

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57853 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 13 2012

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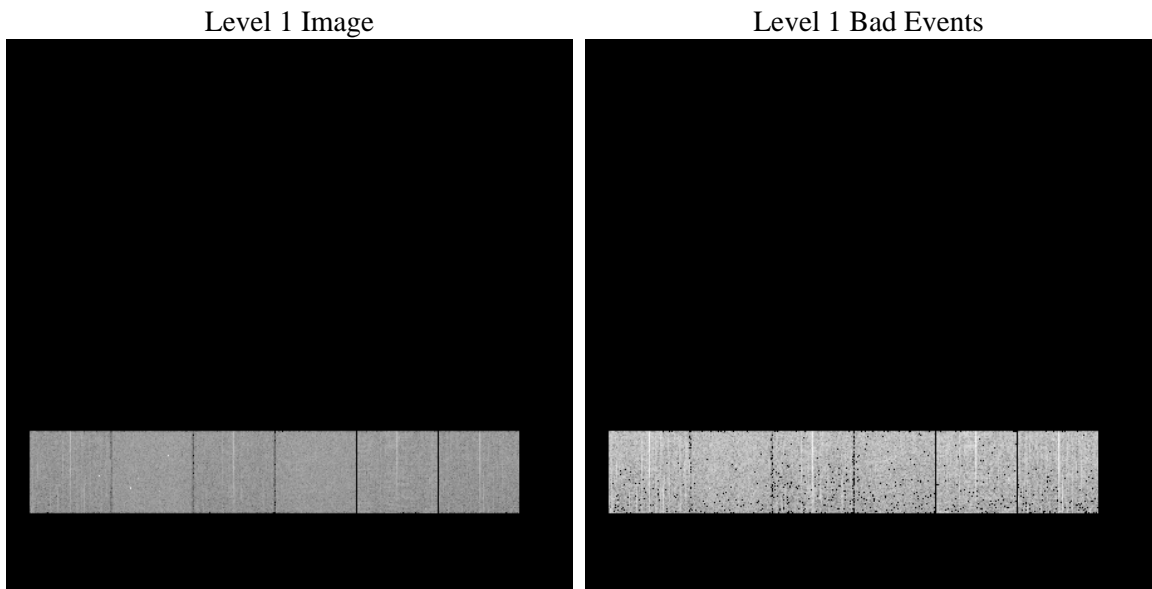
# 1 Front

seq_num	&#160	Sequence number
obs_id	57853	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	333.98082983042	Nominal RA [deg]
dec_nom	8.0214963470608	Nominal Dec [deg]
roll_nom	98.841200077513	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2757.753202796	Sum of GTIs [s]
livetime	2722.8328712226	Livetime [s]
ontime4	2757.6300827861	Sum of GTIs [s]
ontime5	2757.7121627927	Sum of GTIs [s]
ontime6	2757.6711227894	Sum of GTIs [s]
ontime7	2757.753202796	Sum of GTIs [s]
ontime8	2757.5890427828	Sum of GTIs [s]
ontime9	2757.7942427993	Sum of GTIs [s]
l2events	213848	Number of level 2 events

