

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 59611 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 25 2012

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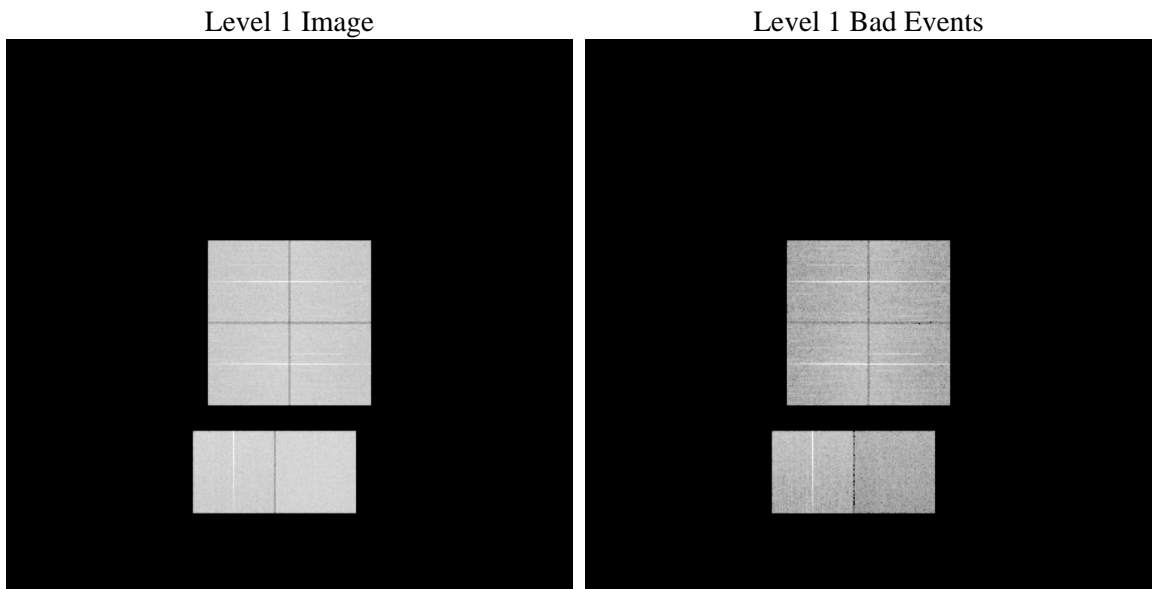
# 1 Front

seq_num	&#160	Sequence number
obs_id	59611	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	285.00892510102	Nominal RA [deg]
dec_nom	-43.970342622793	Nominal Dec [deg]
roll_nom	44.358445530975	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8182.1631436646	Sum of GTIs [s]
livetime	8078.5556672324	Livetime [s]
ontime0	5793.522118777	Sum of GTIs [s]
ontime1	5958.7716706991	Sum of GTIs [s]
ontime2	5871.2243718505	Sum of GTIs [s]
ontime3	6033.4374164045	Sum of GTIs [s]
ontime6	6694.3918344975	Sum of GTIs [s]
ontime7	8182.1631436646	Sum of GTIs [s]
l2events	924540	Number of level 2 events

