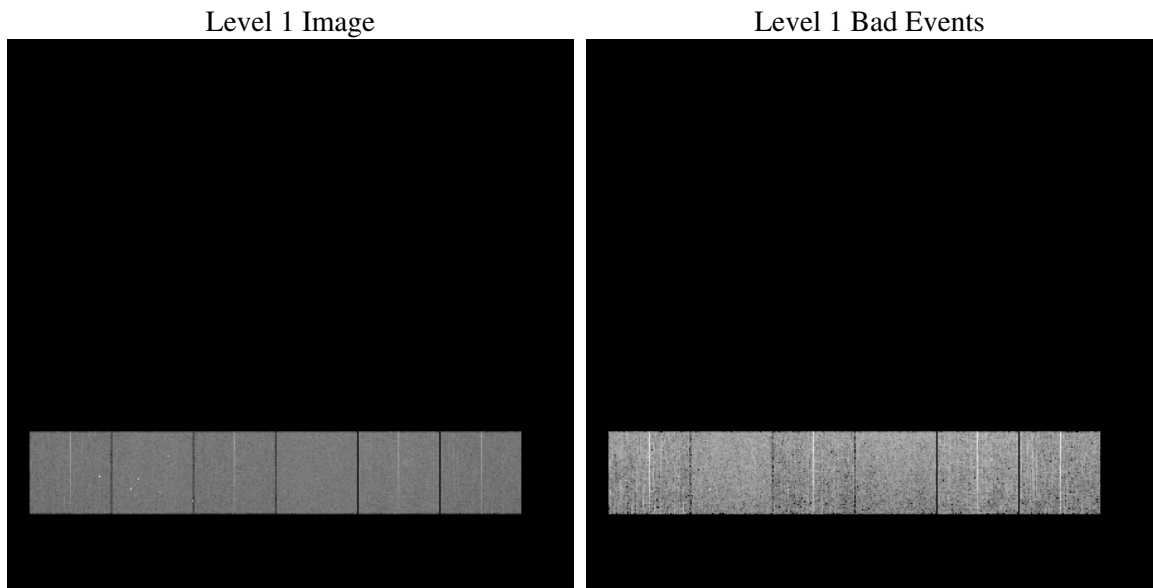
1 Front

| | |
|----------|---|
| seq_num | |
| obs_id | 59379 |
| 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 | 30.021132443404 |
| dec_nom | -17.979643107277 |
| roll_nom | 12.536262010928 |
| revision | 2 |
| ontime | 4748.7999823093 |
| livetime | 4688.6678175493 |
| ontime4 | 4557.582134217 |
| ontime5 | 4748.7999823093 |
| ontime6 | 4641.846796602 |
| ontime7 | 4748.7999823093 |
| ontime8 | 4748.7999823093 |
| ontime9 | 4609.4379188418 |
| l2events | 592017 |

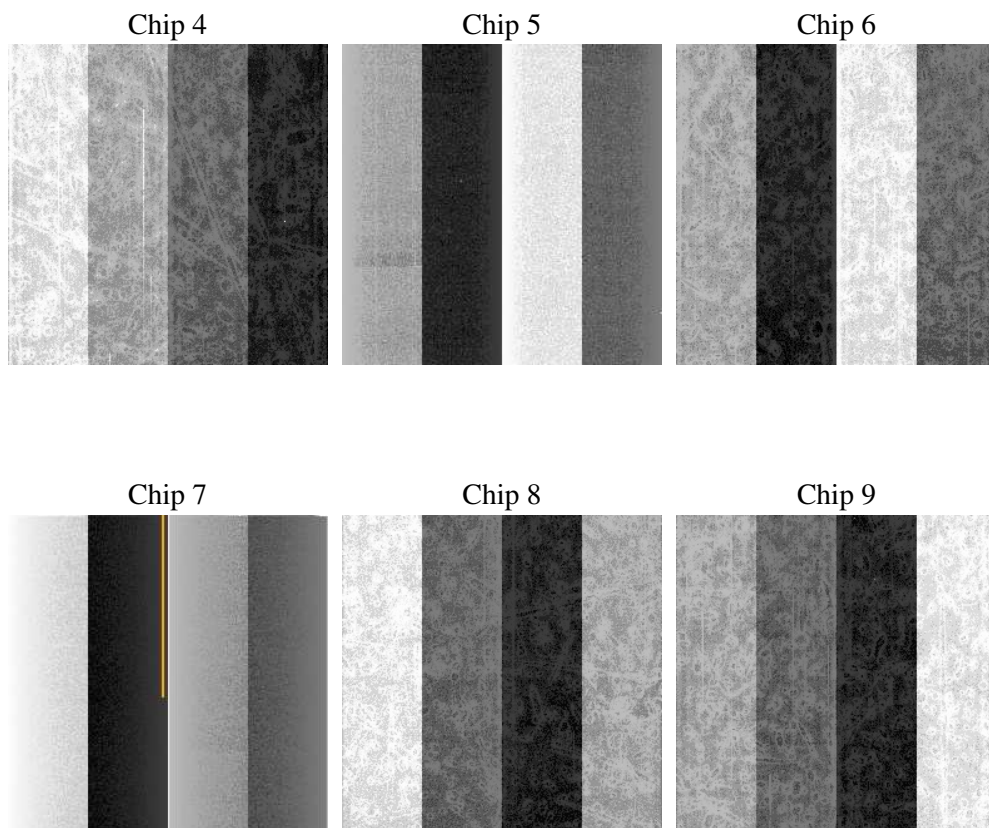
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