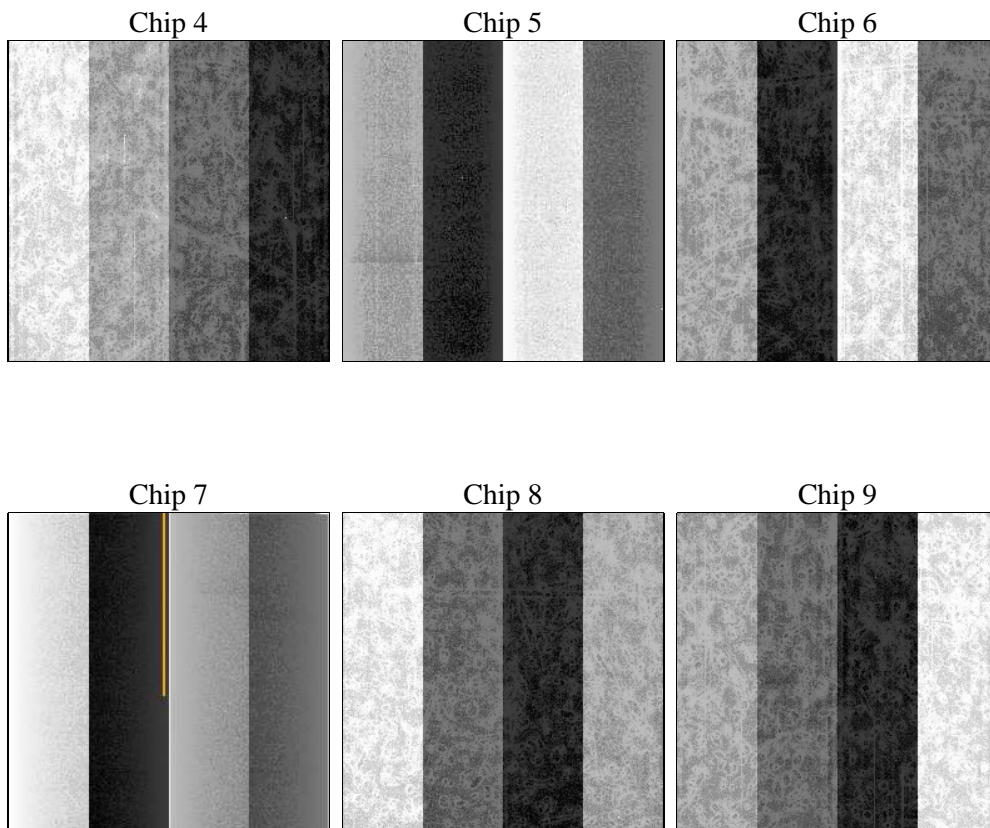
## 2 OBI

### 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	2757.753202796	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	2757.6300827861	Sum of GTIs [s]
date	2012-05-13T12:31:04	Date and time of file creation	ontime5	2757.7121627927	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	2757.6711227894	Sum of GTIs [s]
			ontime7	2757.753202796	Sum of GTIs [s]
			ontime8	2757.5890427828	Sum of GTIs [s]
			ontime9	2757.7942427993	Sum of GTIs [s]
			l1events	380979	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	61086	68260	59060	67312	66303	58958	grade 0 events	19044	7805	18485	9384	19778	17953
rejected events	27762	23305	23898	21714	26949	25451		31%	11%	31%	13%	29%	30%
rejected %	45%	34%	40%	32%	40%	43%	grade 1 events	175	104	123	62	122	136
								0%	0%	0%	0%	0%	0%
							grade 2 events	5299	15688	6181	9950	7131	5770
								8%	22%	10%	14%	10%	9%
							grade 3 events	2219	2304	2315	4340	2884	2242
								3%	3%	3%	6%	4%	3%
							grade 4 events	2355	2269	2318	4363	2782	2209
								3%	3%	3%	6%	4%	3%
							grade 5 events	1353	3287	1426	3692	1806	1560
								2%	4%	2%	5%	2%	2%
							grade 6 events	4407	16889	5863	17561	6779	5333
								7%	24%	9%	26%	10%	9%
							grade 7 events	26234	19914	22349	17960	25021	23755
								42%	29%	37%	26%	37%	40%

## 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	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	333.980829830419	Alternating exposures requested	N	N
[deg] Pointing Dec	0	8.021496347060825	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	98.84120007751281			
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	325100078.830059	325100077.80506			
Observation start date	2008-04-20T17:34:39	2008-04-20T17:34:37			
[s] Observation end time (MET)	325104966.030297	325104965.00529			
Observation end date	2008-04-20T18:56:06	2008-04-20T18:56:05			
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)	2012.05.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.757753202796

### A.2 Comments