

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57987 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 9 2012

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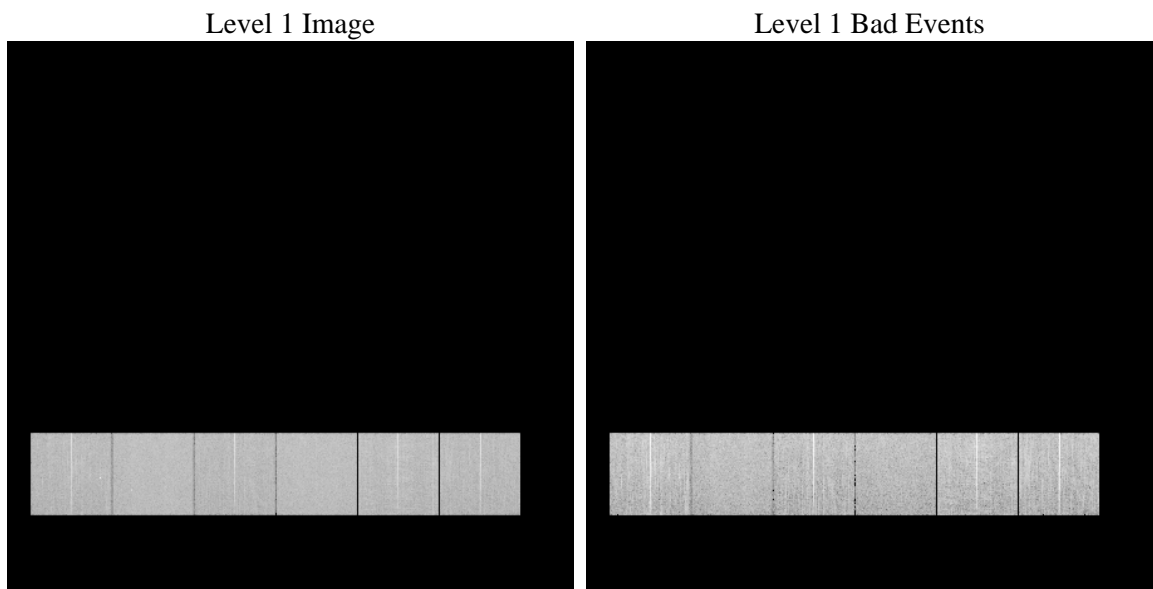
# 1 Front

seq_num	&#160	Sequence number
obs_id	57987	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	136.96474911111	Nominal RA [deg]
dec_nom	43.986496382925	Nominal Dec [deg]
roll_nom	175.13648295962	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7276.7999729514	Sum of GTIs [s]
livetime	7184.656750131	Livetime [s]
ontime4	7276.7999729514	Sum of GTIs [s]
ontime5	7276.7999729514	Sum of GTIs [s]
ontime6	7276.7999729514	Sum of GTIs [s]
ontime7	7276.7999729514	Sum of GTIs [s]
ontime8	7276.7999729514	Sum of GTIs [s]
ontime9	7276.7999729514	Sum of GTIs [s]
l2events	591195	Number of level 2 events

