

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61307 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 2 2012

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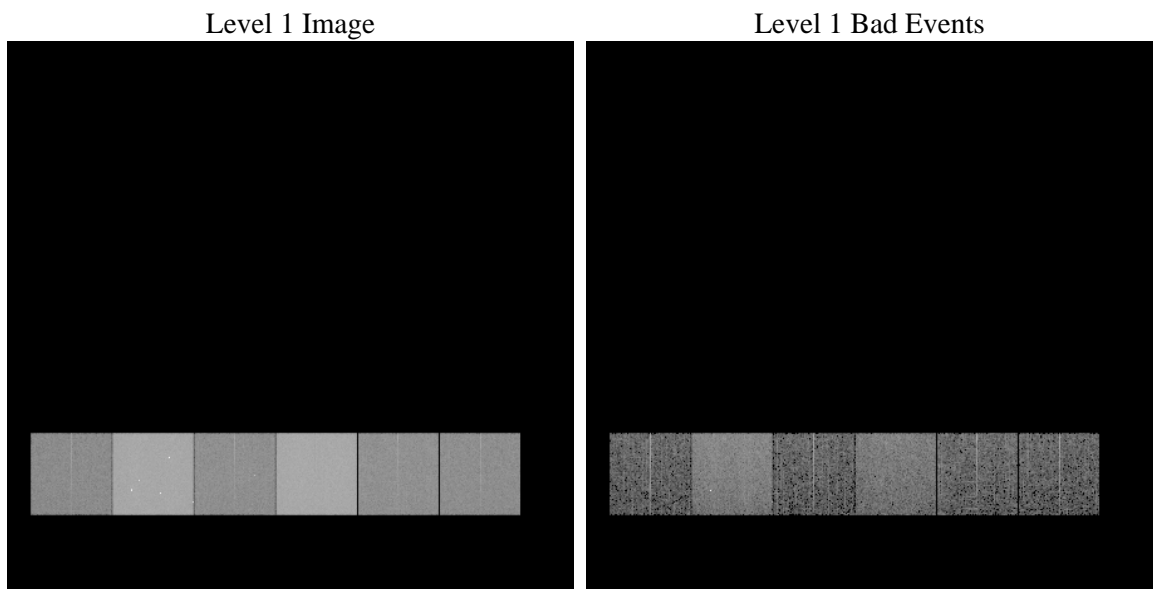
# 1 Front

seq_num	&#160	Sequence number
obs_id	61307	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	181.99537801806	Nominal RA [deg]
dec_nom	-0.97173940912656	Nominal Dec [deg]
roll_nom	66.456727981572	Nominal Roll [deg]
revision	3	Processing version of data
ontime	6468.6981411874	Sum of GTIs [s]
livetime	6386.7875903413	Livetime [s]
ontime4	2313.7432614565	Sum of GTIs [s]
ontime5	6906.2284480333	Sum of GTIs [s]
ontime6	2537.3748315573	Sum of GTIs [s]
ontime7	6468.6981411874	Sum of GTIs [s]
ontime8	2601.7188165784	Sum of GTIs [s]
ontime9	2507.523984924	Sum of GTIs [s]
l2events	1184422	Number of level 2 events

