

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 54871 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Feb 8 2012

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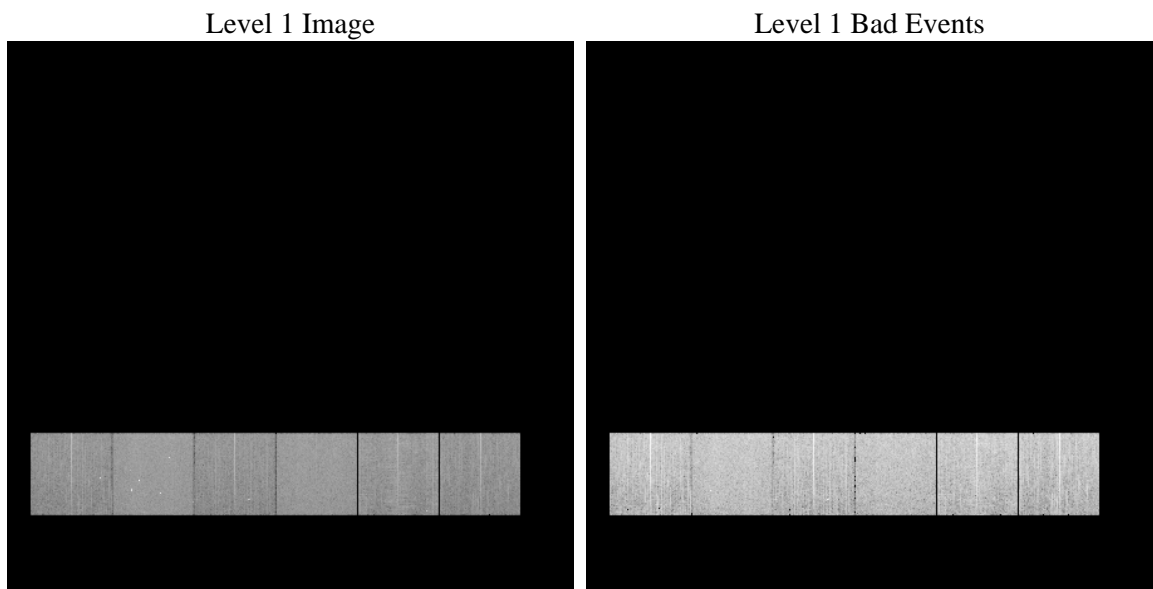
# 1 Front

seq_num	&#160	Sequence number
obs_id	54871	Observation id
title	ACIS-456789 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	338.87310148056	Nominal RA [deg]
dec_nom	23.299276044391	Nominal Dec [deg]
roll_nom	125.54961898286	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8196.9042975903	Sum of GTIs [s]
livetime	8093.110159791	Livetime [s]
ontime4	8196.7811775804	Sum of GTIs [s]
ontime5	8196.863257587	Sum of GTIs [s]
ontime6	8196.8222175837	Sum of GTIs [s]
ontime7	8196.9042975903	Sum of GTIs [s]
ontime8	8196.7401375771	Sum of GTIs [s]
ontime9	8196.9453375936	Sum of GTIs [s]
l2events	300773	Number of level 2 events

