

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 60246 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Nov 30 2012

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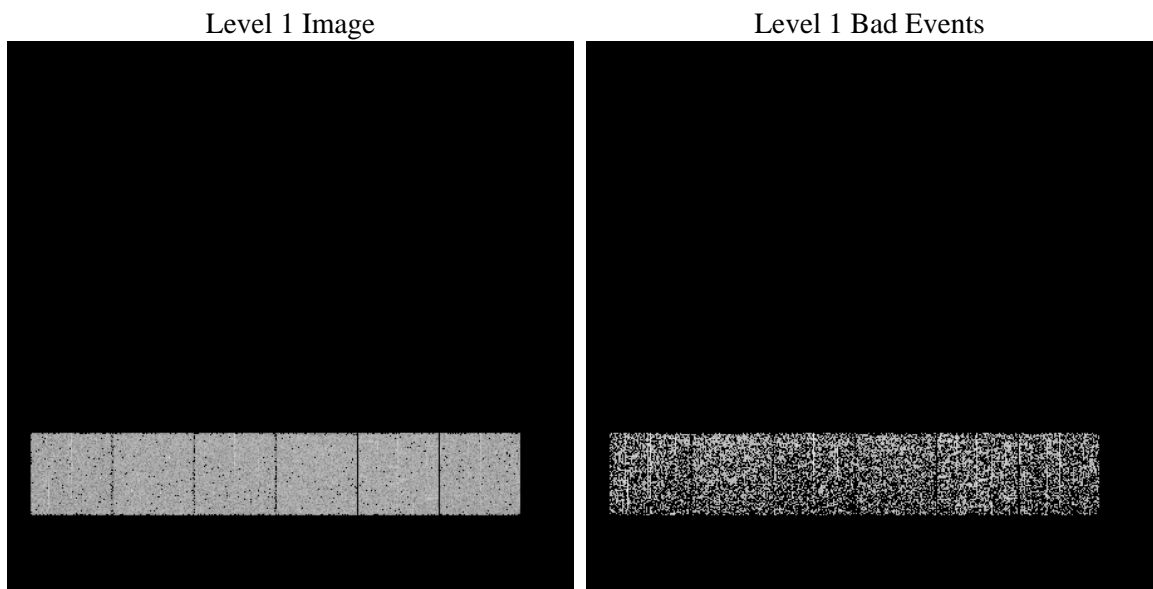
# 1 Front

seq_num	&#160	Sequence number
obs_id	60246	Observation id
title	ACIS-456789 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	219.98076023661	Nominal RA [deg]
dec_nom	-7.0212945374671	Nominal Dec [deg]
roll_nom	195.28485458767	Nominal Roll [deg]
revision	3	Processing version of data
ontime	499.19999814034	Sum of GTIs [s]
livetime	492.87882718173	Livetime [s]
ontime4	450.58509472013	Sum of GTIs [s]
ontime5	499.19999814034	Sum of GTIs [s]
ontime6	475.23709288239	Sum of GTIs [s]
ontime7	499.19999814034	Sum of GTIs [s]
ontime8	489.47704729438	Sum of GTIs [s]
ontime9	468.6320720911	Sum of GTIs [s]
l2events	87561	Number of level 2 events

