

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 52427 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Oct 1 2014

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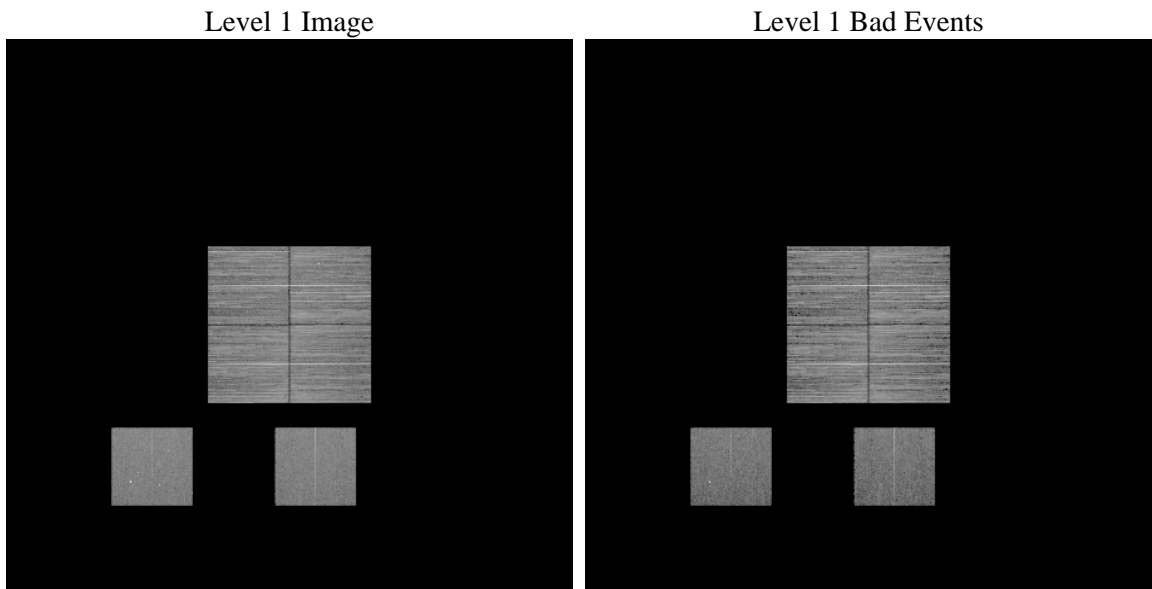
1 Front

seq_num	 	Sequence number
obs_id	52427	Observation id
title	ACIS-012357 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	5.0272571724939	Nominal RA [deg]
dec_nom	-21.986120859945	Nominal Dec [deg]
roll_nom	355.98688271673	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8188.7999695539	Sum of GTIs [s]
livetime	8085.1084536361	Livetime [s]
ontime0	8085.0868641734	Sum of GTIs [s]
ontime1	8081.8458432555	Sum of GTIs [s]
ontime2	8075.363743782	Sum of GTIs [s]
ontime3	8081.8458435535	Sum of GTIs [s]
ontime5	8188.7999695539	Sum of GTIs [s]
ontime7	8188.7999695539	Sum of GTIs [s]
l2events	190759	Number of level 2 events