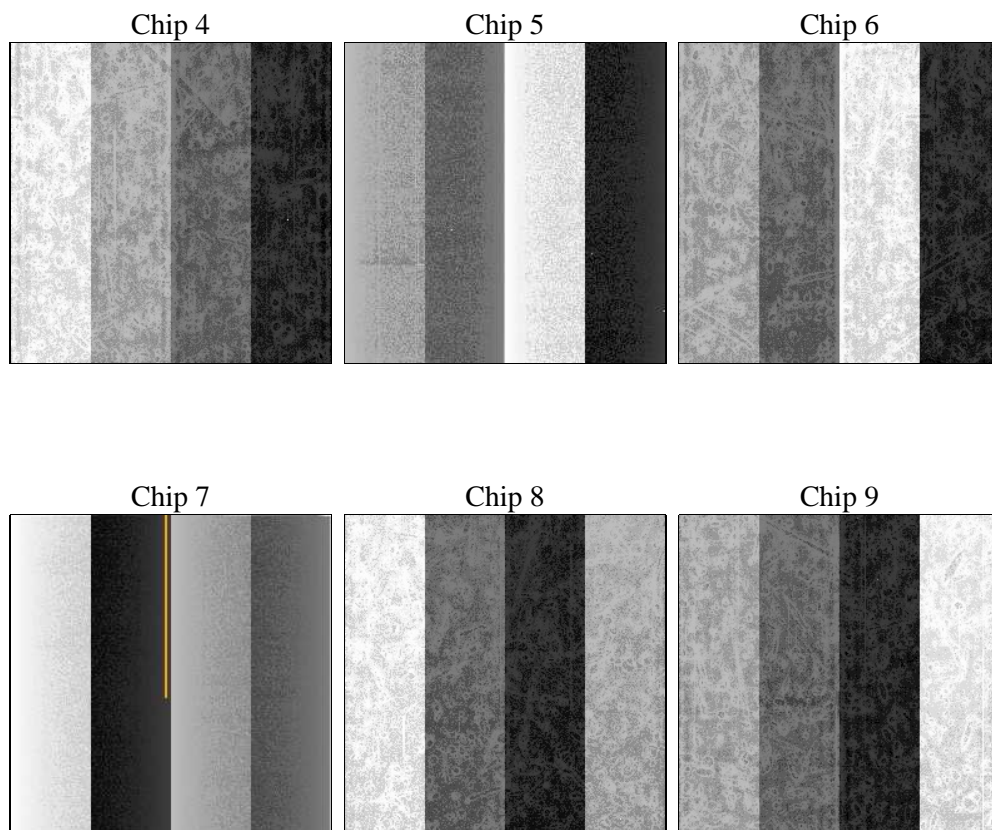
## 2 OBI

### 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	8.4.3	Processing system revision	ontime	8196.9042975903	Sum of GTIs [s]
caldsver	4.4.7	&#160	ontime4	8196.7811775804	Sum of GTIs [s]
date	2012-02-09T02:39:48	Date and time of file creation	ontime5	8196.863257587	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8196.8222175837	Sum of GTIs [s]
			ontime7	8196.9042975903	Sum of GTIs [s]
			ontime8	8196.7401375771	Sum of GTIs [s]
			ontime9	8196.9453375936	Sum of GTIs [s]
			l1events	697280	Number of level 1 events

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	103865	137654	102435	129856	120297	103173	grade 0 events	23914	10781	23018	11711	26209	22483
rejected events	61834	61054	57970	58720	65198	60460		23%	7%	22%	9%	21%	21%
rejected %	59%	44%	56%	45%	54%	58%	grade 1 events	220	221	112	81	140	147
								0%	0%	0%	0%	0%	0%
							grade 2 events	6918	26923	8471	15499	10719	7786
								6%	19%	8%	11%	8%	7%
							grade 3 events	2954	2937	2898	6386	4154	3014
								2%	2%	2%	4%	3%	2%
							grade 4 events	3012	2810	2978	6358	4119	2947
								2%	2%	2%	4%	3%	2%
							grade 5 events	3487	7475	3683	8988	4839	4007
								3%	5%	3%	6%	4%	3%
							grade 6 events	5654	33935	7594	31914	10464	6946
								5%	24%	7%	24%	8%	6%
							grade 7 events	57706	52572	53681	48919	59653	55843
								55%	38%	52%	37%	49%	54%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	338.8731014805576
[deg] Pointing Dec	0	23.29927604439052
[deg] Pointing Roll	0.0	125.5496189828587
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)	445057342.39498	445057342.39498
Observation start date	2012-02-08T03:02:22	2012-02-08T03:02:22
[s] Observation end time (MET)	445066890.343705	445066890.343705
Observation end date	2012-02-08T05:41:30	2012-02-08T05:41:30
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	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.02.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1969042975903

### A.2 Comments