

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 60792 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 26 2012

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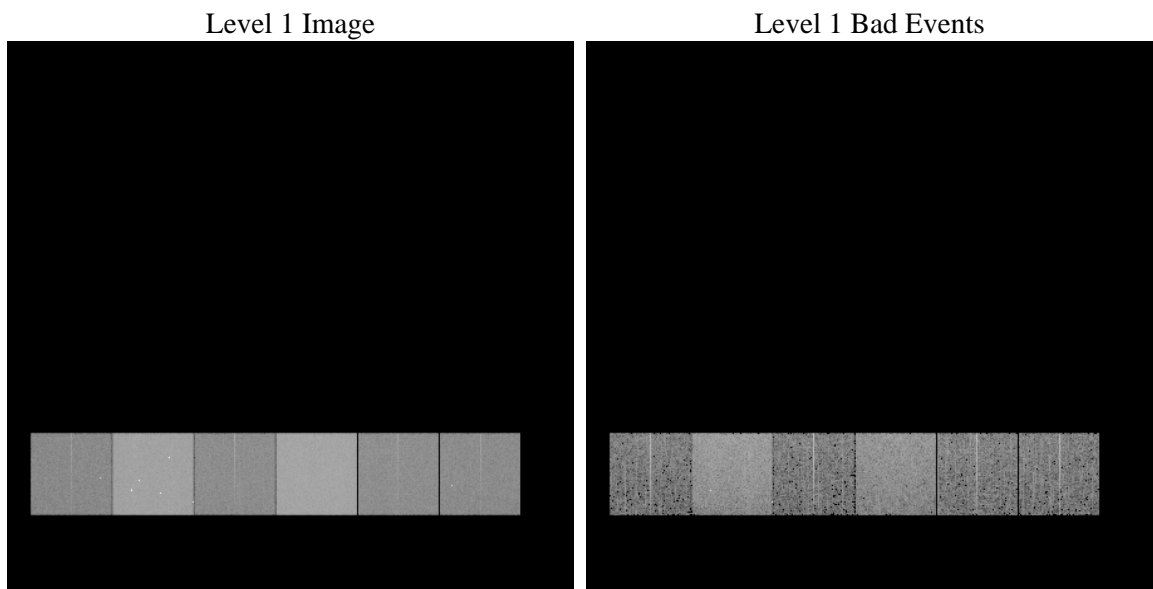
# 1 Front

seq_num	&#160	Sequence number
obs_id	60792	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	269.9831336227	Nominal RA [deg]
dec_nom	-14.976450171517	Nominal Dec [deg]
roll_nom	91.825139494473	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7788.5700594485	Sum of GTIs [s]
livetime	7689.9464956419	Livetime [s]
ontime4	2936.3783886433	Sum of GTIs [s]
ontime5	7785.2880491614	Sum of GTIs [s]
ontime6	3251.1109242439	Sum of GTIs [s]
ontime7	7788.5700594485	Sum of GTIs [s]
ontime8	3302.6137868464	Sum of GTIs [s]
ontime9	3163.2498036921	Sum of GTIs [s]
l2events	1166059	Number of level 2 events

