

# V&V Reference Report

## L2 ASCDS Version : 7.6.11.10

Observation 4456 - L2 Version 3  
Chandra X-Ray Center

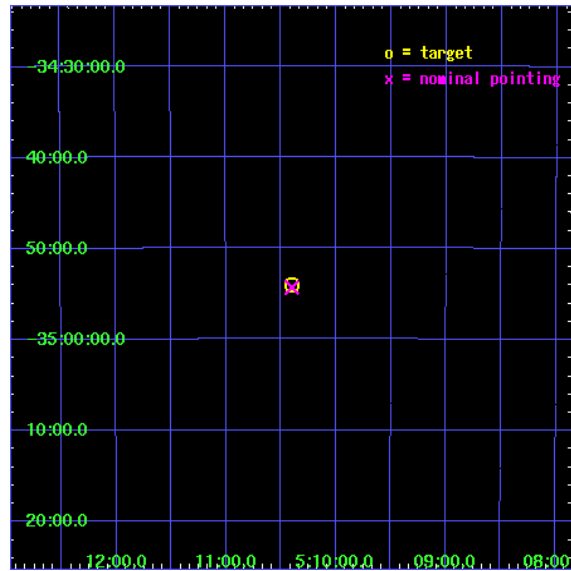
L2 Processing Date : Feb 4 2009

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# 1 Front

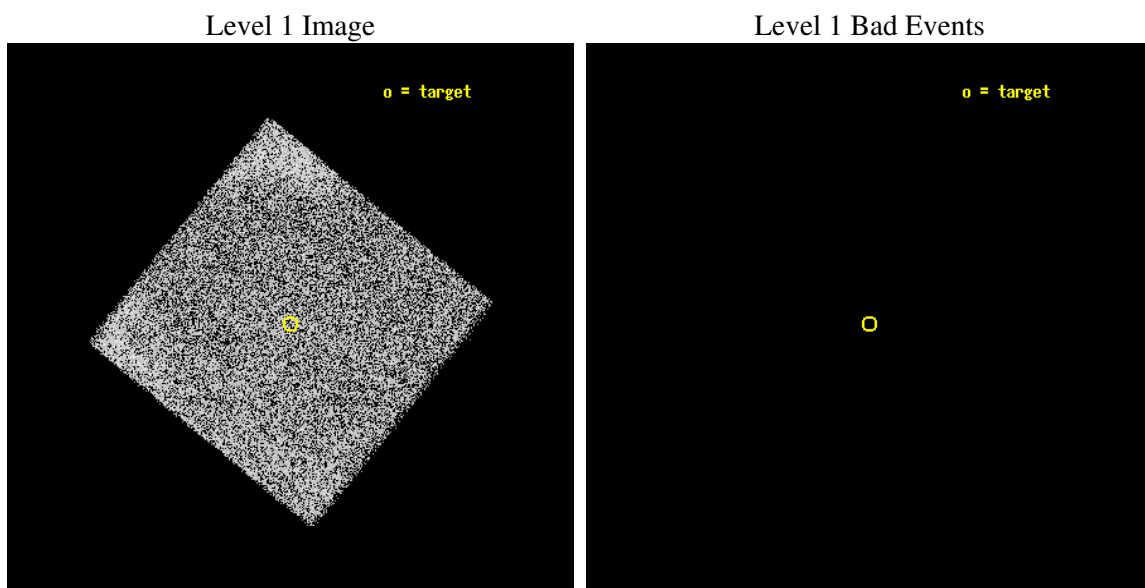
seq_num	100039
obs_id	4456
title	A Search for Soft X-Ray Auroras on Earth
observer	Dr. Ronald Elsner
object	EARTH
ra_targ	77.6
dec_targ	-34.9
ra_nom	77.600192391558
dec_nom	-34.90539917685
roll_nom	353.89148004074
revision	3
ontime	0.0
livetime	0.0
l2events	0



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0
ascdsver	7.6.11.10
caldbver	3.5.1
date	2009-02-04T23:22:48
revision	3

sched_exp_time	1200.000000
ontime	0.0
l1events	56751

### 2.1.3 Events

#### Level 1 Events

	<b>segment 0</b>
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
Pointing RA	77.60019239155818	77.60019239155818
Pointing Dec	-34.90539917685024	-34.90539917685024
Pointing Roll	353.8914800407433	353.8914800407433
Window start time	187934464.184000	187934464.184000
Window stop time	187937164.184000	187937164.184000
SIM focus pos (mm)	-1.0388663562	-1.0388663562
SIM defocus (mm)	0.00142623215544524	0.00142623215544524
SIM translation stage pos (mm)	126.98297999	126.98297999
SIM translation stage offset (mm)	0.002514315287797331	0.002514315287797331
Observation start time	187935299.2007199	187935299.2007199
Observation start date	2003-12-16T04:13:00	2003-12-16T04:14:59
Observation end time	187936522.0257729	187936522.0257729
Observation end date	2003-12-16T04:33:00	2003-12-16T04:35:22

Parameter	Planned	Actual
Obspar format version number	6	6
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE

## **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)	2009.02.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.17875

## A.2 Comments

Window constraint met. On-Board-Computer aspect solution used 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.

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.