

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56376 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 23 2012

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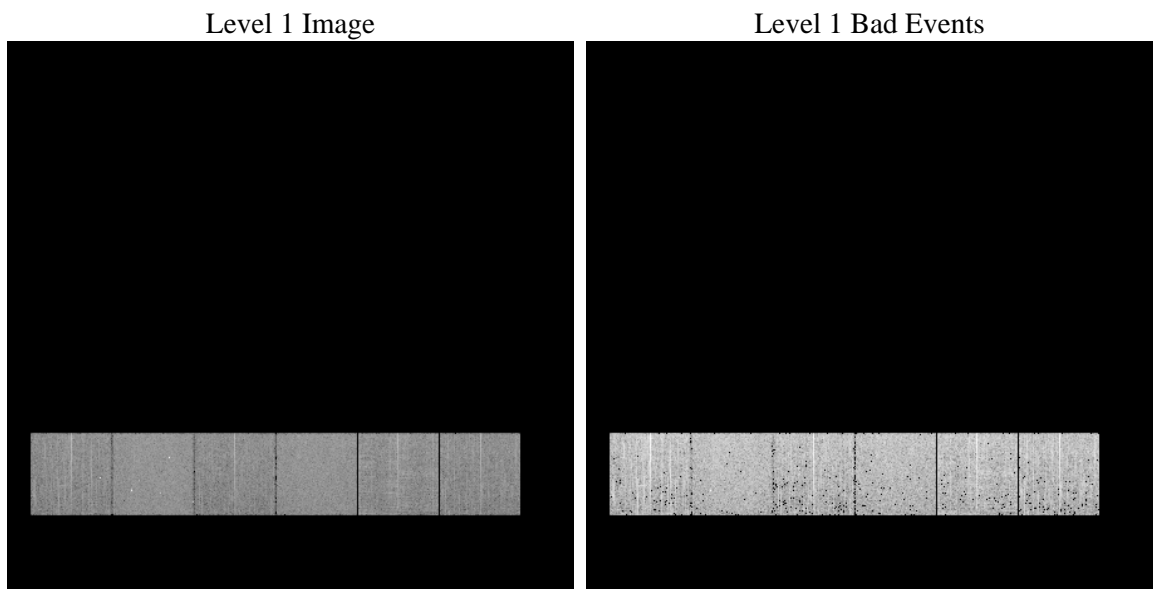
# 1 Front

seq_num	&#160	Sequence number
obs_id	56376	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	193.7684997544	Nominal RA [deg]
dec_nom	20.688363386916	Nominal Dec [deg]
roll_nom	155.58026868127	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3278.7390422821	Sum of GTIs [s]
livetime	3237.2216743091	Livetime [s]
ontime4	3278.6159222722	Sum of GTIs [s]
ontime5	3278.6980022788	Sum of GTIs [s]
ontime6	3278.6569622755	Sum of GTIs [s]
ontime7	3278.7390422821	Sum of GTIs [s]
ontime8	3278.5748822689	Sum of GTIs [s]
ontime9	3278.7800822854	Sum of GTIs [s]
l2events	176628	Number of level 2 events

