

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 54583 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : May 27 2012

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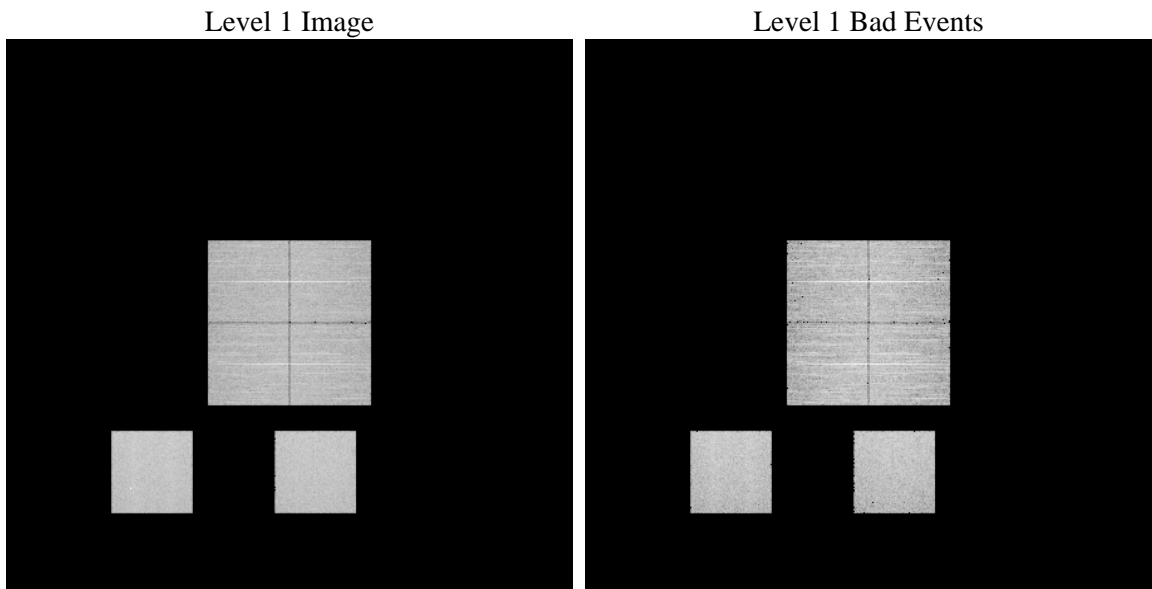
# 1 Front

seq_num	&#160	Sequence number
obs_id	54583	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	183.27223237701	Nominal RA [deg]
dec_nom	-37.056361919853	Nominal Dec [deg]
roll_nom	295.06476929266	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8067.1999700069	Sum of GTIs [s]
livetime	7965.0482265021	Livetime [s]
ontime0	8067.1999700069	Sum of GTIs [s]
ontime1	8067.1999700069	Sum of GTIs [s]
ontime2	8067.1999700069	Sum of GTIs [s]
ontime3	8067.1999700069	Sum of GTIs [s]
ontime5	8067.1999700069	Sum of GTIs [s]
ontime7	8067.1999700069	Sum of GTIs [s]
l2events	274300	Number of level 2 events

