

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 62042 - L2 Version 5
Chandra X-Ray Center

L2 Processing Date : Aug 28 2012

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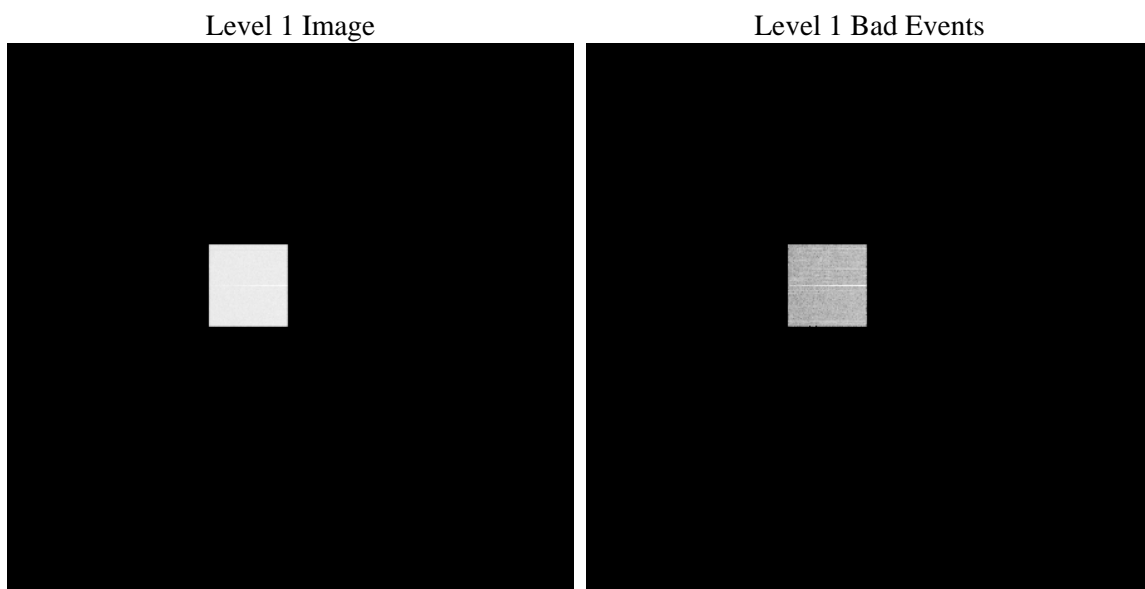
1 Front

| | | |
|----------|---|---|
| seq_num | | Sequence number |
| obs_id | 62042 | Observation id |
| title | ACIS-0 diagnostics; squeegee | Proposal title |
| observer | CHANDRA engineering request/realtime commanding | Principal investig |
| object | | Source name |
| dtcycle | 0 | |
| cycle | P | events from which exps? Prim/Second/Both |
| ra_targ | 0.0 | Observer's specified target RA [deg] |
| dec_targ | 0.0 | Observer's specified target Dec [deg] |
| ra_nom | 37.538677500902 | Nominal RA [deg] |
| dec_nom | -66.342424366209 | Nominal Dec [deg] |
| roll_nom | 152.33164505936 | Nominal Roll [deg] |
| revision | 5 | Processing version of data |
| ontime | 8318.7283561528 | Sum of GTIs [s] |
| livetime | 8216.5444218878 | Livetime [s] |
| ontime0 | 8318.7283561528 | Sum of GTIs [s] |
| l2events | 607723 | Number of level 2 events |

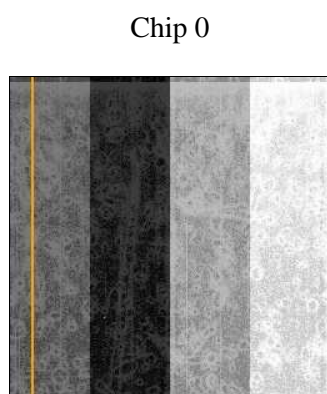
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

| | | | | | |
|----------|---------------------|--------------------------------|----------------|-----------------|---|
| obi_num | 0 | Obi number | sched_exp_time | 0.0 | [s] Scheduled observation exposure time |
| ascdsver | 8.4.5 | Processing system revision | ontime | 8318.7283561528 | Sum of GTIs [s] |
| caldsver | 4.5.1.1 | | ontime0 | 8318.7283561528 | Sum of GTIs [s] |
| date | 2012-08-28T09:54:27 | Date and time of file creation | l1events | 719233 | Number of level 1 events |
| revision | 5 | Processing version of data | | | |

2.1.4 Events

| | |
|-----------------|--------------|
| | ccd 0 |
| level 1 events | 719233 |
| rejected events | 66495 |
| rejected % | 9% |

| | |
|----------------|--------------|
| | ccd 0 |
| grade 0 events | 358472 |
| | 49% |
| grade 1 events | 2025 |
| | 0% |
| grade 2 events | 113808 |
| | 15% |
| grade 3 events | 41812 |
| | 5% |
| grade 4 events | 41805 |
| | 5% |
| grade 5 events | 5005 |
| | 0% |
| grade 6 events | 96983 |
| | 13% |
| grade 7 events | 59323 |
| | 8% |

2.2 Compared Parameters

| Parameter | Planned | Actual | Parameter | Planned | Actual |
|-----------------------------------|---------------------|----------------------|---------------------------------|-----------|---------|
| Instrument | ACIS | ACIS | Obspar format version number | 7 | 7 |
| Detector | ACIS-0 | ACIS-0 | 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 |
| [deg] Pointing RA | 0 | 37.53867750090239 | Alternating exposures requested | N | N |
| [deg] Pointing Dec | 0 | -66.34242436620882 | [s] Primary exposure time | 0.000000 | 3.3 |
| [deg] Pointing Roll | 0.0 | 152.33164505936 | | | |
| [mm] SIM focus pos | -0.782348 | -0.6828225247311905 | | | |
| [mm] SIM defocus | 0 | 0.8505141146731063 | | | |
| [mm] SIM translation stage pos | -233.592463 | 250.466033080201 | | | |
| [mm] SIM translation stage offset | 0 | -0.01005468664627074 | | | |
| [s] Observation start time (MET) | 76066682.708 | 76066681.93917 | | | |
| Observation start date | 2000-05-30T09:38:03 | 2000-05-30T09:38:01 | | | |
| [s] Observation end time (MET) | 76110772.059 | 76110771.290793 | | | |
| Observation end date | 2000-05-30T21:52:52 | 2000-05-30T21:52:51 | | | |
| 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) | 2012.08.30 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 8.3187283561528 |

A.2 Comments

Squeegee mode diagnostic observation; bias map is non-standard.