

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55289 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 18 2012

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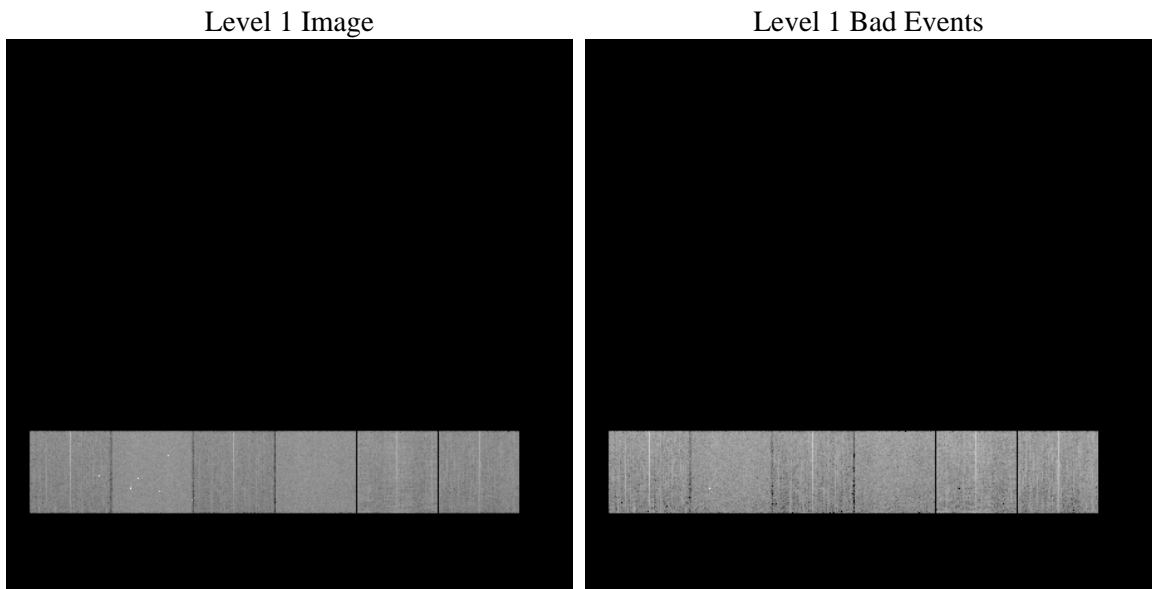
# 1 Front

seq_num	&#160	Sequence number
obs_id	55289	Observation id
title	ACIS-456789 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	33.974201562984	Nominal RA [deg]
dec_nom	-23.983123179495	Nominal Dec [deg]
roll_nom	111.18431861987	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8283.9104692936	Sum of GTIs [s]
livetime	8179.0146069594	Livetime [s]
ontime4	8283.7873492837	Sum of GTIs [s]
ontime5	8283.8694292903	Sum of GTIs [s]
ontime6	8283.828389287	Sum of GTIs [s]
ontime7	8283.9104692936	Sum of GTIs [s]
ontime8	8283.7463092804	Sum of GTIs [s]
ontime9	8283.9515092969	Sum of GTIs [s]
l2events	336599	Number of level 2 events

