

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 59459 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 28 2012

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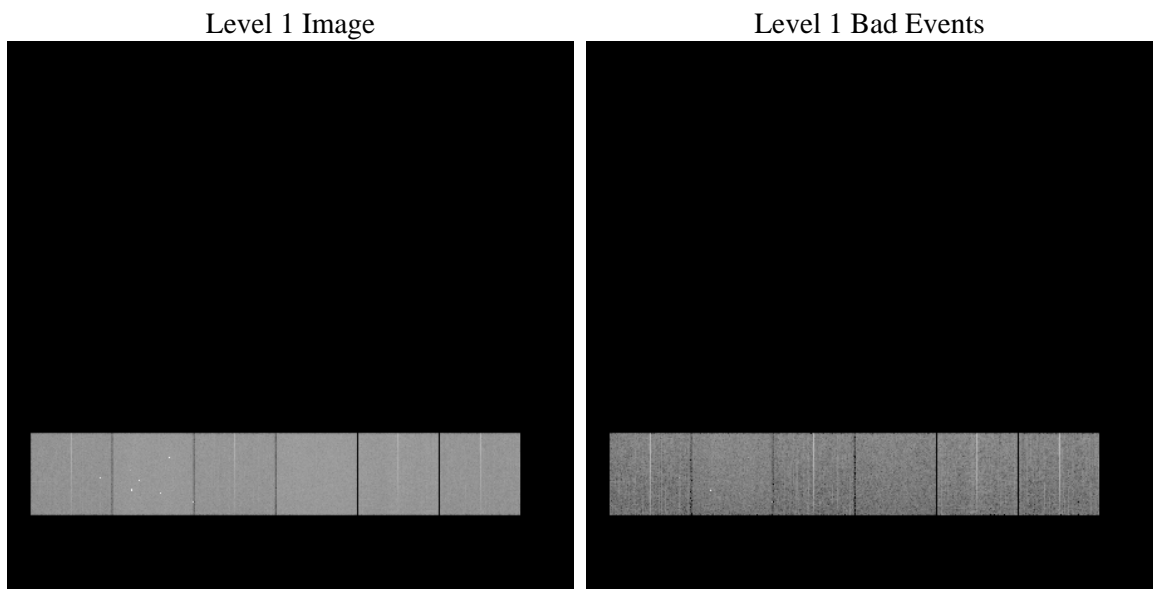
1 Front

seq_num	 	Sequence number
obs_id	59459	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtcycle	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	324.99172024972	Nominal RA [deg]
dec_nom	18.972478058754	Nominal Dec [deg]
roll_nom	221.16831580051	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8182.3999695182	Sum of GTIs [s]
livetime	8078.7894942544	Livetime [s]
ontime4	6743.404838711	Sum of GTIs [s]
ontime5	8182.3999695182	Sum of GTIs [s]
ontime6	7180.9370792508	Sum of GTIs [s]
ontime7	8182.3999695182	Sum of GTIs [s]
ontime8	7427.2515515983	Sum of GTIs [s]
ontime9	7028.6114038229	Sum of GTIs [s]
l2events	1058703	Number of level 2 events