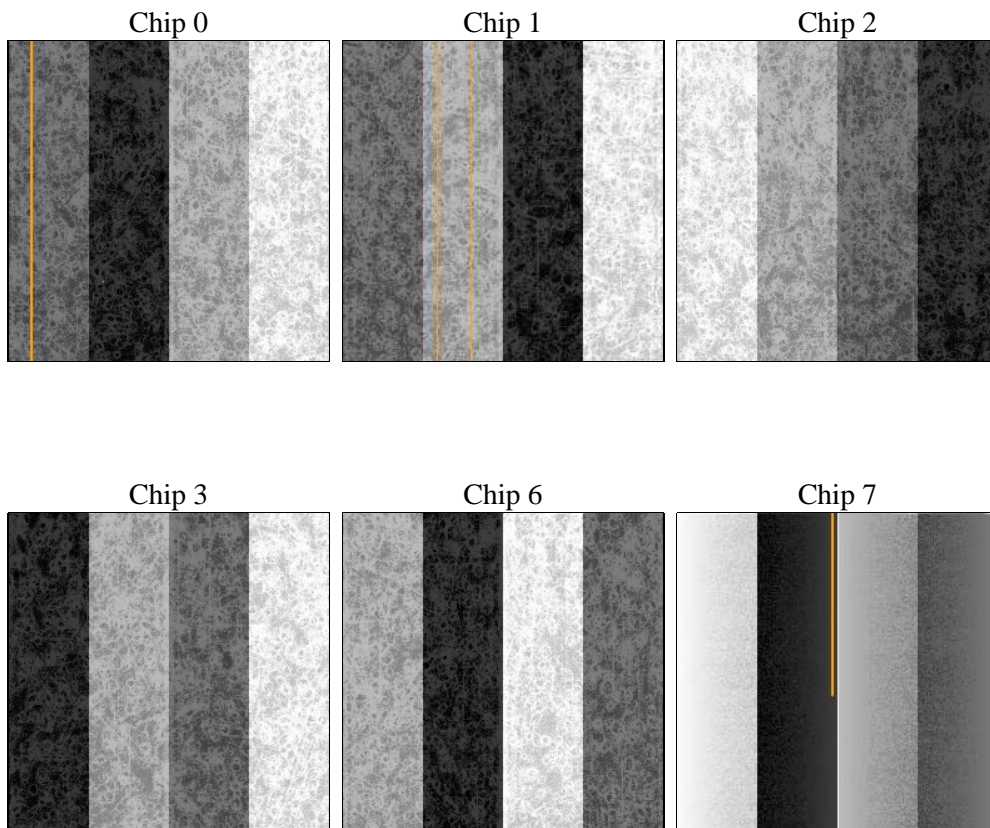
## 2 OBI

### 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	8182.1631436646	Sum of GTIs [s]
caldsver	4.5.5	&#160	ontime0	5793.522118777	Sum of GTIs [s]
date	2012-12-25T05:52:15	Date and time of file creation	ontime1	5958.7716706991	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	5871.2243718505	Sum of GTIs [s]
			ontime3	6033.4374164045	Sum of GTIs [s]
			ontime6	6694.3918344975	Sum of GTIs [s]
			ontime7	8182.1631436646	Sum of GTIs [s]
			l1events	1492753	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	220745	225509	237780	237886	272578	298255	grade 0 events	76012	77168	79293	81589	90262	54717
rejected events	82735	83540	96356	92397	105595	58287		34%	34%	33%	34%	33%	18%
rejected %	37%	37%	40%	38%	38%	19%	grade 1 events	796	776	934	922	826	285
								0%	0%	0%	0%	0%	0%
							grade 2 events	24272	25474	23853	24781	29305	54605
								10%	11%	10%	10%	10%	18%
							grade 3 events	9081	9456	9550	9926	10580	23353
								4%	4%	4%	4%	3%	7%
							grade 4 events	9250	9407	9458	9648	10743	22911
								4%	4%	3%	4%	3%	7%
							grade 5 events	2854	2868	2867	3119	3580	9713
								1%	1%	1%	1%	1%	3%
							grade 6 events	20461	21540	20440	20740	27415	86239
								9%	9%	8%	8%	10%	28%
							grade 7 events	78019	78820	91385	87161	99867	46432
								35%	34%	38%	36%	36%	15%

## 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	285.0089251010168	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-43.97034262279308	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	44.35844553097485			
[mm] SIM focus pos	-0.782348	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	235348030.341455	235348029.31645			
Observation start date	2005-06-16T22:27:10	2005-06-16T22:27:09			
[s] Observation end time (MET)	235370947.292501	235370946.2675			
Observation end date	2005-06-17T04:49:07	2005-06-17T04:49:06			
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)	2013.01.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1821631436646

### A.2 Comments