

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 54234 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Oct 20 2012

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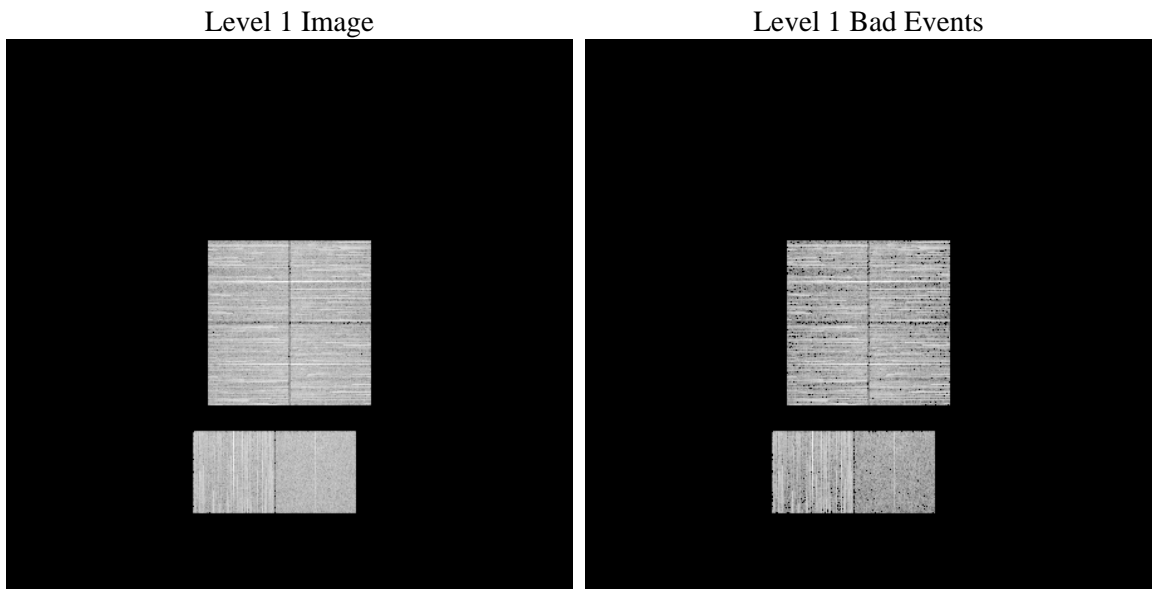
# 1 Front

seq_num	&#160	Sequence number
obs_id	54234	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtcycle	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	24.989558582151	Nominal RA [deg]
dec_nom	28.090156344012	Nominal Dec [deg]
roll_nom	176.86374245848	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3590.3999866843	Sum of GTIs [s]
livetime	3544.9361801736	Livetime [s]
ontime0	3590.3999866843	Sum of GTIs [s]
ontime1	3590.3999866843	Sum of GTIs [s]
ontime2	3590.3999866843	Sum of GTIs [s]
ontime3	3590.3999866843	Sum of GTIs [s]
ontime6	3590.3999866843	Sum of GTIs [s]
ontime7	3590.3999866843	Sum of GTIs [s]
l2events	146288	Number of level 2 events

