

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 62167 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Aug 22 2012

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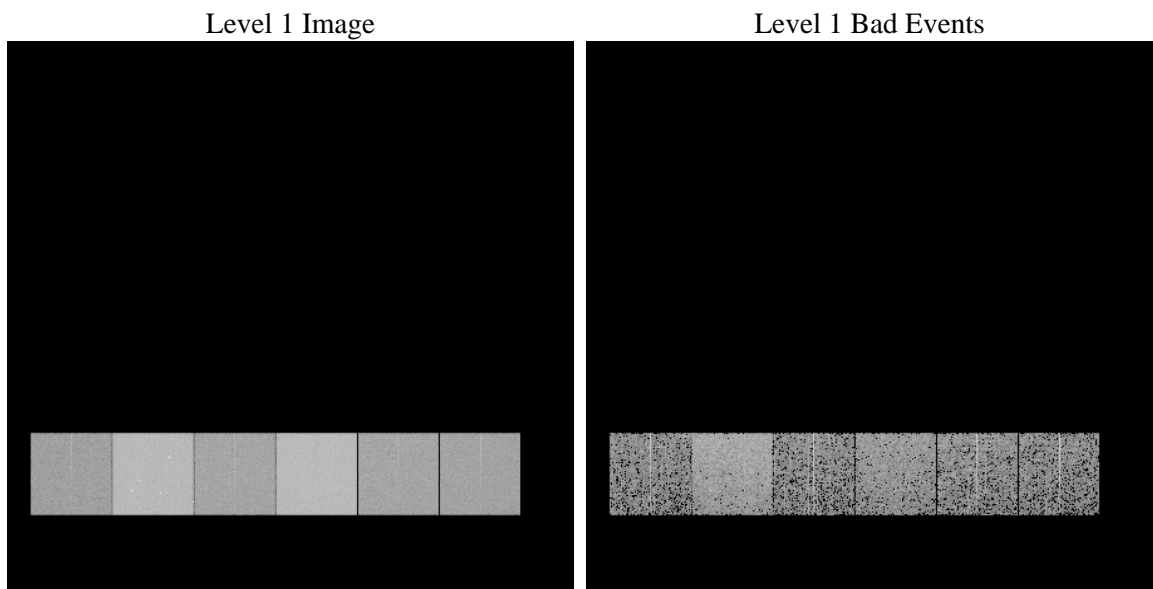
# 1 Front

seq_num	&#160	Sequence number
obs_id	62167	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	108.03079328245	Nominal RA [deg]
dec_nom	-25.008453249574	Nominal Dec [deg]
roll_nom	310.30892504816	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2897.7332021594	Sum of GTIs [s]
livetime	2861.0403595482	Livetime [s]
ontime4	1163.5321255103	Sum of GTIs [s]
ontime5	3108.3977904096	Sum of GTIs [s]
ontime6	1315.8461425602	Sum of GTIs [s]
ontime7	2897.7332021594	Sum of GTIs [s]
ontime8	1312.6197264344	Sum of GTIs [s]
ontime9	1267.1074224636	Sum of GTIs [s]
l2events	930290	Number of level 2 events

