

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4456 - L2 Version 4
Chandra X-Ray Center

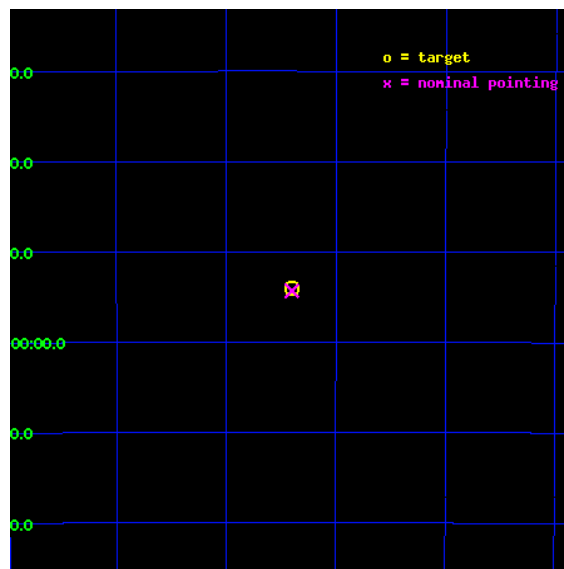
L2 Processing Date : Nov 9 2012

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1 Front

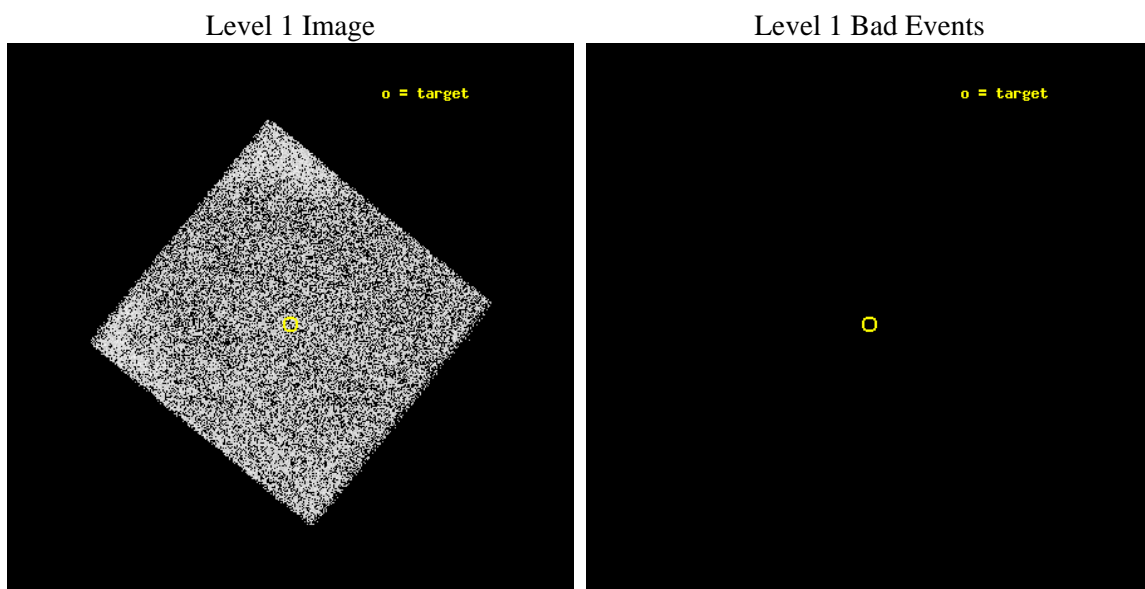
| | | |
|----------|--|---------------------------------------|
| seq_num | 100039 | Sequence number |
| obs_id | 4456 | Observation id |
| title | A Search for Soft X-Ray Auroras on Earth | Proposal title |
| observer | Dr. Ronald Elsner | Principal investigator |
| object | EARTH | Source name |
| ra_targ | 77.6 | Observer's specified target RA [deg] |
| dec_targ | -34.9 | Observer's specified target Dec [deg] |
| ra_nom | 77.600226076494 | Nominal RA [deg] |
| dec_nom | -34.905402086695 | Nominal Dec [deg] |
| roll_nom | 353.89149932285 | Nominal Roll [deg] |
| revision | 4 | Processing version of data |
| ontime | 0.0 | [s] |
| livetime | 0.0 | Ontime multiplied by DTCOR |
| l2events | 0 | 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 | 1200.000000 | [s] Scheduled observation exposure time |
| ascdsver | 8.4.5 | Processing system revision | ontime | 0.0 | [s] |
| caldbver | 4.5.2 | | l1events | 56751 | Number of level 1 events |
| date | 2012-11-09T06:31:13 | Date and time of file creation | | | |
| revision | 4 | Processing version of data | | | |

2.1.3 Events

Level 1 Events

| | |
|-----------------|----------------------|
| | segment 0 |
| level 1 events | 56751 |
| rejected events | 0 |
| rejected % | 0% |

2.2 Compared Parameters

| Parameter | Planned | Actual |
|-----------------------------------|----------------------|----------------------|
| Instrument | HRC | HRC |
| Detector | HRC-I | HRC-I |
| Grating | NONE | NONE |
| Data mode | OBSERVING | OBSERVING |
| Observation mode | POINTING | POINTING |
| [deg] Pointing RA | 77.60019239155818 | 77.60022607649411 |
| [deg] Pointing Dec | -34.90539917685024 | -34.90540208669547 |
| [deg] Pointing Roll | 353.8914800407433 | 353.8914993228514 |
| [s] Window start time (MET) | 187934464.184000 | 187934464.184000 |
| [s] Window stop time (MET) | 187937164.184000 | 187937164.184000 |
| [mm] SIM focus pos | -1.0388663562 | -1.0388663562 |
| [mm] SIM defocus | 0.00142623215544524 | 0.00142623215544524 |
| [mm] SIM translation stage pos | 126.98297999 | 126.98297999 |
| [mm] SIM translation stage offset | 0.002514315287797331 | 0.002514315287797331 |
| [s] Observation start time (MET) | 187935299.2007199 | 187935299.2007199 |
| Observation start date | 2003-12-16T04:13:00 | 2003-12-16T04:14:59 |
| [s] Observation end time (MET) | 187936522.0257729 | 187936522.0257729 |
| Observation end date | 2003-12-16T04:33:00 | 2003-12-16T04:35:22 |

| Parameter | Planned | Actual |
|------------------------------|-----------|----------|
| Obspar format version number | 7 | 7 |
| Obspar file type | PREDICTED | ACTUAL |
| Obspar update status | OVERRIDE | OVERRIDE |

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

| | |
|----------------------------|---------------|
| V&V Scientist | Beth Sundheim |
| V&V Date (YYYY-MM-DD) | 2012.11.30 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 1.17875 |

A.2 Comments

Window constraint met.

Because the OBC aspect solution was used, there are no L2 events, and consequently no GTIs. Charge time was taken from the L1 ontime instead.