

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57631 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 19 2012

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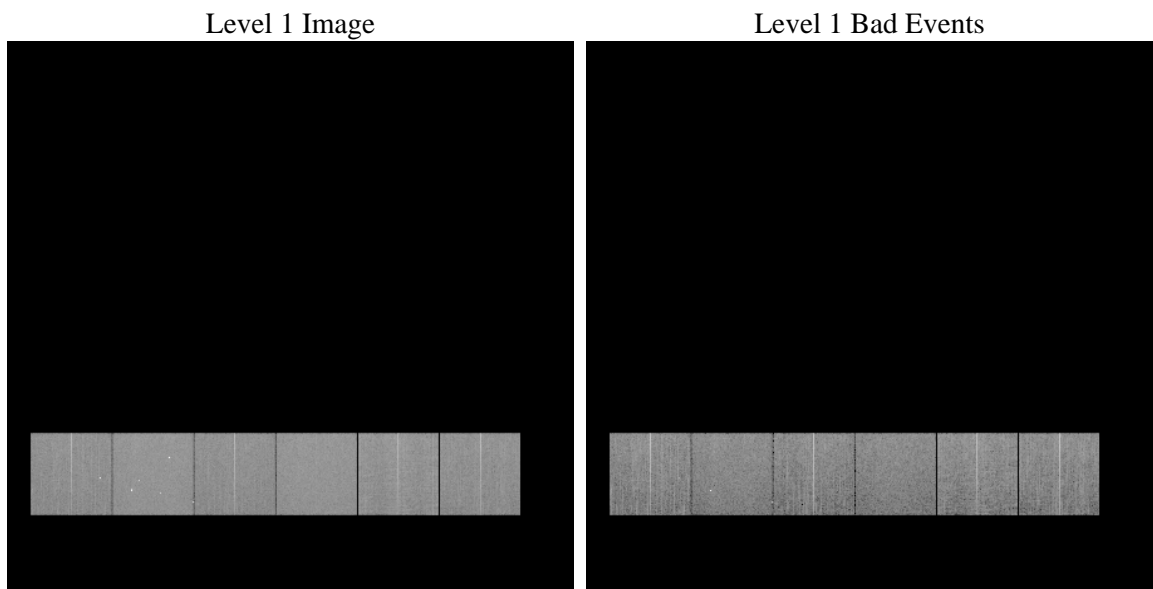
# 1 Front

seq_num	&#160	Sequence number
obs_id	57631	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	334.03318907871	Nominal RA [deg]
dec_nom	-38.987379892327	Nominal Dec [deg]
roll_nom	353.21197812706	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8271.999969244	Sum of GTIs [s]
livetime	8167.254924833	Livetime [s]
ontime4	8271.999969244	Sum of GTIs [s]
ontime5	8271.999969244	Sum of GTIs [s]
ontime6	8271.999969244	Sum of GTIs [s]
ontime7	8271.999969244	Sum of GTIs [s]
ontime8	8271.999969244	Sum of GTIs [s]
ontime9	8271.999969244	Sum of GTIs [s]
l2events	596447	Number of level 2 events