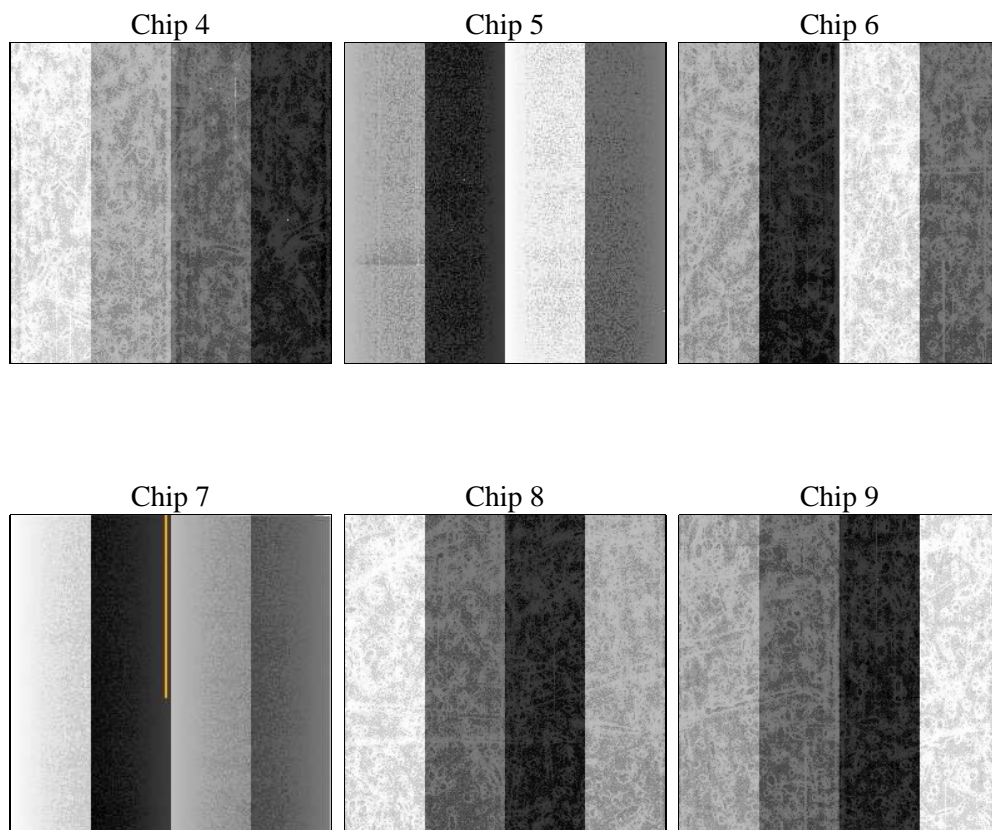
## 2 OBI

### 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	3278.7390422821	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime4	3278.6159222722	Sum of GTIs [s]
date	2012-06-23T07:25:03	Date and time of file creation	ontime5	3278.6980022788	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	3278.6569622755	Sum of GTIs [s]
			ontime7	3278.7390422821	Sum of GTIs [s]
			ontime8	3278.5748822689	Sum of GTIs [s]
			ontime9	3278.7800822854	Sum of GTIs [s]
			l1events	372068	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	58276	70416	54817	67977	64310	56272	grade 0 events	14903	6582	14193	7245	15667	13786
rejected events	32218	28380	27743	27573	31761	30257		25%	9%	25%	10%	24%	24%
rejected %	55%	40%	50%	40%	49%	53%	grade 1 events	128	144	85	62	105	126
								0%	0%	0%	0%	0%	0%
							grade 2 events	4032	14402	4857	8919	6141	4517
								6%	20%	8%	13%	9%	8%
							grade 3 events	1807	1880	1828	3761	2536	1835
								3%	2%	3%	5%	3%	3%
							grade 4 events	1833	1820	1763	3576	2350	1782
								3%	2%	3%	5%	3%	3%
							grade 5 events	1701	3789	1687	4423	2213	1847
								2%	5%	3%	6%	3%	3%
							grade 6 events	3483	17352	4433	16903	5855	4095
								5%	24%	8%	24%	9%	7%
							grade 7 events	30389	24447	25971	23088	29443	28284
								52%	34%	47%	33%	45%	50%

## 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	193.7684997543967	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	20.6883633869163	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	155.5802686812719	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	385878866.513407	385878865.48842			
Observation start date	2010-03-25T04:34:27	2010-03-25T04:34:25			
[s] Observation end time (MET)	385884489.663692	385884488.6387			
Observation end date	2010-03-25T06:08:10	2010-03-25T06:08:08			
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)	2012.06.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2787390422821

### A.2 Comments