

V&V Reference Report

L2 ASCDS Version : 7.6.7

Observation 59865 - L2 Version 002
Chandra X-Ray Center

L2 Processing Date: Feb 15 2006

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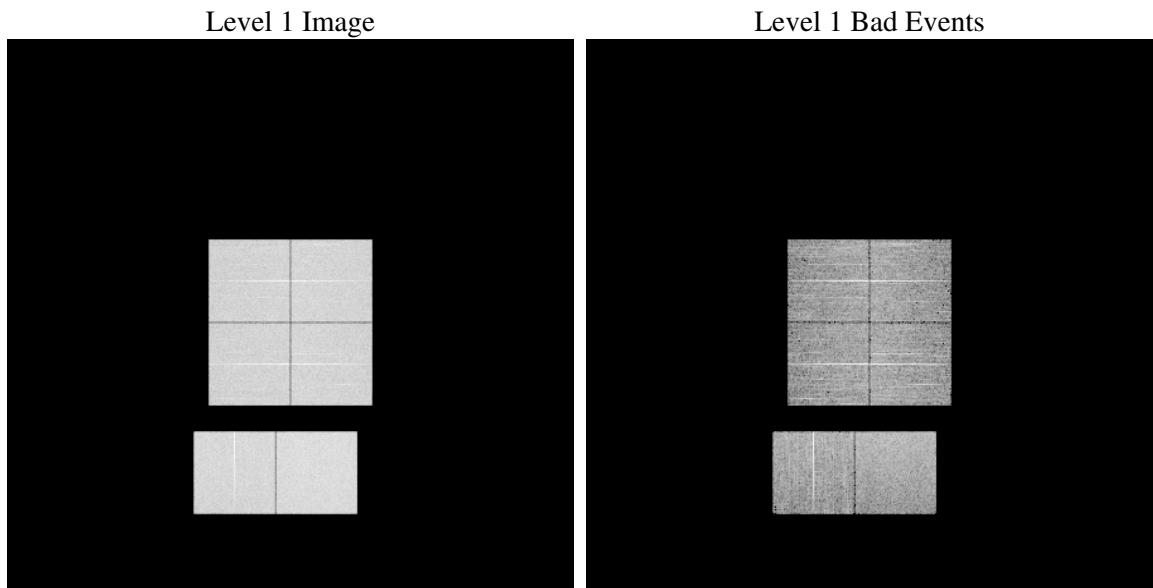
1 Front

| | |
|----------|---|
| seq_num | |
| obs_id | 59865 |
| 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 | 109.0260958632 |
| dec_nom | 10.012566378713 |
| roll_nom | 352.96056983937 |
| revision | 2 |
| ontime | 8230.3999693394 |
| livetime | 8126.1816891757 |
| ontime0 | 7138.1914301217 |
| ontime1 | 7365.059541434 |
| ontime2 | 7002.0704289079 |
| ontime3 | 7089.576746136 |
| ontime6 | 7520.6263453662 |
| ontime7 | 8230.3999693394 |
| l2events | 1122385 |

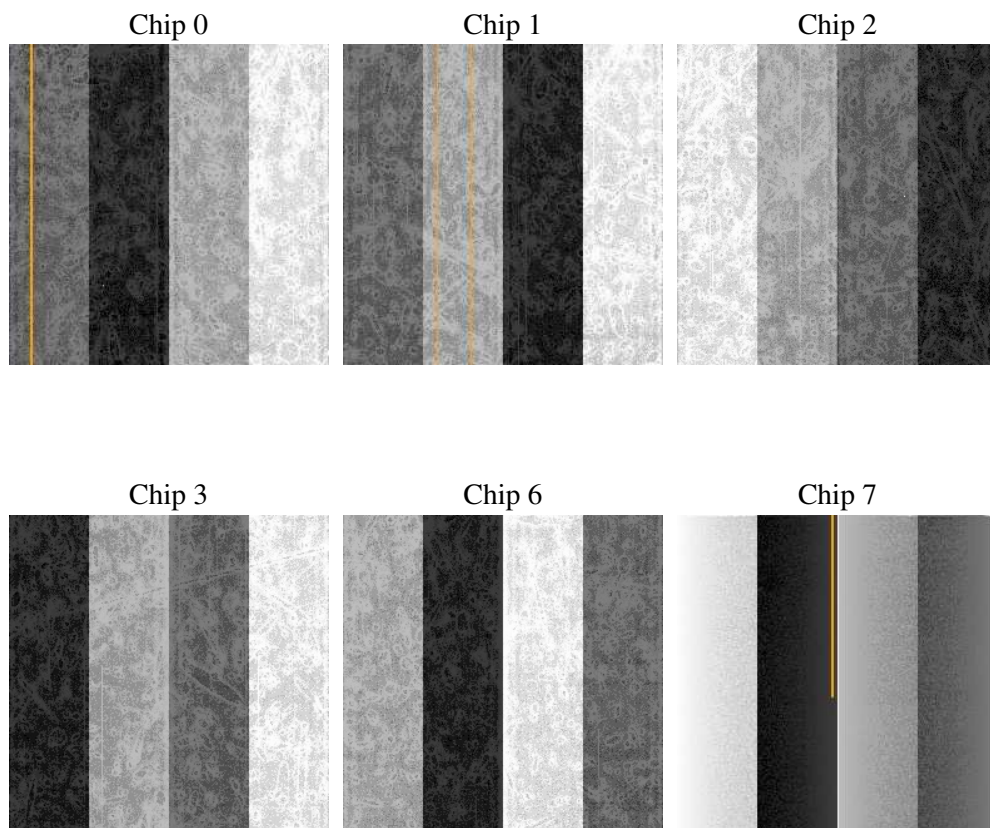
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

