

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 51501 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Nov 17 2015

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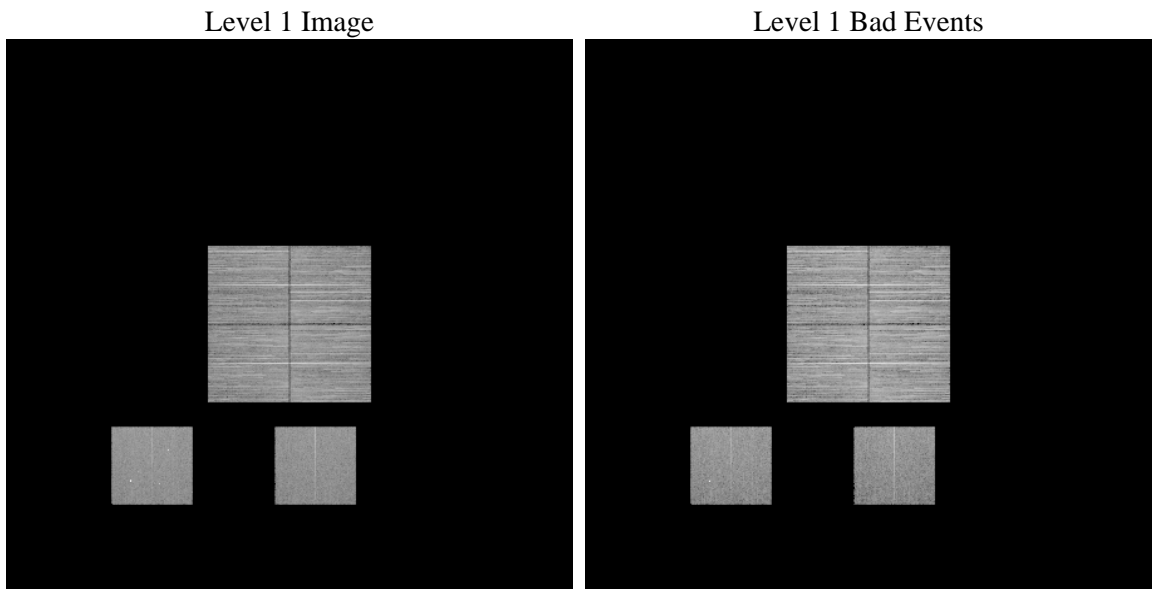
1 Front

seq_num	 	Sequence number
obs_id	51501	Observation id
title	ACIS-012357 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	171.93994243883	Nominal RA [deg]
dec_nom	-26.20570200833	Nominal Dec [deg]
roll_nom	84.272569394309	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8460.8001260757	Sum of GTIs [s]
livetime	8353.6643803972	Livetime [s]
ontime0	8460.8001260757	Sum of GTIs [s]
ontime1	8460.8001260757	Sum of GTIs [s]
ontime2	8460.8001260757	Sum of GTIs [s]
ontime3	8460.8001260757	Sum of GTIs [s]
ontime5	8460.8001260757	Sum of GTIs [s]
ontime7	8460.8001260757	Sum of GTIs [s]
l2events	182173	Number of level 2 events

