

# V&V Reference Report

## L2 ASCDS Version : 10.1

Observation 53302 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Oct 14 2013

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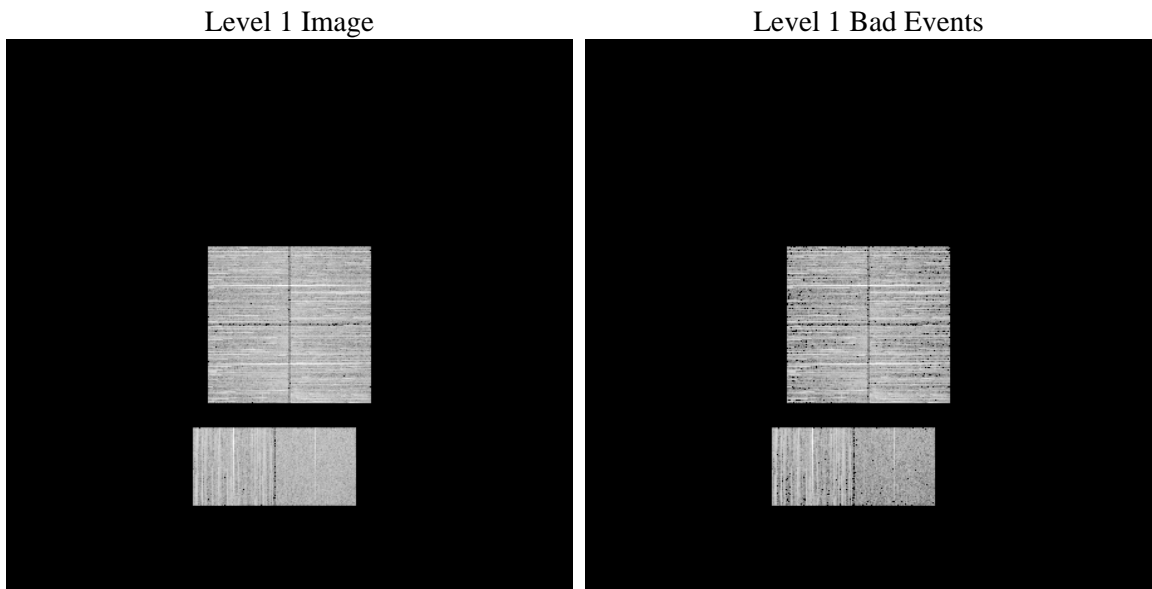
# 1 Front

seq_num	&#160	Sequence number
obs_id	53302	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtycycle	0	&#160
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	36.969108625714	Nominal RA [deg]
dec_nom	26.006798298805	Nominal Dec [deg]
roll_nom	133.34177108235	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4143.999984622	Sum of GTIs [s]
livetime	4091.5261615995	Livetime [s]
ontime0	4143.999984622	Sum of GTIs [s]
ontime1	4143.999984622	Sum of GTIs [s]
ontime2	4143.999984622	Sum of GTIs [s]
ontime3	4143.999984622	Sum of GTIs [s]
ontime6	4143.999984622	Sum of GTIs [s]
ontime7	4143.999984622	Sum of GTIs [s]
l2events	97439	Number of level 2 events

