

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56191 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 28 2012

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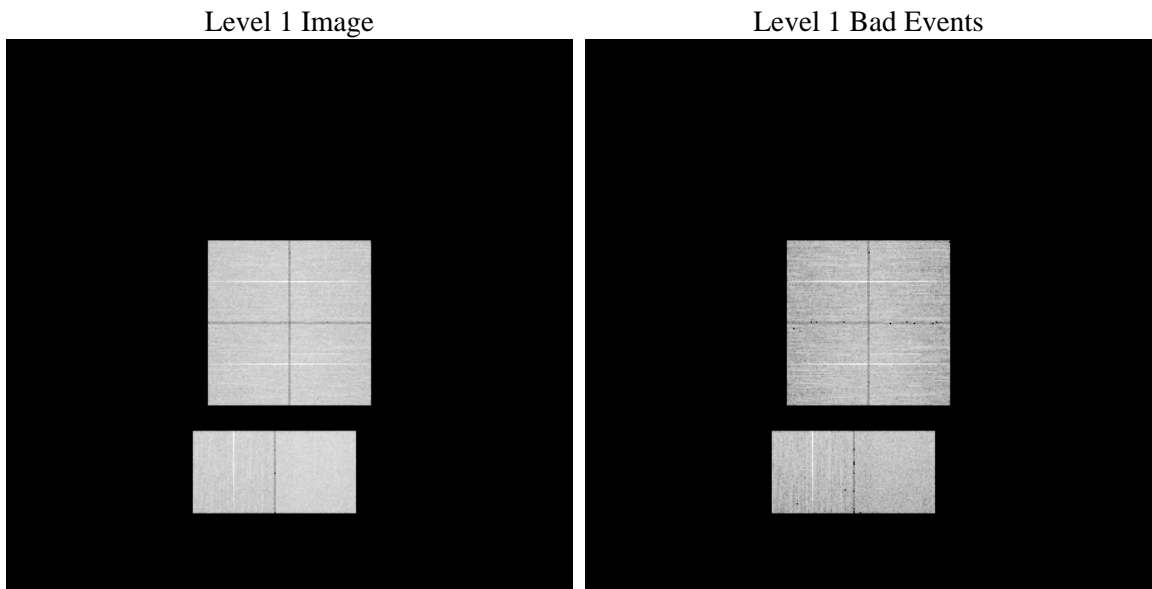
# 1 Front

seq_num	&#160	Sequence number
obs_id	56191	Observation id
title	ACIS-012367 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	22.974898664645	Nominal RA [deg]
dec_nom	-1.985917731122	Nominal Dec [deg]
roll_nom	117.83574609184	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8275.1999692321	Sum of GTIs [s]
livetime	8170.4144044945	Livetime [s]
ontime0	8275.1999692321	Sum of GTIs [s]
ontime1	8275.1999692321	Sum of GTIs [s]
ontime2	8275.1999692321	Sum of GTIs [s]
ontime3	8275.1999692321	Sum of GTIs [s]
ontime6	8275.1999692321	Sum of GTIs [s]
ontime7	8275.1999692321	Sum of GTIs [s]
l2events	382119	Number of level 2 events