| | |
|----------|---------------------|
| obi_num | 0 |
| ascdsver | 7.6.7 |
| caldbver | 3.2.1 |
| date | 2006-02-16T02:33:05 |
| revision | 2 |

| | |
|----------------|-----------------|
| sched_exp_time | 0.0 |
| ontime | 8280.7718931139 |
| ontime0 | 7175.5994327962 |
| ontime1 | 7408.9495046735 |
| ontime2 | 7039.4784216285 |
| ontime3 | 7133.4666994512 |
| ontime6 | 7567.757298857 |
| ontime7 | 8280.7718931139 |
| l1events | 1493462 |

2.1.4 Events

| | ccd 0 | ccd 1 | ccd 2 | ccd 3 | ccd 6 | ccd 7 |
|-----------------|--------|--------|--------|--------|--------|--------|
| level 1 events | 233423 | 242093 | 233062 | 239331 | 259349 | 286204 |
| rejected events | 48516 | 49977 | 48848 | 52695 | 54853 | 58956 |
| rejected % | 20% | 20% | 20% | 22% | 21% | 20% |

| | ccd 0 | ccd 1 | ccd 2 | ccd 3 | ccd 6 | ccd 7 |
|----------------|--------|--------|--------|--------|--------|-------|
| grade 0 events | 102620 | 105048 | 103744 | 105409 | 111130 | 38347 |
| | 43% | 43% | 44% | 44% | 42% | 13% |
| grade 1 events | 612 | 545 | 578 | 638 | 534 | 133 |
| | 0% | 0% | 0% | 0% | 0% | 0% |
| grade 2 events | 32487 | 34737 | 31114 | 31922 | 35802 | 69669 |
| | 13% | 14% | 13% | 13% | 13% | 24% |
| grade 3 events | 12036 | 12407 | 11895 | 12291 | 12927 | 16152 |
| | 5% | 5% | 5% | 5% | 4% | 5% |
| grade 4 events | 11651 | 12307 | 12271 | 12267 | 12860 | 15823 |
| | 4% | 5% | 5% | 5% | 4% | 5% |
| grade 5 events | 3062 | 3171 | 2870 | 3295 | 3383 | 6758 |
| | 1% | 1% | 1% | 1% | 1% | 2% |
| grade 6 events | 27009 | 28665 | 26142 | 25848 | 32977 | 88535 |
| | 11% | 11% | 11% | 10% | 12% | 30% |
| grade 7 events | 43946 | 45213 | 44448 | 47661 | 49736 | 50787 |
| | 18% | 18% | 19% | 19% | 19% | 17% |

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 | 109.0260958631951 | Alternating exposures requested | N | N |
| Pointing Dec | 0 | 10.01256637871329 | Primary exposure time | 3.2 | 3.2 |
| Pointing Roll | 0.0 | 352.9605698393727 | | | |
| SIM focus pos (mm) | -0.782348 | -0.6828225247311905 | | | |
| SIM defocus (mm) | 0 | 0.8505141146731063 | | | |
| SIM translation stage pos (mm) | -233.592463 | 250.466033080201 | | | |
| SIM translation stage offset (mm) | 0 | -0.01005468664627074 | | | |
| Observation start time | 221638425.119177 | 221638424.09416 | | | |
| Observation start date | 2005-01-09T06:13:45 | 2005-01-09T06:13:44 | | | |
| Observation end time | 221660936.170192 | 221660935.14518 | | | |
| Observation end date | 2005-01-09T12:28:56 | 2005-01-09T12:28:55 | | | |
| 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) | 2006.02.16 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 8.23039996 |

A.2 Comments