

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 54606 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : May 19 2012

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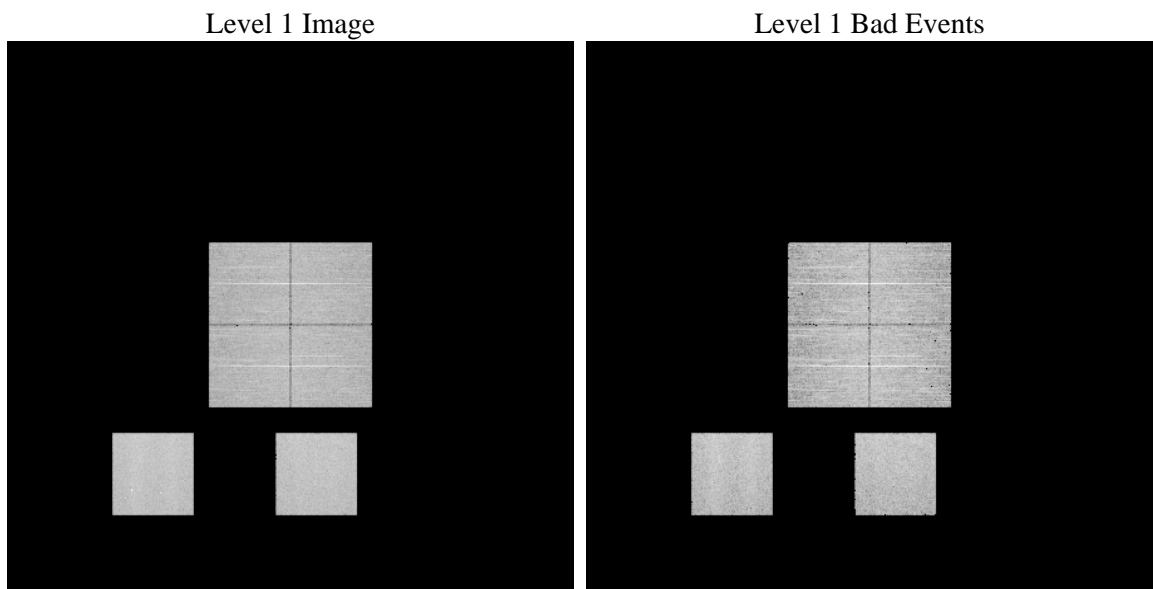
# 1 Front

seq_num	&#160	Sequence number
obs_id	54606	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	244.30493688905	Nominal RA [deg]
dec_nom	6.4008409538875	Nominal Dec [deg]
roll_nom	163.38237720135	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8214.3999694586	Sum of GTIs [s]
livetime	8110.3842909275	Livetime [s]
ontime0	8214.3999694586	Sum of GTIs [s]
ontime1	8214.3999694586	Sum of GTIs [s]
ontime2	8211.1589391232	Sum of GTIs [s]
ontime3	8214.3999694586	Sum of GTIs [s]
ontime5	8214.3999694586	Sum of GTIs [s]
ontime7	8214.3999694586	Sum of GTIs [s]
l2events	279982	Number of level 2 events

