

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 61931 - L2 Version 001
Chandra X-Ray Center

L2 Processing Date : Jun 7 2007

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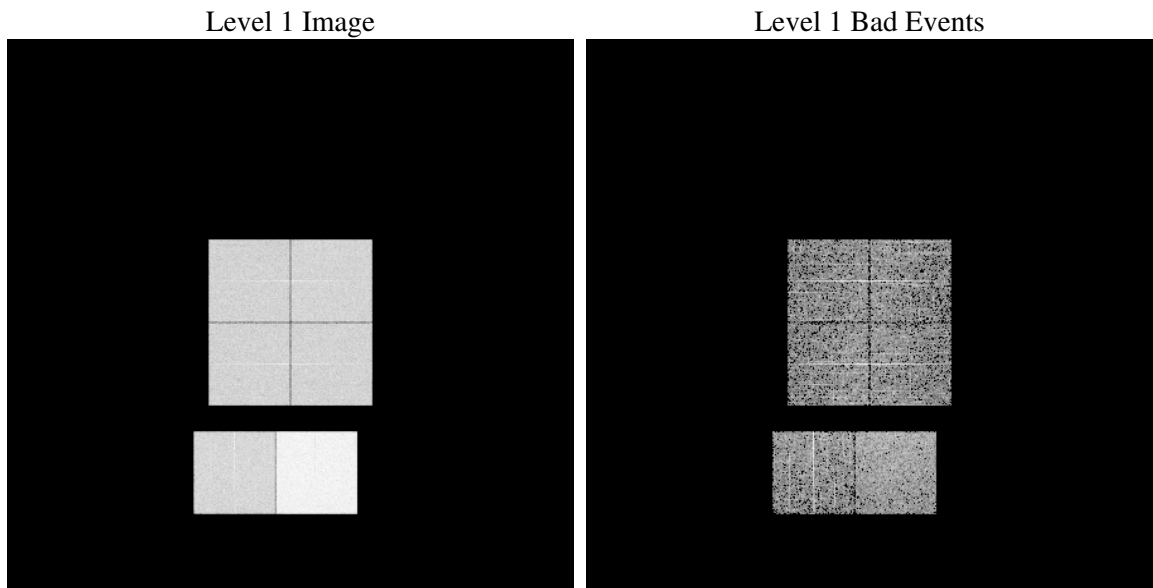
1 Front

| | |
|----------|---|
| seq_num | |
| obs_id | 61931 |
| 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 | 86.38796515459 |
| dec_nom | -57.393325864124 |
| roll_nom | 98.588701096286 |
| revision | 2 |
| ontime | 4117.8103682548 |
| livetime | 4065.6681739242 |
| ontime0 | 1794.055303812 |
| ontime1 | 1849.194023639 |
| ontime2 | 1764.9680039734 |
| ontime3 | 1784.2502932549 |
| ontime6 | 1910.8556441218 |
| ontime7 | 4117.8103682548 |
| l2events | 993483 |

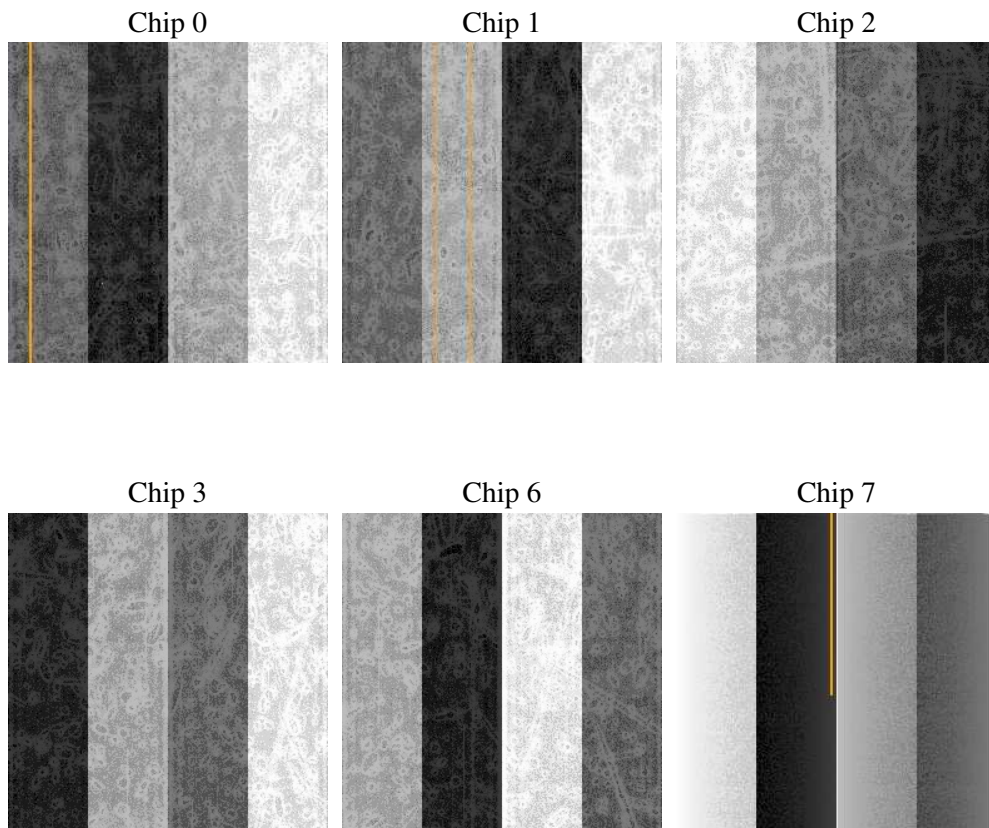
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

