

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57968 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : May 9 2012

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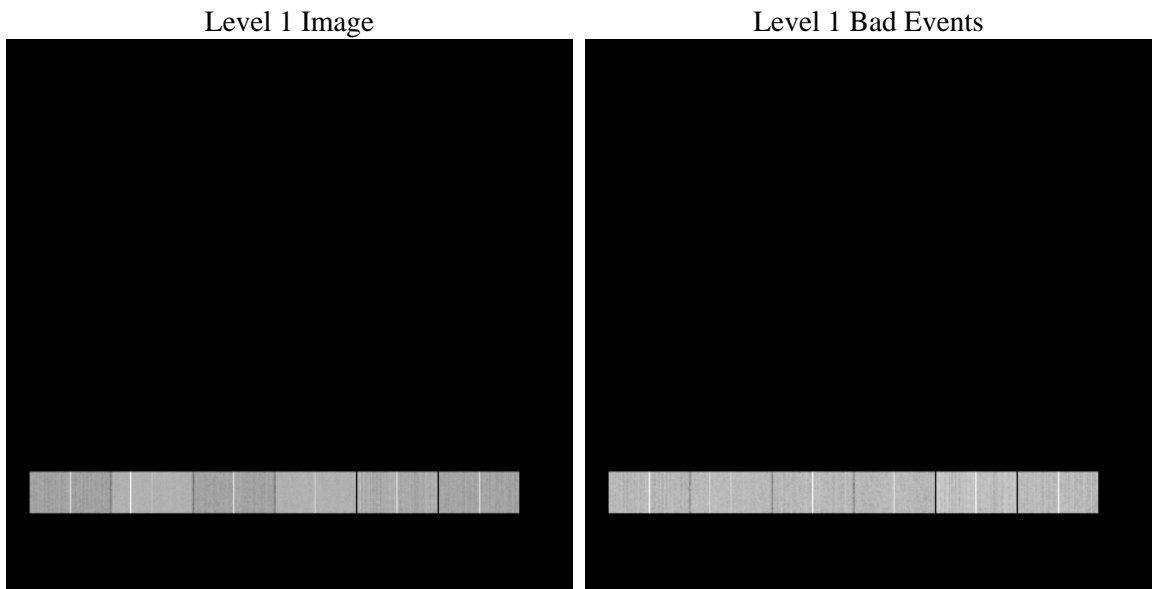
# 1 Front

seq_num	&#160	Sequence number
obs_id	57968	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	129.89681544626	Nominal RA [deg]
dec_nom	35.934875396412	Nominal Dec [deg]
roll_nom	215.91017843667	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8304.25	Sum of GTIs [s]
livetime	8271.8115234375	Livetime [s]
ontime4	4318.5907833576	Sum of GTIs [s]
ontime5	8304.25	Sum of GTIs [s]
ontime6	4649.0001131296	Sum of GTIs [s]
ontime7	8304.25	Sum of GTIs [s]
ontime8	4718.4073209167	Sum of GTIs [s]
ontime9	4667.3363834023	Sum of GTIs [s]
l2events	382448	Number of level 2 events

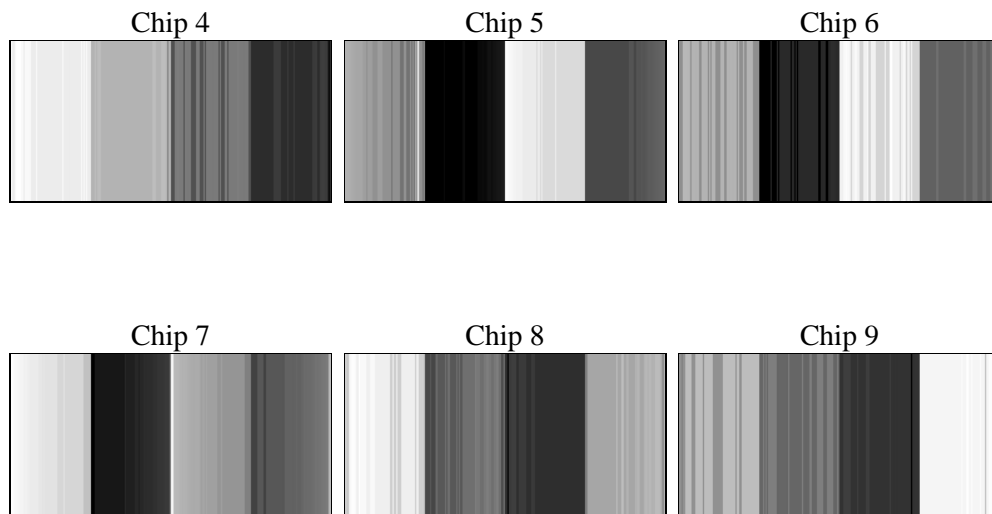
## 2 OBI

### 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	8.4.4	Processing system revision	ontime	8304.25	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime4	4318.5907833576	Sum of GTIs [s]
date	2012-05-09T19:20:43	Date and time of file creation	ontime5	8304.25	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	4649.0001131296	Sum of GTIs [s]
			ontime7	8304.25	Sum of GTIs [s]
			ontime8	4718.4073209167	Sum of GTIs [s]
			ontime9	4667.3363834023	Sum of GTIs [s]
			l1events	1448711	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	181463	347051	190567	284194	248057	197379	grade 0 events	5714	52414	5577	22079	10539	6228
rejected events	153837	150844	157434	142577	209148	164932		3%	15%	2%	7%	4%	3%
rejected %	84%	43%	82%	50%	84%	83%	grade 1 events	80	172	58	164	111	67
								0%	0%	0%	0%	0%	0%
							grade 2 events	32826	78956	36630	43168	38440	35354
								18%	22%	19%	15%	15%	17%
							grade 3 events	1569	3419	1398	9678	2657	1538
								0%	0%	0%	3%	1%	0%
							grade 4 events	1507	3194	1474	9648	2580	1622
								0%	0%	0%	3%	1%	0%
							grade 5 events	2230	9353	2439	11015	3236	2471
								1%	2%	1%	3%	1%	1%
							grade 6 events	10416	60491	13040	58542	15431	12475
								5%	17%	6%	20%	6%	6%
							grade 7 events	127121	139052	129951	129900	175063	137624
								70%	40%	68%	45%	70%	69%

## 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	OVERRIDE	OVERRIDE
Data mode	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	129.8968151615042	129.8968154462594	Subarray requested	NONE	NONE
[deg] Pointing Dec	35.93487707352487	35.93487539641233	Alternating exposures requested	N	N
[deg] Pointing Roll	215.910173984943	215.9101784366687	[s] Primary exposure time	0	0
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119			
[mm] SIM defocus	0.8505140384245534	0.8505140384245534			
[mm] SIM translation stage pos	250.4660330802	250.4660330802			
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584			
[s] Observation start time (MET)	319188854.342634	319188854.342634			
Observation start date	2008-02-12T07:57:00	2008-02-12T07:34:14			
[s] Observation end time (MET)	319218088.147574	319218088.147574			
Observation end date	2008-02-12T07:57:00	2008-02-12T15:41:28			
Read mode	CONTINUOUS	CONTINUOUS			

**2.3 Star Slots**

**2.4 FID Slots**

# A Summary

## A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.05.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.30425

## A.2 Comments