

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57327 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 1 2012

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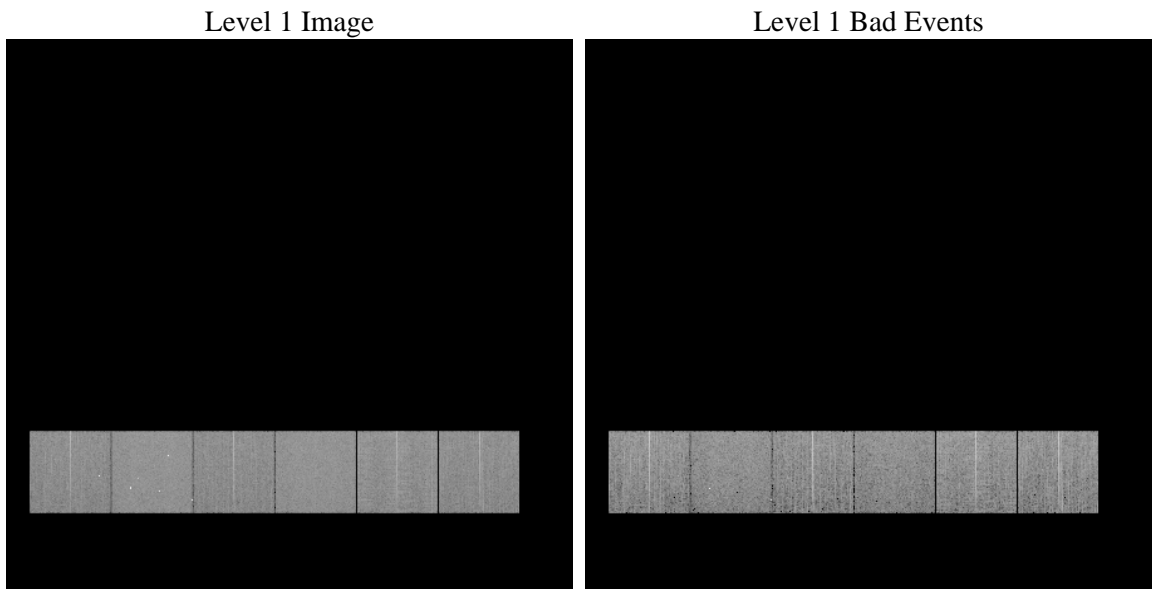
# 1 Front

seq_num	&#160	Sequence number
obs_id	57327	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	139.96857010129	Nominal RA [deg]
dec_nom	30.490282080579	Nominal Dec [deg]
roll_nom	166.76416918008	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5548.7999793887	Sum of GTIs [s]
livetime	5478.5377329635	Livetime [s]
ontime4	5548.7999793887	Sum of GTIs [s]
ontime5	5548.7999793887	Sum of GTIs [s]
ontime6	5548.7999793887	Sum of GTIs [s]
ontime7	5548.7999793887	Sum of GTIs [s]
ontime8	5548.7999793887	Sum of GTIs [s]
ontime9	5548.7999793887	Sum of GTIs [s]
l2events	372963	Number of level 2 events

