

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 61742 - L2 Version 001
Chandra X-Ray Center

L2 Processing Date : Nov 6 2006

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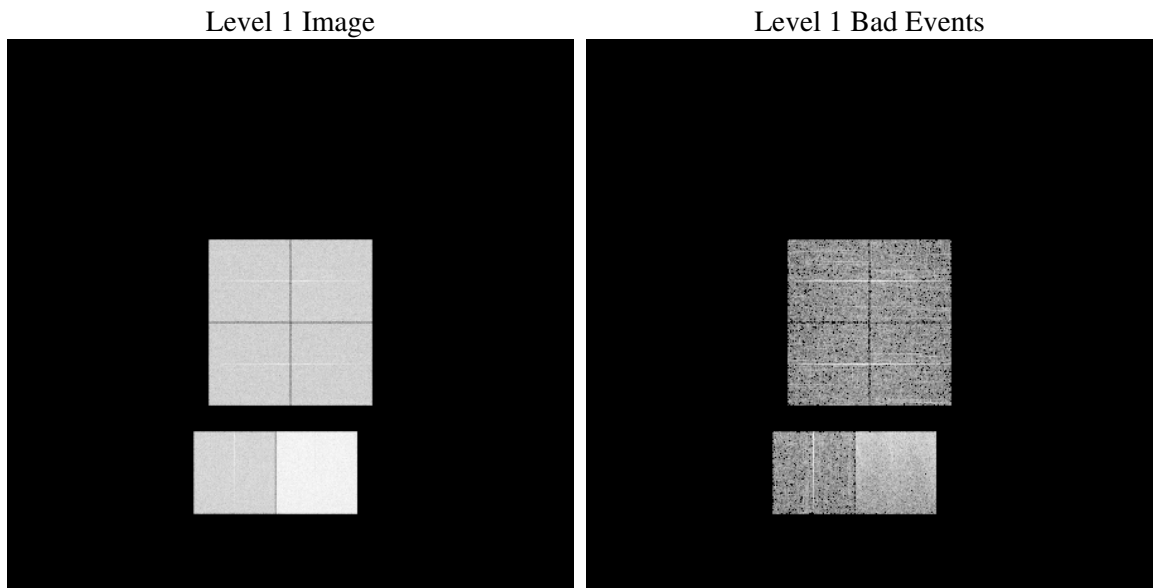
1 Front

| | |
|----------|---|
| seq_num | |
| obs_id | 61742 |
| 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 | 51.741503889459 |
| dec_nom | 12.82045065324 |
| roll_nom | 284.40246782103 |
| revision | 3 |
| ontime | 6462.2961263061 |
| livetime | 6380.4666416272 |
| ontime0 | 2680.1036498547 |
| ontime1 | 2732.0008611381 |
| ontime2 | 2608.882720381 |
| ontime3 | 2611.9597798735 |
| ontime6 | 2864.9653514773 |
| ontime7 | 6462.2961263061 |
| l2events | 1335390 |

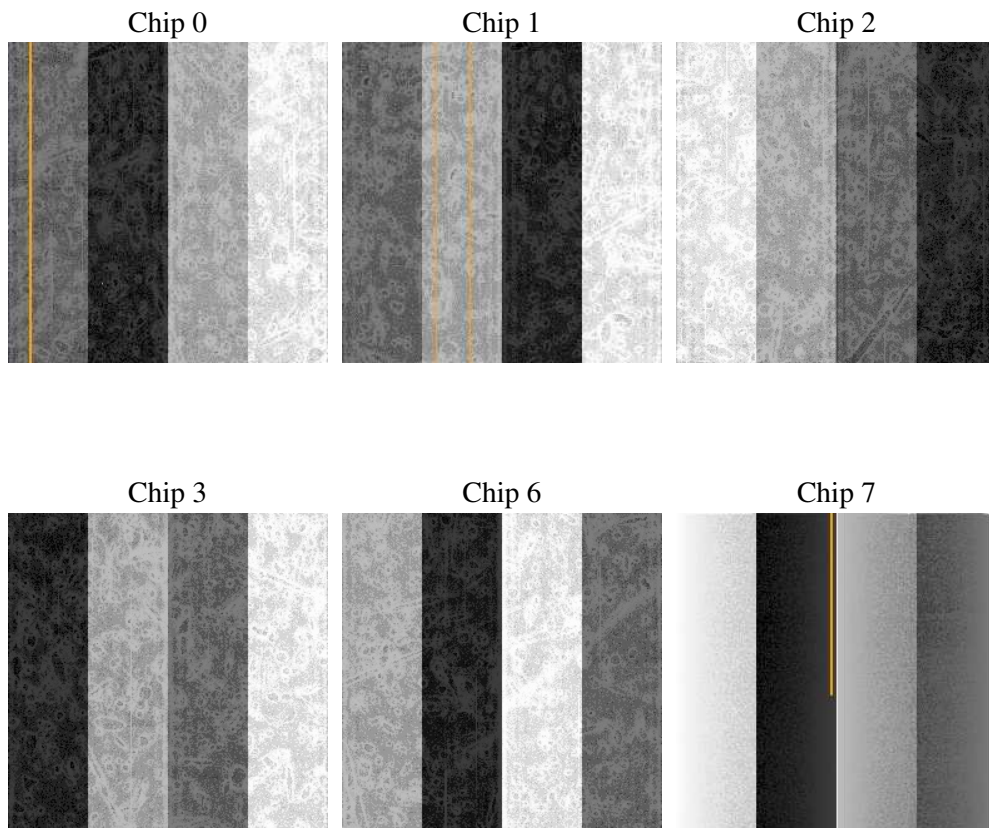
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

