

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55520 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 8 2012

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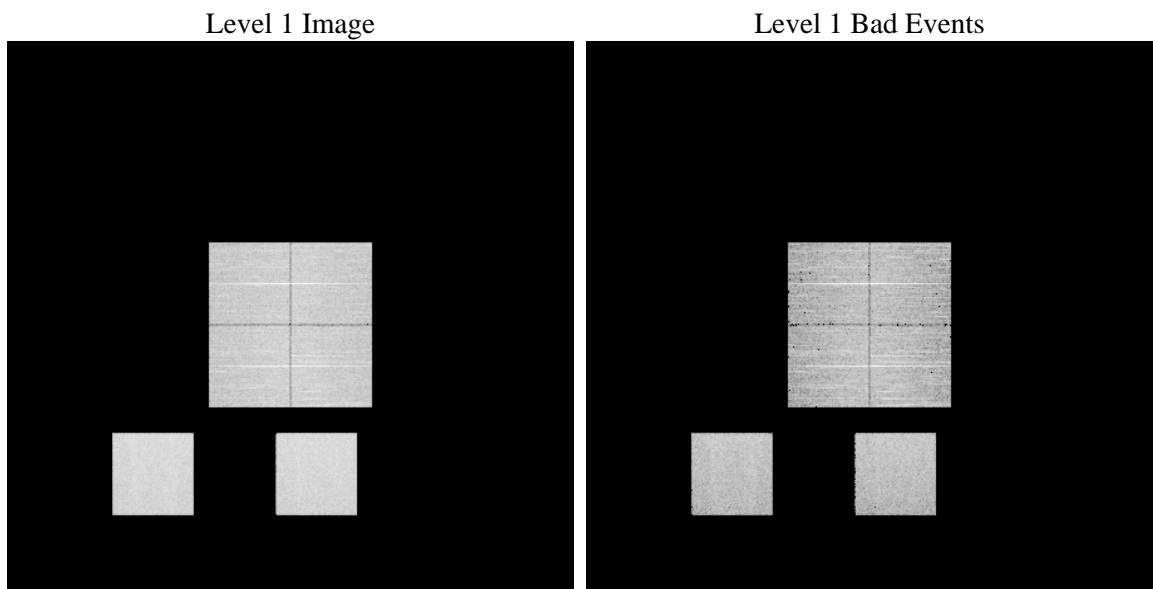
# 1 Front

seq_num	&#160	Sequence number
obs_id	55520	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	186.53468638144	Nominal RA [deg]
dec_nom	-30.001852749591	Nominal Dec [deg]
roll_nom	324.80288314391	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8283.5978976488	Sum of GTIs [s]
livetime	8178.7059932849	Livetime [s]
ontime0	8283.5568576455	Sum of GTIs [s]
ontime1	8283.5158176422	Sum of GTIs [s]
ontime2	8283.4747776389	Sum of GTIs [s]
ontime3	8283.6389376521	Sum of GTIs [s]
ontime5	8283.4337376356	Sum of GTIs [s]
ontime7	8283.5978976488	Sum of GTIs [s]
l2events	346408	Number of level 2 events

