

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4462 - L2 Version 5
Chandra X-Ray Center

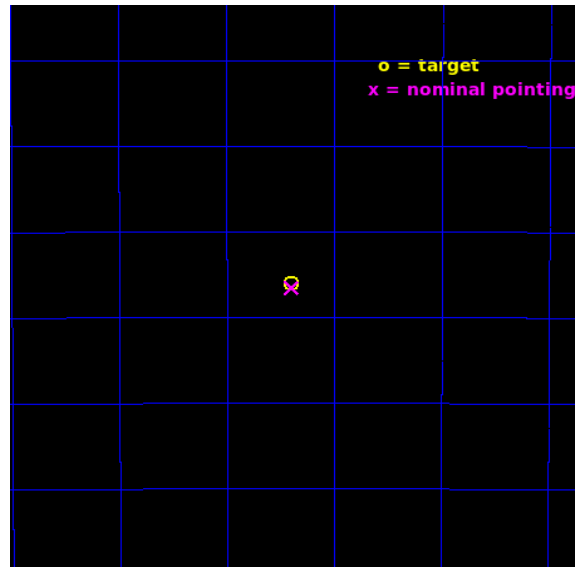
L2 Processing Date : Sep 24 2020

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1 Front

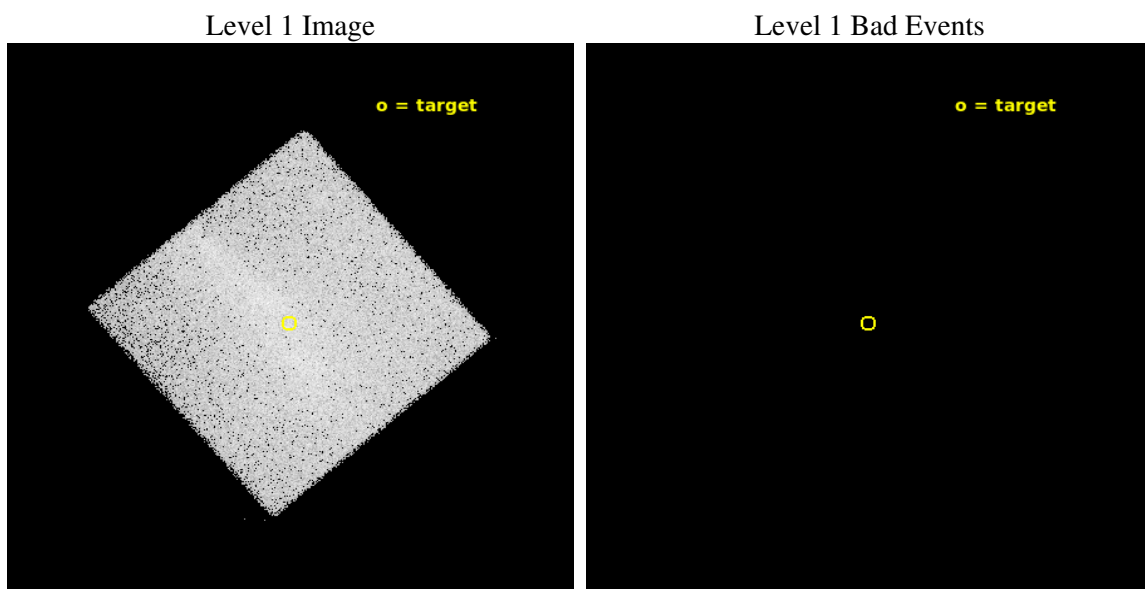
seq_num	100045	Sequence number
obs_id	4462	Observation id
title	A Search for Soft X-Ray Auroras on Earth	Proposal title
observer	Dr. Ronald Elsner	Principal investigator
object	EARTH	Source name
ra_targ	74.1	Observer's specified target RA [deg]
dec_targ	-36.6	Observer's specified target Dec [deg]
ra_nom	74.098312564121	Nominal RA [deg]
dec_nom	-36.609055957566	Nominal Dec [deg]
roll_nom	274.10579050766	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	1633.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	0.0	[s]
caldbver	4.9.2	 	l1events	185794	Number of level 1 events
date	2020-09-24T19:25:47	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

	segment 0
level 1 events	185794
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	74.09831002898197	74.09831256412076
[deg] Pointing Dec	-36.60902825443208	-36.60905595756637
[deg] Pointing Roll	274.1057889890139	274.1057905076563
[s] Window start time (MET)	194788264.184000	194788264.184000
[s] Window stop time (MET)	194790364.184000	194790364.184000
[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)	194789089.099794	194789089.099794
Observation start date	2004-03-04T12:03:00	2004-03-04T12:04:49
[s] Observation end time (MET)	194790751.649867	194790751.649867
Observation end date	2004-03-04T12:30:13	2004-03-04T12:32:31

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	1.479

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.

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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.

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Window constraint was exceeded by seven minutes at the end of the observation.