

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 4460 - L2 Version 4  
Chandra X-Ray Center

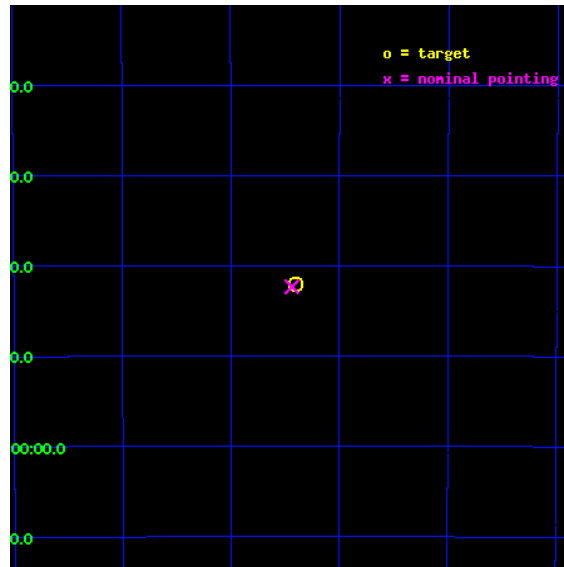
L2 Processing Date : Nov 11 2012

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# 1 Front

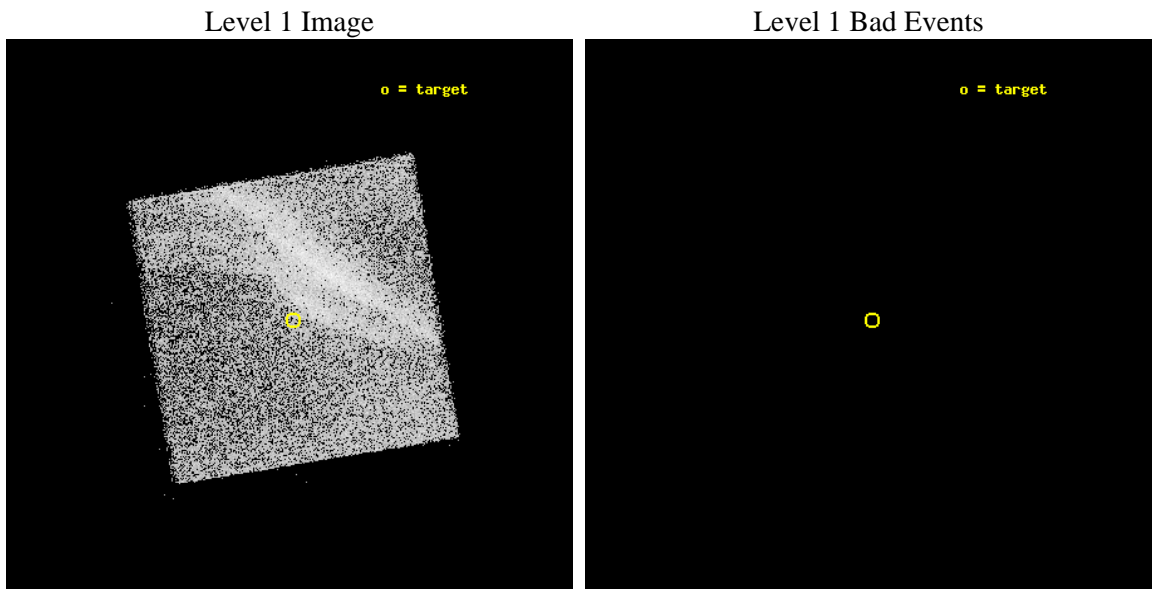
seq_num	100043	Sequence number
obs_id	4460	Observation id
title	A Search for Soft X-Ray Auroras on Earth	Proposal title
observer	Dr. Ronald Elsner	Principal investigator
object	EARTH	Source name
ra_targ	76.1	Observer's specified target RA [deg]
dec_targ	-35.7	Observer's specified target Dec [deg]
ra_nom	76.109313595774	Nominal RA [deg]
dec_nom	-35.705787031553	Nominal Dec [deg]
roll_nom	305.37372996007	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	90446	Number of level 1 events
date	2012-11-11T13:02:10	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	90446
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	76.10929374602551	76.10931359577401
[deg] Pointing Dec	-35.70576440856975	-35.70578703155314
[deg] Pointing Roll	305.3737183684945	305.3737299600742
[s] Window start time (MET)	191818564.184000	191818564.184000
[s] Window stop time (MET)	191821264.184000	191821264.184000
[mm] SIM focus pos	-1.0388663562	-1.0388663562
[mm] SIM defocus	0.00142623215544524	0.00142623215544524
[mm] SIM translation stage pos	126.9804656747	126.9804656747
[mm] SIM translation stage offset	0.005028630587801786	0.005028630587801786
[s] Observation start time (MET)	191819180.169862	191819180.169862
Observation start date	2004-01-30T03:05:00	2004-01-30T03:06:20
[s] Observation end time (MET)	191820410.919917	191820410.919917
Observation end date	2004-01-30T03:25:00	2004-01-30T03:26:50

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)	2012.12.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.178

## A.2 Comments

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