

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57381 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 29 2012

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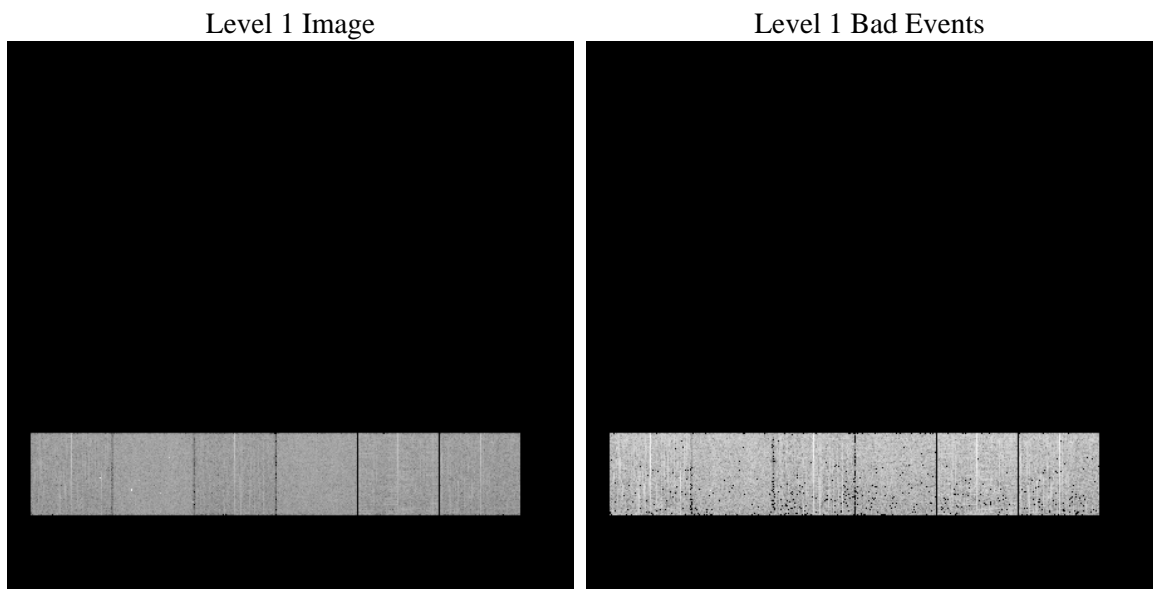
# 1 Front

seq_num	&#160	Sequence number
obs_id	57381	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	107.02848813414	Nominal RA [deg]
dec_nom	-0.74565092220644	Nominal Dec [deg]
roll_nom	335.90073206295	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2792.2894095182	Sum of GTIs [s]
livetime	2756.9317597001	Livetime [s]
ontime4	2792.1662895083	Sum of GTIs [s]
ontime5	2792.2483695149	Sum of GTIs [s]
ontime6	2792.2073295116	Sum of GTIs [s]
ontime7	2792.2894095182	Sum of GTIs [s]
ontime8	2792.125249505	Sum of GTIs [s]
ontime9	2792.3304495215	Sum of GTIs [s]
l2events	195593	Number of level 2 events

