

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 54342 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Sep 11 2012

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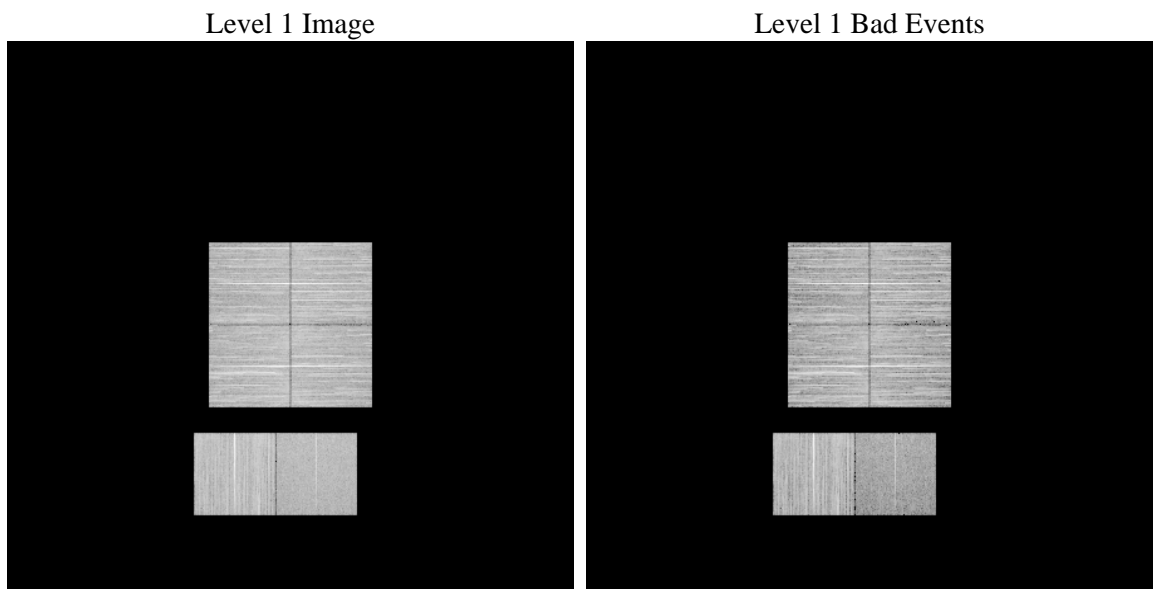
# 1 Front

seq_num	&#160	Sequence number
obs_id	54342	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	329.99346895706	Nominal RA [deg]
dec_nom	13.971988516619	Nominal Dec [deg]
roll_nom	224.16744677092	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8290.461623311	Sum of GTIs [s]
livetime	8185.48280632	Livetime [s]
ontime0	8290.4205833077	Sum of GTIs [s]
ontime1	8290.3795433044	Sum of GTIs [s]
ontime2	8290.3385033011	Sum of GTIs [s]
ontime3	8290.5026633143	Sum of GTIs [s]
ontime6	8290.2974632978	Sum of GTIs [s]
ontime7	8290.461623311	Sum of GTIs [s]
l2events	280621	Number of level 2 events

