

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53967 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 7 2013

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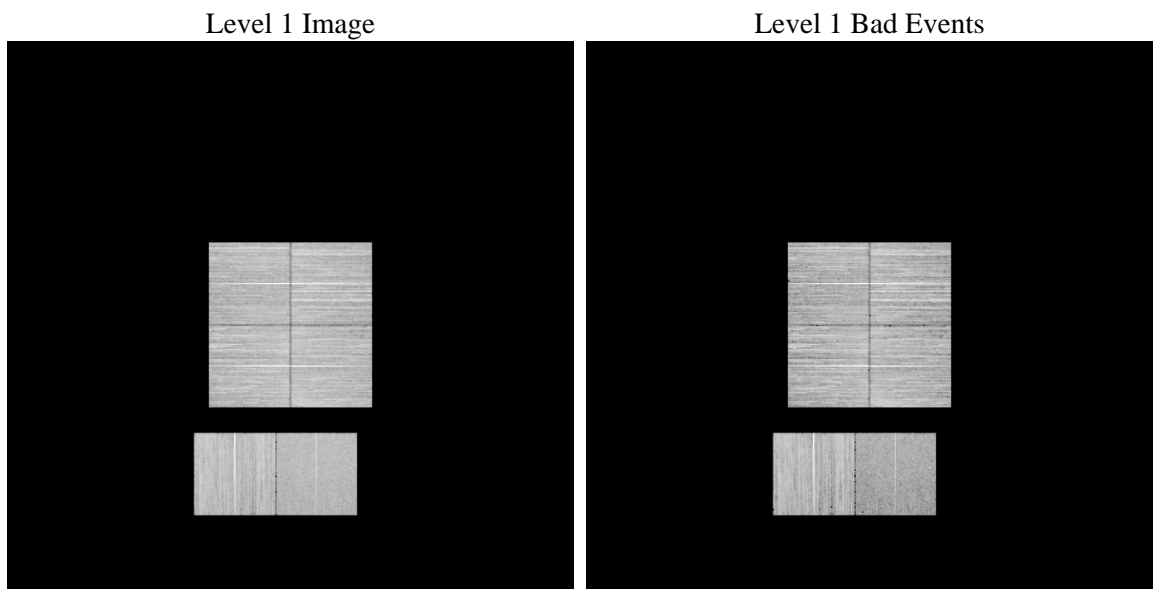
1 Front

seq_num	 	Sequence number
obs_id	53967	Observation id
title	ACIS-012367 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	236.63818991309	Nominal RA [deg]
dec_nom	5.9290475958669	Nominal Dec [deg]
roll_nom	86.921265265211	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8117.7403572798	Sum of GTIs [s]
livetime	8014.9486409595	Livetime [s]
ontime0	8117.6993172765	Sum of GTIs [s]
ontime1	8117.6582772732	Sum of GTIs [s]
ontime2	8117.6172372699	Sum of GTIs [s]
ontime3	8117.7813972831	Sum of GTIs [s]
ontime6	8117.5761972666	Sum of GTIs [s]
ontime7	8117.7403572798	Sum of GTIs [s]
l2events	222309	Number of level 2 events