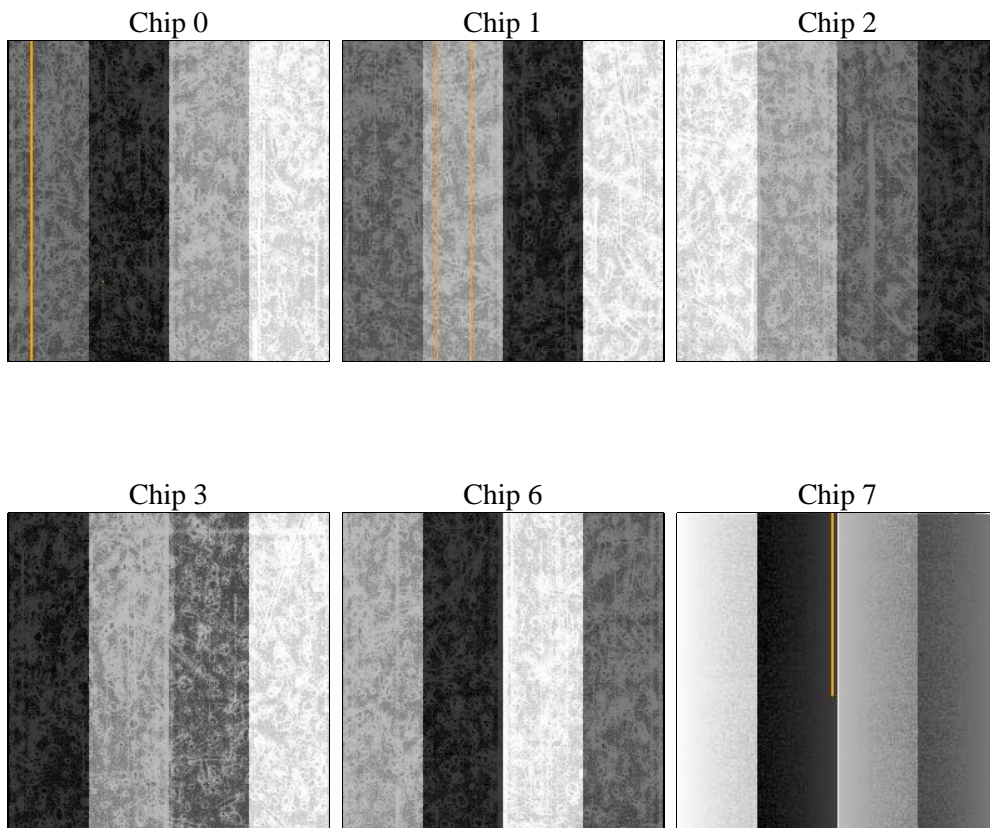
## 2 OBI

### 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	8.4.5	Processing system revision	ontime	8275.1999692321	Sum of GTIs [s]
caldsver	4.5.0	&#160	ontime0	8275.1999692321	Sum of GTIs [s]
date	2012-06-28T09:36:50	Date and time of file creation	ontime1	8275.1999692321	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8275.1999692321	Sum of GTIs [s]
			ontime3	8275.1999692321	Sum of GTIs [s]
			ontime6	8275.1999692321	Sum of GTIs [s]
			ontime7	8275.1999692321	Sum of GTIs [s]
			l1events	819198	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	127606	129616	129002	134343	135447	163184	grade 0 events	31654	30332	33258	33663	30453	16016
rejected events	66935	67558	68209	72410	72518	67654		24%	23%	25%	25%	22%	9%
rejected %	52%	52%	52%	53%	53%	41%	grade 1 events	191	152	260	239	165	126
								0%	0%	0%	0%	0%	0%
							grade 2 events	11479	13800	10077	10712	13770	21240
								8%	10%	7%	7%	10%	13%
							grade 3 events	4072	3872	4234	4217	3779	8092
								3%	2%	3%	3%	2%	4%
							grade 4 events	3899	3882	4173	4114	3748	7903
								3%	2%	3%	3%	2%	4%
							grade 5 events	3553	3634	3426	4112	3763	9757
								2%	2%	2%	3%	2%	5%
							grade 6 events	9593	10198	9073	9227	11199	42279
								7%	7%	7%	6%	8%	25%
							grade 7 events	63165	63746	64501	68059	68570	57771
								49%	49%	50%	50%	50%	35%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	22.97489866464451	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-1.985917731121985	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	117.8357460918382	[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)	392765725.013769	392765723.98877			
Observation start date	2010-06-12T21:35:25	2010-06-12T21:35:23			
[s] Observation end time (MET)	392778098.814399	392778097.7894			
Observation end date	2010-06-13T01:01:39	2010-06-13T01:01:37			
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)	2012.07.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2751999692321

### A.2 Comments