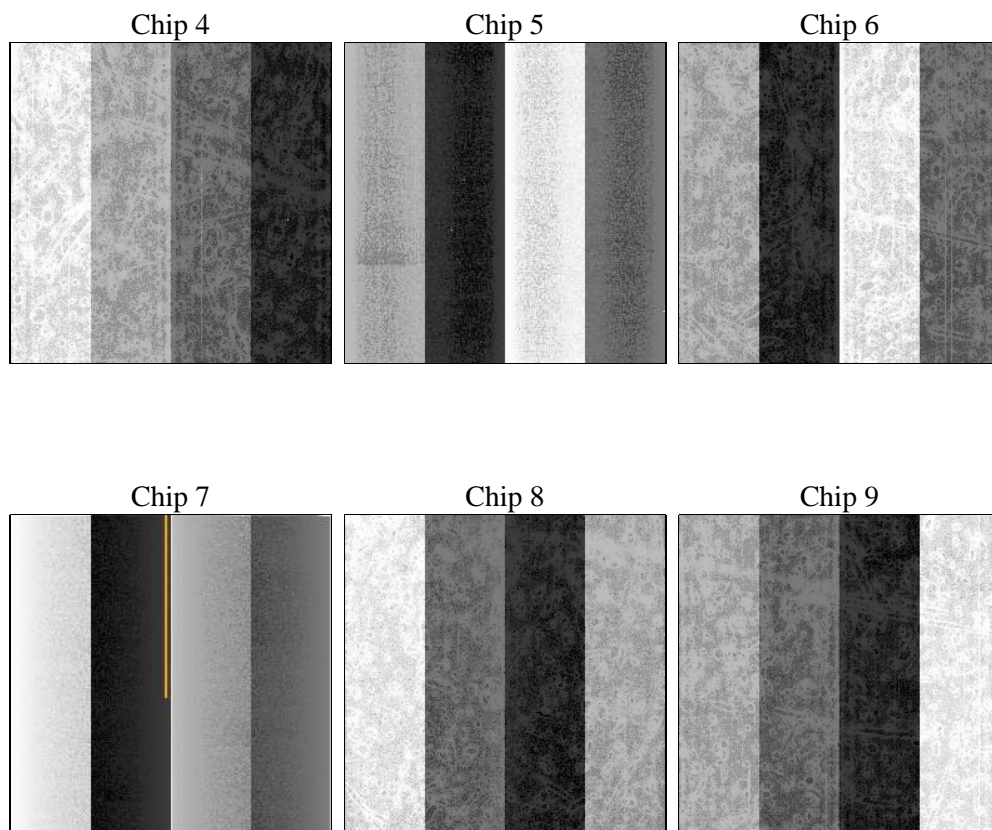
## 2 OBI

### 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	7788.5700594485	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime4	2936.3783886433	Sum of GTIs [s]
date	2012-10-26T01:31:58	Date and time of file creation	ontime5	7785.2880491614	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	3251.1109242439	Sum of GTIs [s]
			ontime7	7788.5700594485	Sum of GTIs [s]
			ontime8	3302.6137868464	Sum of GTIs [s]
			ontime9	3163.2498036921	Sum of GTIs [s]
			l1events	1425251	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	148318	369286	171251	394690	178998	162708	grade 0 events	71947	72550	79511	87660	83182	76188
rejected events	24159	54570	24363	43150	26807	24872		48%	19%	46%	22%	46%	46%
rejected %	16%	14%	14%	10%	14%	15%	grade 1 events	587	698	421	248	469	537
								0%	0%	0%	0%	0%	0%
							grade 2 events	19187	117795	25177	77007	26165	22927
								12%	31%	14%	19%	14%	14%
							grade 3 events	8304	17635	9143	35119	9544	8560
								5%	4%	5%	8%	5%	5%
							grade 4 events	8232	17495	9053	34461	9678	8787
								5%	4%	5%	8%	5%	5%
							grade 5 events	1507	9113	1757	8089	1991	1671
								1%	2%	1%	2%	1%	1%
							grade 6 events	16489	89388	24150	117435	23622	21374
								11%	24%	14%	29%	13%	13%
							grade 7 events	22065	44612	22039	34671	24347	22664
								14%	12%	12%	8%	13%	13%

## 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	269.9831336226972	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-14.97645017151723	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	91.82513949447267			
[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)	165632471.872358	165632470.84764			
Observation start date	2003-04-02T01:01:12	2003-04-02T01:01:10			
[s] Observation end time (MET)	165642816.172794	165642815.14808			
Observation end date	2003-04-02T03:53:36	2003-04-02T03:53:35			
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)	2012.12.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7885700594485

### A.2 Comments