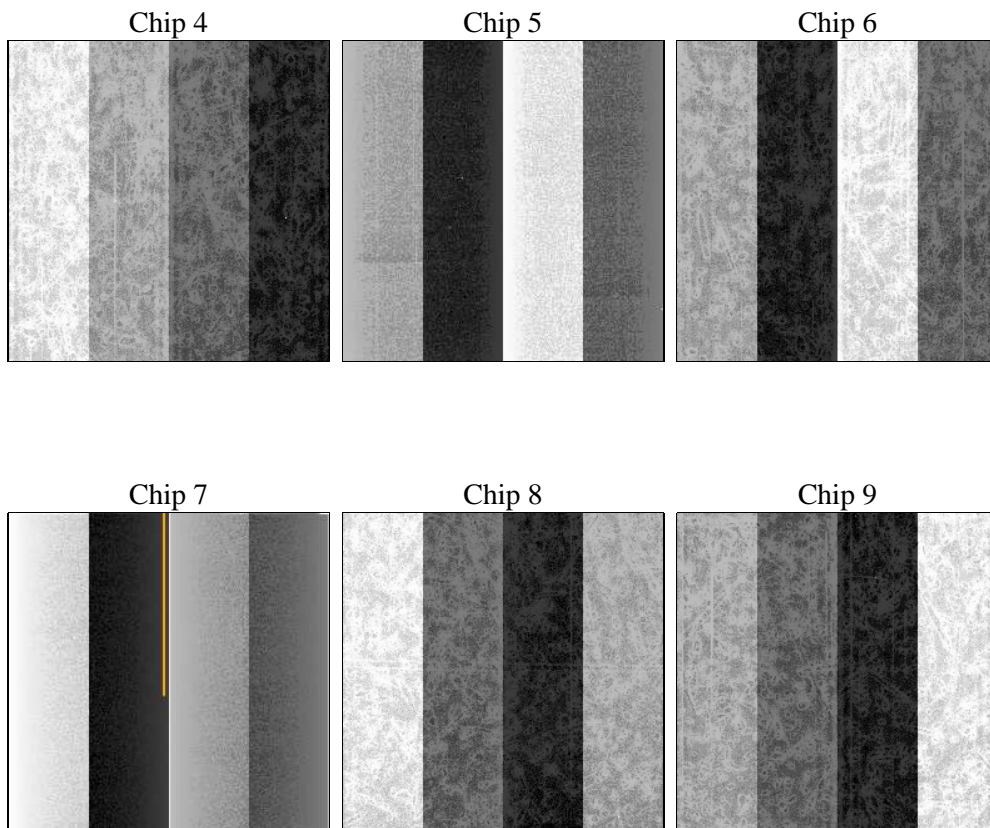
## 2 OBI

### 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	8.4.4	Processing system revision	ontime	5548.7999793887	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	5548.7999793887	Sum of GTIs [s]
date	2012-06-01T09:48:03	Date and time of file creation	ontime5	5548.7999793887	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	5548.7999793887	Sum of GTIs [s]
			ontime7	5548.7999793887	Sum of GTIs [s]
			ontime8	5548.7999793887	Sum of GTIs [s]
			ontime9	5548.7999793887	Sum of GTIs [s]
			l1events	725469	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	111761	135967	109262	129098	126470	112911	grade 0 events	32719	14333	30493	15485	33983	30708
rejected events	54889	50917	51062	46629	57921	55552		29%	10%	27%	11%	26%	27%
rejected %	49%	37%	46%	36%	45%	49%	grade 1 events	308	298	173	107	207	244
								0%	0%	0%	0%	0%	0%
							grade 2 events	8992	29717	10427	17955	12743	10039
								8%	21%	9%	13%	10%	8%
							grade 3 events	3869	4067	3872	7797	5045	3893
								3%	2%	3%	6%	3%	3%
							grade 4 events	3896	3999	3790	7612	4841	3828
								3%	2%	3%	5%	3%	3%
							grade 5 events	2901	7101	3021	7604	3840	3260
								2%	5%	2%	5%	3%	2%
							grade 6 events	7429	32981	9643	33684	11974	8924
								6%	24%	8%	26%	9%	7%
							grade 7 events	51647	43471	47843	38854	53837	52015
								46%	31%	43%	30%	42%	46%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	139.9685701012925	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	30.490282080579	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	166.7641691800766	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.7809083437167272			
[mm] SIM defocus	0.1037507710433287	0.7524282956875696			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	350002767.963618	350002766.93862			
Observation start date	2009-02-02T22:59:28	2009-02-02T22:59:26			
[s] Observation end time (MET)	350023229.014633	350023227.98963			
Observation end date	2009-02-03T04:40:29	2009-02-03T04:40:27			
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)	2012.06.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.5487999793887

### A.2 Comments