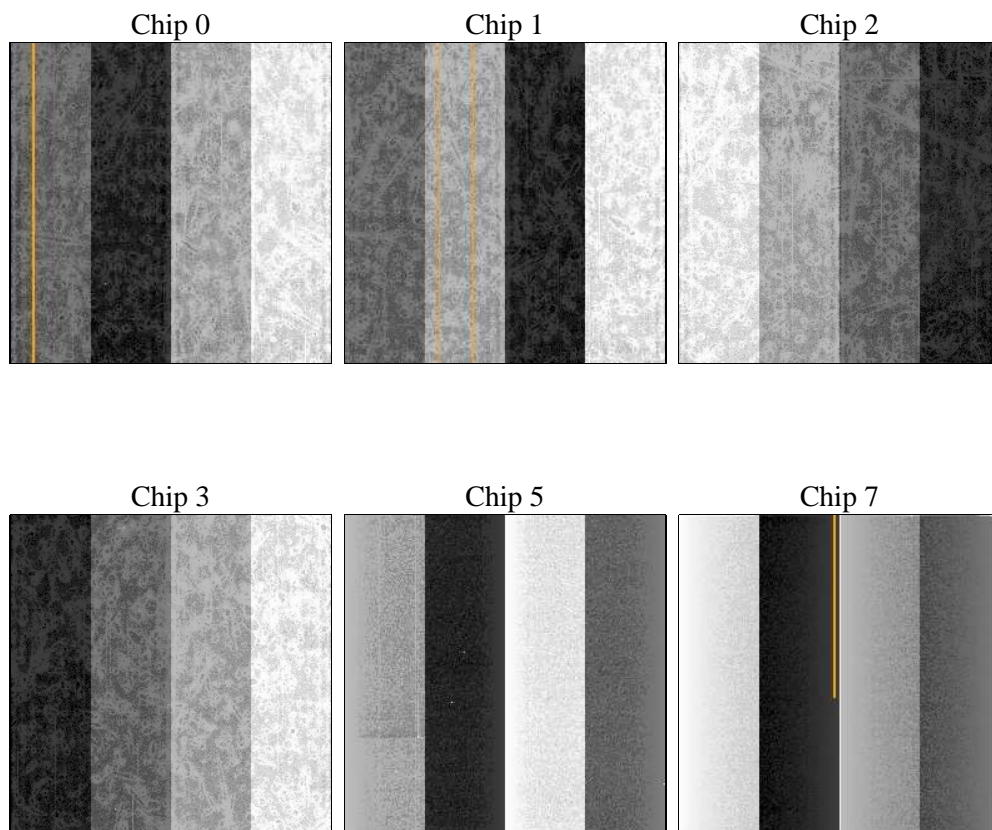
## 2 OBI

### 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	8.4.3	Processing system revision	ontime	8283.5978976488	Sum of GTIs [s]
caldsver	4.4.7	&#160	ontime0	8283.5568576455	Sum of GTIs [s]
date	2012-02-08T06:08:48	Date and time of file creation	ontime1	8283.5158176422	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8283.4747776389	Sum of GTIs [s]
			ontime3	8283.6389376521	Sum of GTIs [s]
			ontime5	8283.4337376356	Sum of GTIs [s]
			ontime7	8283.5978976488	Sum of GTIs [s]
			l1events	692598	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	100764	103160	104263	109009	138834	136568	grade 0 events	26636	26125	27480	27711	8294	13403
rejected events	49889	51829	53580	57651	59251	57383		26%	25%	26%	25%	5%	9%
rejected %	49%	50%	51%	52%	42%	42%	grade 1 events	144	133	158	154	142	106
								0%	0%	0%	0%	0%	0%
							grade 2 events	9509	10278	8542	8807	29639	17298
								9%	9%	8%	8%	21%	12%
							grade 3 events	3461	3368	3538	3558	2831	6937
								3%	3%	3%	3%	2%	5%
							grade 4 events	3434	3274	3503	3545	2920	6752
								3%	3%	3%	3%	2%	4%
							grade 5 events	3339	3417	3136	3690	6796	8608
								3%	3%	3%	3%	4%	6%
							grade 6 events	7835	8286	7620	7737	35899	34795
								7%	8%	7%	7%	25%	25%
							grade 7 events	46406	48279	50286	53807	52313	48669
								46%	46%	48%	49%	37%	35%

## 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	186.5346863814421	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-30.00185274959098	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	324.8028831439059	[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)	419038362.366184	419038361.34117			
Observation start date	2011-04-12T23:32:42	2011-04-12T23:32:41			
[s] Observation end time (MET)	419049846.46678	419049845.44177			
Observation end date	2011-04-13T02:44:06	2011-04-13T02:44:05			
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)	2012.02.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2835978976488

### A.2 Comments