

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 60383 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Nov 11 2012

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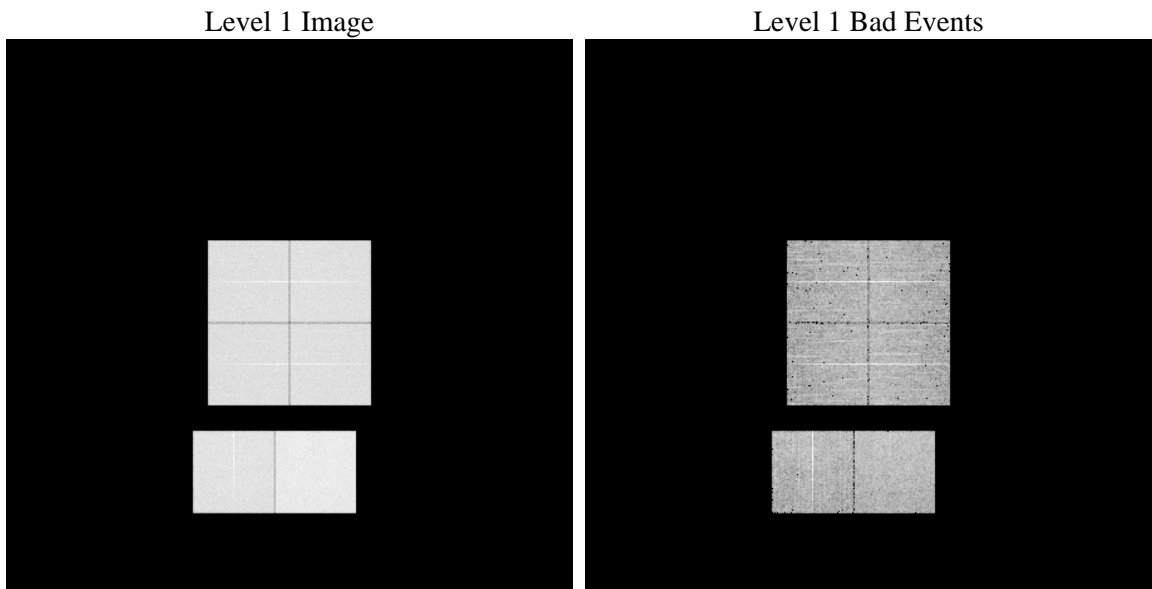
# 1 Front

seq_num	&#160	Sequence number
obs_id	60383	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	148.01686303598	Nominal RA [deg]
dec_nom	-7.4767535947493	Nominal Dec [deg]
roll_nom	21.38466004387	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8447.9999685287	Sum of GTIs [s]
livetime	8341.0263061524	Livetime [s]
ontime0	6065.8817849755	Sum of GTIs [s]
ontime1	6172.8337360024	Sum of GTIs [s]
ontime2	5816.3261054456	Sum of GTIs [s]
ontime3	5903.832075268	Sum of GTIs [s]
ontime6	6351.0876992345	Sum of GTIs [s]
ontime7	8447.9999685287	Sum of GTIs [s]
l2events	1243807	Number of level 2 events

