

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61391 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Sep 29 2012

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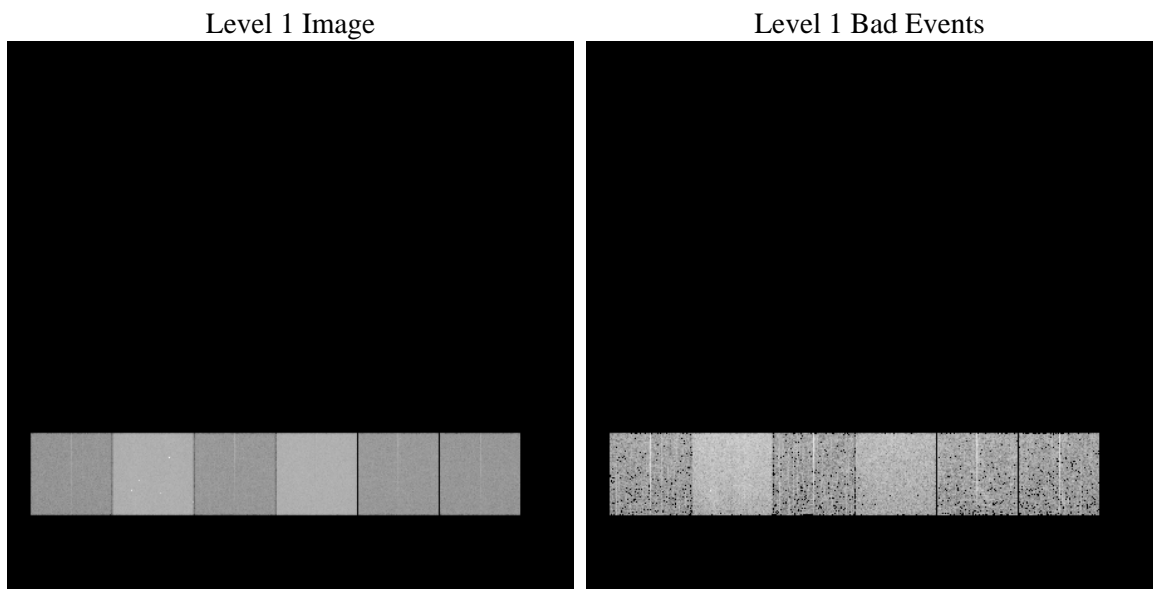
# 1 Front

seq_num	&#160	Sequence number
obs_id	61391	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	345.0395691962	Nominal RA [deg]
dec_nom	-60.020684254992	Nominal Dec [deg]
roll_nom	280.99774535092	Nominal Roll [deg]
revision	3	Processing version of data
ontime	6130.8454701453	Sum of GTIs [s]
livetime	6053.2130132504	Livetime [s]
ontime4	2352.9924722165	Sum of GTIs [s]
ontime5	6578.056097731	Sum of GTIs [s]
ontime6	2518.2856613398	Sum of GTIs [s]
ontime7	6130.8454701453	Sum of GTIs [s]
ontime8	2576.6239824146	Sum of GTIs [s]
ontime9	2472.9110217243	Sum of GTIs [s]
l2events	1214214	Number of level 2 events