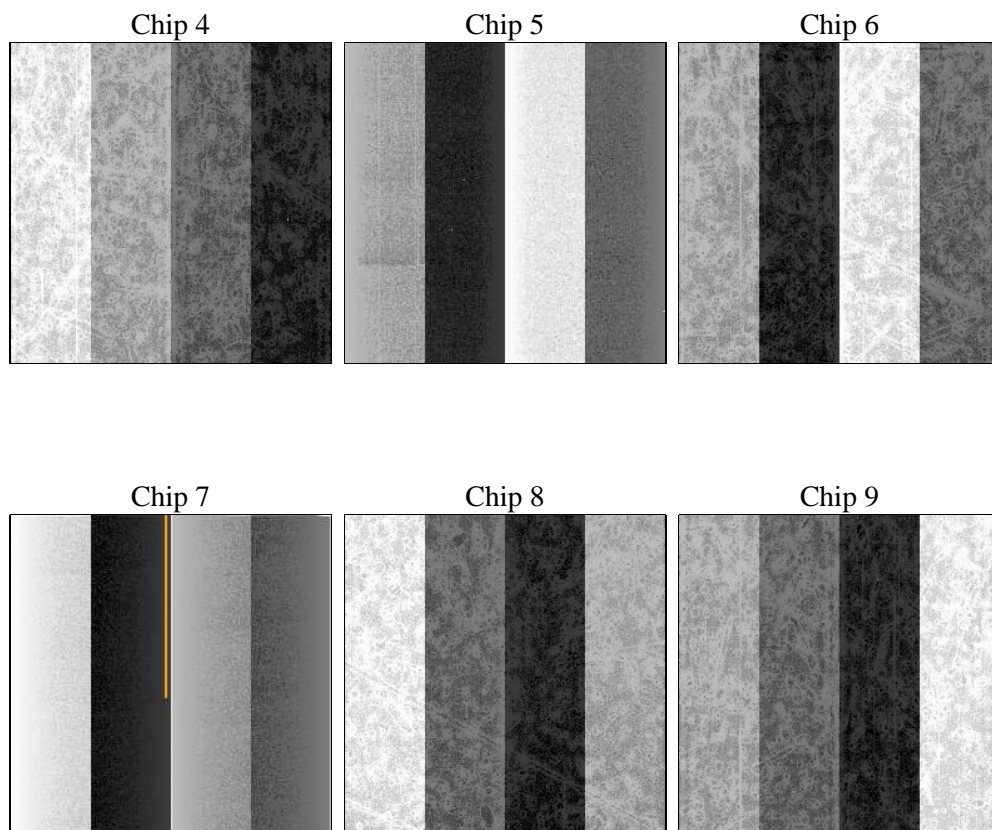
## 2 OBI

### 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	7276.7999729514	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	7276.7999729514	Sum of GTIs [s]
date	2012-05-09T03:21:05	Date and time of file creation	ontime5	7276.7999729514	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7276.7999729514	Sum of GTIs [s]
			ontime7	7276.7999729514	Sum of GTIs [s]
			ontime8	7276.7999729514	Sum of GTIs [s]
			ontime9	7276.7999729514	Sum of GTIs [s]
			l1events	1051572	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	166399	184070	165787	185307	183178	166831	grade 0 events	52422	19031	52002	25775	55940	51794
rejected events	75573	64704	68360	60362	74869	72212		31%	10%	31%	13%	30%	31%
rejected %	45%	35%	41%	32%	40%	43%	grade 1 events	533	186	322	144	382	403
								0%	0%	0%	0%	0%	0%
							grade 2 events	14655	44141	17260	27582	20354	16635
								8%	23%	10%	14%	11%	9%
							grade 3 events	6295	5984	6479	12170	7730	6374
								3%	3%	3%	6%	4%	3%
							grade 4 events	6346	5916	6379	11697	7489	6273
								3%	3%	3%	6%	4%	3%
							grade 5 events	3722	8747	3819	9743	4825	4219
								2%	4%	2%	5%	2%	2%
							grade 6 events	12163	45713	16414	49158	18120	14714
								7%	24%	9%	26%	9%	8%
							grade 7 events	70263	54352	63112	49038	68338	66419
								42%	29%	38%	26%	37%	39%

## 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	136.964749111114	Alternating exposures requested	N	N
[deg] Pointing Dec	0	43.98649638292513	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	175.1364829596211			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	318278721.948453	318278720.92345			
Observation start date	2008-02-01T18:45:22	2008-02-01T18:45:20			
[s] Observation end time (MET)	318301173.549542	318301172.52454			
Observation end date	2008-02-02T00:59:34	2008-02-02T00:59:32			
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)	2012.05.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.2767999729514

### A.2 Comments