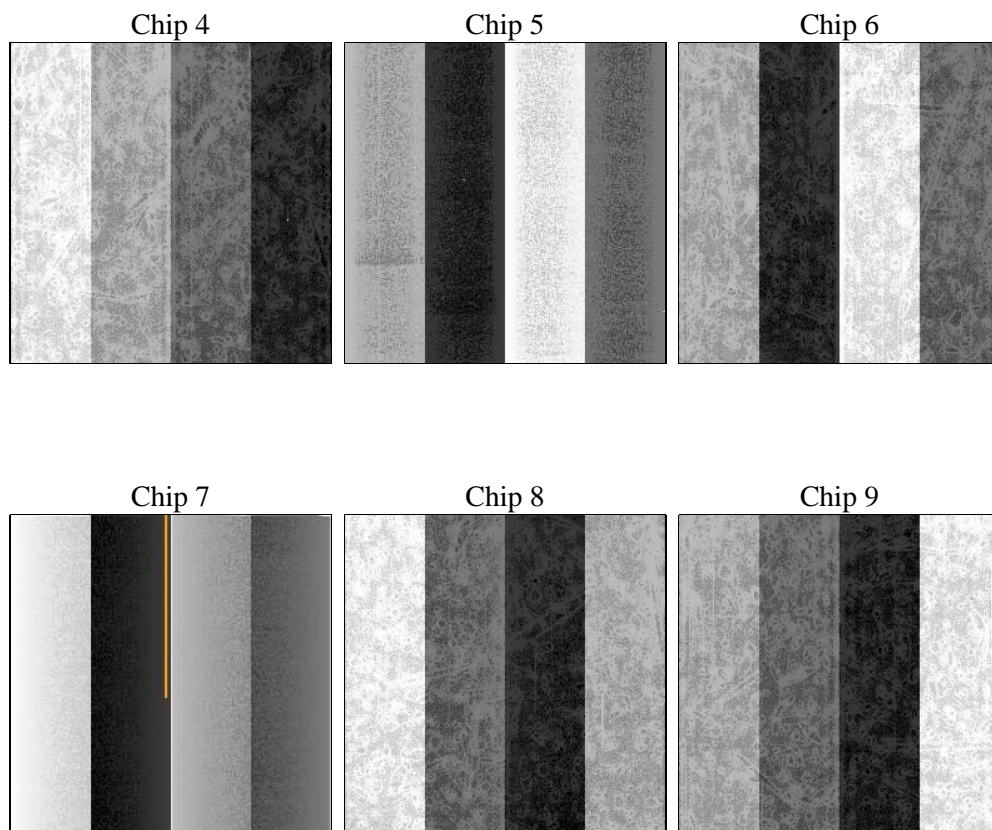
2 OBI

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	8.5.1.1	Processing system revision	ontime	8182.3999695182	Sum of GTIs [s]
caldsver	4.5.5	 	ontime4	6743.404838711	Sum of GTIs [s]
date	2012-12-28T23:22:56	Date and time of file creation	ontime5	8182.3999695182	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	7180.9370792508	Sum of GTIs [s]
			ontime7	8182.3999695182	Sum of GTIs [s]
			ontime8	7427.2515515983	Sum of GTIs [s]
			ontime9	7028.6114038229	Sum of GTIs [s]
			l1events	1488571	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	215172	269320	237878	275391	261388	229422	grade 0 events	93552	45550	97447	52762	105698	94675
rejected events	55405	63194	57230	53823	65509	57981		43%	16%	40%	19%	40%	41%
rejected %	25%	23%	24%	19%	25%	25%	grade 1 events	746	330	534	183	631	606
								0%	0%	0%	0%	0%	0%
							grade 2 events	24833	76889	31404	48976	34831	29415
								11%	28%	13%	17%	13%	12%
							grade 3 events	10745	10964	11269	21686	13193	10965
								4%	4%	4%	7%	5%	4%
							grade 4 events	10521	10589	11490	21391	12776	10925
								4%	3%	4%	7%	4%	4%
							grade 5 events	3017	9377	3462	8994	4326	3670
								1%	3%	1%	3%	1%	1%
							grade 6 events	21571	64499	31147	79132	31620	27490
								10%	23%	13%	28%	12%	11%
							grade 7 events	50187	51122	51125	42267	58313	51676
								23%	18%	21%	15%	22%	22%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	324.9917202497244	Alternating exposures requested	N	N
[deg] Pointing Dec	0	18.97247805875388	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	221.1683158005087			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	242442758.816381	242442757.79137			
Observation start date	2005-09-07T01:12:39	2005-09-07T01:12:37			
[s] Observation end time (MET)	242455177.716952	242455176.69194			
Observation end date	2005-09-07T04:39:38	2005-09-07T04:39:36			
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)	2013.01.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1823999695182

A.2 Comments