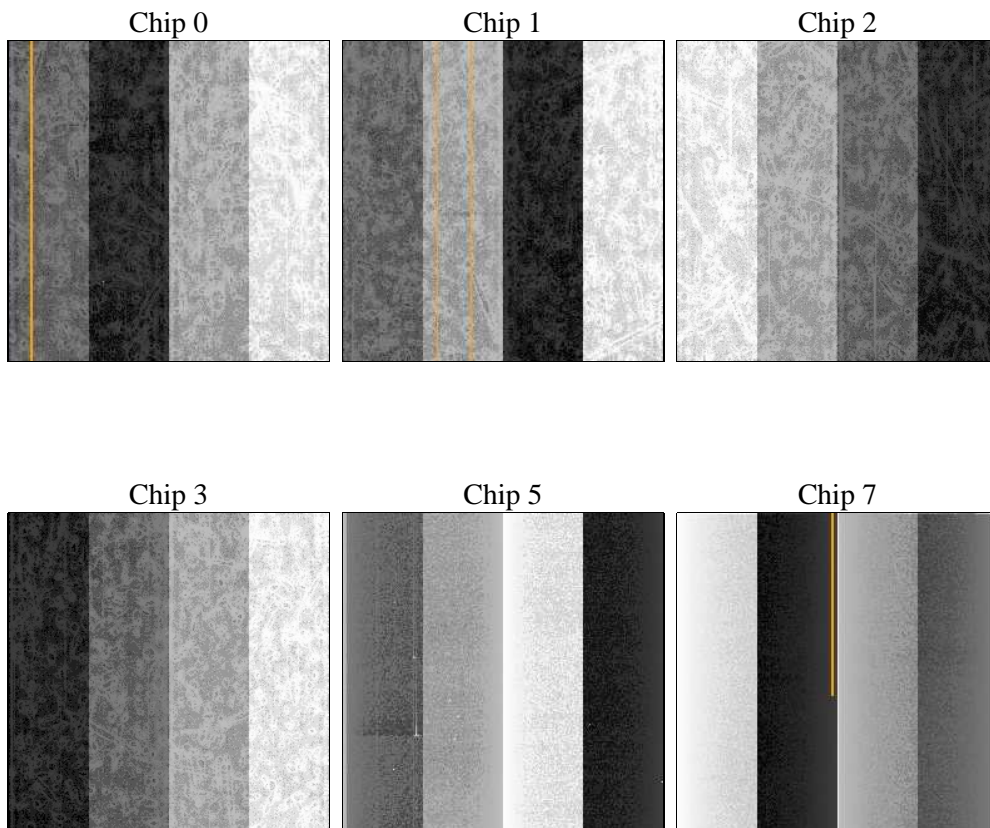
## 2 OBI

### 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	8067.1999700069	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	8067.1999700069	Sum of GTIs [s]
date	2012-05-27T13:57:30	Date and time of file creation	ontime1	8067.1999700069	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8067.1999700069	Sum of GTIs [s]
			ontime3	8067.1999700069	Sum of GTIs [s]
			ontime5	8067.1999700069	Sum of GTIs [s]
			ontime7	8067.1999700069	Sum of GTIs [s]
			l1events	622443	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	89298	90767	94260	95520	128820	123778	grade 0 events	20134	19097	21201	21284	5895	9946
rejected events	51161	52211	55519	57114	60504	58313		22%	21%	22%	22%	4%	8%
rejected %	57%	57%	58%	59%	46%	47%	grade 1 events	108	88	152	121	142	109
								0%	0%	0%	0%	0%	0%
							grade 2 events	7516	8813	6866	6698	26425	14890
								8%	9%	7%	7%	20%	12%
							grade 3 events	2654	2534	2822	2770	2257	5489
								2%	2%	2%	2%	1%	4%
							grade 4 events	2569	2530	2756	2746	2202	5506
								2%	2%	2%	2%	1%	4%
							grade 5 events	3142	3096	2963	3346	6352	8008
								3%	3%	3%	3%	4%	6%
							grade 6 events	6282	6697	6133	5977	33429	31485
								7%	7%	6%	6%	25%	25%
							grade 7 events	46893	47912	51367	52578	52118	48345
								52%	52%	54%	55%	40%	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	183.2722323770116
[deg] Pointing Dec	0	-37.05636191985268
[deg] Pointing Roll	0.0	295.0647692926587
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)	454454102.143393	454454102.143393
Observation start date	2012-05-26T21:15:02	2012-05-26T21:15:02
[s] Observation end time (MET)	454463920.231925	454463920.231925
Observation end date	2012-05-26T23:58:40	2012-05-26T23:58:40
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0671999700069

### A.2 Comments