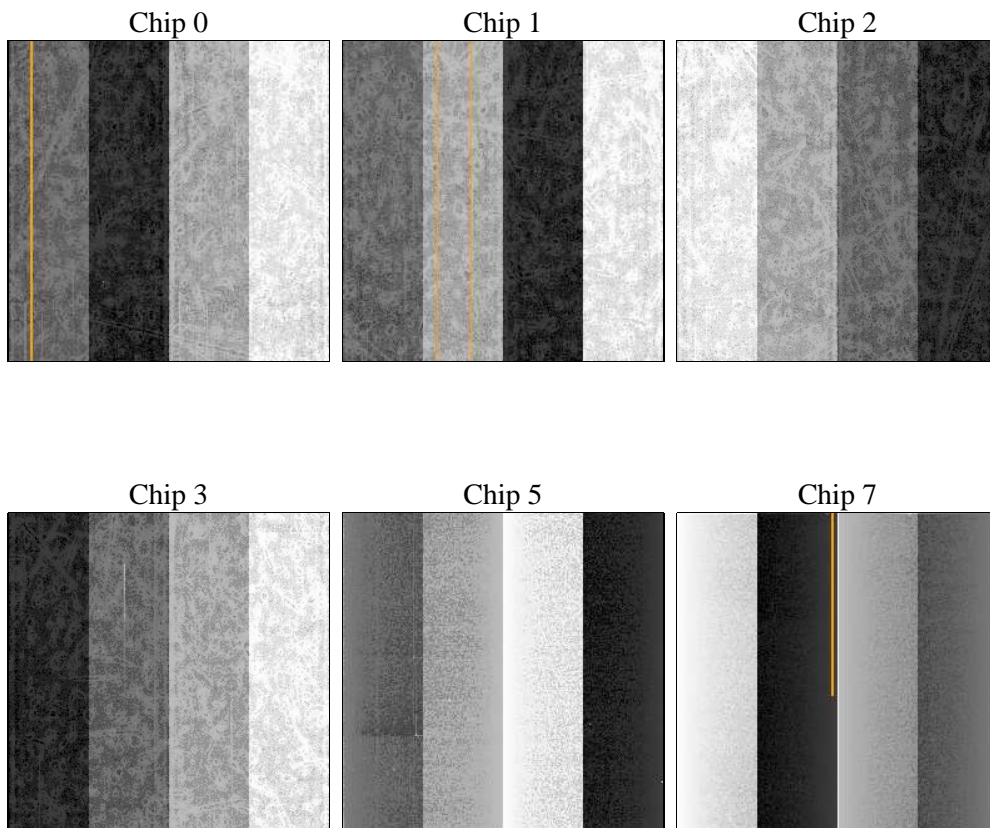
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	10.4.2.1	Processing system revision	ontime	8460.8001260757	Sum of GTIs [s]
caldsver	4.6.10a	 	ontime0	8460.8001260757	Sum of GTIs [s]
date	2015-11-17T20:06:11	Date and time of file creation	ontime1	8460.8001260757	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8460.8001260757	Sum of GTIs [s]
			ontime3	8460.8001260757	Sum of GTIs [s]
			ontime5	8460.8001260757	Sum of GTIs [s]
			ontime7	8460.8001260757	Sum of GTIs [s]
			l1events	873496	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	148466	155112	151866	161377	133825	122850	grade 0 events	10268	9795	10540	10483	4599	5725
rejected events	126918	133000	130258	139709	77560	72909		6%	6%	6%	6%	3%	4%
rejected %	85%	85%	85%	86%	57%	59%	grade 1 events	70	52	69	82	155	89
								0%	0%	0%	0%	0%	0%
							grade 2 events	4745	5243	4541	4447	20754	12482
								3%	3%	2%	2%	15%	10%
							grade 3 events	1531	1507	1554	1588	1623	3700
								1%	0%	1%	0%	1%	3%
							grade 4 events	1441	1560	1506	1602	1579	3706
								0%	1%	0%	0%	1%	3%
							grade 5 events	3009	2946	2881	3260	6138	7901
								2%	1%	1%	2%	4%	6%
							grade 6 events	3563	4007	3467	3548	27710	24328
								2%	2%	2%	2%	20%	19%
							grade 7 events	123839	130002	127308	136367	71267	64919
								83%	83%	83%	84%	53%	52%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	171.9399424388285	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-26.20570200832966	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	84.27256939430912	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.7809083437167272			
[mm] SIM defocus	0.1037507710433287	0.7524282956875696			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	564143230.384104	564143229.3591			
Observation start date	2015-11-17T10:27:10	2015-11-17T10:27:09			
[s] Observation end time (MET)	564155856.33482	564155855.3098201			
Observation end date	2015-11-17T13:57:36	2015-11-17T13:57:35			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.11.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4608001260757

A.2 Comments