

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 60844 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 23 2012

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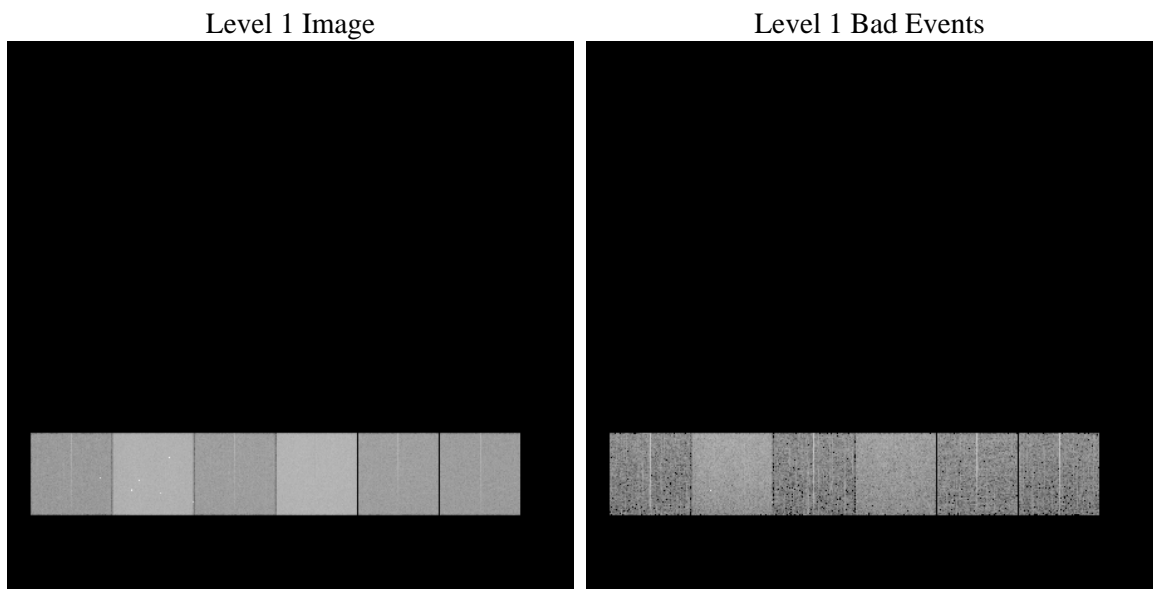
# 1 Front

seq_num	&#160	Sequence number
obs_id	60844	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	125.00035477594	Nominal RA [deg]
dec_nom	29.971372384355	Nominal Dec [deg]
roll_nom	237.68733458	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8463.9999684691	Sum of GTIs [s]
livetime	8356.8237044595	Livetime [s]
ontime4	3477.416405797	Sum of GTIs [s]
ontime5	8463.9999684691	Sum of GTIs [s]
ontime6	3817.682015121	Sum of GTIs [s]
ontime7	8463.9999684691	Sum of GTIs [s]
ontime8	3872.8604902029	Sum of GTIs [s]
ontime9	3739.7744831741	Sum of GTIs [s]
l2events	1272761	Number of level 2 events

