

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 61079 - L2 Version 001
Chandra X-Ray Center

L2 Processing Date : Sep 28 2006

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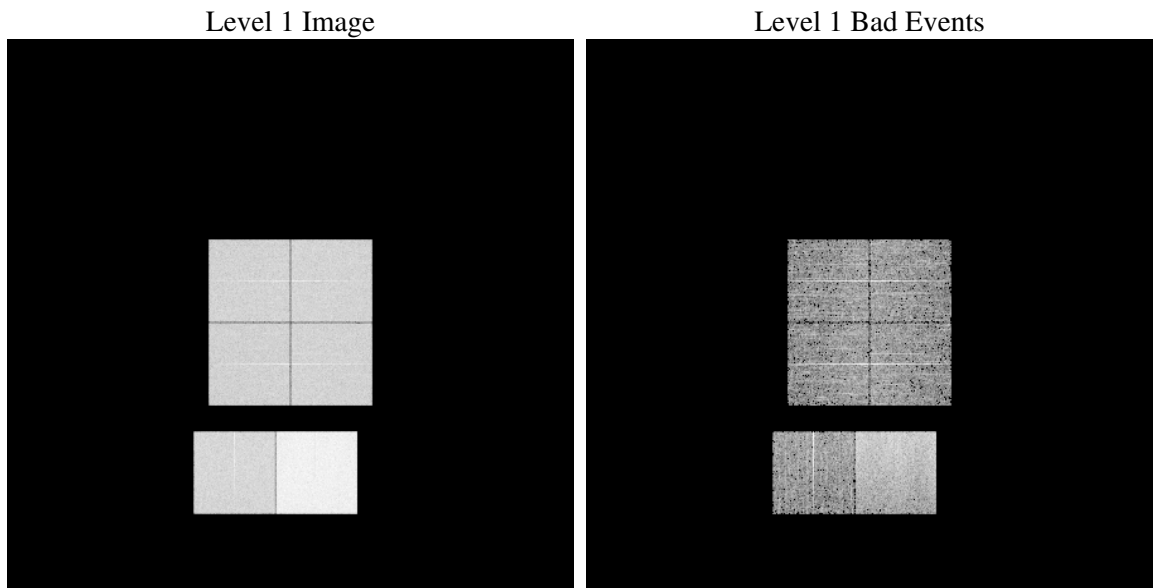
1 Front

| | |
|----------|-------------------------------------------------|
| seq_num | |
| obs_id | 61079 |
| 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 | 254.81007132203 |
| dec_nom | -2.5267249257709 |
| roll_nom | 257.76895914474 |
| revision | 2 |
| ontime | 7795.1999709606 |
| livetime | 7696.4924552224 |
| ontime0 | 3599.2853189409 |
| ontime1 | 3657.6641125977 |
| ontime2 | 3424.3521760702 |
| ontime3 | 3552.7642421722 |
| ontime6 | 3836.0008310974 |
| ontime7 | 7795.1999709606 |
| l2events | 1212425 |

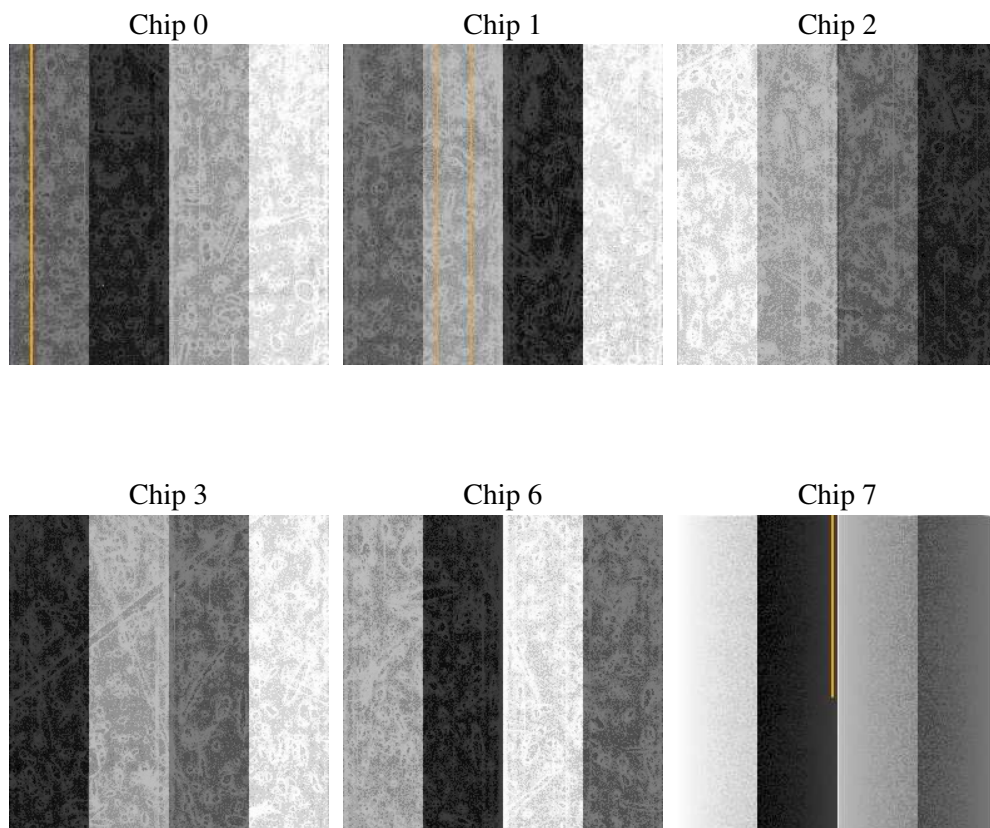
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

