

V&V Reference Report

L2 ASCDS Version : 8.1.2

Observation 62446 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Dec 16 2009

Contents

| | | |
|----------|-------------------------------|----------|
| 1 | Front | 2 |
| 2 | OBI | 3 |
| 2.1 | OBI | 3 |
| 2.1.1 | Images | 3 |
| 2.1.2 | Parameters | 4 |
| 2.1.3 | Events | 4 |
| 2.2 | Compared Parameters | 5 |
| 2.3 | Star Slots | 6 |
| 2.4 | FID Slots | 6 |
| A | Summary | 7 |
| A.1 | Status | 7 |
| A.2 | Comments | 7 |

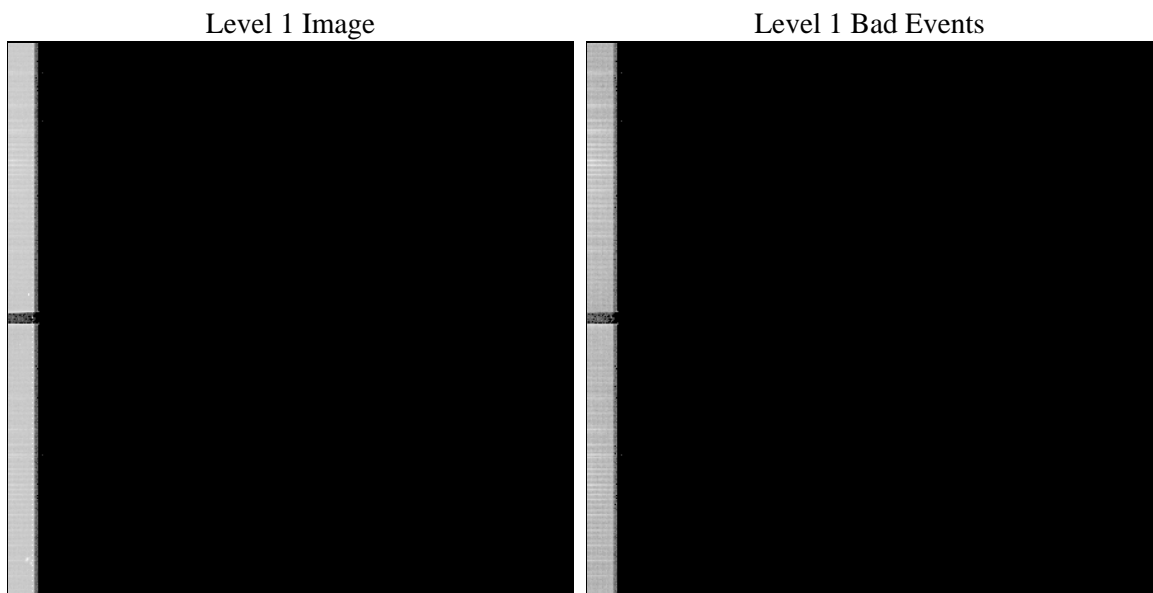
1 Front

| | | |
|----------|---|----------------------------|
| seq_num | 0 | Sequence number |
| obs_id | 62446 | Observation id |
| title | HRC HV turn-on and internal cal source | Proposal title |
| observer | CHANDRA engineering request/realtime commanding | Principal investig |
| object | | Source name |
| ra_targ | 0.0 | Target RA |
| dec_targ | 0.0 | Target Dec |
| ra_nom | 239.57902920447 | Nominal RA |
| dec_nom | 27.224902865107 | Nominal Dec |
| roll_nom | 258.98649993295 | Nominal Roll |
| revision | 4 | Processing version of data |
| ontime | 43433.301563539 | [s] |
| livetime | 43031.923992501 | Ontime multiplied by DTCOR |
| l2events | 3108465 | Number of level 2 events |

2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

| | | | | | |
|----------|---------------------|--------------------------------|----------------|-----------------|-------------------------------------|
| obi_num | 0 | ObI number | sched_exp_time | 3000 | Scheduled observation exposure time |
| ascdsver | 8.1.2 | Processing system revision | ontime | 43433.301563539 | [s] |
| caldsver | 4.1.4 | | l1events | 5068162 | Number of level 1 events |
| date | 2009-12-16T08:13:20 | Date and time of file creation | | | |
| revision | 4 | Processing version of data | | | |

2.1.3 Events

Level 1 Events

| | segment 1 | segment 2 | segment 3 |
|-----------------|----------------------|----------------------|----------------------|
| level 1 events | 1636180 | 1745927 | 1686055 |
| rejected events | 454848 | 504800 | 558602 |
| rejected % | 27% | 28% | 33% |

2.2 Compared Parameters

| Parameter | Planned | Actual |
|-----------------------------------|---------------------|---------------------|
| Instrument | HRC | HRC |
| Detector | HRC-S | HRC-S |
| Grating | NONE | NONE |
| Data mode | OBSERVING | OBSERVING |
| Observation mode | SECONDARY | SECONDARY |
| Pointing RA | 0 | 239.5790292044677 |
| Pointing Dec | 0 | 27.2249028651066 |
| Pointing Roll | 0.0 | 258.9864999329529 |
| SIM focus pos (mm) | -1.429586 | -0.865731118321573 |
| SIM defocus (mm) | 0.1037507710433287 | -0.1814636570216768 |
| SIM translation stage pos (mm) | 250.455976 | -190.1199515274594 |
| SIM translation stage offset (mm) | 0 | -0.012571055548392 |
| Observation start time | 51565772.557 | 51565777.990108 |
| Observation start date | 1999-08-20T19:49:33 | 1999-08-20T19:49:37 |
| Observation stop time | 51613274.544 | 51613286.741819 |
| Observation end date | 1999-08-21T09:01:15 | 1999-08-21T09:01:26 |

| Parameter | Planned | Actual |
|------------------------------|-----------|---------|
| Obspar format version number | 6 | 6 |
| Obspar file type | PREDICTED | ACTUAL |
| Obspar update status | NONE | UPDATED |

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

| | |
|----------------------------|-----------------|
| V&V Scientist | Joy Nichols |
| V&V Date (YYYY-MM-DD) | 2010.02.08 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 43.433301563539 |

A.2 Comments

Internal Calib on HRC-S.