

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 60667 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Oct 31 2012

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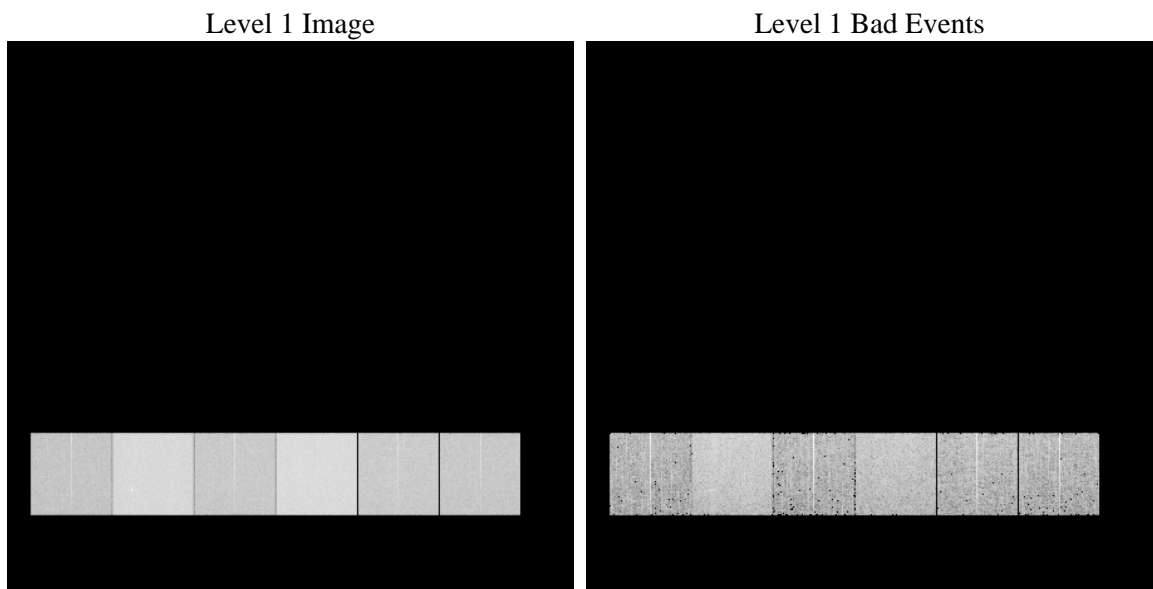
# 1 Front

seq_num	&#160	Sequence number
obs_id	60667	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	345.7668146693	Nominal RA [deg]
dec_nom	-3.2945199569572	Nominal Dec [deg]
roll_nom	115.69307781646	Nominal Roll [deg]
revision	4	Processing version of data
ontime	8402.7417230904	Sum of GTIs [s]
livetime	8296.341147869	Livetime [s]
ontime4	4056.466335535	Sum of GTIs [s]
ontime5	8402.7006830871	Sum of GTIs [s]
ontime6	4484.3198638856	Sum of GTIs [s]
ontime7	8402.7417230904	Sum of GTIs [s]
ontime8	4594.4309022129	Sum of GTIs [s]
ontime9	4294.3620223701	Sum of GTIs [s]
l2events	1243333	Number of level 2 events

