

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4465 - L2 Version 5
Chandra X-Ray Center

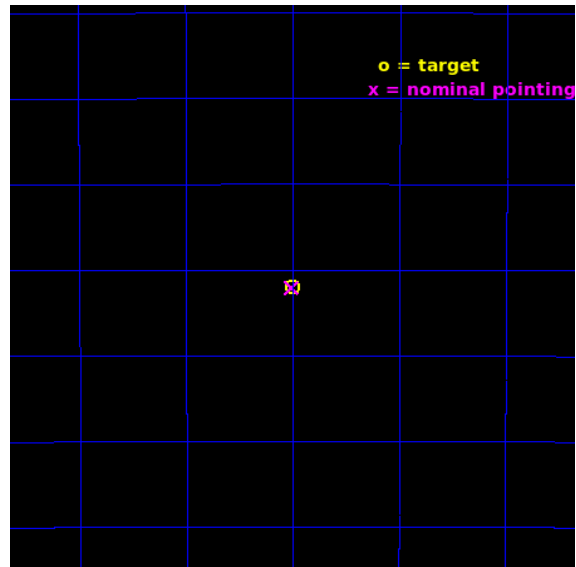
L2 Processing Date : Sep 24 2020

Contents

1	Front	2
2	OBI	3
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
A	Summary	7
A.1	Status	7
A.2	Comments	7

1 Front

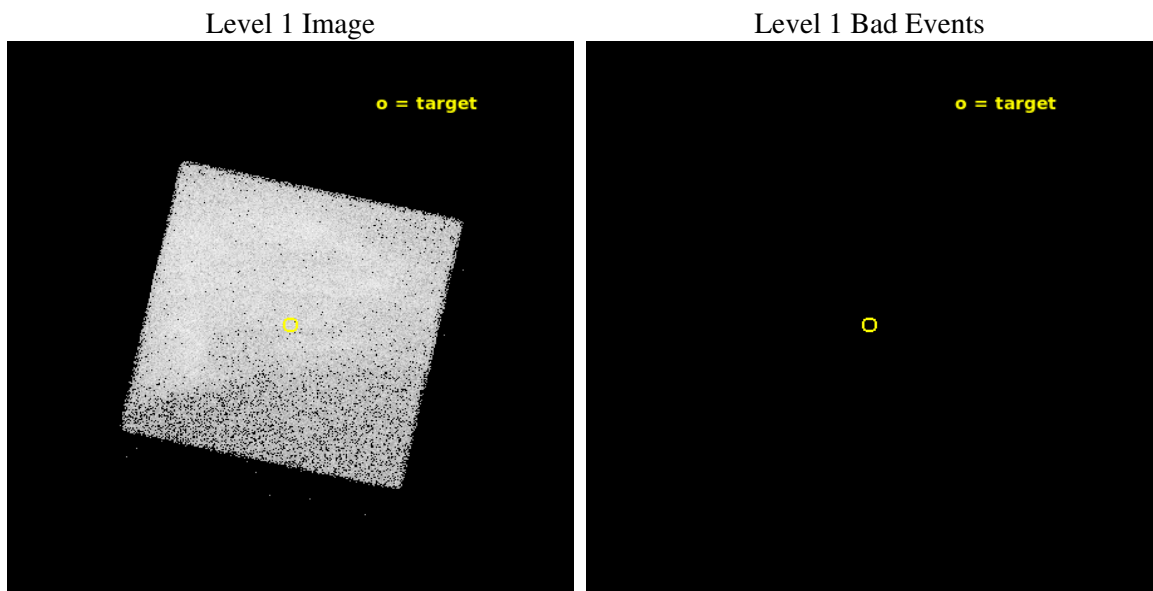
seq_num	100048	Sequence number
obs_id	4465	Observation id
title	A Search for Soft X-Ray Auroras on Earth	Proposal title
observer	Dr. Ronald Elsner	Principal investigator
object	EARTH	Source name
ra_targ	73.5	Observer's specified target RA [deg]
dec_targ	-37.2	Observer's specified target Dec [deg]
ra_nom	73.501895472307	Nominal RA [deg]
dec_nom	-37.201707122773	Nominal Dec [deg]
roll_nom	237.31170387248	Nominal Roll [deg]
revision	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	 	l1events	200760	Number of level 1 events
date	2020-09-25T02:51:58	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

	segment 0
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	-37.20170712277343
[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	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)	2020.09.27
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, there are no L2 events, and consequently no GTI. Charge time is set to the L1 ontime.

===

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.