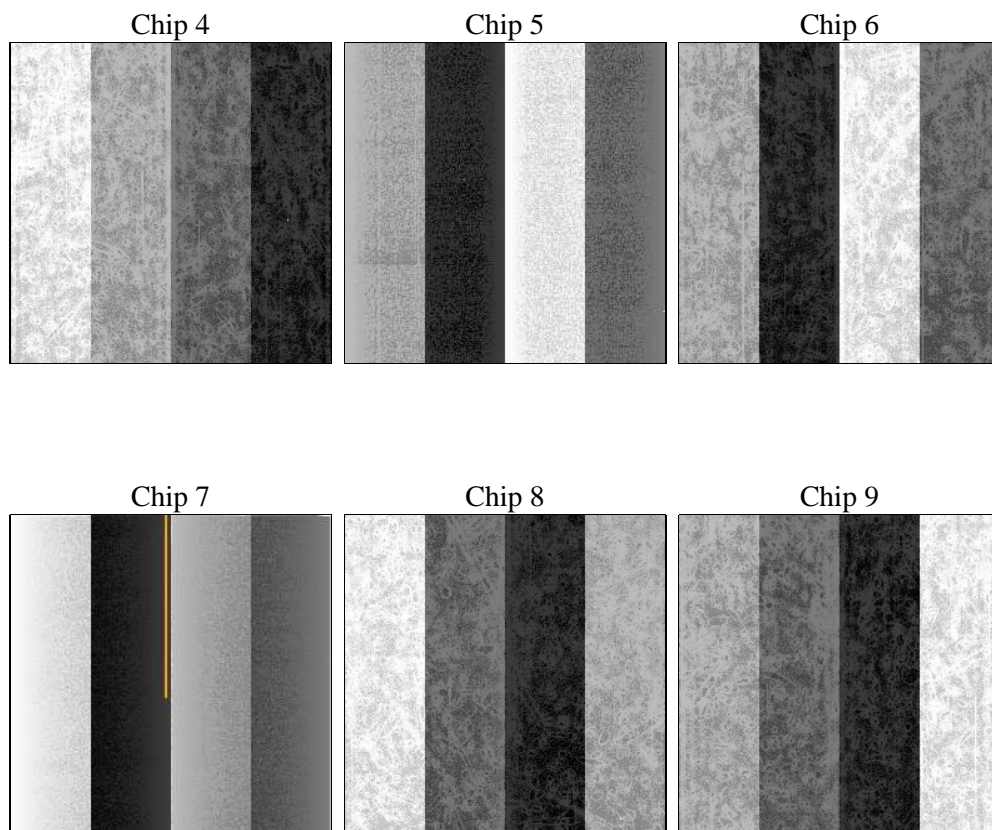
## 2 OBI

### 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	2792.2894095182	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	2792.1662895083	Sum of GTIs [s]
date	2012-05-29T03:02:58	Date and time of file creation	ontime5	2792.2483695149	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	2792.2073295116	Sum of GTIs [s]
			ontime7	2792.2894095182	Sum of GTIs [s]
			ontime8	2792.125249505	Sum of GTIs [s]
			ontime9	2792.3304495215	Sum of GTIs [s]
			l1events	376175	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	59464	67611	57229	66588	67142	58141	grade 0 events	16608	6863	16397	8705	18222	16312
rejected events	30025	24876	26084	23731	30594	27626		27%	10%	28%	13%	27%	28%
rejected %	50%	36%	45%	35%	45%	47%	grade 1 events	159	99	96	56	132	130
								0%	0%	0%	0%	0%	0%
							grade 2 events	4710	14967	5525	9203	6626	5311
								7%	22%	9%	13%	9%	9%
							grade 3 events	2058	2089	1959	4035	2607	2007
								3%	3%	3%	6%	3%	3%
							grade 4 events	1995	2056	2013	3883	2599	1988
								3%	3%	3%	5%	3%	3%
							grade 5 events	1484	3573	1555	3840	2047	1767
								2%	5%	2%	5%	3%	3%
							grade 6 events	4068	16760	5251	17031	6518	4897
								6%	24%	9%	25%	9%	8%
							grade 7 events	28382	21204	24433	19835	28391	25729
								47%	31%	42%	29%	42%	44%

## 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	107.0284881341378	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-0.7456509222064391	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	335.9007320629542	[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	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	348405532.934507	348405531.90952			
Observation start date	2009-01-15T11:18:53	2009-01-15T11:18:51			
[s] Observation end time (MET)	348411615.284807	348411614.25982			
Observation end date	2009-01-15T13:00:15	2009-01-15T13:00:14			
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)	2012.06.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.7922894095182

### A.2 Comments