

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 54661 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Apr 25 2012

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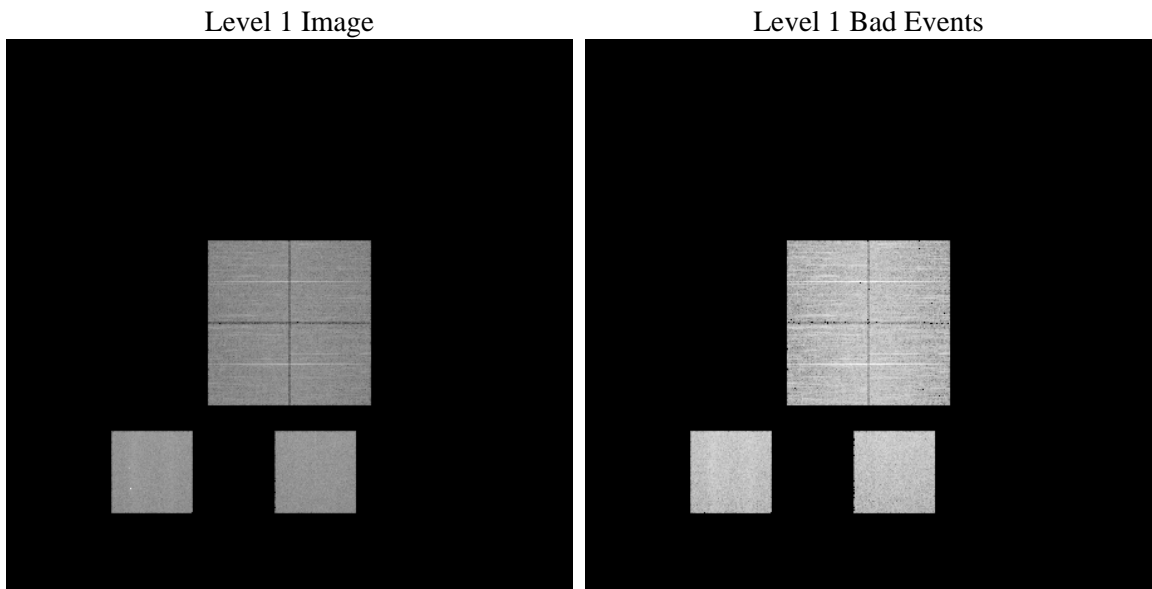
# 1 Front

seq_num	&#160	Sequence number
obs_id	54661	Observation id
title	ACIS-012357 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	232.00755032358	Nominal RA [deg]
dec_nom	-33.971731522435	Nominal Dec [deg]
roll_nom	44.58017864953	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8275.1999692321	Sum of GTIs [s]
livetime	8170.4144044945	Livetime [s]
ontime0	8275.1999692321	Sum of GTIs [s]
ontime1	8275.1999692321	Sum of GTIs [s]
ontime2	8275.1999692321	Sum of GTIs [s]
ontime3	8275.1999692321	Sum of GTIs [s]
ontime5	8275.1999692321	Sum of GTIs [s]
ontime7	8275.1999692321	Sum of GTIs [s]
l2events	291516	Number of level 2 events

