

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56992 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 10 2012

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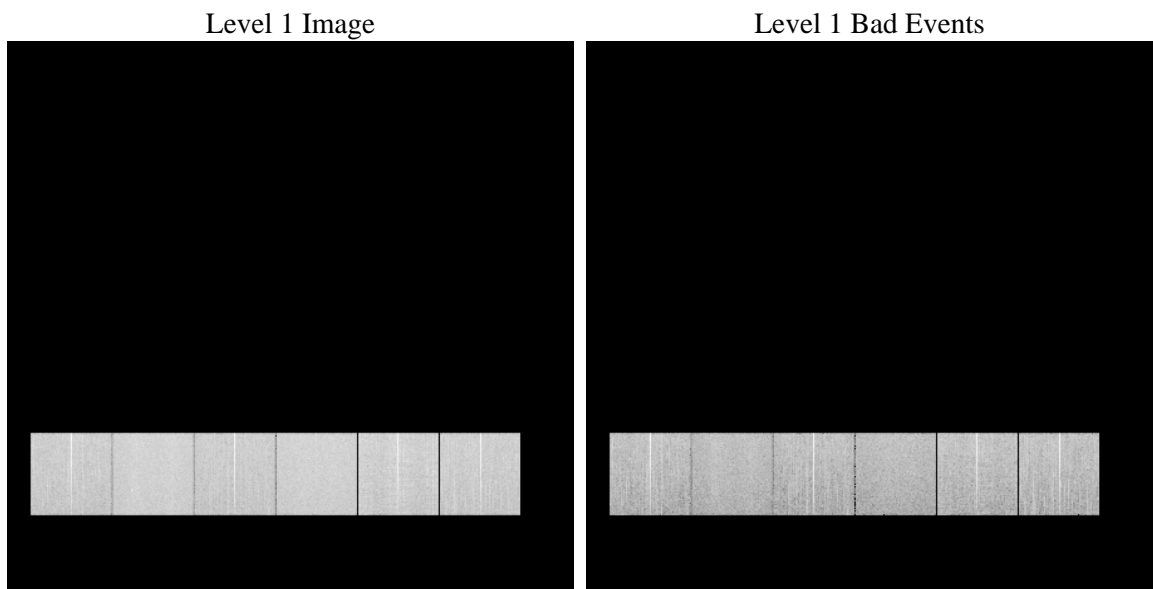
# 1 Front

seq_num	&#160	Sequence number
obs_id	56992	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtycle	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	304.50231996048	Nominal RA [deg]
dec_nom	-39.471309912553	Nominal Dec [deg]
roll_nom	53.556617382309	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8396.7999687791	Sum of GTIs [s]
livetime	8290.4746316285	Livetime [s]
ontime4	8396.7999687791	Sum of GTIs [s]
ontime5	8396.7999687791	Sum of GTIs [s]
ontime6	8396.7999687791	Sum of GTIs [s]
ontime7	8396.7999687791	Sum of GTIs [s]
ontime8	8396.7999687791	Sum of GTIs [s]
ontime9	8393.5589684844	Sum of GTIs [s]
l2events	525300	Number of level 2 events