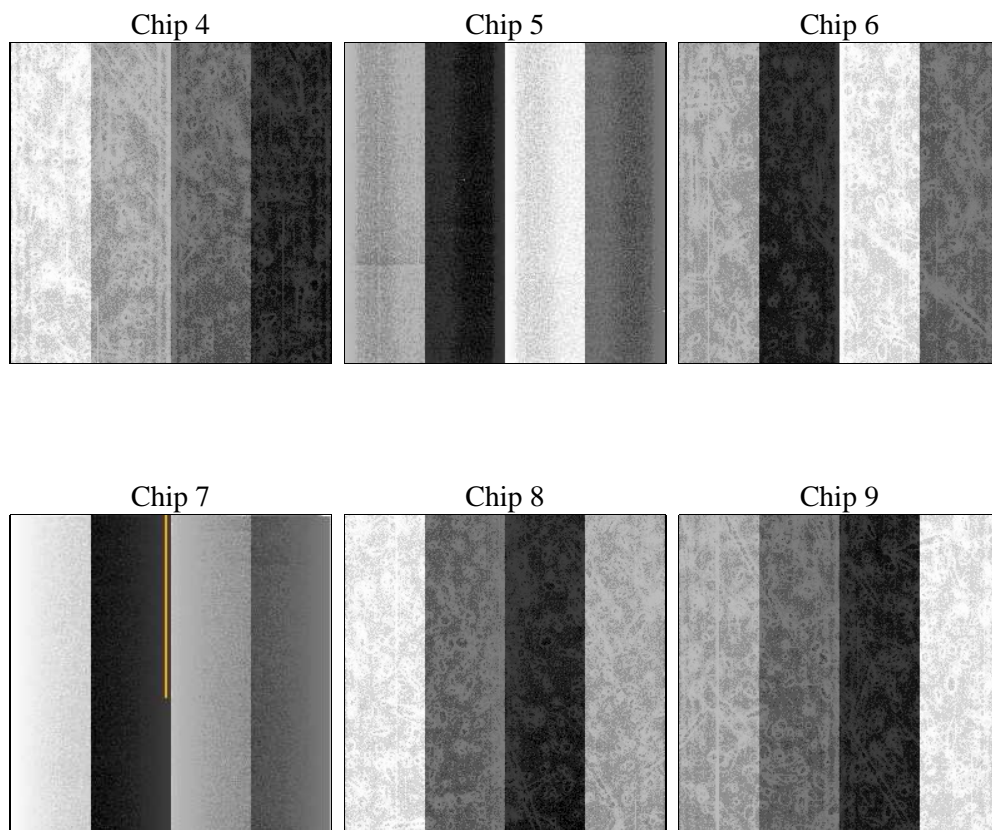
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	6130.8454701453	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime4	2352.9924722165	Sum of GTIs [s]
date	2012-09-29T02:28:22	Date and time of file creation	ontime5	6578.056097731	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	2518.2856613398	Sum of GTIs [s]
			ontime7	6130.8454701453	Sum of GTIs [s]
			ontime8	2576.6239824146	Sum of GTIs [s]
			ontime9	2472.9110217243	Sum of GTIs [s]
			l1events	1423853	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	147894	384177	167823	390820	173653	159486	grade 0 events	72849	86635	81236	90983	83740	77170
rejected events	18948	44852	19272	32303	21485	18444		49%	22%	48%	23%	48%	48%
rejected %	12%	11%	11%	8%	12%	11%	grade 1 events	379	374	379	245	405	354
								0%	0%	0%	0%	0%	0%
							grade 2 events	22871	117309	25783	79553	26619	25284
								15%	30%	15%	20%	15%	15%
							grade 3 events	7964	22590	9102	36392	9700	8897
								5%	5%	5%	9%	5%	5%
							grade 4 events	7949	22503	9227	36291	9683	8654
								5%	5%	5%	9%	5%	5%
							grade 5 events	1242	8509	1334	6622	1621	1397
								0%	2%	0%	1%	0%	0%
							grade 6 events	17313	90288	23203	115298	22426	21037
								11%	23%	13%	29%	12%	13%
							grade 7 events	17327	35969	17559	25436	19459	16693
								11%	9%	10%	6%	11%	10%

## 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	345.0395691961971	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-60.02068425499192	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	280.9977453509165			
[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)	124275347.614	124275346.84598			
Observation start date	2001-12-09T08:55:48	2001-12-09T08:55:46			
[s] Observation end time (MET)	124310578.916	124310578.14738			
Observation end date	2001-12-09T18:42:59	2001-12-09T18:42:58			
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)	2012.10.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.1308454701453

### A.2 Comments