

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 59123 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Mar 25 2012

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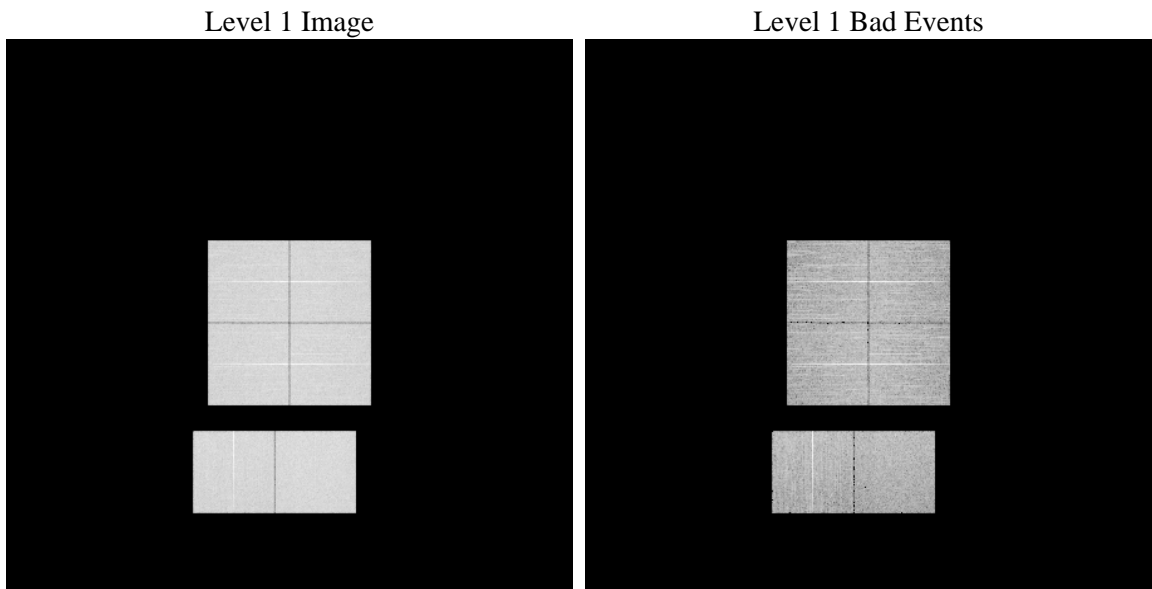
# 1 Front

seq_num	&#160	Sequence number
obs_id	59123	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	134.02840994667	Nominal RA [deg]
dec_nom	-11.997642568647	Nominal Dec [deg]
roll_nom	335.88096599507	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7797.7629854679	Sum of GTIs [s]
livetime	7699.0230152967	Livetime [s]
ontime0	7797.8040055931	Sum of GTIs [s]
ontime1	7797.8450455964	Sum of GTIs [s]
ontime2	7797.8737525642	Sum of GTIs [s]
ontime3	7797.7219454646	Sum of GTIs [s]
ontime6	7798.3465780616	Sum of GTIs [s]
ontime7	7797.7629854679	Sum of GTIs [s]
l2events	928267	Number of level 2 events