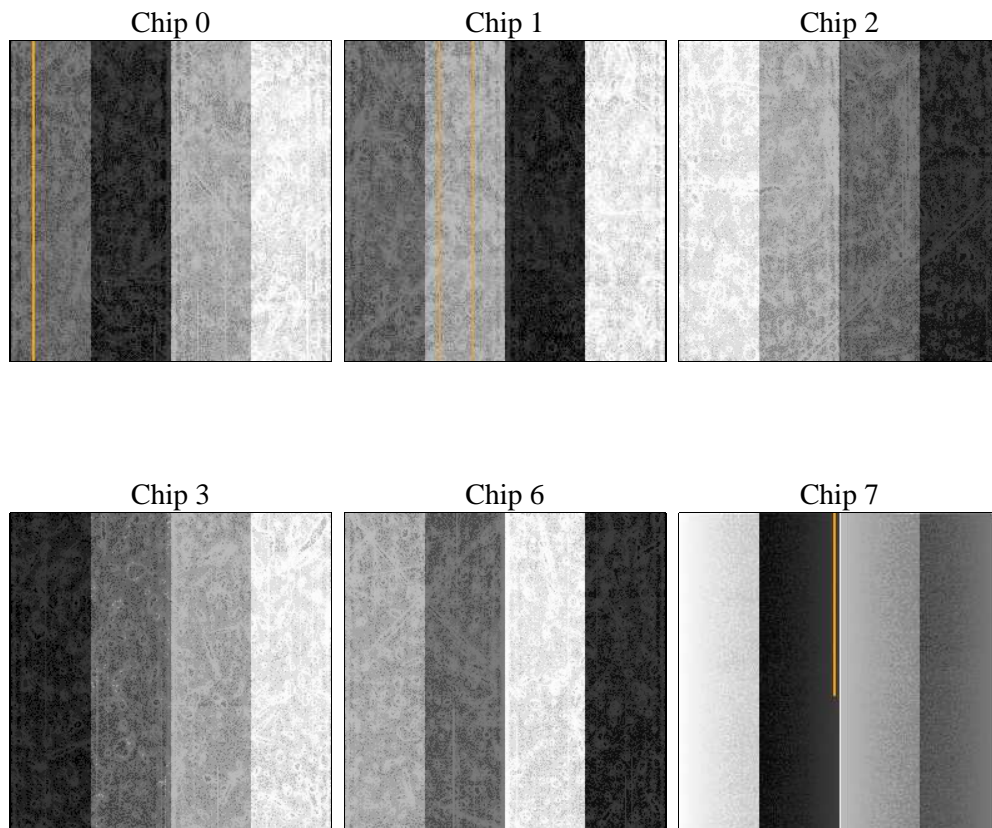
## 2 OBI

### 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	10.1	Processing system revision	ontime	4143.999984622	Sum of GTIs [s]
caldbver	4.5.8	&#160	ontime0	4143.999984622	Sum of GTIs [s]
date	2013-10-14T12:25:13	Date and time of file creation	ontime1	4143.999984622	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	4143.999984622	Sum of GTIs [s]
			ontime3	4143.999984622	Sum of GTIs [s]
			ontime6	4143.999984622	Sum of GTIs [s]
			ontime7	4143.999984622	Sum of GTIs [s]
			l1events	418234	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	67748	70460	72980	74329	71596	61121	grade 0 events	7529	7396	7708	7747	7736	3999
rejected events	52932	55338	58154	59475	55846	33136		11%	10%	10%	10%	10%	6%
rejected %	78%	78%	79%	80%	78%	54%	grade 1 events	45	40	65	57	36	45
								0%	0%	0%	0%	0%	0%
							grade 2 events	2957	3117	2809	2776	3172	6823
								4%	4%	3%	3%	4%	11%
							grade 3 events	1025	969	1029	1029	1001	2339
								1%	1%	1%	1%	1%	3%
							grade 4 events	939	1103	1022	1083	1063	2223
								1%	1%	1%	1%	1%	3%
							grade 5 events	1407	1460	1336	1536	1554	3662
								2%	2%	1%	2%	2%	5%
							grade 6 events	2374	2545	2272	2237	2790	12624
								3%	3%	3%	3%	3%	20%
							grade 7 events	51472	53830	56739	57864	54244	29406
								75%	76%	77%	77%	75%	48%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	36.96910862571414	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	26.00679829880485	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	133.3417710823456	[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)	498097344.769943	498097343.74494			
Observation start date	2013-10-14T00:22:25	2013-10-14T00:22:23			
[s] Observation end time (MET)	498105708.770401	498105707.7454			
Observation end date	2013-10-14T02:41:49	2013-10-14T02:41:47			
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)	2013.10.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.143999984622

## A.2 Comments