

V&V Reference Report

L2 ASCDS Version : 10.2.1

Observation 52849 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 14 2014

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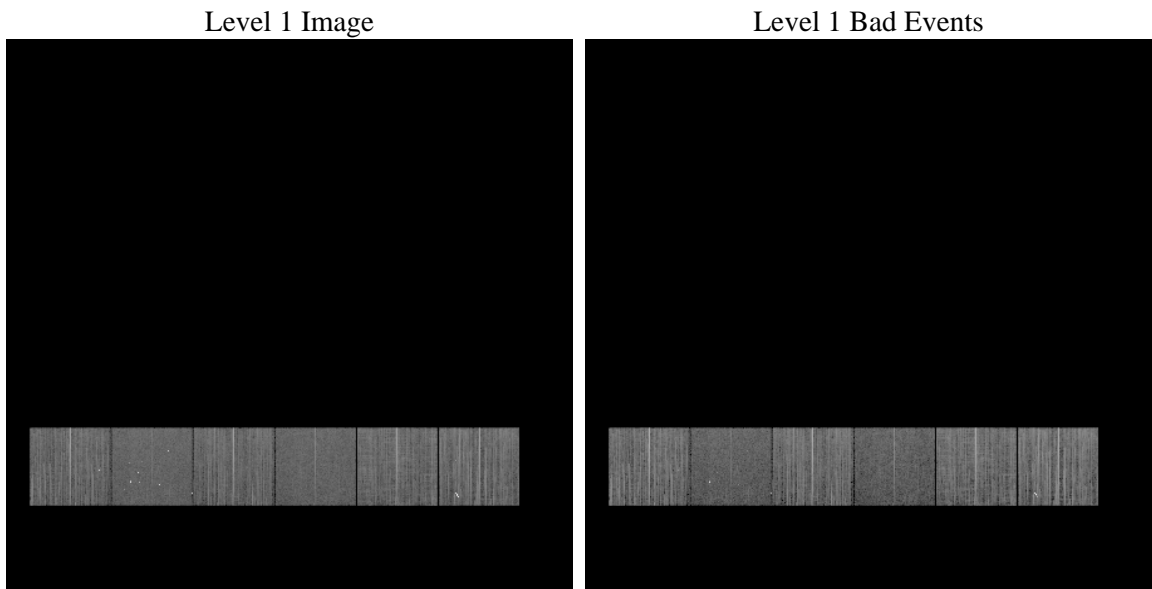
1 Front

seq_num	 	Sequence number
obs_id	52849	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	198.61351688874	Nominal RA [deg]
dec_nom	14.977961895033	Nominal Dec [deg]
roll_nom	188.31417205231	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8079.7864158154	Sum of GTIs [s]
livetime	7977.475295155	Livetime [s]
ontime4	8079.6632958055	Sum of GTIs [s]
ontime5	8079.7453758121	Sum of GTIs [s]
ontime6	8079.7043358088	Sum of GTIs [s]
ontime7	8079.7864158154	Sum of GTIs [s]
ontime8	8079.6222558022	Sum of GTIs [s]
ontime9	8079.8274558187	Sum of GTIs [s]
l2events	194837	Number of level 2 events