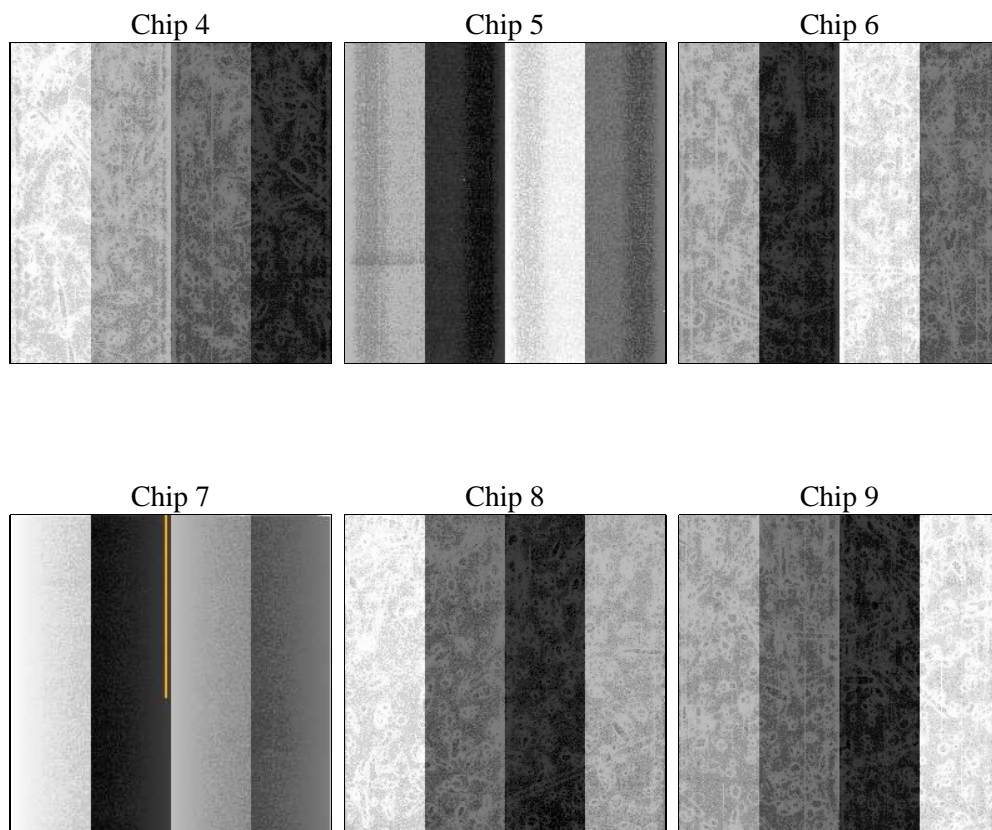
## 2 OBI

### 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	2897.7332021594	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime4	1163.5321255103	Sum of GTIs [s]
date	2012-08-22T19:10:59	Date and time of file creation	ontime5	3108.3977904096	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	1315.8461425602	Sum of GTIs [s]
			ontime7	2897.7332021594	Sum of GTIs [s]
			ontime8	1312.6197264344	Sum of GTIs [s]
			ontime9	1267.1074224636	Sum of GTIs [s]
			l1events	1063933	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	112090	274429	134711	283228	135375	124100	grade 0 events	56313	65180	66536	69080	66835	61356
rejected events	12531	25537	12835	16466	13889	11924		50%	23%	49%	24%	49%	49%
rejected %	11%	9%	9%	5%	10%	9%	grade 1 events	327	379	377	188	378	368
								0%	0%	0%	0%	0%	0%
							grade 2 events	17581	85831	21225	59699	21436	19817
								15%	31%	15%	21%	15%	15%
							grade 3 events	5989	16783	7508	27315	7787	7045
								5%	6%	5%	9%	5%	5%
							grade 4 events	6238	16639	7657	27330	7607	6993
								5%	6%	5%	9%	5%	5%
							grade 5 events	886	5389	1008	3779	1062	972
								0%	1%	0%	1%	0%	0%
							grade 6 events	13438	64697	18950	83619	17821	16965
								11%	23%	14%	29%	13%	13%
							grade 7 events	11318	19531	11450	12218	12449	10584
								10%	7%	8%	4%	9%	8%

## 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	108.030793282452	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-25.00845324957407	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	310.3089250481617			
[mm] SIM focus pos	-0.684267	-1.428180813131781			
[mm] SIM defocus	0	0.1051558262725154			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	66931277.569167	66931276.800696			
Observation start date	2000-02-14T16:01:18	2000-02-14T16:01:16			
[s] Observation end time (MET)	66973538.320708	66973537.552238			
Observation end date	2000-02-15T03:45:38	2000-02-15T03:45:37			
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)	2012.08.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.8977332021594

### A.2 Comments