

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 59353 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 31 2012

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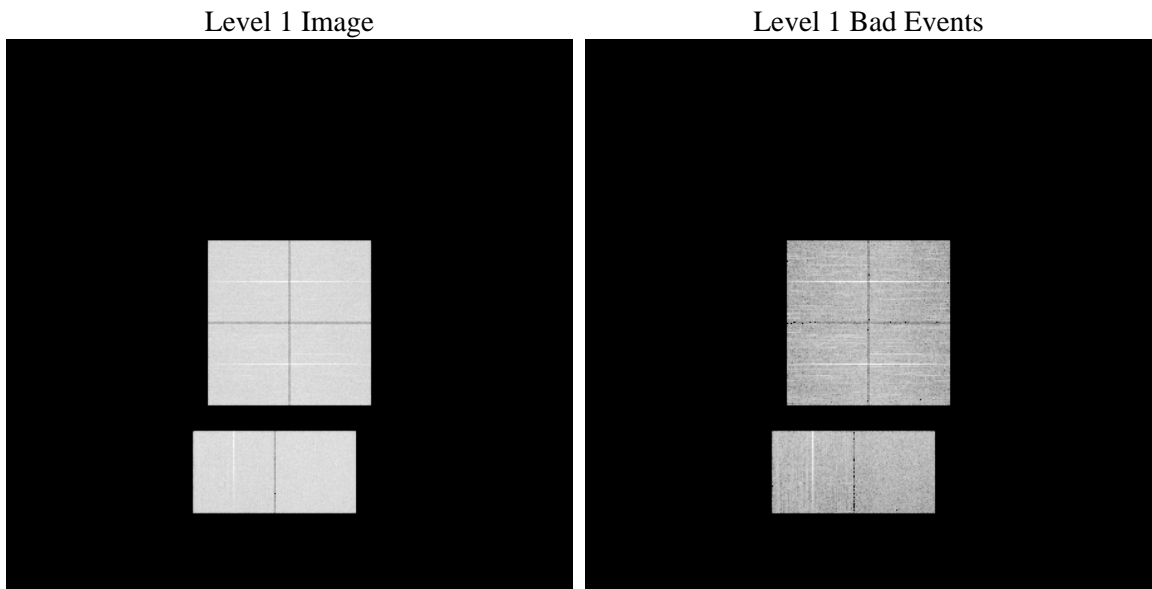
# 1 Front

seq_num	&#160	Sequence number
obs_id	59353	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	51.960945939739	Nominal RA [deg]
dec_nom	42.998186252746	Nominal Dec [deg]
roll_nom	150.79442479486	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8278.3999691606	Sum of GTIs [s]
livetime	8173.573884097	Livetime [s]
ontime0	8278.3999691606	Sum of GTIs [s]
ontime1	8278.3863086104	Sum of GTIs [s]
ontime2	8278.3452686071	Sum of GTIs [s]
ontime3	8278.3999691606	Sum of GTIs [s]
ontime6	8275.0632384121	Sum of GTIs [s]
ontime7	8278.3999691606	Sum of GTIs [s]
l2events	1045585	Number of level 2 events