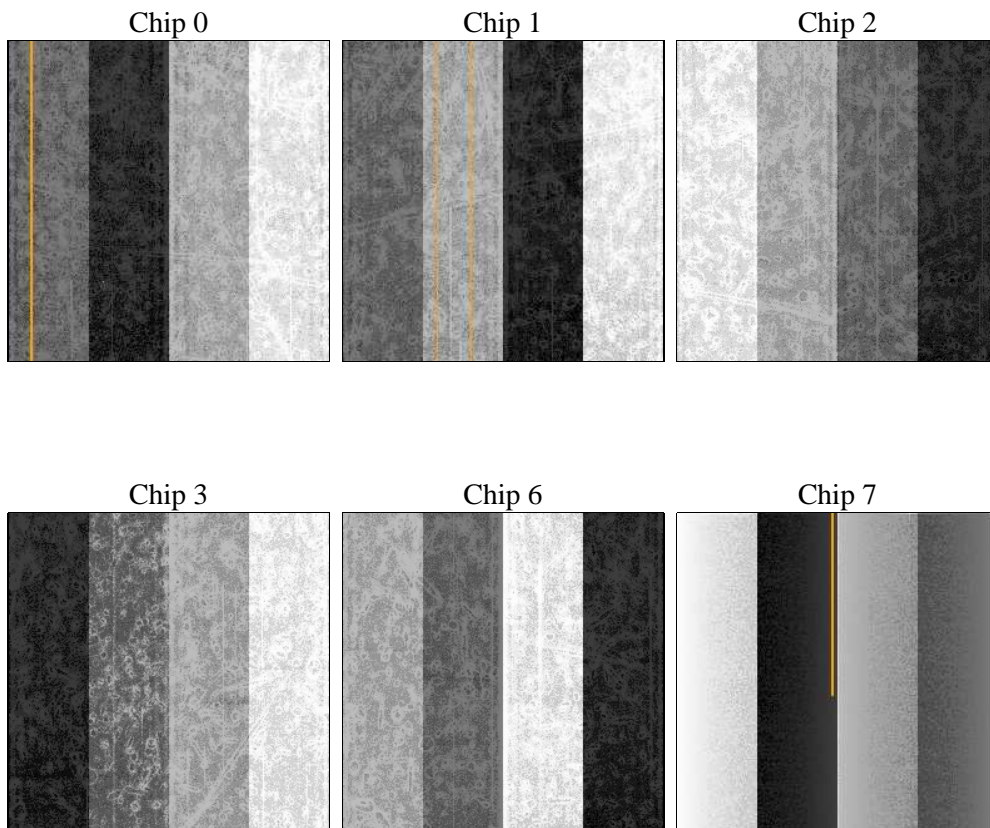
## 2 OBI

### 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	8.4.5	Processing system revision	ontime	3590.3999866843	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime0	3590.3999866843	Sum of GTIs [s]
date	2012-10-20T05:31:38	Date and time of file creation	ontime1	3590.3999866843	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3590.3999866843	Sum of GTIs [s]
			ontime3	3590.3999866843	Sum of GTIs [s]
			ontime6	3590.3999866843	Sum of GTIs [s]
			ontime7	3590.3999866843	Sum of GTIs [s]
			l1events	456641	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	73727	79575	79126	77317	81021	65875	grade 0 events	11419	11090	11936	12109	12082	6392
rejected events	50737	56026	55633	53510	55730	30421		15%	13%	15%	15%	14%	9%
rejected %	68%	70%	70%	69%	68%	46%	grade 1 events	62	49	71	65	55	47
								0%	0%	0%	0%	0%	0%
							grade 2 events	4502	5023	4391	4336	5059	8875
								6%	6%	5%	5%	6%	13%
							grade 3 events	1529	1429	1571	1539	1596	2767
								2%	1%	1%	1%	1%	4%
							grade 4 events	1423	1432	1593	1590	1490	2795
								1%	1%	2%	2%	1%	4%
							grade 5 events	1353	1320	1244	1462	1392	3465
								1%	1%	1%	1%	1%	5%
							grade 6 events	4117	4575	4002	4233	5064	14625
								5%	5%	5%	5%	6%	22%
							grade 7 events	49322	54657	54318	51983	54283	26909
								66%	68%	68%	67%	66%	40%

## 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	24.98955858215055	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	28.09015634401201	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	176.8637424584808	[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)	466994402.785026	466994401.76003			
Observation start date	2012-10-19T00:40:03	2012-10-19T00:40:01			
[s] Observation end time (MET)	467005659.335631	467005658.31063			
Observation end date	2012-10-19T03:47:39	2012-10-19T03:47:38			
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)	2012.10.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.5903999866843

### A.2 Comments