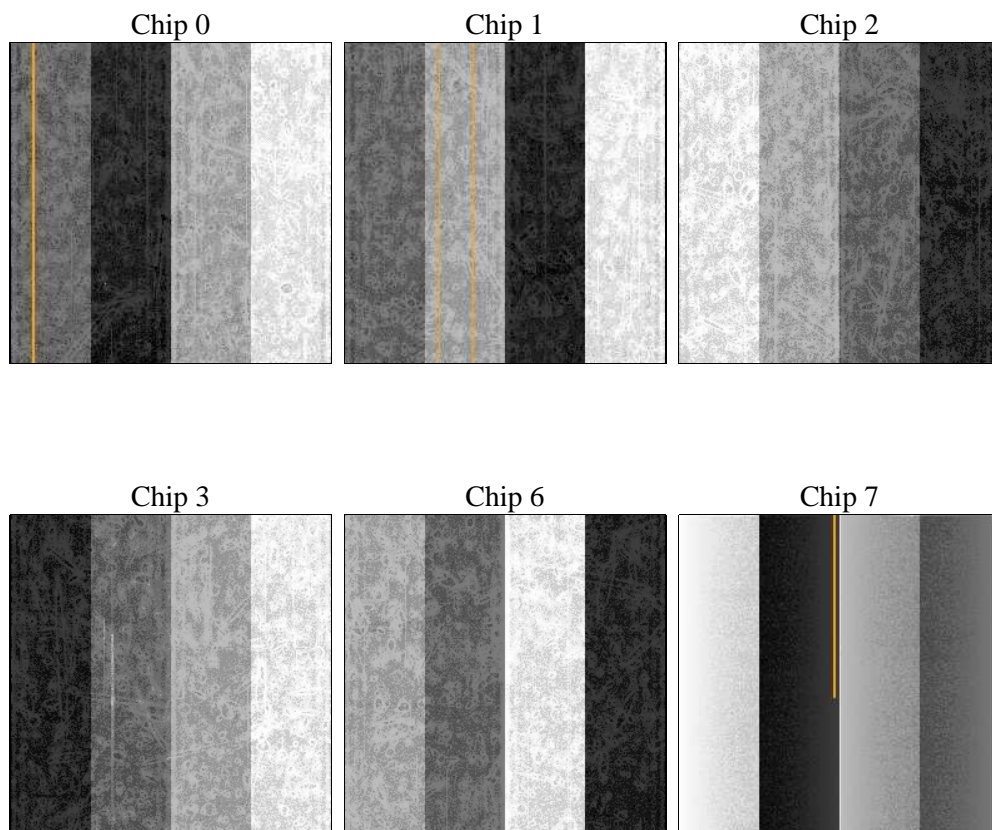
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8290.461623311	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime0	8290.4205833077	Sum of GTIs [s]
date	2012-09-11T05:40:37	Date and time of file creation	ontime1	8290.3795433044	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8290.3385033011	Sum of GTIs [s]
			ontime3	8290.5026633143	Sum of GTIs [s]
			ontime6	8290.2974632978	Sum of GTIs [s]
			ontime7	8290.461623311	Sum of GTIs [s]
			l1events	1002694	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	162364	172982	177507	165667	182881	141293	grade 0 events	22553	21802	23575	23391	23142	11715
rejected events	118015	128120	132919	120812	136037	70068		13%	12%	13%	14%	12%	8%
rejected %	72%	74%	74%	72%	74%	49%	grade 1 events	105	113	132	134	125	105
								0%	0%	0%	0%	0%	0%
							grade 2 events	8632	9306	8227	8296	9093	17457
								5%	5%	4%	5%	4%	12%
							grade 3 events	3015	2953	2990	2958	2976	5920
								1%	1%	1%	1%	1%	4%
							grade 4 events	2842	2946	2888	3060	2919	5845
								1%	1%	1%	1%	1%	4%
							grade 5 events	3081	3033	2886	3488	3254	8120
								1%	1%	1%	2%	1%	5%
							grade 6 events	7307	7855	6908	7150	8714	30288
								4%	4%	3%	4%	4%	21%
							grade 7 events	114829	124974	129901	117190	132658	61843
								70%	72%	73%	70%	72%	43%

## 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	329.9934689570566	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	13.97198851661926	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	224.1674467709195	[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)	463564219.601023	463564218.57602			
Observation start date	2012-09-09T07:50:20	2012-09-09T07:50:18			
[s] Observation end time (MET)	463573629.101527	463573628.07653			
Observation end date	2012-09-09T10:27:09	2012-09-09T10:27:08			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.09.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.290461623311

### A.2 Comments