

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4458 - L2 Version 5
Chandra X-Ray Center

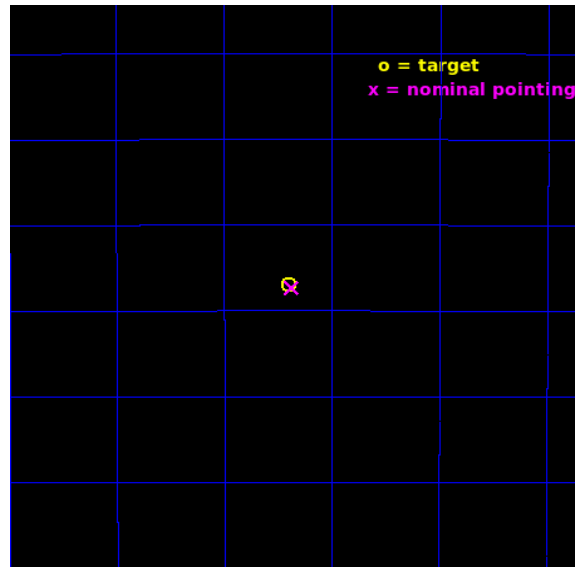
L2 Processing Date : Sep 24 2020

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1 Front

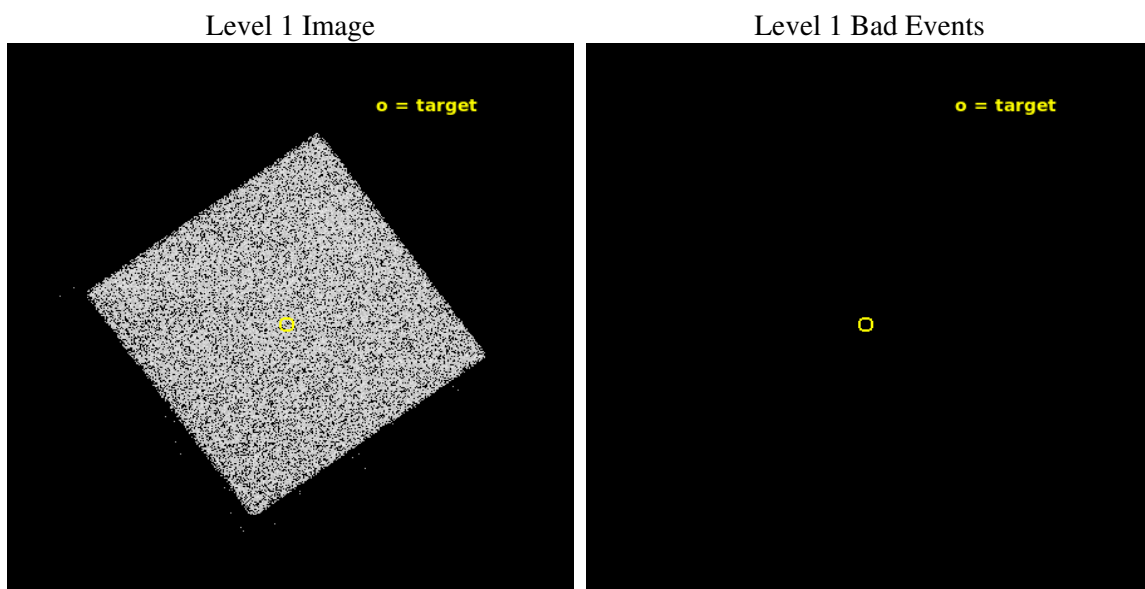
seq_num	100041	Sequence number
obs_id	4458	Observation id
title	A Search for Soft X-Ray Auroras on Earth	Proposal title
observer	Dr. Ronald Elsner	Principal investigator
object	EARTH	Source name
ra_targ	75.1	Observer's specified target RA [deg]
dec_targ	-36.45	Observer's specified target Dec [deg]
ra_nom	75.092477416798	Nominal RA [deg]
dec_nom	-36.455621233378	Nominal Dec [deg]
roll_nom	279.249741358	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	1	Obi number	sched_exp_time	1200.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	0.0	[s]
caldsver	4.9.2	 	l1events	86376	Number of level 1 events
date	2020-09-24T05:22:12	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

	segment 0
level 1 events	86376
rejected events	0
rejected %	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	8	8
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	OVERRIDE	OVERRIDE
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	75.09247180879908	75.09247741679756			
[deg] Pointing Dec	-36.45559382430653	-36.45562123337832			
[deg] Pointing Roll	279.2497380189947	279.2497413580001			
[s] Window start time (MET)	194331664.184000	194331664.184000			
[s] Window stop time (MET)	194334064.184000	194334064.184000			
[mm] SIM focus pos	-1.0388663562	-1.0388663562			
[mm] SIM defocus	0.00142623215544524	0.00142623215544524			
[mm] SIM translation stage pos	126.9854943053	126.9854943053			
[mm] SIM translation stage offset	-1.219291334564332e-11	-1.219291334564332e-11			
[s] Observation start time (MET)	194331693.079754	194331693.079754			
Observation start date	2004-02-28T05:00:00	2004-02-28T05:01:33			
[s] Observation end time (MET)	194332938.454809	194332938.454809			
Observation end date	2004-02-28T05:20:00	2004-02-28T05:22:18			

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	1.245

A.2 Comments

Window constraint satisfied.

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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.