

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58396 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 24 2012

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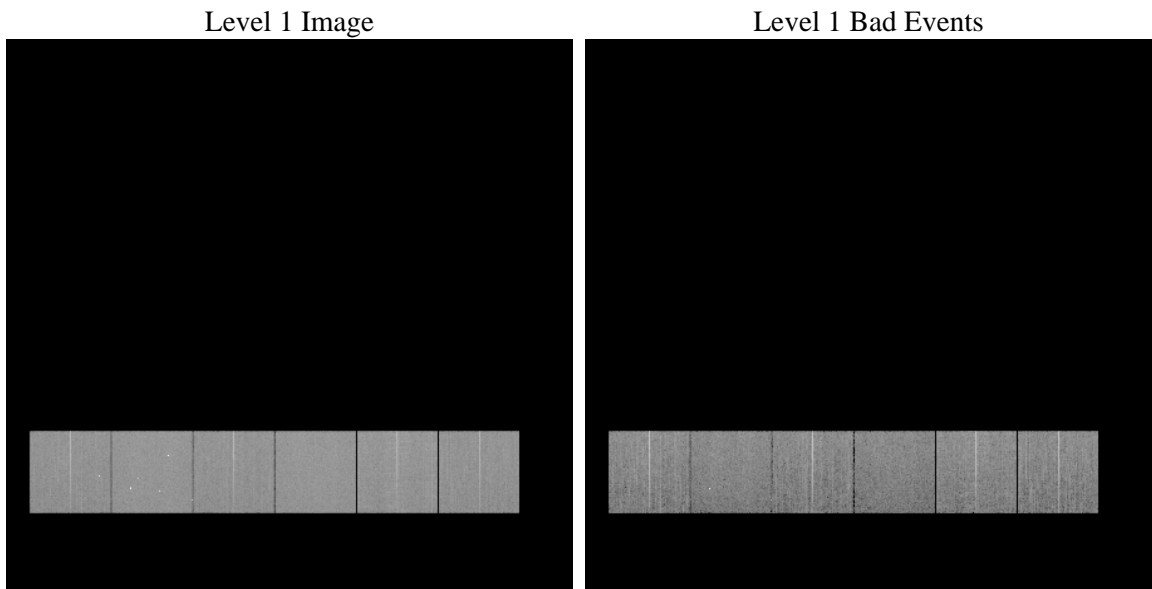
# 1 Front

seq_num	&#160	Sequence number
obs_id	58396	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	255.0020626741	Nominal RA [deg]
dec_nom	-38.971322285588	Nominal Dec [deg]
roll_nom	53.890743166247	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	769805	Number of level 2 events

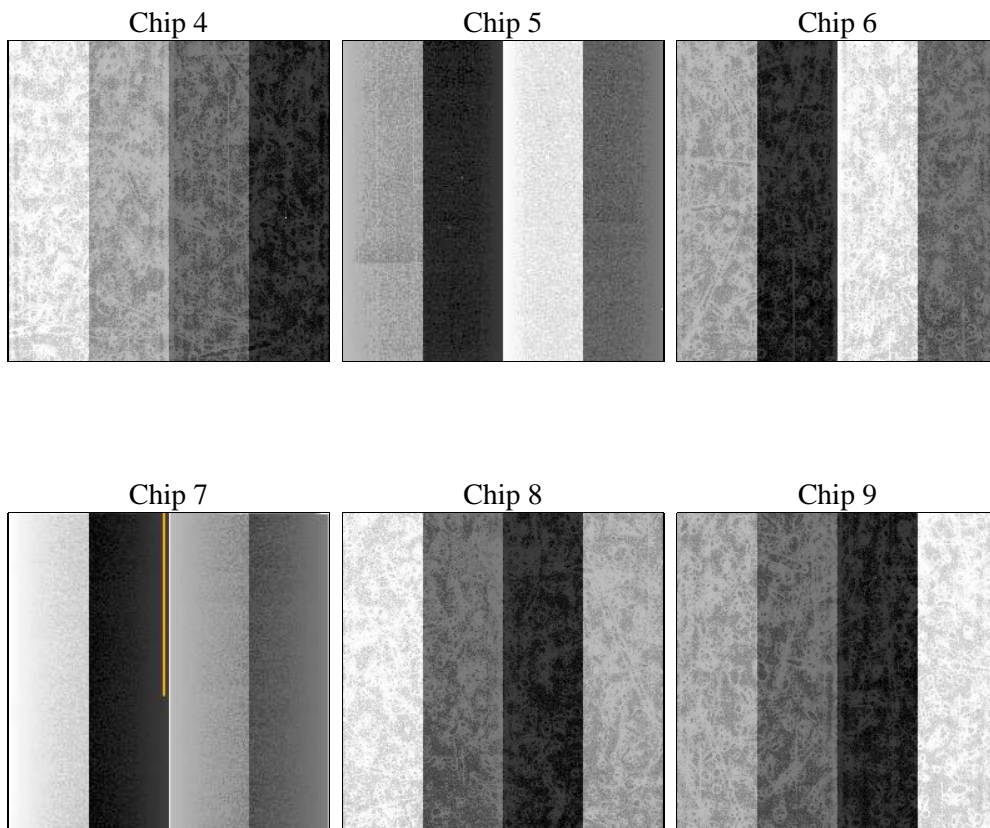
## 2 OBI

### 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	8271.999969244	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	8271.999969244	Sum of GTIs [s]
date	2012-04-24T22:34:16	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	1293727	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	205284	227299	206141	224425	226366	204212	grade 0 events	70247	29228	68844	33842	73450	67863
rejected events	83415	72694	77267	64960	84107	79151		34%	12%	33%	15%	32%	33%
rejected %	40%	31%	37%	28%	37%	38%	grade 1 events	685	278	421	181	473	534
								0%	0%	0%	0%	0%	0%
							grade 2 events	19512	55021	22502	34666	26112	21697
								9%	24%	10%	15%	11%	10%
							grade 3 events	8225	7738	8321	15537	9809	8044
								4%	3%	4%	6%	4%	3%
							grade 4 events	8062	7565	8354	15194	9667	8244
								3%	3%	4%	6%	4%	4%
							grade 5 events	4211	10690	4419	10910	5666	4947
								2%	4%	2%	4%	2%	2%
							grade 6 events	15823	55053	20853	60226	23221	19213
								7%	24%	10%	26%	10%	9%
							grade 7 events	78519	61726	72427	53869	77968	73670
								38%	27%	35%	24%	34%	36%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	255.0020626740989
[deg] Pointing Dec	0	-38.9713222855881
[deg] Pointing Roll	0.0	53.89074316624678
[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)	295434633.998996	295434632.974
Observation start date	2007-05-13T09:10:34	2007-05-13T09:10:32
[s] Observation end time (MET)	295457885.100106	295457884.07511
Observation end date	2007-05-13T15:38:05	2007-05-13T15:38:04
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.04.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.271999969244

### A.2 Comments