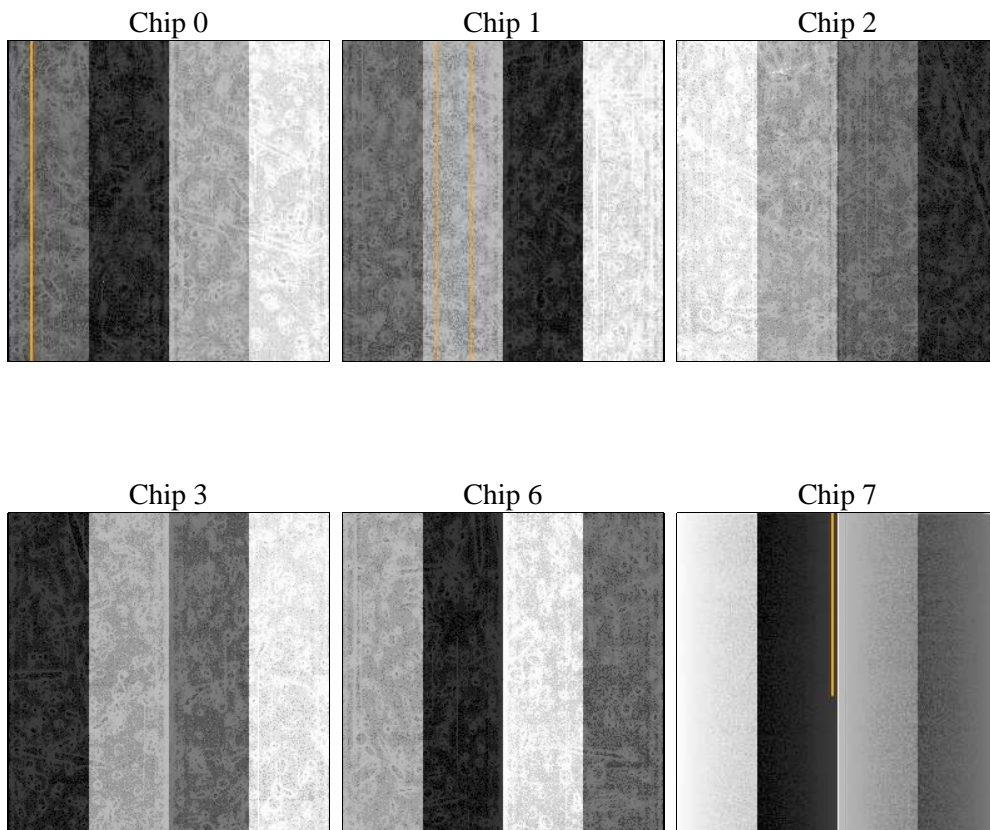
## 2 OBI

### 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	8447.9999685287	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime0	6065.8817849755	Sum of GTIs [s]
date	2012-11-11T14:08:27	Date and time of file creation	ontime1	6172.8337360024	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	5816.3261054456	Sum of GTIs [s]
			ontime3	5903.832075268	Sum of GTIs [s]
			ontime6	6351.0876992345	Sum of GTIs [s]
			ontime7	8447.9999685287	Sum of GTIs [s]
			l1events	1536663	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	235352	238668	229080	234244	259663	339656	grade 0 events	110108	111373	108348	110601	119067	72945
rejected events	36502	36468	36426	38364	40775	44098		46%	46%	47%	47%	45%	21%
rejected %	15%	15%	15%	16%	15%	12%	grade 1 events	548	478	637	580	556	210
								0%	0%	0%	0%	0%	0%
							grade 2 events	34712	35883	32511	33394	38117	65331
								14%	15%	14%	14%	14%	19%
							grade 3 events	12908	12602	12600	12644	13563	29930
								5%	5%	5%	5%	5%	8%
							grade 4 events	12696	12583	12429	12853	13620	29821
								5%	5%	5%	5%	5%	8%
							grade 5 events	2389	2571	2344	2623	2811	8135
								1%	1%	1%	1%	1%	2%
							grade 6 events	28848	30264	27077	26816	34858	98198
								12%	12%	11%	11%	13%	28%
							grade 7 events	33143	32914	33134	34733	37071	35086
								14%	13%	14%	14%	14%	10%

## 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	148.0168630359788	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-7.476753594749312	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	21.38466004386954			
[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)	192395059.020044	192395057.99532			
Observation start date	2004-02-05T19:04:19	2004-02-05T19:04:17			
[s] Observation end time (MET)	192418701.671078	192418700.64635			
Observation end date	2004-02-06T01:38:22	2004-02-06T01:38:20			
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)	2012.12.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4479999685287

### A.2 Comments