

# V&V Reference Report

## L2 ASCDS Version : 10.9.1

Observation 4461 - L2 Version 5  
Chandra X-Ray Center

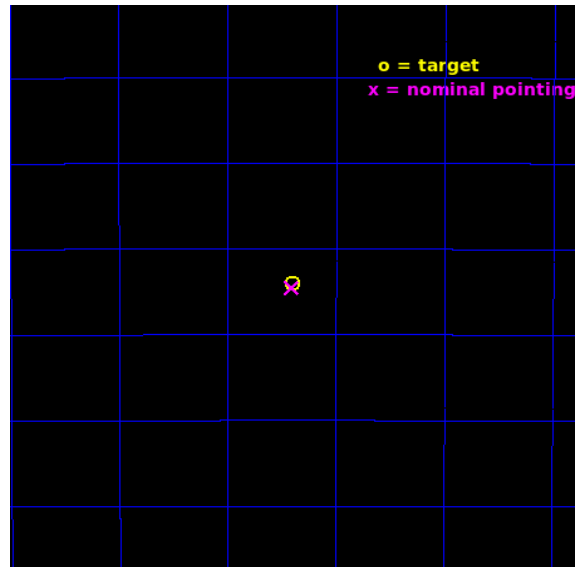
L2 Processing Date : Sep 24 2020

## Contents

<b>1</b>	<b>Front</b>	<b>2</b>
<b>2</b>	<b>OBI</b>	<b>3</b>
2.1	OBI . . . . .	3
2.1.1	Images . . . . .	3
2.1.2	Parameters . . . . .	4
2.1.3	Events . . . . .	4
2.2	Compared Parameters . . . . .	5
2.3	Star Slots . . . . .	6
2.4	FID Slots . . . . .	6
<b>A</b>	<b>Summary</b>	<b>7</b>
A.1	Status . . . . .	7
A.2	Comments . . . . .	7

# 1 Front

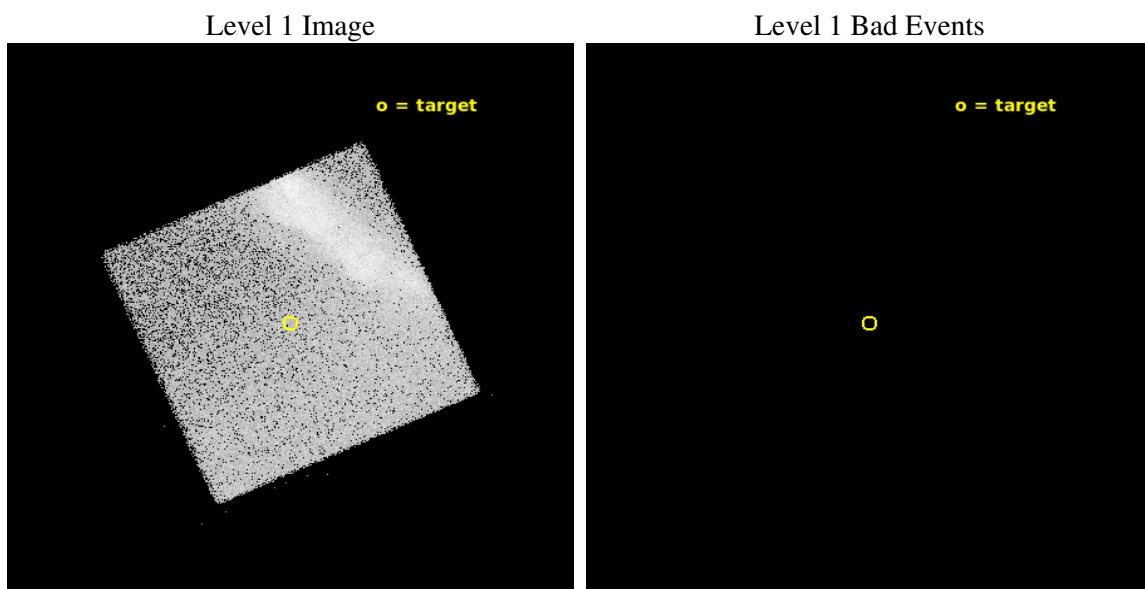
seq_num	100044	Sequence number
obs_id	4461	Observation id
title	A Search for Soft X-Ray Auroras on Earth	Proposal title
observer	Dr. Ronald Elsner	Principal investigator
object	EARTH	Source name
ra_targ	75.1	Observer's specified target RA [deg]
dec_targ	-35.9	Observer's specified target Dec [deg]
ra_nom	75.10134037137	Nominal RA [deg]
dec_nom	-35.909112171594	Nominal Dec [deg]
roll_nom	290.60691348006	Nominal Roll [deg]
revision	5	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	10.9.1	Processing system revision	ontime	0.0	[s]
caldbver	4.9.2	&#160	l1events	162484	Number of level 1 events
date	2020-09-24T03:58:35	Date and time of file creation			
revision	5	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

	<b>segment 0</b>
level 1 events	162484
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	75.10132824734679	75.10134037137024
[deg] Pointing Dec	-35.90908618744771	-35.9091121715938
[deg] Pointing Roll	290.6069063625001	290.6069134800605
[s] Window start time (MET)	193189264.184000	193189264.184000
[s] Window stop time (MET)	193191964.184000	193191964.184000
[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)	193190285.82981	193190285.82981
Observation start date	2004-02-14T23:56:21	2004-02-14T23:58:05
[s] Observation end time (MET)	193191519.929864	193191519.929864
Observation end date	2004-02-15T00:16:21	2004-02-15T00:18:39

Parameter	Planned	Actual
Obspar format version number	8	8
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)	2020.09.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.148

## A.2 Comments

Window preference met.

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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.

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This is an observation of a moving target. Users will need to run sso\_freeze or similar software to position the events in the reference frame of the target.