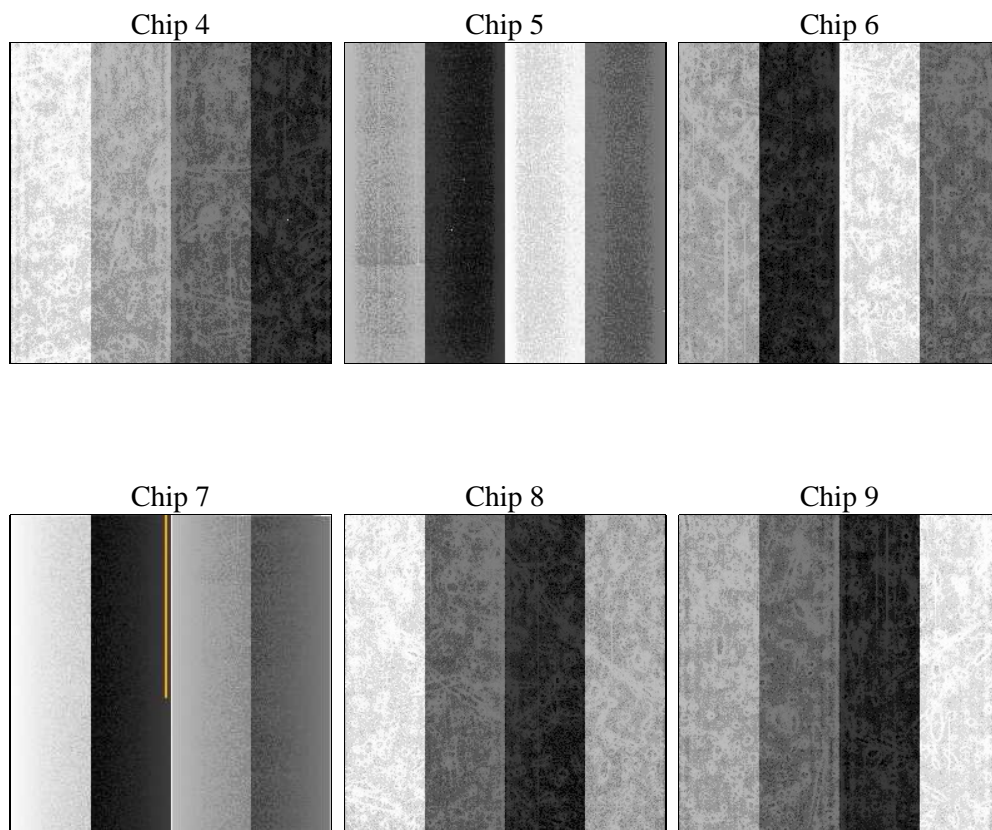
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	16260	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8402.7417230904	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime4	4056.466335535	Sum of GTIs [s]
date	2012-10-31T10:19:17	Date and time of file creation	ontime5	8402.7006830871	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	4484.3198638856	Sum of GTIs [s]
			ontime7	8402.7417230904	Sum of GTIs [s]
			ontime8	4594.4309022129	Sum of GTIs [s]
			ontime9	4294.3620223701	Sum of GTIs [s]
			l1events	1538417	Number of level 1 events

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	179415	349285	210145	383191	220312	196069	grade 0 events	87993	59161	98273	83810	102326	91846
rejected events	30848	57816	32170	46451	35788	32015		49%	16%	46%	21%	46%	46%
rejected %	17%	16%	15%	12%	16%	16%	grade 1 events	620	214	451	203	501	501
								0%	0%	0%	0%	0%	0%
							grade 2 events	23178	114704	30748	74464	32426	27939
								12%	32%	14%	19%	14%	14%
							grade 3 events	9809	15954	11068	34330	11881	10563
								5%	4%	5%	8%	5%	5%
							grade 4 events	9769	15600	10982	33369	11817	10511
								5%	4%	5%	8%	5%	5%
							grade 5 events	1829	9092	2148	8382	2466	2131
								1%	2%	1%	2%	1%	1%
							grade 6 events	18751	88026	28209	113050	27554	24448
								10%	25%	13%	29%	12%	12%
							grade 7 events	27466	46534	28266	35583	31341	28130
								15%	13%	13%	9%	14%	14%

## 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	345.7668259922086	345.7668146692961
[deg] Pointing Dec	-3.294544784714978	-3.294519956957237
[deg] Pointing Roll	115.6930784166498	115.6930778164613
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	174119884.282039	174119884.282039
Observation start date	2003-07-09T06:48:00	2003-07-09T06:38:04
[s] Observation end time (MET)	174141359.778984	174141359.778984
Observation end date	2003-07-09T11:19:00	2003-07-09T12:35:59
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	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)	2012.12.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4027417230904

### A.2 Comments