

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 4465 - L2 Version 4  
Chandra X-Ray Center

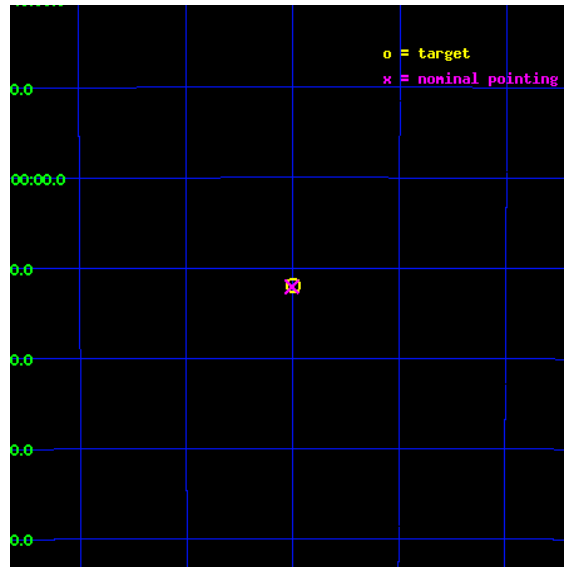
L2 Processing Date : Nov 30 2012

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# 1 Front

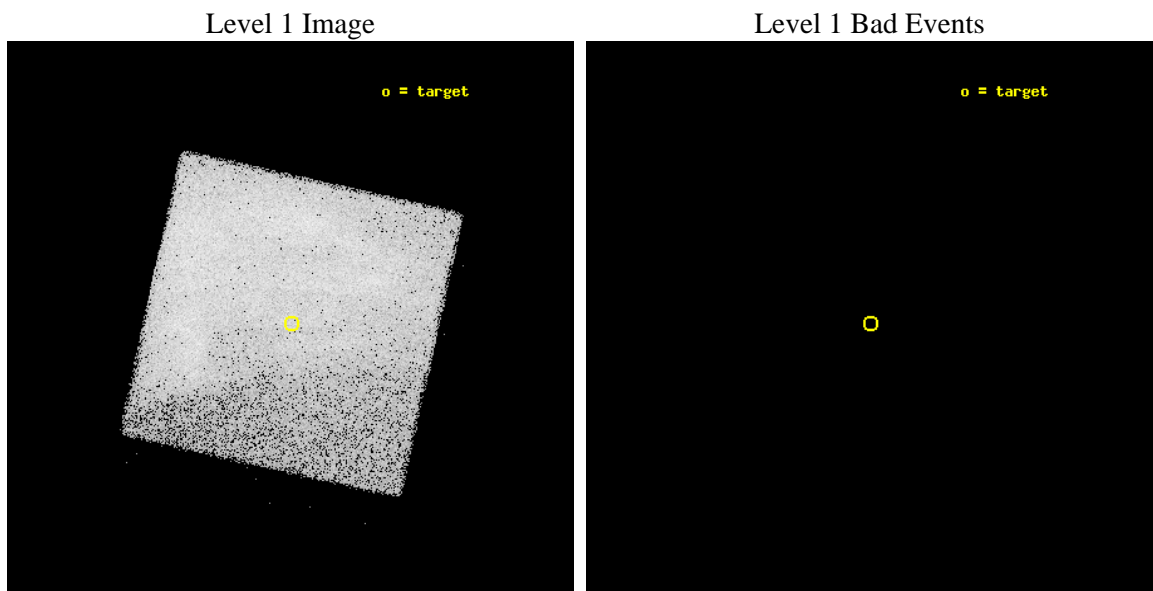
seq_num	100048	Sequence number
obs_id	4465	Observation id
title	A Search for Soft X-Ray Auroras on Earth	Proposal title
observer	Dr. Ronald Elsner	Principal investigator
object	EARTH	Source name
ra_targ	73.5	Observer's specified target RA [deg]
dec_targ	-37.2	Observer's specified target Dec [deg]
ra_nom	73.501895472307	Nominal RA [deg]
dec_nom	-37.201707122773	Nominal Dec [deg]
roll_nom	237.31170387248	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	200760	Number of level 1 events
date	2012-11-30T13:24:30	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	200760
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	73.50191425785351	73.50189547230708
[deg] Pointing Dec	-37.20168371943607	-37.20170712277342
[deg] Pointing Roll	237.3117152238419	237.3117038724826
[s] Window start time (MET)	198215164.184000	198215164.184000
[s] Window stop time (MET)	198217864.184000	198217864.184000
[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)	198215180.450566	198215180.450566
Observation start date	2004-04-13T03:45:00	2004-04-13T03:46:20
[s] Observation end time (MET)	198216438.125621	198216438.125621
Observation end date	2004-04-13T04:05:00	2004-04-13T04:07:18

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)	2012.12.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.18

## A.2 Comments

Window preference met.

Because the OBC aspect solution was used and the MTL constraints were violated (specifically, the earth angle constraint), there are no L2 events and consequently no ontime or GTI. Charge time is set to the L1 time.