

V&V Reference Report

L2 ASCDS Version : 7.6.8.1

Observation 61350 - L2 Version 001
Chandra X-Ray Center

L2 Processing Date : Aug 26 2006

Contents

| | | |
|----------|-------------------------------|----------|
| 1 | Front | 2 |
| 2 | OBI | 3 |
| 2.1 | OBI | 3 |
| 2.1.1 | Images | 3 |
| 2.1.2 | Bias | 3 |
| 2.1.3 | Parameters | 4 |
| 2.1.4 | Events | 4 |
| 2.2 | Compared Parameters | 5 |
| 2.3 | Aspect | 6 |
| 2.4 | Star Slots | 8 |
| 2.5 | FID Slots | 8 |
| A | Summary | 9 |
| A.1 | Status | 9 |
| A.2 | Comments | 9 |

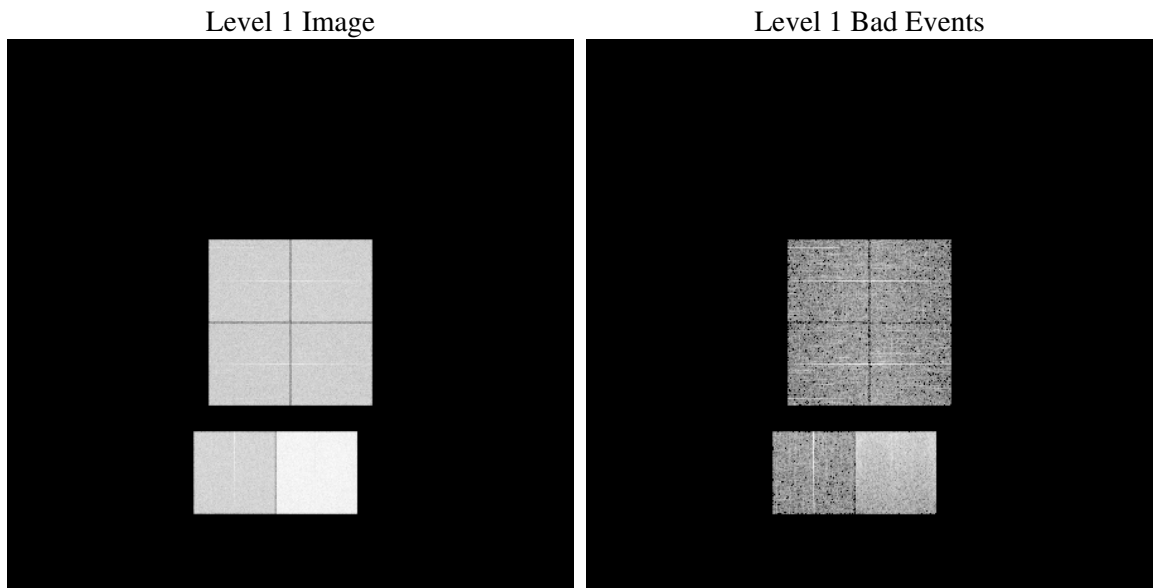
1 Front

| | |
|----------|---|
| seq_num | |
| obs_id | 61350 |
| 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 | 197.49470474233 |
| dec_nom | -6.4718661178228 |
| roll_nom | 67.837363043952 |
| revision | 2 |
| ontime | 8294.4000077248 |
| livetime | 8189.3713205389 |
| ontime0 | 3251.968241334 |
| ontime1 | 3391.3732435256 |
| ontime2 | 3099.1135080606 |
| ontime3 | 3154.6548816413 |
| ontime6 | 3501.6503046006 |
| ontime7 | 8294.4000077248 |
| l2events | 1310383 |