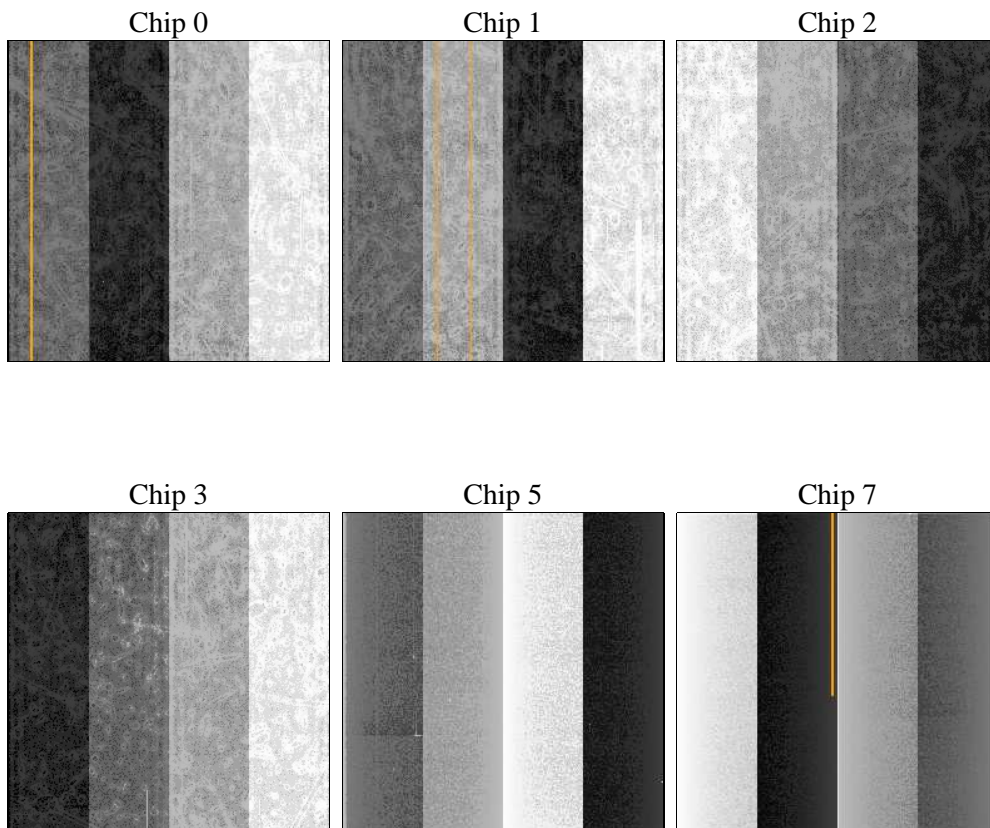
2 OBI

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	10.2.4	Processing system revision	ontime	8188.7999695539	Sum of GTIs [s]
caldbver	4.6.3	 	ontime0	8085.0868641734	Sum of GTIs [s]
date	2014-10-01T14:29:57	Date and time of file creation	ontime1	8081.8458432555	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8075.363743782	Sum of GTIs [s]
			ontime3	8081.8458435535	Sum of GTIs [s]
			ontime5	8188.7999695539	Sum of GTIs [s]
			ontime7	8188.7999695539	Sum of GTIs [s]
			l1events	815474	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	134252	147462	149020	140087	126745	117908	grade 0 events	12234	12185	12590	12632	5773	6738
rejected events	109916	122617	124701	115747	72611	67325		9%	8%	8%	9%	4%	5%
rejected %	81%	83%	83%	82%	57%	57%	grade 1 events	65	61	75	81	133	70
								0%	0%	0%	0%	0%	0%
							grade 2 events	5128	5287	4815	4587	19821	12610
								3%	3%	3%	3%	15%	10%
							grade 3 events	1711	1719	1731	1749	1799	4160
								1%	1%	1%	1%	1%	3%
							grade 4 events	1710	1687	1694	1808	1828	4014
								1%	1%	1%	1%	1%	3%
							grade 5 events	2837	2757	2725	3061	6328	7468
								2%	1%	1%	2%	4%	6%
							grade 6 events	3854	4281	3802	3853	25547	23677
								2%	2%	2%	2%	20%	20%
							grade 7 events	106713	119485	121588	112316	65516	59171
								79%	81%	81%	80%	51%	50%

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	5.027257172493921	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-21.98612085994513	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	355.9868827167297	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	528495181.046284	528495180.02128			
Observation start date	2014-09-30T20:13:01	2014-09-30T20:13:00			
[s] Observation end time (MET)	528505180.94684	528505179.92184			
Observation end date	2014-09-30T22:59:41	2014-09-30T22:59:39			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2014.10.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1887999695539

A.2 Comments