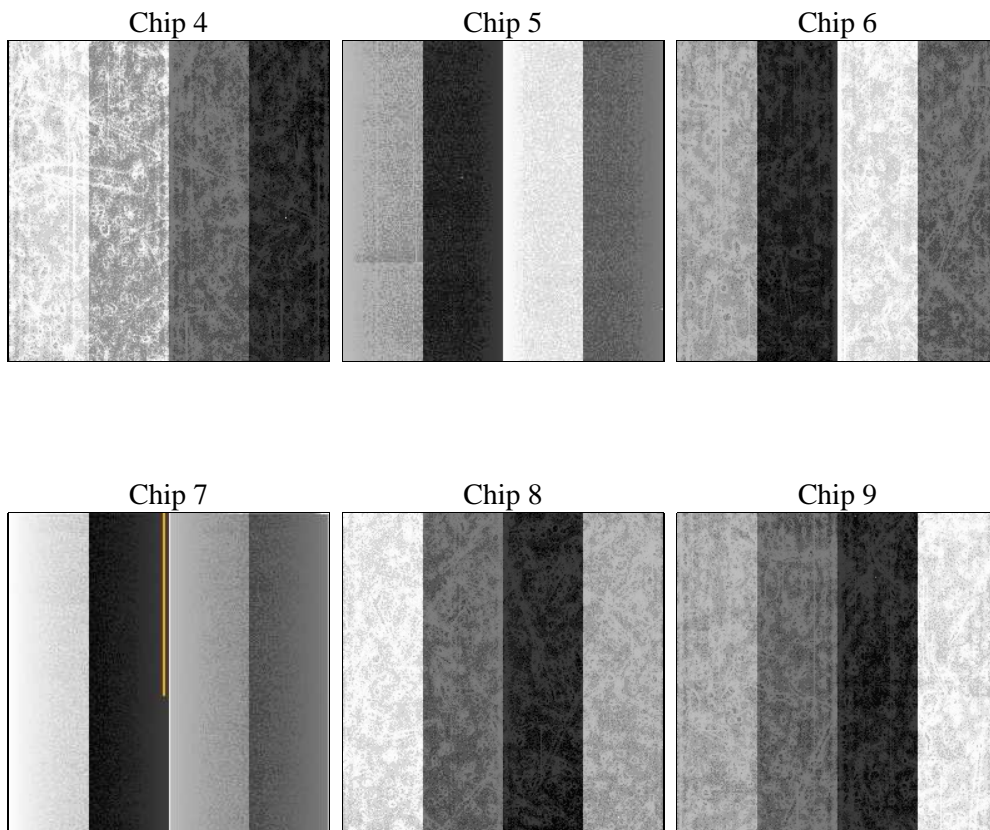
## 2 OBI

### 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	8283.9104692936	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime4	8283.7873492837	Sum of GTIs [s]
date	2012-02-18T06:27:38	Date and time of file creation	ontime5	8283.8694292903	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8283.828389287	Sum of GTIs [s]
			ontime7	8283.9104692936	Sum of GTIs [s]
			ontime8	8283.7463092804	Sum of GTIs [s]
			ontime9	8283.9515092969	Sum of GTIs [s]
			l1events	725862	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	107366	142843	104377	135281	125450	110545	grade 0 events	28434	12271	25820	13437	29331	25642
rejected events	57525	59868	54346	57454	64155	61253		26%	8%	24%	9%	23%	23%
rejected %	53%	41%	52%	42%	51%	55%	grade 1 events	221	163	154	135	158	161
								0%	0%	0%	0%	0%	0%
							grade 2 events	7877	29490	9023	16569	11789	8911
								7%	20%	8%	12%	9%	8%
							grade 3 events	3509	3385	3283	6881	4596	3330
								3%	2%	3%	5%	3%	3%
							grade 4 events	3474	3348	3260	6826	4482	3352
								3%	2%	3%	5%	3%	3%
							grade 5 events	3414	7863	3587	9078	4642	4076
								3%	5%	3%	6%	3%	3%
							grade 6 events	6547	34481	8645	34114	11097	8057
								6%	24%	8%	25%	8%	7%
							grade 7 events	53890	51842	50605	48241	59355	57016
								50%	36%	48%	35%	47%	51%

## 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	33.97420156298448	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-23.98312317949464	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	111.1843186198656	[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)	427492929.383629	427492928.35864			
Observation start date	2011-07-19T20:02:09	2011-07-19T20:02:08			
[s] Observation end time (MET)	427504165.434215	427504164.40923			
Observation end date	2011-07-19T23:09:25	2011-07-19T23:09:24			
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)	2012.02.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2839104692936

## A.2 Comments