| | |
|----------|---------------------|
| obi_num | 1 |
| ascdsver | 7.6.9 |
| caldbver | 3.2.3 |
| date | 2006-09-28T21:48:23 |
| revision | 2 |

| | |
|----------------|-----------------|
| sched_exp_time | 0.0 |
| ontime | 7797.8478613496 |
| ontime0 | 3600.7869912684 |
| ontime1 | 3659.1247449219 |
| ontime2 | 3425.7717683911 |
| ontime3 | 3555.4121325612 |
| ontime6 | 3837.3793834448 |
| ontime7 | 7797.8478613496 |
| l1events | 1436171 |

2.1.4 Events

| | ccd 0 | ccd 1 | ccd 2 | ccd 3 | ccd 6 | ccd 7 |
|-----------------|--------|--------|--------|--------|--------|--------|
| level 1 events | 196664 | 201380 | 190184 | 198041 | 220754 | 429148 |
| rejected events | 23000 | 23084 | 23156 | 23455 | 24718 | 52533 |
| rejected % | 11% | 11% | 12% | 11% | 11% | 12% |

| | ccd 0 | ccd 1 | ccd 2 | ccd 3 | ccd 6 | ccd 7 |
|----------------|-------|-------|-------|-------|--------|--------|
| grade 0 events | 96244 | 97960 | 94009 | 98071 | 106562 | 67945 |
| | 48% | 48% | 49% | 49% | 48% | 15% |
| grade 1 events | 469 | 528 | 554 | 564 | 496 | 177 |
| | 0% | 0% | 0% | 0% | 0% | 0% |
| grade 2 events | 29921 | 31592 | 28341 | 29694 | 33869 | 114946 |
| | 15% | 15% | 14% | 14% | 15% | 26% |
| grade 3 events | 11157 | 11334 | 10531 | 11320 | 12177 | 27512 |
| | 5% | 5% | 5% | 5% | 5% | 6% |
| grade 4 events | 11129 | 11350 | 10623 | 11451 | 12201 | 27242 |
| | 5% | 5% | 5% | 5% | 5% | 6% |
| grade 5 events | 1669 | 1652 | 1665 | 1735 | 1907 | 6879 |
| | 0% | 0% | 0% | 0% | 0% | 1% |
| grade 6 events | 25213 | 26060 | 23524 | 24050 | 31227 | 138970 |
| | 12% | 12% | 12% | 12% | 14% | 32% |
| grade 7 events | 20862 | 20904 | 20937 | 21156 | 22315 | 45477 |
| | 10% | 10% | 11% | 10% | 10% | 10% |

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 | 254.8100713220328 | Alternating exposures requested | N | N |
| Pointing Dec | 0 | -2.526724925770858 | Primary exposure time | 3.2 | 3.2 |
| Pointing Roll | 0.0 | 257.7689591447352 | | | |
| SIM focus pos (mm) | -0.782348 | -0.7809083437167272 | | | |
| SIM defocus (mm) | 0 | 0.7524282956875696 | | | |
| SIM translation stage pos (mm) | -233.592463 | 250.466033080201 | | | |
| SIM translation stage offset (mm) | 0 | -0.01005468664627074 | | | |
| Observation start time | 146206033.512023 | 146206032.4873 | | | |
| Observation start date | 2002-08-20T04:47:14 | 2002-08-20T04:47:12 | | | |
| Observation end time | 146217620.112501 | 146217619.08778 | | | |
| Observation end date | 2002-08-20T08:00:20 | 2002-08-20T08:00:19 | | | |
| 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) | 2006.09.29 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 7.79519997 |

A.2 Comments