| | |
|----------|---------------------|
| obi_num | 0 |
| ascdsver | 7.6.10 |
| caldsver | 3.4.0 |
| date | 2007-06-07T04:17:06 |
| revision | 2 |

| | |
|----------------|-----------------|
| sched_exp_time | 0.0 |
| ontime | 4117.8103682548 |
| ontime0 | 1794.055303812 |
| ontime1 | 1849.194023639 |
| ontime2 | 1764.9680039734 |
| ontime3 | 1784.2502932549 |
| ontime6 | 1910.8556441218 |
| ontime7 | 4117.8103682548 |
| l1events | 1125852 |

2.1.4 Events

| | ccd 0 | ccd 1 | ccd 2 | ccd 3 | ccd 6 | ccd 7 |
|-----------------|--------|--------|--------|--------|--------|--------|
| level 1 events | 150648 | 156589 | 151368 | 152598 | 169824 | 344825 |
| rejected events | 13286 | 13895 | 14208 | 13924 | 15391 | 19705 |
| rejected % | 8% | 8% | 9% | 9% | 9% | 5% |

| | ccd 0 | ccd 1 | ccd 2 | ccd 3 | ccd 6 | ccd 7 |
|----------------|-------|-------|-------|-------|-------|--------|
| grade 0 events | 75782 | 78952 | 76827 | 77840 | 84154 | 83744 |
| | 50% | 50% | 50% | 51% | 49% | 24% |
| grade 1 events | 378 | 360 | 388 | 426 | 450 | 214 |
| | 0% | 0% | 0% | 0% | 0% | 0% |
| grade 2 events | 24010 | 25122 | 23905 | 24505 | 26648 | 71910 |
| | 15% | 16% | 15% | 16% | 15% | 20% |
| grade 3 events | 8724 | 9060 | 8458 | 8707 | 9599 | 33499 |
| | 5% | 5% | 5% | 5% | 5% | 9% |
| grade 4 events | 8814 | 9098 | 8765 | 8710 | 9561 | 32925 |
| | 5% | 5% | 5% | 5% | 5% | 9% |
| grade 5 events | 974 | 1090 | 1012 | 1091 | 1313 | 4506 |
| | 0% | 0% | 0% | 0% | 0% | 1% |
| grade 6 events | 20032 | 20462 | 19205 | 18912 | 24471 | 103042 |
| | 13% | 13% | 12% | 12% | 14% | 29% |
| grade 7 events | 11934 | 12445 | 12808 | 12407 | 13628 | 14985 |
| | 7% | 7% | 8% | 8% | 8% | 4% |

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 | 86.38796515459046 | Alternating exposures requested | N | N |
| Pointing Dec | 0 | -57.39332586412446 | Primary exposure time | 3.2 | 3.2 |
| Pointing Roll | 0.0 | 98.58870109628572 | | | |
| 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 | 84977705.03850999 | 84977704.270045 | | | |
| Observation start date | 2000-09-10T12:55:05 | 2000-09-10T12:55:04 | | | |
| Observation end time | 85019766.940089 | 85019766.171624 | | | |
| Observation end date | 2000-09-11T00:36:07 | 2000-09-11T00:36:06 | | | |
| Read mode | TIMED | TIMED | | | |

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

| | |
|----------------------------|------------|
| V&V Scientist | Jen Lauer |
| V&V Date (YYYY-MM-DD) | 2007.06.07 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 4.11781036 |

A.2 Comments