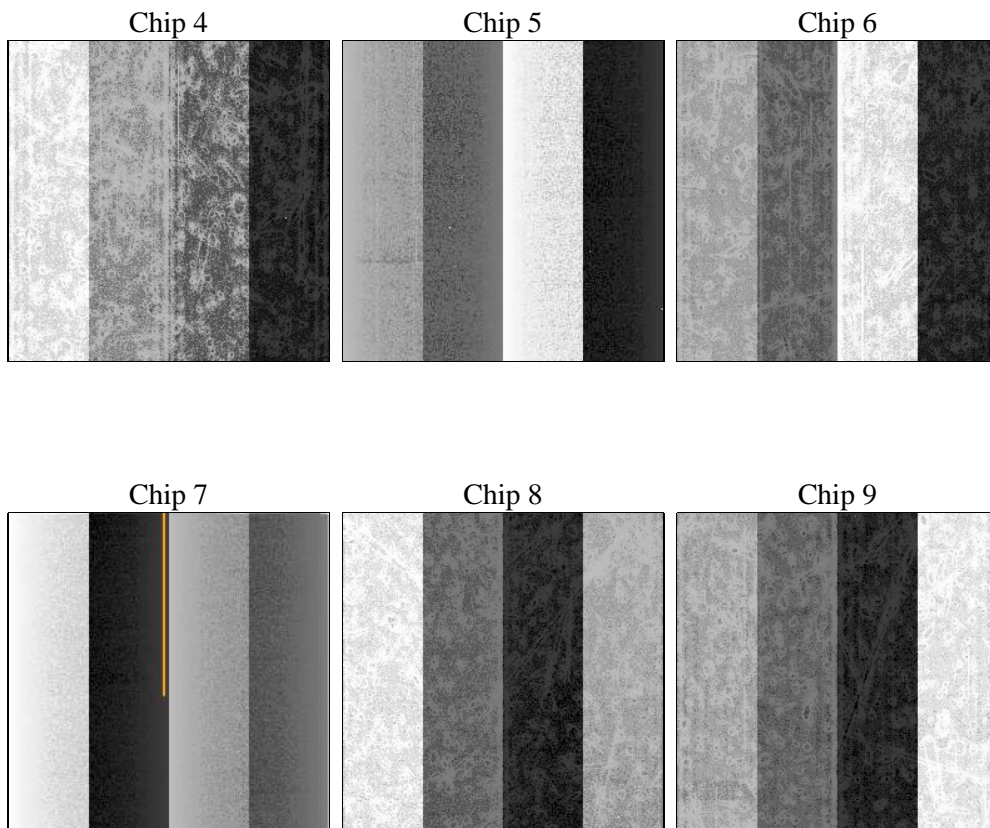
2 OBI

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	10.2.1	Processing system revision	ontime	8079.7864158154	Sum of GTIs [s]
caldsver	4.6.1	 	ontime4	8079.6632958055	Sum of GTIs [s]
date	2014-04-14T15:13:40	Date and time of file creation	ontime5	8079.7453758121	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8079.7043358088	Sum of GTIs [s]
			ontime7	8079.7864158154	Sum of GTIs [s]
			ontime8	8079.6222558022	Sum of GTIs [s]
			ontime9	8079.8274558187	Sum of GTIs [s]
			l1events	867207	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	147035	132586	140427	116339	150141	180679	grade 0 events	16451	12263	12782	6631	15876	23260
rejected events	118662	72153	113879	67239	115426	144605		11%	9%	9%	5%	10%	12%
rejected %	80%	54%	81%	57%	76%	80%	grade 1 events	105	268	45	66	74	9942
								0%	0%	0%	0%	0%	5%
							grade 2 events	5262	20213	6073	12539	7627	5446
								3%	15%	4%	10%	5%	3%
							grade 3 events	1870	2030	1768	3819	2677	1763
								1%	1%	1%	3%	1%	0%
							grade 4 events	1882	1754	1667	3804	2597	1884
								1%	1%	1%	3%	1%	1%
							grade 5 events	2957	5611	2944	6796	3831	3326
								2%	4%	2%	5%	2%	1%
							grade 6 events	3633	25693	4899	23513	6817	4611
								2%	19%	3%	20%	4%	2%
							grade 7 events	114875	64754	110249	59171	110642	130447
								78%	48%	78%	50%	73%	72%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	198.613516888744
[deg] Pointing Dec	0	14.97796189503312
[deg] Pointing Roll	0.0	188.3141720523078
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	513833656.084647	513833656.084647
Observation start date	2014-04-14T03:34:16	2014-04-14T03:34:16
[s] Observation end time (MET)	513843206.024704	513843206.024704
Observation end date	2014-04-14T06:13:26	2014-04-14T06:13:26
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2014.04.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0797864158154

A.2 Comments