

V&V Reference Report

L2 ASCDS Version : 7.6.11.10

Observation 2490 - L2 Version 4
Chandra X-Ray Center

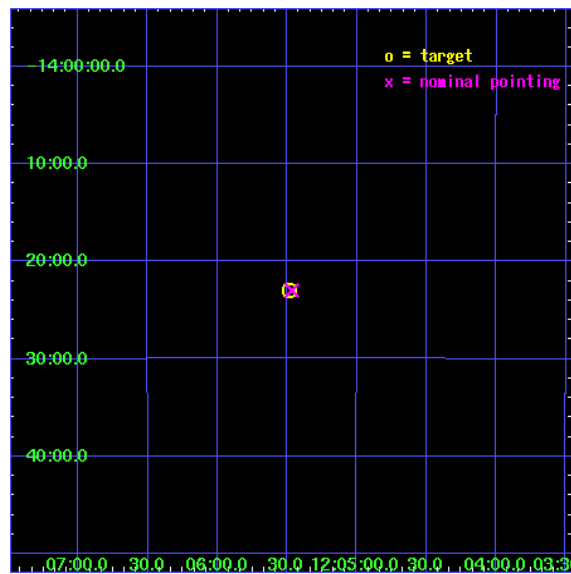
L2 Processing Date : Feb 4 2009

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1 Front

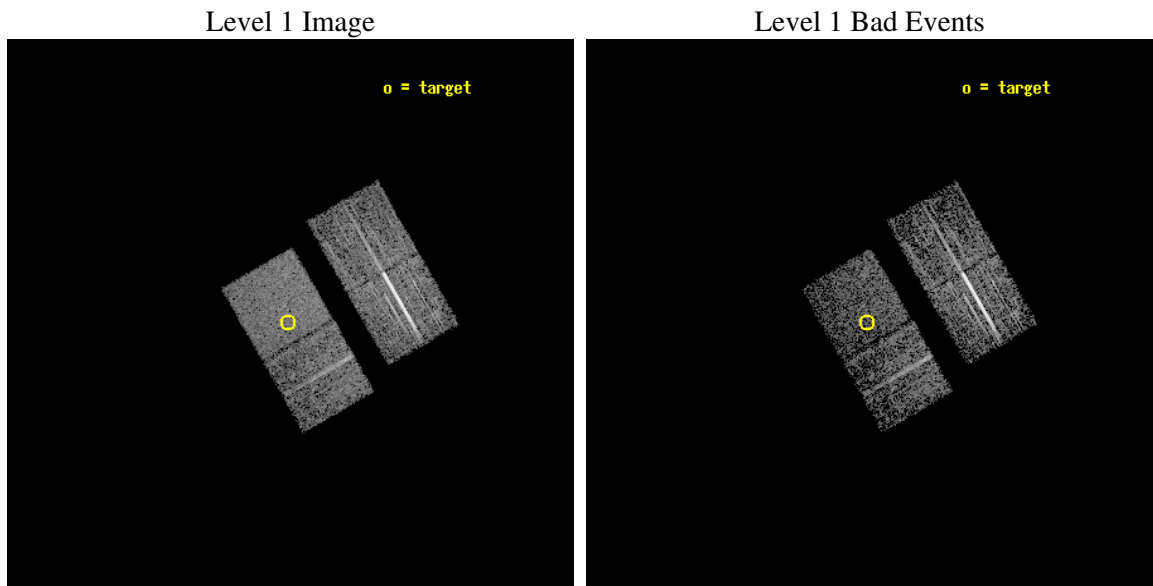
| | |
|----------|--|
| seq_num | 190008 |
| obs_id | 2490 |
| title | ACIS DARK CURRENT CALIBARTION ON DARK MOON |
| observer | DR. SCOTT WOLK |
| object | DARK MOON |
| dtcycle | 0 |
| cycle | P |
| ra_targ | 181.370967 |
| dec_targ | -14.381978 |
| ra_nom | 181.36640973575 |
| dec_nom | -14.383248549366 |
| roll_nom | 240.01065825607 |
| revision | 4 |
| ontime | 0.0 |
| livetime | 0.0 |
| ontime2 | 0.0 |
| ontime3 | 0.0 |
| ontime6 | 0.0 |
| ontime7 | 0.0 |
| l2events | 0 |



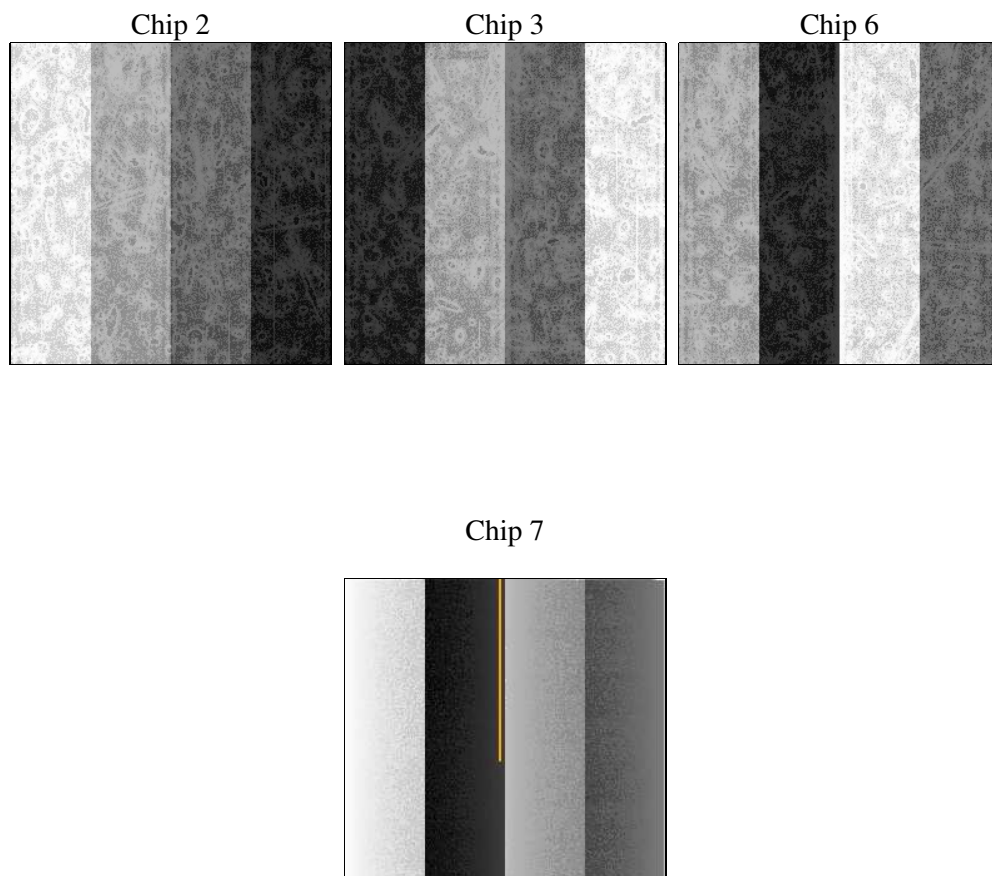
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