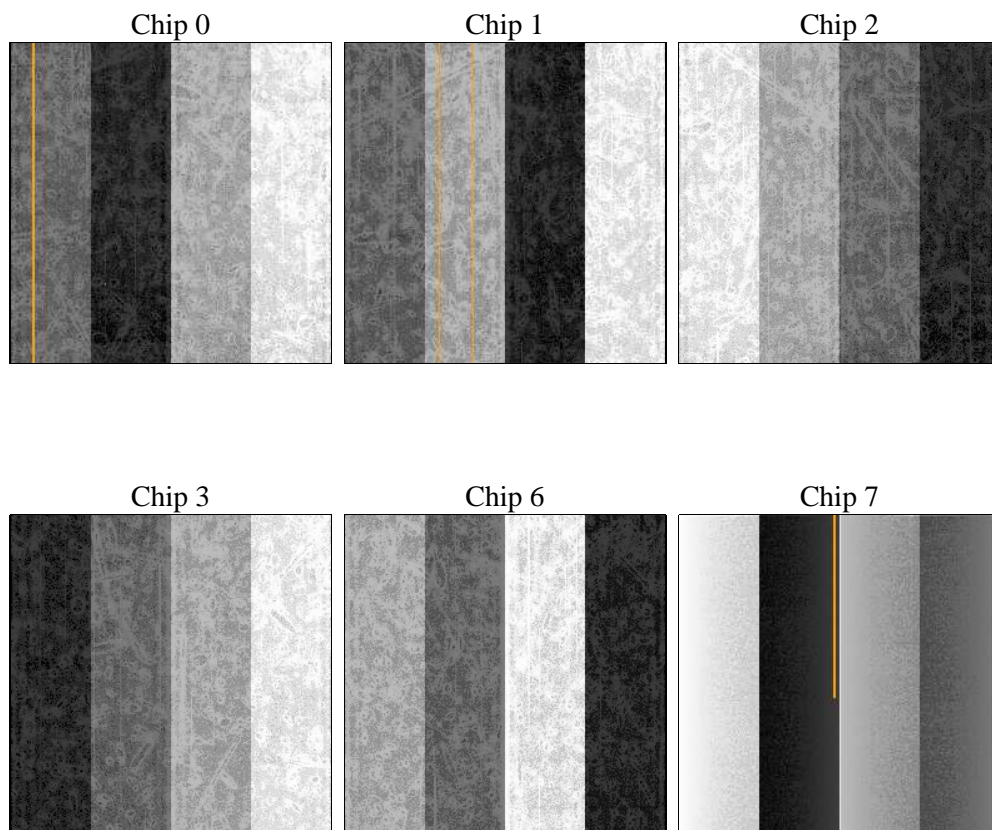
2 OBI

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	8117.7403572798	Sum of GTIs [s]
caldsver	4.5.5	 	ontime0	8117.6993172765	Sum of GTIs [s]
date	2013-02-07T20:18:22	Date and time of file creation	ontime1	8117.6582772732	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8117.6172372699	Sum of GTIs [s]
			ontime3	8117.7813972831	Sum of GTIs [s]
			ontime6	8117.5761972666	Sum of GTIs [s]
			ontime7	8117.7403572798	Sum of GTIs [s]
			l1events	981360	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	158406	171466	171005	169945	173491	137047	grade 0 events	17727	17426	18152	18338	18140	9517
rejected events	124141	137254	136753	135712	137714	73961		11%	10%	10%	10%	10%	6%
rejected %	78%	80%	79%	79%	79%	53%	grade 1 events	99	99	114	126	101	101
								0%	0%	0%	0%	0%	0%
							grade 2 events	6958	7155	6810	6472	7319	15690
								4%	4%	3%	3%	4%	11%
							grade 3 events	2491	2337	2502	2423	2436	5590
								1%	1%	1%	1%	1%	4%
							grade 4 events	2383	2317	2438	2416	2401	5431
								1%	1%	1%	1%	1%	3%
							grade 5 events	3157	3150	3005	3420	3357	8401
								1%	1%	1%	2%	1%	6%
							grade 6 events	5430	5721	5144	5231	6203	28173
								3%	3%	3%	3%	3%	20%
							grade 7 events	120161	133261	132840	131519	133534	64144
								75%	77%	77%	77%	76%	46%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	236.6381899130935
[deg] Pointing Dec	0	5.929047595866855
[deg] Pointing Roll	0.0	86.92126526521142
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)	476590428.701648	476590428.701648
Observation start date	2013-02-07T02:13:49	2013-02-07T02:13:48
[s] Observation end time (MET)	476599975.822434	476599975.822434
Observation end date	2013-02-07T04:52:56	2013-02-07T04:52:55
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.02.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1177403572798

A.2 Comments