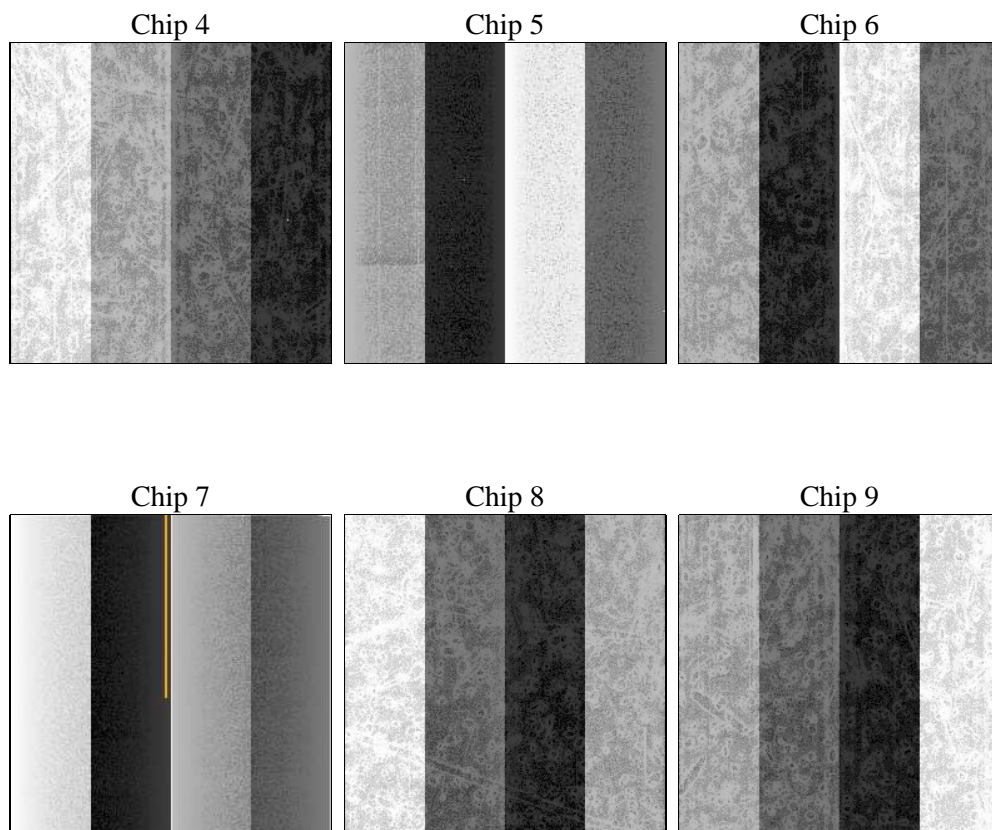
## 2 OBI

### 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	499.19999814034	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime4	450.58509472013	Sum of GTIs [s]
date	2012-11-30T20:27:07	Date and time of file creation	ontime5	499.19999814034	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	475.23709288239	Sum of GTIs [s]
			ontime7	499.19999814034	Sum of GTIs [s]
			ontime8	489.47704729438	Sum of GTIs [s]
			ontime9	468.6320720911	Sum of GTIs [s]
			l1events	114917	Number of level 1 events

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	17726	19166	19061	20085	20699	18180
rejected events	3952	3680	3386	3104	4256	3327
rejected %	22%	19%	17%	15%	20%	18%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	8068	3446	8447	4203	9040	8155
	45%	17%	44%	20%	43%	44%
grade 1 events	59	19	44	14	44	41
	0%	0%	0%	0%	0%	0%
grade 2 events	2150	5658	2639	3788	2811	2551
	12%	29%	13%	18%	13%	14%
grade 3 events	880	951	1022	1726	1031	943
	4%	4%	5%	8%	4%	5%
grade 4 events	949	881	1040	1635	1096	980
	5%	4%	5%	8%	5%	5%
grade 5 events	208	561	232	547	297	222
	1%	2%	1%	2%	1%	1%
grade 6 events	1824	4660	2527	5764	2581	2224
	10%	24%	13%	28%	12%	12%
grade 7 events	3588	2990	3110	2408	3799	3064
	20%	15%	16%	11%	18%	16%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	219.9807602366143
[deg] Pointing Dec	0	-7.021294537467066
[deg] Pointing Roll	0.0	195.284854587673
[mm] SIM focus pos	-0.684267	-0.7809083437167272
[mm] SIM defocus	0	0.7524282956875696
[mm] SIM translation stage pos	-190.132523	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	200129203.009922	200129201.98492
Observation start date	2004-05-05T07:26:43	2004-05-05T07:26:41
[s] Observation end time (MET)	200143565.310555	200143564.28555
Observation end date	2004-05-05T11:26:05	2004-05-05T11:26:04
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

## **2.3 Star Slots**

## **2.4 FID Slots**

## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.12.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.49919999814034

### A.2 Comments