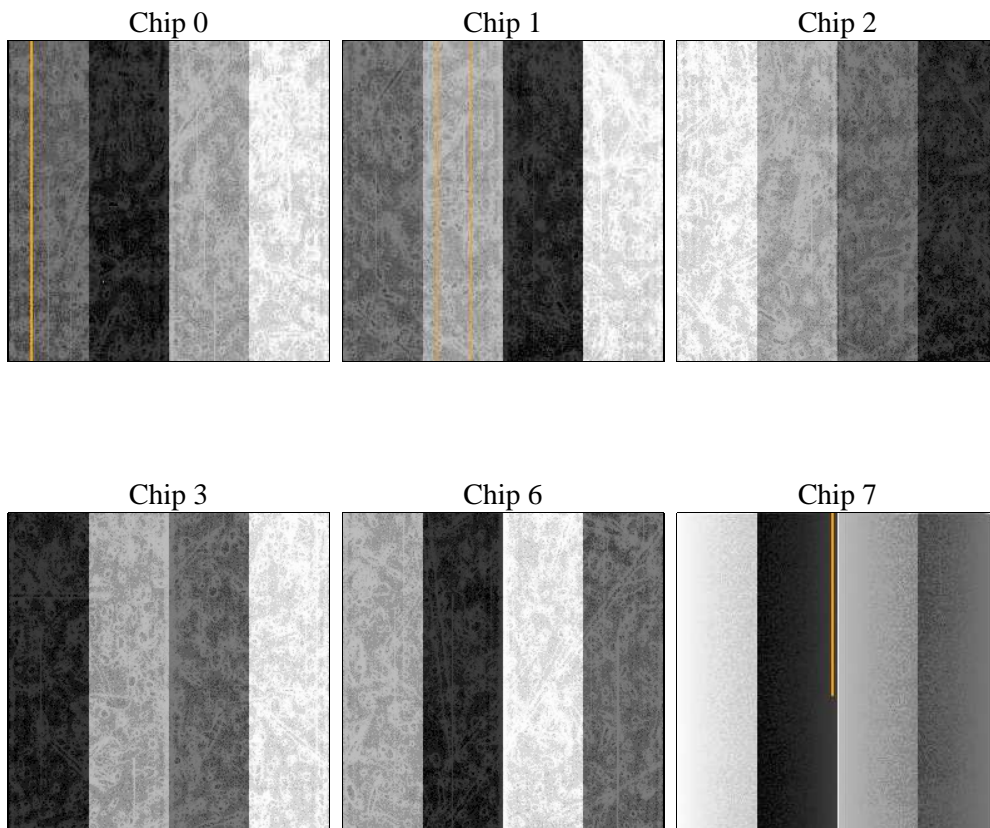
## 2 OBI

### 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	8.5.1.1	Processing system revision	ontime	8278.3999691606	Sum of GTIs [s]
caldsver	4.5.5	&#160	ontime0	8278.3999691606	Sum of GTIs [s]
date	2012-12-31T10:03:22	Date and time of file creation	ontime1	8278.3863086104	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	8278.3452686071	Sum of GTIs [s]
			ontime3	8278.3999691606	Sum of GTIs [s]
			ontime6	8275.0632384121	Sum of GTIs [s]
			ontime7	8278.3999691606	Sum of GTIs [s]
			l1events	1459126	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	235435	233830	242121	243440	247189	257111	grade 0 events	97088	96526	99517	100044	99722	46720
rejected events	58428	56251	63676	64190	62173	53637		41%	41%	41%	41%	40%	18%
rejected %	24%	24%	26%	26%	25%	20%	grade 1 events	585	473	626	659	577	182
								0%	0%	0%	0%	0%	0%
							grade 2 events	31018	31780	30067	30640	32160	44615
								13%	13%	12%	12%	13%	17%
							grade 3 events	11727	11426	11778	11749	11628	19870
								4%	4%	4%	4%	4%	7%
							grade 4 events	11462	11333	11824	11891	11530	19816
								4%	4%	4%	4%	4%	7%
							grade 5 events	3552	3660	3346	3911	4011	9162
								1%	1%	1%	1%	1%	3%
							grade 6 events	25791	26588	25327	24980	30066	72558
								10%	11%	10%	10%	12%	28%
							grade 7 events	54212	52044	59636	59566	57495	44188
								23%	22%	24%	24%	23%	17%

## 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	51.96094593973896	Alternating exposures requested	N	N
[deg] Pointing Dec	0	42.99818625274568	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	150.794424794857			
[mm] SIM focus pos	-0.782348	-1.428180813131781			
[mm] SIM defocus	0	0.1051558262725154			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	247237797.187041	247237796.16204			
Observation start date	2005-11-01T13:09:57	2005-11-01T13:09:56			
[s] Observation end time (MET)	247249560.087583	247249559.06258			
Observation end date	2005-11-01T16:26:00	2005-11-01T16:25:59			
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)	2013.01.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2783999691606

### A.2 Comments