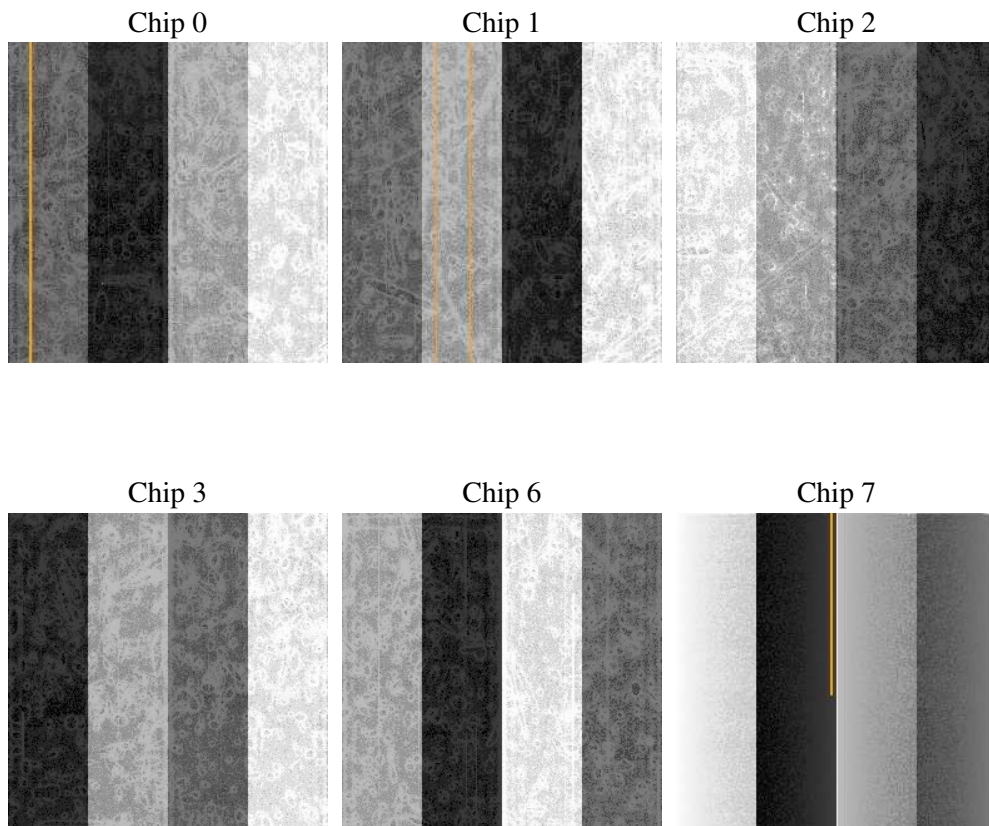
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

| | |
|----------|---------------------|
| obi_num | 1 |
| ascdsver | 7.6.8.1 |
| caldsver | 3.2.3 |
| date | 2006-08-26T17:55:30 |
| revision | 2 |

| | |
|----------------|-----------------|
| sched_exp_time | 0.0 |
| ontime | 8296.9581834972 |
| ontime0 | 3253.9995569885 |
| ontime1 | 3393.3635191917 |
| ontime2 | 3101.671683833 |
| ontime3 | 3156.7682773024 |
| ontime6 | 3503.5585002601 |
| ontime7 | 8296.9581834972 |
| l1events | 1538991 |

2.1.4 Events

| | ccd 0 | ccd 1 | ccd 2 | ccd 3 | ccd 6 | ccd 7 |
|-----------------|--------|--------|--------|--------|--------|--------|
| level 1 events | 200504 | 207770 | 193655 | 198249 | 225439 | 513374 |
| rejected events | 23037 | 21913 | 22855 | 23578 | 23736 | 58083 |
| rejected % | 11% | 10% | 11% | 11% | 10% | 11% |

| | ccd 0 | ccd 1 | ccd 2 | ccd 3 | ccd 6 | ccd 7 |
|----------------|-------|--------|-------|-------|--------|--------|
| grade 0 events | 97967 | 102823 | 94806 | 97541 | 109869 | 84237 |
| | 48% | 49% | 48% | 49% | 48% | 16% |
| grade 1 events | 473 | 499 | 473 | 519 | 543 | 208 |
| | 0% | 0% | 0% | 0% | 0% | 0% |
| grade 2 events | 31300 | 32682 | 29870 | 30590 | 35242 | 136952 |
| | 15% | 15% | 15% | 15% | 15% | 26% |
| grade 3 events | 11283 | 11880 | 10824 | 11093 | 12412 | 34100 |
| | 5% | 5% | 5% | 5% | 5% | 6% |
| grade 4 events | 11319 | 11702 | 10630 | 11059 | 12399 | 33803 |
| | 5% | 5% | 5% | 5% | 5% | 6% |
| grade 5 events | 1633 | 1739 | 1533 | 1644 | 1862 | 8201 |
| | 0% | 0% | 0% | 0% | 0% | 1% |
| grade 6 events | 25779 | 26942 | 24870 | 24572 | 31972 | 166375 |
| | 12% | 12% | 12% | 12% | 14% | 32% |
| grade 7 events | 20750 | 19503 | 20649 | 21231 | 21140 | 49498 |
| | 10% | 9% | 10% | 10% | 9% | 9% |

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 | 197.4947047423346 | Alternating exposures requested | N | N |
| Pointing Dec | 0 | -6.471866117822756 | Primary exposure time | 0.000000 | 3.2 |
| Pointing Roll | 0.0 | 67.83736304395208 | | | |
| 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 | 127277763.385 | 127277762.61644 | | | |
| Observation start date | 2002-01-13T02:56:03 | 2002-01-13T02:56:02 | | | |
| Observation end time | 127299073.136 | 127299072.3673 | | | |
| Observation end date | 2002-01-13T08:51:13 | 2002-01-13T08:51:12 | | | |
| 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) | 2006.08.28 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 8.2944 |

A.2 Comments