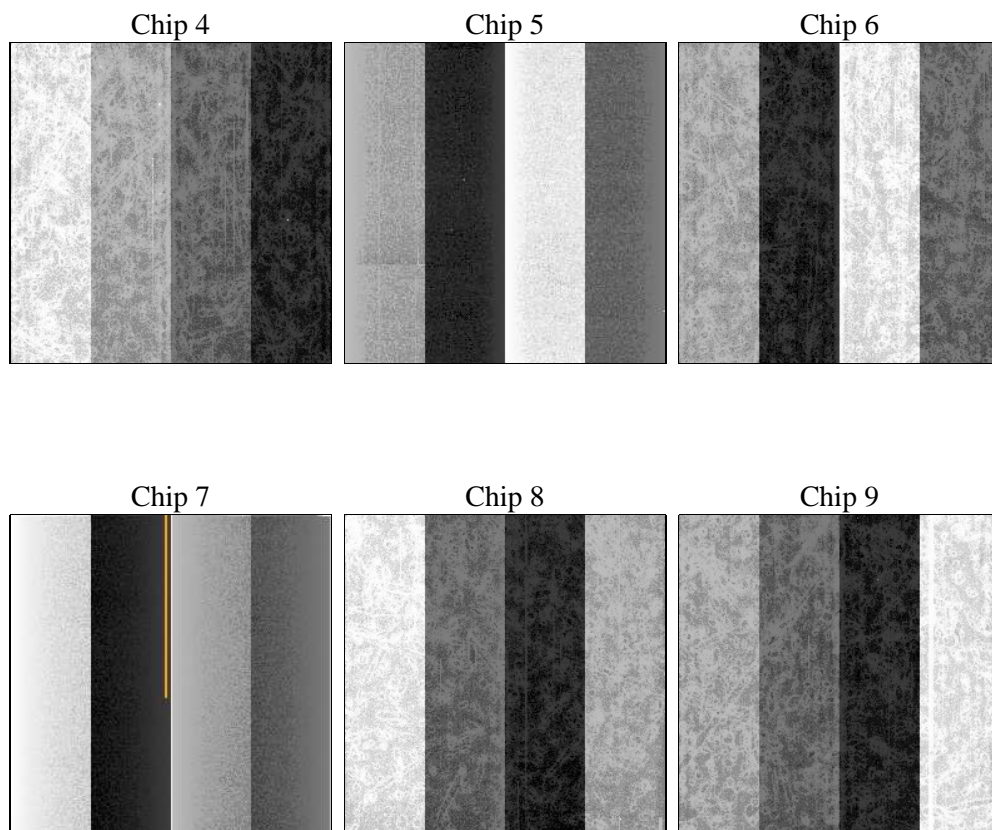
## 2 OBI

### 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	8.4.4	Processing system revision	ontime	8271.999969244	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	8271.999969244	Sum of GTIs [s]
date	2012-05-20T01:18:42	Date and time of file creation	ontime5	8271.999969244	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8271.999969244	Sum of GTIs [s]
			ontime7	8271.999969244	Sum of GTIs [s]
			ontime8	8271.999969244	Sum of GTIs [s]
			ontime9	8271.999969244	Sum of GTIs [s]
			l1events	1113295	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	172999	203981	170922	197577	193551	174265	grade 0 events	52542	22567	50845	25227	54654	50092
rejected events	81529	74341	75082	68440	84707	80810		30%	11%	29%	12%	28%	28%
rejected %	47%	36%	43%	34%	43%	46%	grade 1 events	508	375	296	165	373	415
								0%	0%	0%	0%	0%	0%
							grade 2 events	14600	45809	16995	28228	20171	16357
								8%	22%	9%	14%	10%	9%
							grade 3 events	6346	6295	6213	12221	7687	6137
								3%	3%	3%	6%	3%	3%
							grade 4 events	6296	5974	6063	11876	7555	6360
								3%	2%	3%	6%	3%	3%
							grade 5 events	4309	10263	4284	11111	5721	4937
								2%	5%	2%	5%	2%	2%
							grade 6 events	11717	49047	15753	51637	18822	14545
								6%	24%	9%	26%	9%	8%
							grade 7 events	76681	63651	70473	57112	78568	75422
								44%	31%	41%	28%	40%	43%

## 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	334.0331890787097	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-38.9873798923269	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	353.2119781270598	[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)	336329115.588902	336329114.56391			
Observation start date	2008-08-28T16:45:16	2008-08-28T16:45:14			
[s] Observation end time (MET)	336351321.189992	336351320.165			
Observation end date	2008-08-28T22:55:21	2008-08-28T22:55:20			
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)	2012.05.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.271999969244

### A.2 Comments