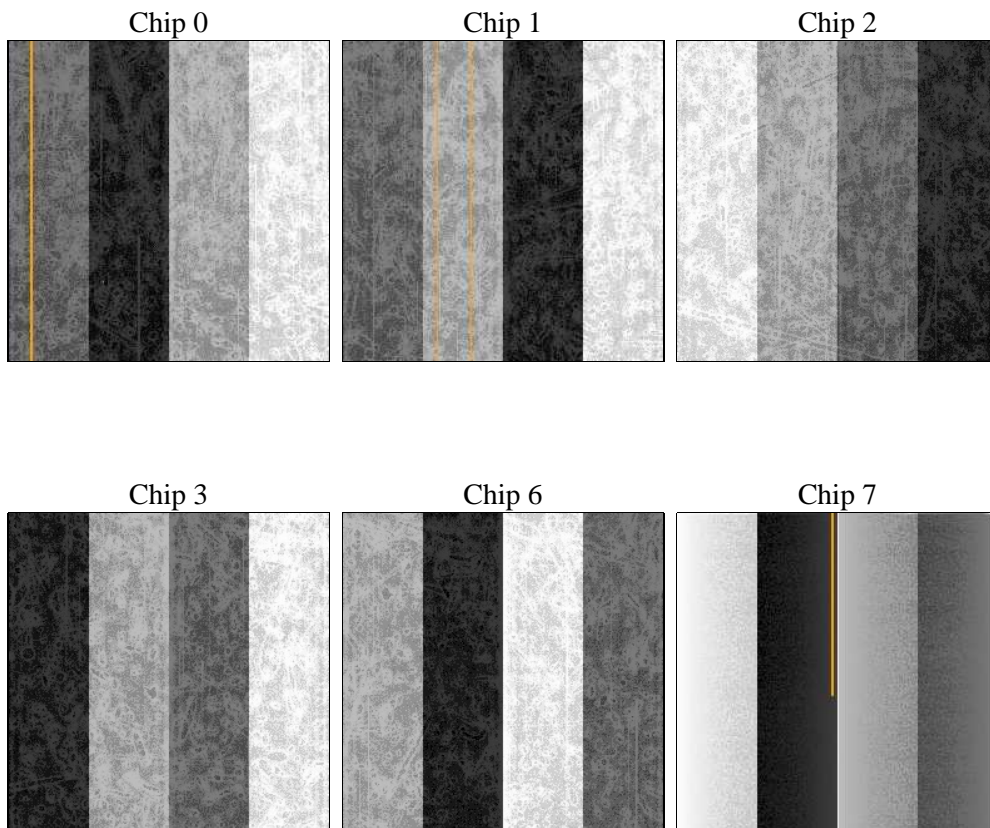
## 2 OBI

### 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	7797.7629854679	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	7797.8040055931	Sum of GTIs [s]
date	2012-03-25T16:27:07	Date and time of file creation	ontime1	7797.8450455964	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	7797.8737525642	Sum of GTIs [s]
			ontime3	7797.7219454646	Sum of GTIs [s]
			ontime6	7798.3465780616	Sum of GTIs [s]
			ontime7	7797.7629854679	Sum of GTIs [s]
			l1events	1341495	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	216664	217063	221243	223753	225249	237523	grade 0 events	85572	85212	87387	88877	87631	41809
rejected events	60328	60300	63542	64768	61807	53237		39%	39%	39%	39%	38%	17%
rejected %	27%	27%	28%	28%	27%	22%	grade 1 events	541	478	618	614	463	152
								0%	0%	0%	0%	0%	0%
							grade 2 events	27524	28045	26872	27032	28548	40168
								12%	12%	12%	12%	12%	16%
							grade 3 events	10156	10119	10472	10455	10484	18383
								4%	4%	4%	4%	4%	7%
							grade 4 events	10307	10110	10567	10389	10385	17809
								4%	4%	4%	4%	4%	7%
							grade 5 events	3479	3627	3349	3893	3798	9375
								1%	1%	1%	1%	1%	3%
							grade 6 events	22777	23277	22403	22232	26463	66117
								10%	10%	10%	9%	11%	27%
							grade 7 events	56308	56195	59575	60261	57477	43710
								25%	25%	26%	26%	25%	18%

## 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	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	134.0284099466736	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-11.99764256864747	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	335.880965995067			
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	256098637.647114	256098636.62213			
Observation start date	2006-02-12T02:30:38	2006-02-12T02:30:36			
[s] Observation end time (MET)	256115550.147898	256115549.12291			
Observation end date	2006-02-12T07:12:30	2006-02-12T07:12:29			
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)	2012.03.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7977629854679

### A.2 Comments