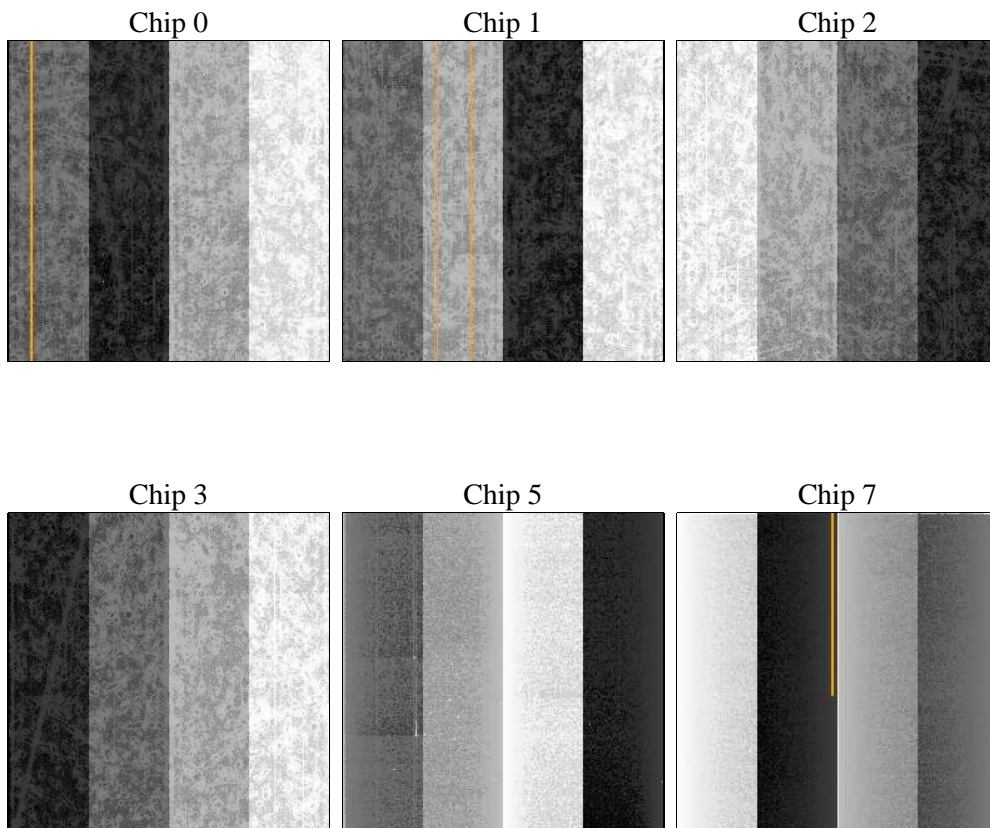
## 2 OBI

### 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	8275.1999692321	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	8275.1999692321	Sum of GTIs [s]
date	2012-04-25T17:21:29	Date and time of file creation	ontime1	8275.1999692321	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8275.1999692321	Sum of GTIs [s]
			ontime3	8275.1999692321	Sum of GTIs [s]
			ontime5	8275.1999692321	Sum of GTIs [s]
			ontime7	8275.1999692321	Sum of GTIs [s]
			l1events	624203	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	90790	90962	94144	95042	129692	123573	grade 0 events	20630	18806	22015	21734	6362	10302
rejected events	49094	48739	52297	53105	58101	56055		22%	20%	23%	22%	4%	8%
rejected %	54%	53%	55%	55%	44%	45%	grade 1 events	121	98	113	111	176	95
								0%	0%	0%	0%	0%	0%
							grade 2 events	8886	10822	7891	8020	26006	15023
								9%	11%	8%	8%	20%	12%
							grade 3 events	2722	2484	2727	2810	2645	5379
								2%	2%	2%	2%	2%	4%
							grade 4 events	2649	2440	2748	2728	2611	5421
								2%	2%	2%	2%	2%	4%
							grade 5 events	2939	2836	2847	3173	6049	7751
								3%	3%	3%	3%	4%	6%
							grade 6 events	6809	7671	6466	6645	33967	31393
								7%	8%	6%	6%	26%	25%
							grade 7 events	46034	45805	49337	49821	51876	48209
								50%	50%	52%	52%	39%	39%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	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	232.0075503235825	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-33.97173152243531	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	44.58017864952953	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	451713399.597792	451713398.57279			
Observation start date	2012-04-25T03:56:40	2012-04-25T03:56:38			
[s] Observation end time (MET)	451723577.848332	451723576.82333			
Observation end date	2012-04-25T06:46:18	2012-04-25T06:46:16			
Read mode	TIMED	TIMED			

## **2.3 Star Slots**

## **2.4 FID Slots**

## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.04.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2751999692321

### A.2 Comments