| | |
|----------|---------------------|
| obi_num | 0 |
| ascdsver | 7.6.9 |
| caldbver | 3.2.3 |
| date | 2006-11-06T20:33:51 |
| revision | 3 |

| | |
|----------------|-----------------|
| sched_exp_time | 0.0 |
| ontime | 6462.571306318 |
| ontime0 | 2680.3377898633 |
| ontime1 | 2732.1939611584 |
| ontime2 | 2609.034780398 |
| ontime3 | 2612.2759998888 |
| ontime6 | 2865.076371491 |
| ontime7 | 6462.571306318 |
| l1events | 1542611 |

2.1.4 Events

| | ccd 0 | ccd 1 | ccd 2 | ccd 3 | ccd 6 | ccd 7 |
|-----------------|--------|--------|--------|--------|--------|--------|
| level 1 events | 203940 | 209511 | 202896 | 203146 | 228736 | 494382 |
| rejected events | 19884 | 20583 | 20068 | 20860 | 20949 | 47719 |
| rejected % | 9% | 9% | 9% | 10% | 9% | 9% |

| | ccd 0 | ccd 1 | ccd 2 | ccd 3 | ccd 6 | ccd 7 |
|----------------|--------|--------|--------|--------|--------|--------|
| grade 0 events | 101255 | 104439 | 101913 | 101671 | 113570 | 85416 |
| | 49% | 49% | 50% | 50% | 49% | 17% |
| grade 1 events | 530 | 538 | 531 | 517 | 545 | 218 |
| | 0% | 0% | 0% | 0% | 0% | 0% |
| grade 2 events | 32412 | 33147 | 32037 | 32092 | 35724 | 132546 |
| | 15% | 15% | 15% | 15% | 15% | 26% |
| grade 3 events | 11713 | 11967 | 11374 | 11503 | 12689 | 34489 |
| | 5% | 5% | 5% | 5% | 5% | 6% |
| grade 4 events | 11652 | 11739 | 11502 | 11636 | 12906 | 34240 |
| | 5% | 5% | 5% | 5% | 5% | 6% |
| grade 5 events | 1465 | 1646 | 1440 | 1568 | 1644 | 7146 |
| | 0% | 0% | 0% | 0% | 0% | 1% |
| grade 6 events | 27024 | 27636 | 26002 | 25384 | 32898 | 159972 |
| | 13% | 13% | 12% | 12% | 14% | 32% |
| grade 7 events | 17889 | 18399 | 18097 | 18775 | 18760 | 40355 |
| | 8% | 8% | 8% | 9% | 8% | 8% |

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 | 51.74150388945935 | Alternating exposures requested | N | N |
| Pointing Dec | 0 | 12.82045065324038 | Primary exposure time | 3.2 | 3.2 |
| Pointing Roll | 0.0 | 284.4024678210324 | | | |
| 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 | 98256984.39419299 | 98256983.625715 | | | |
| Observation start date | 2001-02-11T05:36:24 | 2001-02-11T05:36:23 | | | |
| Observation end time | 98280922.245121 | 98280921.476634 | | | |
| Observation end date | 2001-02-11T12:15:22 | 2001-02-11T12:15:21 | | | |
| 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) | 2006.11.07 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 6.46229612 |

A.2 Comments