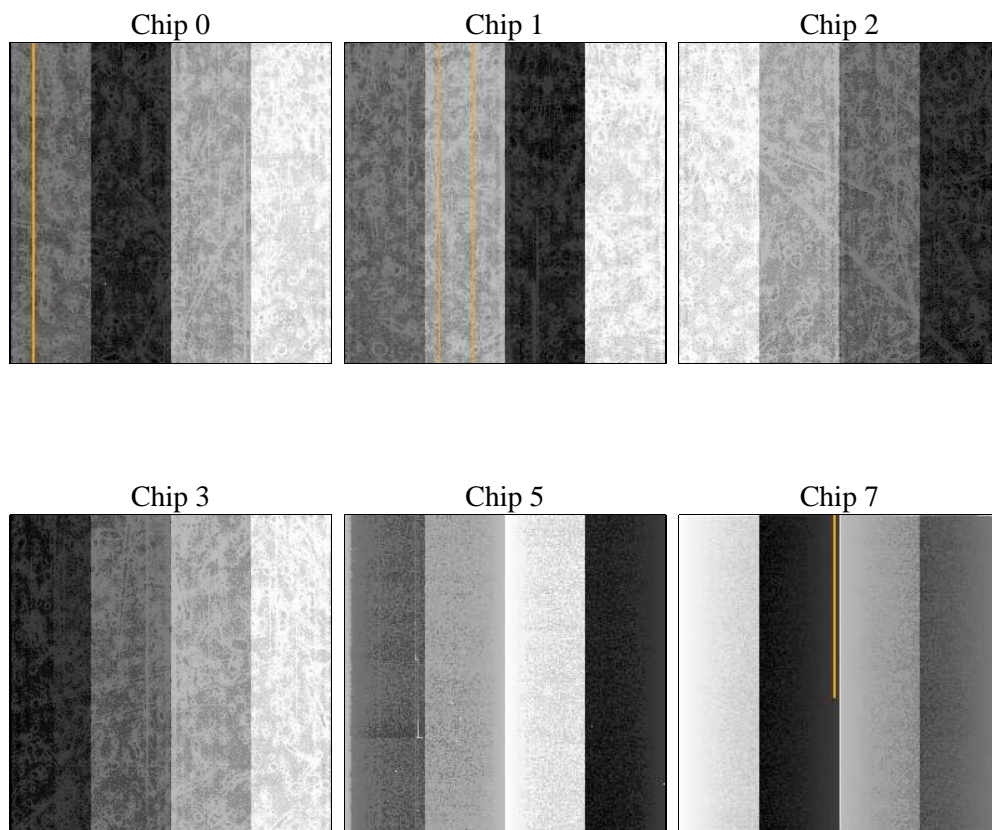
## 2 OBI

### 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	8.4.4	Processing system revision	ontime	8214.3999694586	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	8214.3999694586	Sum of GTIs [s]
date	2012-05-19T20:26:57	Date and time of file creation	ontime1	8214.3999694586	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8211.1589391232	Sum of GTIs [s]
			ontime3	8214.3999694586	Sum of GTIs [s]
			ontime5	8214.3999694586	Sum of GTIs [s]
			ontime7	8214.3999694586	Sum of GTIs [s]
			l1events	629892	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	91600	91571	94777	96177	130590	125177	grade 0 events	19692	17436	20887	21097	5887	9897
rejected events	52382	52219	55628	56490	60964	58272		21%	19%	22%	21%	4%	7%
rejected %	57%	57%	58%	58%	46%	46%	grade 1 events	91	74	117	104	177	104
								0%	0%	0%	0%	0%	0%
							grade 2 events	8263	10316	7281	7386	25851	15188
								9%	11%	7%	7%	19%	12%
							grade 3 events	2601	2254	2613	2665	2274	5332
								2%	2%	2%	2%	1%	4%
							grade 4 events	2542	2383	2618	2721	2022	5321
								2%	2%	2%	2%	1%	4%
							grade 5 events	3009	2813	2711	3332	6173	7684
								3%	3%	2%	3%	4%	6%
							grade 6 events	6435	7272	6042	6129	34159	31692
								7%	7%	6%	6%	26%	25%
							grade 7 events	48967	49023	52508	52743	54047	49959
								53%	53%	55%	54%	41%	39%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012357	ACIS-012357
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	244.3049368890545
[deg] Pointing Dec	0	6.400840953887483
[deg] Pointing Roll	0.0	163.3823772013479
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	453769049.506999	453769049.506999
Observation start date	2012-05-18T22:57:30	2012-05-18T22:57:29
[s] Observation end time (MET)	453778867.103002	453778867.103002
Observation end date	2012-05-19T01:41:07	2012-05-19T01:41:07
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
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	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.05.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2143999694586

### A.2 Comments