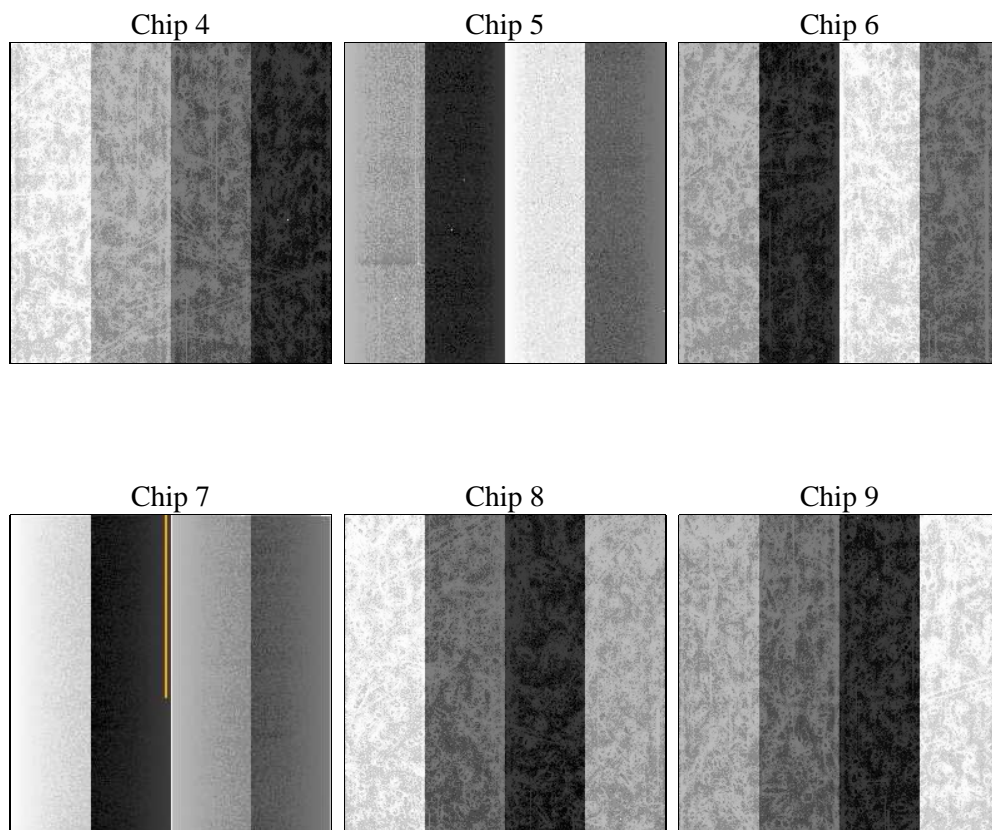
## 2 OBI

### 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	8396.7999687791	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime4	8396.7999687791	Sum of GTIs [s]
date	2012-06-09T23:20:19	Date and time of file creation	ontime5	8396.7999687791	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8396.7999687791	Sum of GTIs [s]
			ontime7	8396.7999687791	Sum of GTIs [s]
			ontime8	8396.7999687791	Sum of GTIs [s]
			ontime9	8393.5589684844	Sum of GTIs [s]
			l1events	1085615	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	168249	196835	165225	192899	190399	172008	grade 0 events	44277	13207	41656	20911	47940	42973
rejected events	91202	80245	83806	75187	92835	92008		26%	6%	25%	10%	25%	24%
rejected %	54%	40%	50%	38%	48%	53%	grade 1 events	498	221	262	182	311	316
								0%	0%	0%	0%	0%	0%
							grade 2 events	11789	44538	15755	26343	18499	13994
								7%	22%	9%	13%	9%	8%
							grade 3 events	5627	4483	5122	10385	6953	5363
								3%	2%	3%	5%	3%	3%
							grade 4 events	5492	4348	5147	10480	6884	5242
								3%	2%	3%	5%	3%	3%
							grade 5 events	4350	9608	4455	11289	5876	5111
								2%	4%	2%	5%	3%	2%
							grade 6 events	10345	50651	14210	50279	17918	12857
								6%	25%	8%	26%	9%	7%
							grade 7 events	85871	69779	78618	63030	86018	86152
								51%	35%	47%	32%	45%	50%

## 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	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	304.5023199604784	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-39.4713099125526	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	53.55661738230877	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.7809083437167272			
[mm] SIM defocus	0.1037507710433287	0.7524282956875696			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	363069468.613954	363069467.58896			
Observation start date	2009-07-04T04:37:49	2009-07-04T04:37:47			
[s] Observation end time (MET)	363081233.564542	363081232.53955			
Observation end date	2009-07-04T07:53:54	2009-07-04T07:53:52			
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)	2012.06.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.3967999687791

### A.2 Comments