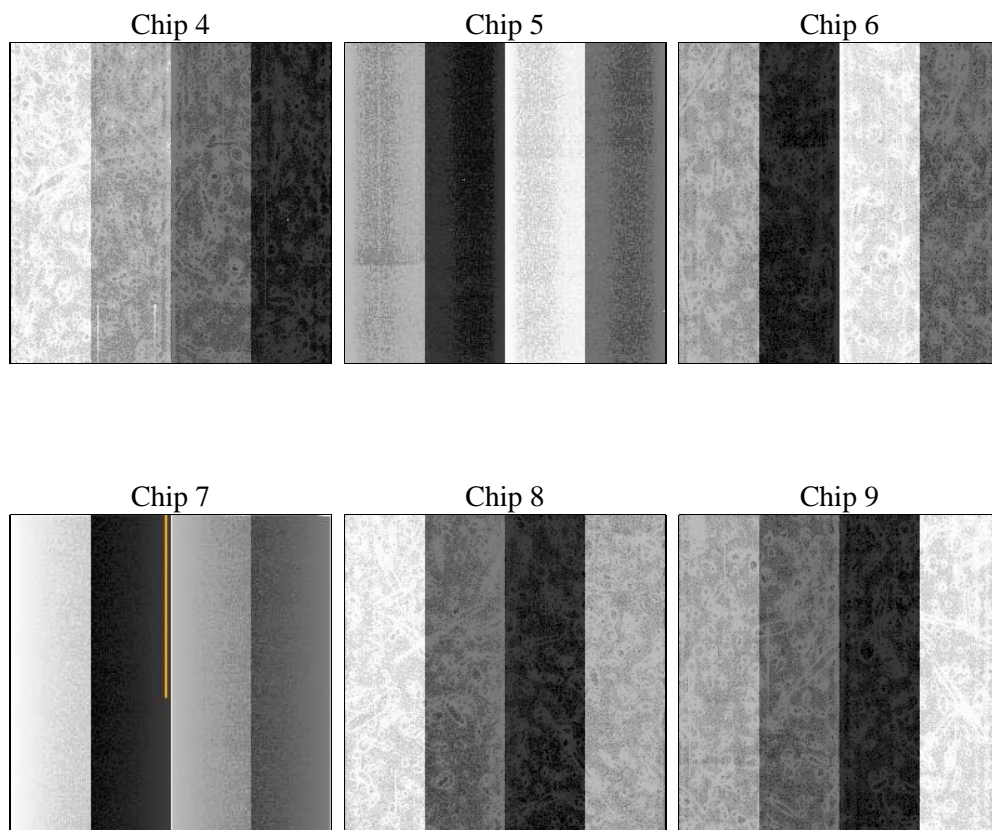
## 2 OBI

### 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	8463.9999684691	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime4	3477.416405797	Sum of GTIs [s]
date	2012-10-23T06:30:09	Date and time of file creation	ontime5	8463.9999684691	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	3817.682015121	Sum of GTIs [s]
			ontime7	8463.9999684691	Sum of GTIs [s]
			ontime8	3872.8604902029	Sum of GTIs [s]
			ontime9	3739.7744831741	Sum of GTIs [s]
			l1events	1542921	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	166804	384291	193597	416505	198966	182758	grade 0 events	81646	77431	90684	92817	93557	86852
rejected events	26112	56437	26770	44452	29179	25718		48%	20%	46%	22%	47%	47%
rejected %	15%	14%	13%	10%	14%	14%	grade 1 events	589	310	436	245	465	470
								0%	0%	0%	0%	0%	0%
							grade 2 events	22409	117534	29055	82081	29608	27155
								13%	30%	15%	19%	14%	14%
							grade 3 events	9292	20322	10396	37382	10900	10028
								5%	5%	5%	8%	5%	5%
							grade 4 events	9357	20033	10367	37229	11004	10002
								5%	5%	5%	8%	5%	5%
							grade 5 events	1736	9942	1876	8566	2199	1935
								1%	2%	0%	2%	1%	1%
							grade 6 events	17988	92534	26325	122544	24718	23003
								10%	24%	13%	29%	12%	12%
							grade 7 events	23787	46185	24458	35641	26515	23313
								14%	12%	12%	8%	13%	12%

## 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	125.0003547759352	Alternating exposures requested	N	N
[deg] Pointing Dec	0	29.97137238435502	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	237.6873345799967			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	161792309.210698	161792308.18598			
Observation start date	2003-02-16T14:18:29	2003-02-16T14:18:28			
[s] Observation end time (MET)	161803346.411162	161803345.38644			
Observation end date	2003-02-16T17:22:26	2003-02-16T17:22:25			
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)	2012.11.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4639999684691

### A.2 Comments