| | |
|----------|---------------------|
| obi_num | 0 |
| ascdsver | 7.6.7.1 |
| caldsver | 3.2.1 |
| date | 2006-04-02T23:15:00 |
| revision | 2 |

| | |
|----------------|-----------------|
| sched_exp_time | 0.0 |
| ontime | 4751.3199888468 |
| ontime4 | 4560.1021407545 |
| ontime5 | 4751.3199888468 |
| ontime6 | 4644.3668031394 |
| ontime7 | 4751.3199888468 |
| ontime8 | 4751.3199888468 |
| ontime9 | 4611.9579253793 |
| l1events | 857666 |

2.1.4 Events

| | ccd 4 | ccd 5 | ccd 6 | ccd 7 | ccd 8 | ccd 9 |
|-----------------|--------|--------|--------|--------|--------|--------|
| level 1 events | 135016 | 144726 | 139084 | 148808 | 153846 | 136186 |
| rejected events | 37943 | 37877 | 34574 | 35553 | 41842 | 35973 |
| rejected % | 28% | 26% | 24% | 23% | 27% | 26% |

| | ccd 4 | ccd 5 | ccd 6 | ccd 7 | ccd 8 | ccd 9 |
|----------------|-------|-------|-------|-------|-------|-------|
| grade 0 events | 56596 | 12332 | 56723 | 18274 | 60020 | 54898 |
| | 41% | 8% | 40% | 12% | 39% | 40% |
| grade 1 events | 444 | 89 | 284 | 43 | 348 | 373 |
| | 0% | 0% | 0% | 0% | 0% | 0% |
| grade 2 events | 15277 | 48463 | 18084 | 34250 | 19657 | 17236 |
| | 11% | 33% | 13% | 23% | 12% | 12% |
| grade 3 events | 6555 | 3285 | 6354 | 7856 | 7414 | 6429 |
| | 4% | 2% | 4% | 5% | 4% | 4% |
| grade 4 events | 6458 | 3058 | 6495 | 7810 | 7562 | 6557 |
| | 4% | 2% | 4% | 5% | 4% | 4% |
| grade 5 events | 2145 | 3659 | 2195 | 4117 | 2852 | 2359 |
| | 1% | 2% | 1% | 2% | 1% | 1% |
| grade 6 events | 12187 | 39711 | 16854 | 45065 | 17351 | 15093 |
| | 9% | 27% | 12% | 30% | 11% | 11% |
| grade 7 events | 35354 | 34129 | 32095 | 31393 | 38642 | 33241 |
| | 26% | 23% | 23% | 21% | 25% | 24% |

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 | 30.02113244340384 | Alternating exposures requested | N | N |
| Pointing Dec | 0 | -17.97964310727708 | Primary exposure time | 3.2 | 3.2 |
| Pointing Roll | 0.0 | 12.53626201092785 | | | |
| SIM focus pos (mm) | -0.684267 | -0.6828225247311905 | | | |
| SIM defocus (mm) | 0 | 0.8505141146731063 | | | |
| SIM translation stage pos (mm) | -190.132523 | 250.466033080201 | | | |
| SIM translation stage offset (mm) | 0 | -0.01005468664627074 | | | |
| Observation start time | 246085756.583937 | 246085755.55894 | | | |
| Observation start date | 2005-10-19T05:09:17 | 2005-10-19T05:09:15 | | | |
| Observation end time | 246103554.684756 | 246103553.65976 | | | |
| Observation end date | 2005-10-19T10:05:55 | 2005-10-19T10:05:53 | | | |
| 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) | 2006.04.03 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 4.74879998 |

A.2 Comments