

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 4457 - L2 Version 4  
Chandra X-Ray Center

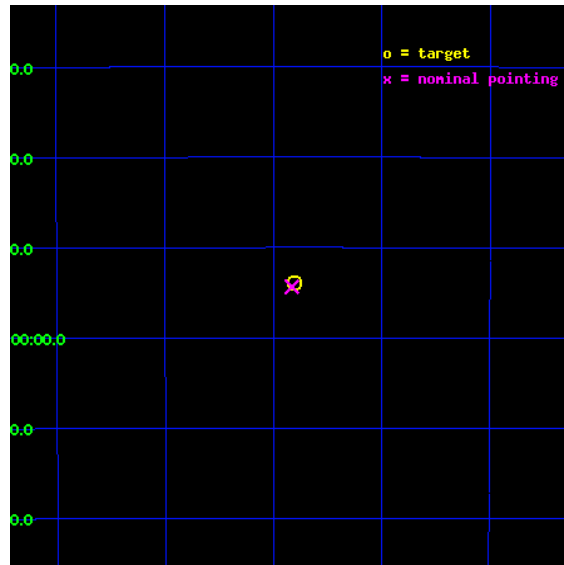
L2 Processing Date : Nov 10 2012

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# 1 Front

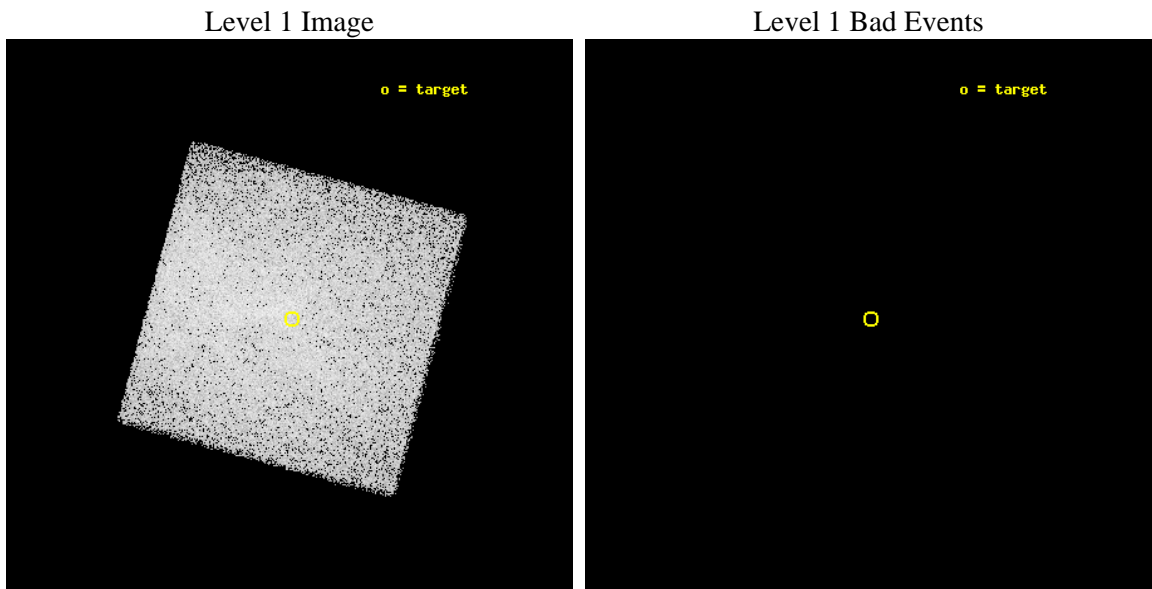
seq_num	100040	Sequence number
obs_id	4457	Observation id
title	A Search for Soft X-Ray Auroras on Earth	Proposal title
observer	Dr. Ronald Elsner	Principal investigator
object	EARTH	Source name
ra_targ	77.2	Observer's specified target RA [deg]
dec_targ	-35.9	Observer's specified target Dec [deg]
ra_nom	77.206980984601	Nominal RA [deg]
dec_nom	-35.906028728459	Nominal Dec [deg]
roll_nom	329.83778173476	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	&#160	l1events	148339	Number of level 1 events
date	2012-11-10T08:14:00	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

	<b>segment 0</b>
level 1 events	148339
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	77.20695130477124	77.20698098460097
[deg] Pointing Dec	-35.90601481156155	-35.90602872845926
[deg] Pointing Roll	329.8377643219943	329.8377817347614
[s] Window start time (MET)	189762364.184000	189762364.184000
[s] Window stop time (MET)	189765064.184000	189765064.184000
[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)	189763046.184	189763046.184
Observation start date	2004-01-06T07:56:00	2004-01-06T07:57:26
[s] Observation end time (MET)	189764299.184	189764299.184
Observation end date	2004-01-06T08:16:00	2004-01-06T08:18:19

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	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.12.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.2

## A.2 Comments

Charge time is based on Level 1 events because the OBC aspect solution was used. Consequently, there are no Level 2 events and no GTI. Window constraint satisfied.