

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56247 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 26 2012

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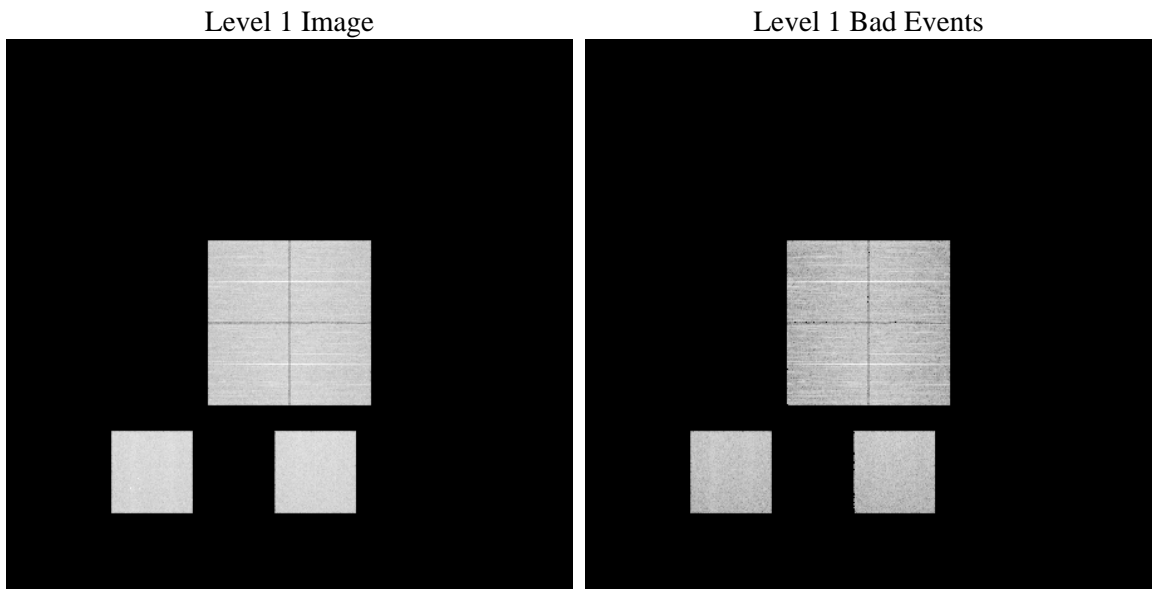
# 1 Front

seq_num	&#160	Sequence number
obs_id	56247	Observation id
title	ACIS-012357 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	239.97392718301	Nominal RA [deg]
dec_nom	3.9878949259275	Nominal Dec [deg]
roll_nom	172.14001872105	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]
ontime5	8275.1906189322	Sum of GTIs [s]
ontime7	8275.1999692321	Sum of GTIs [s]
l2events	430714	Number of level 2 events

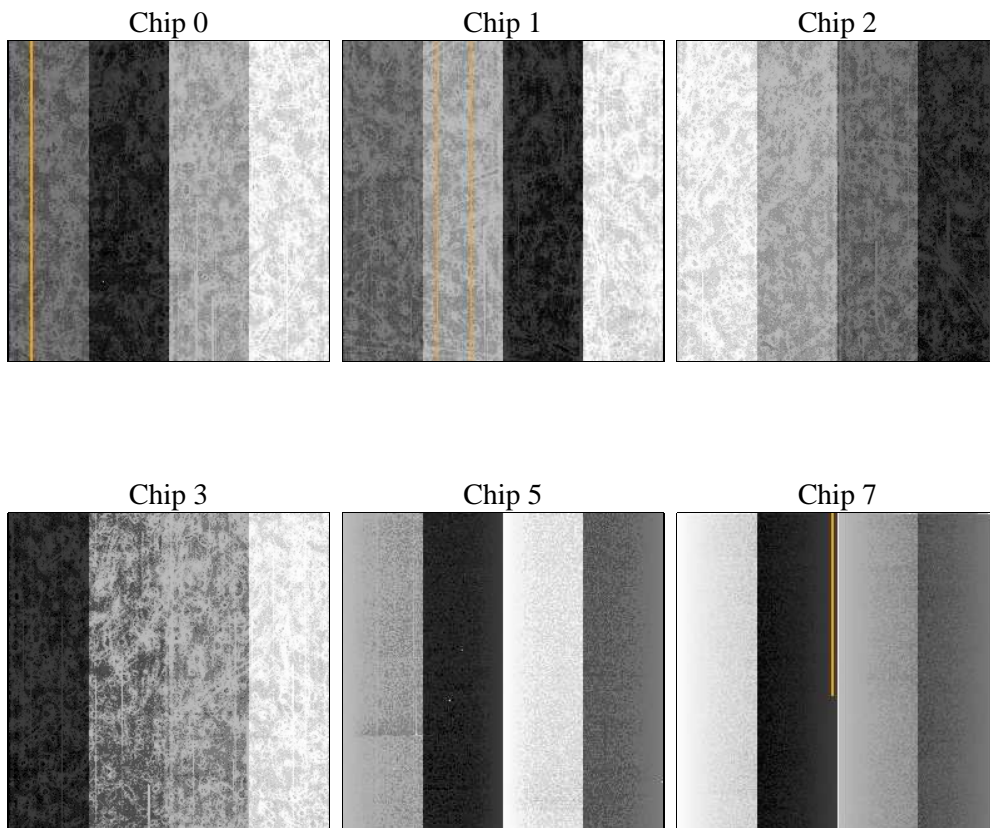
## 2 OBI

### 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	4.4.10	&#160	ontime0	8275.1999692321	Sum of GTIs [s]
date	2012-06-26T03:27:39	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]
			ontime5	8275.1906189322	Sum of GTIs [s]
			ontime7	8275.1999692321	Sum of GTIs [s]
			l1events	857014	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	130428	129918	130976	134702	165945	165045	grade 0 events	33755	32531	34283	35177	10324	17016
rejected events	66262	65737	67753	69844	68682	66993		25%	25%	26%	26%	6%	10%
rejected %	50%	50%	51%	51%	41%	40%	grade 1 events	239	176	231	246	193	144
								0%	0%	0%	0%	0%	0%
							grade 2 events	11866	13095	10617	11328	36602	21637
								9%	10%	8%	8%	22%	13%
							grade 3 events	4381	4019	4401	4364	3664	8573
								3%	3%	3%	3%	2%	5%
							grade 4 events	4302	4192	4353	4288	3450	8388
								3%	3%	3%	3%	2%	5%
							grade 5 events	3889	3874	3689	4144	8089	10122
								2%	2%	2%	3%	4%	6%
							grade 6 events	9880	10370	9593	9719	43256	42467
								7%	7%	7%	7%	26%	25%
							grade 7 events	62116	61661	63809	65436	60367	56698
								47%	47%	48%	48%	36%	34%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	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	239.9739271830078	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	3.98789492592747	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	172.1400187210501	[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)	390713344.859175	390713343.8342			
Observation start date	2010-05-20T03:29:05	2010-05-20T03:29:03			
[s] Observation end time (MET)	390723525.159693	390723524.13471			
Observation end date	2010-05-20T06:18:45	2010-05-20T06:18:44			
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