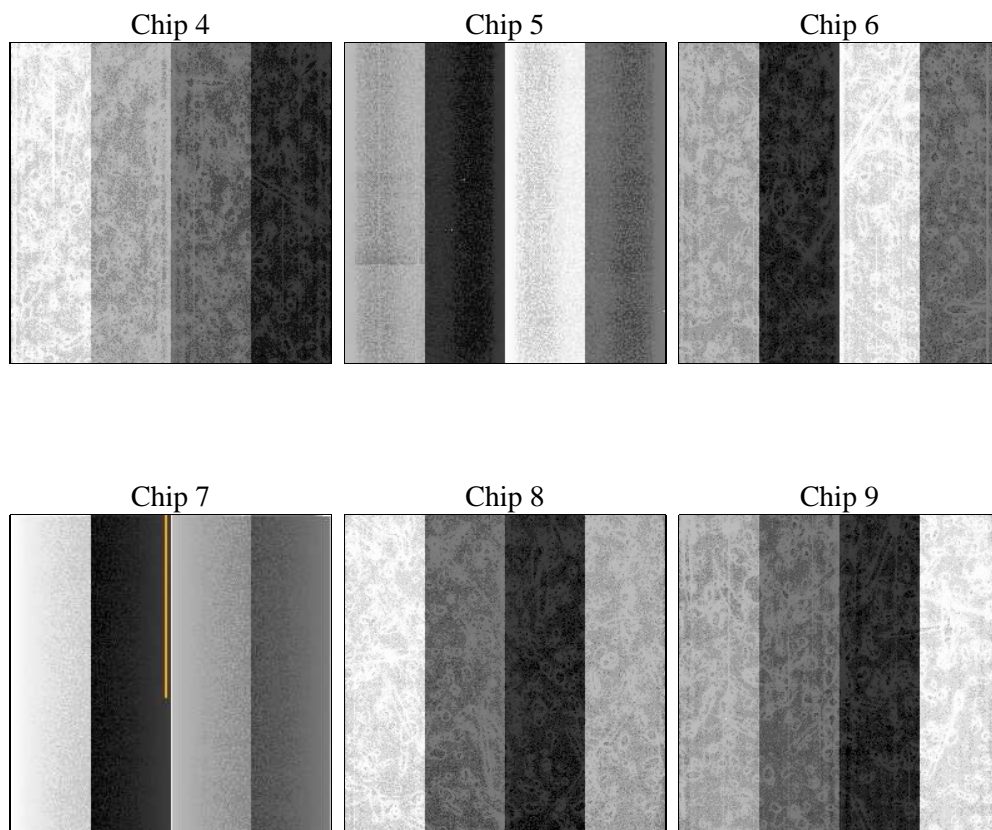
## 2 OBI

### 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	6468.6981411874	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime4	2313.7432614565	Sum of GTIs [s]
date	2012-10-02T16:57:13	Date and time of file creation	ontime5	6906.2284480333	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	2537.3748315573	Sum of GTIs [s]
			ontime7	6468.6981411874	Sum of GTIs [s]
			ontime8	2601.7188165784	Sum of GTIs [s]
			ontime9	2507.523984924	Sum of GTIs [s]
			l1events	1420447	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	140719	392974	162833	397986	170917	155018	grade 0 events	67705	77788	77444	89980	81169	74060
rejected events	20723	52935	21010	37127	23055	20086		48%	19%	47%	22%	47%	47%
rejected %	14%	13%	12%	9%	13%	12%	grade 1 events	395	278	389	255	398	372
								0%	0%	0%	0%	0%	0%
							grade 2 events	21575	128166	24849	79631	26100	23677
								15%	32%	15%	20%	15%	15%
							grade 3 events	7239	19654	8532	36350	9227	8316
								5%	5%	5%	9%	5%	5%
							grade 4 events	7081	19171	8429	36053	9452	8356
								5%	4%	5%	9%	5%	5%
							grade 5 events	1240	9338	1466	7327	1673	1419
								0%	2%	0%	1%	0%	0%
							grade 6 events	16571	95420	22739	119052	21914	20523
								11%	24%	13%	29%	12%	13%
							grade 7 events	18913	43159	18985	29338	20984	18295
								13%	10%	11%	7%	12%	11%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	181.9953780180605	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-0.9717394091265592	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	66.45672798157192			
[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)	130218843.153	130218842.38497			
Observation start date	2002-02-16T03:54:03	2002-02-16T03:54:02			
[s] Observation end time (MET)	130246831.805	130246831.03609			
Observation end date	2002-02-16T11:40:32	2002-02-16T11:40:31			
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)	2012.10.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.4686981411874

### **A.2 Comments**