| | |
|----------|---------------------|
| obi_num | 1 |
| ascdsver | 7.6.11.10 |
| caldbver | 3.5.1 |
| date | 2009-02-04T06:36:57 |
| revision | 4 |

| | |
|----------------|-----------------|
| sched_exp_time | 3000.000000 |
| ontime | 0.0 |
| ontime2 | 2845.7446515858 |
| ontime3 | 2845.7446515858 |
| ontime6 | 2842.6036913544 |
| ontime7 | 2845.7446515858 |
| llevents | 101083 |

2.1.4 Events

| | ccd 2 | ccd 3 | ccd 6 | ccd 7 |
|-----------------|-------|-------|-------|-------|
| level 1 events | 37977 | 20676 | 19011 | 23419 |
| rejected events | 36147 | 18499 | 16973 | 13720 |
| rejected % | 95% | 89% | 89% | 58% |

| | ccd 2 | ccd 3 | ccd 6 | ccd 7 |
|----------------|-------|-------|-------|-------|
| grade 0 events | 712 | 986 | 776 | 791 |
| | 1% | 4% | 4% | 3% |
| grade 1 events | 44 | 11 | 11 | 21 |
| | 0% | 0% | 0% | 0% |
| grade 2 events | 419 | 415 | 420 | 1836 |
| | 1% | 2% | 2% | 7% |
| grade 3 events | 179 | 184 | 226 | 872 |
| | 0% | 0% | 1% | 3% |
| grade 4 events | 180 | 204 | 198 | 827 |
| | 0% | 0% | 1% | 3% |
| grade 5 events | 484 | 662 | 744 | 2190 |
| | 1% | 3% | 3% | 9% |
| grade 6 events | 340 | 388 | 418 | 5373 |
| | 0% | 1% | 2% | 22% |
| grade 7 events | 35619 | 17826 | 16218 | 11509 |
| | 93% | 86% | 85% | 49% |

2.2 Compared Parameters

| Parameter | Planned | Actual | Parameter | Planned | Actual |
|-----------------------------------|----------------------|----------------------|---------------------------------------|-----------|----------|
| Instrument | ACIS | ACIS | Obspar format version number | 6 | 6 |
| Detector | ACIS-2367 | ACIS-2367 | Obspar file type | PREDICTED | ACTUAL |
| Grating | NONE | NONE | Obspar update status | OVERRIDE | OVERRIDE |
| Data mode | VFAINT | VFAINT | Number of optional ACIS chips dropped | 0 | 0 |
| Observation mode | POINTING | POINTING | On-chip summing requested | N | N |
| Pointing RA | 181.3664097357499 | 181.3664097357499 | Subarray requested | NONE | NONE |
| Pointing Dec | -14.38324854936633 | -14.38324854936633 | Alternating exposures requested | N | N |
| Pointing Roll | 240.0106582560714 | 240.0106582560714 | Primary exposure time | 3.1 | 3.1 |
| SIM focus pos (mm) | -0.68282252473119 | -0.68282252473119 | | | |
| SIM defocus (mm) | 0.001444942264670734 | 0.001444942264670734 | | | |
| SIM translation stage pos (mm) | -190.1400660499 | -190.1400660499 | | | |
| SIM translation stage offset (mm) | 0.007542945932812017 | 0.007542945932812017 | | | |
| Observation start time | 112515228.2292268 | 112515228.2292268 | | | |
| Observation start date | 2001-07-26T06:13:08 | 2001-07-26T06:13:48 | | | |
| Observation end time | 112518300.1543469 | 112518300.1543469 | | | |
| Observation end date | 2001-07-26T07:03:08 | 2001-07-26T07:05:00 | | | |
| Read mode | TIMED | TIMED | | | |

2.3 Star Slots

2.4 FID Slots

3 Point Sources

A Summary

A.1 Status

| | |
|----------------------------|------------|
| V&V Scientist | Jen Lauer |
| V&V Date (YYYY-MM-DD) | 2009.02.04 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 3 |

A.2 Comments

Charge time is based on Level 1 events because the OBC aspect solution was used (violation of earth angle constraint.) Consequently, there are no Level 2 events and no GTI.

This obsid was reprocessed to correct minor errors in parameters used in processing. Some of these parameters cannot be determined automatically for this observation and were derived from spacecraft telemetry.