

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 54065 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Dec 29 2012

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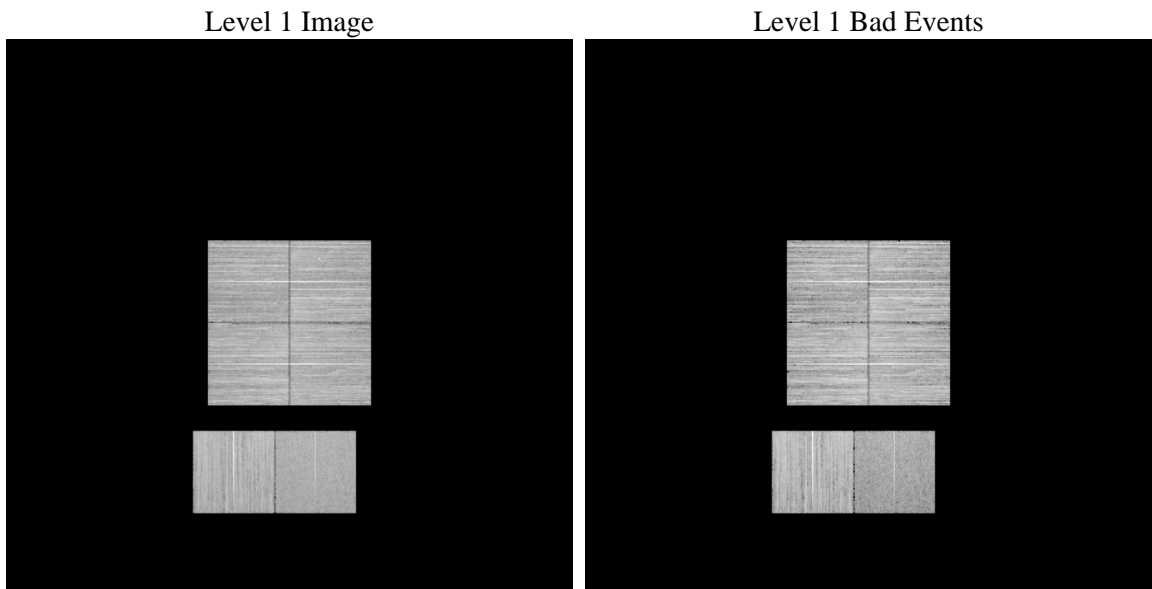
# 1 Front

seq_num	&#160	Sequence number
obs_id	54065	Observation id
title	ACIS-012367 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	95.126058496857	Nominal RA [deg]
dec_nom	-0.68778044616823	Nominal Dec [deg]
roll_nom	352.10950168684	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8099.1999698877	Sum of GTIs [s]
livetime	7996.6430231163	Livetime [s]
ontime0	8099.1999698877	Sum of GTIs [s]
ontime1	8099.1999698877	Sum of GTIs [s]
ontime2	8099.1999698877	Sum of GTIs [s]
ontime3	8099.1999698877	Sum of GTIs [s]
ontime6	8099.1999698877	Sum of GTIs [s]
ontime7	8099.1999698877	Sum of GTIs [s]
l2events	225357	Number of level 2 events

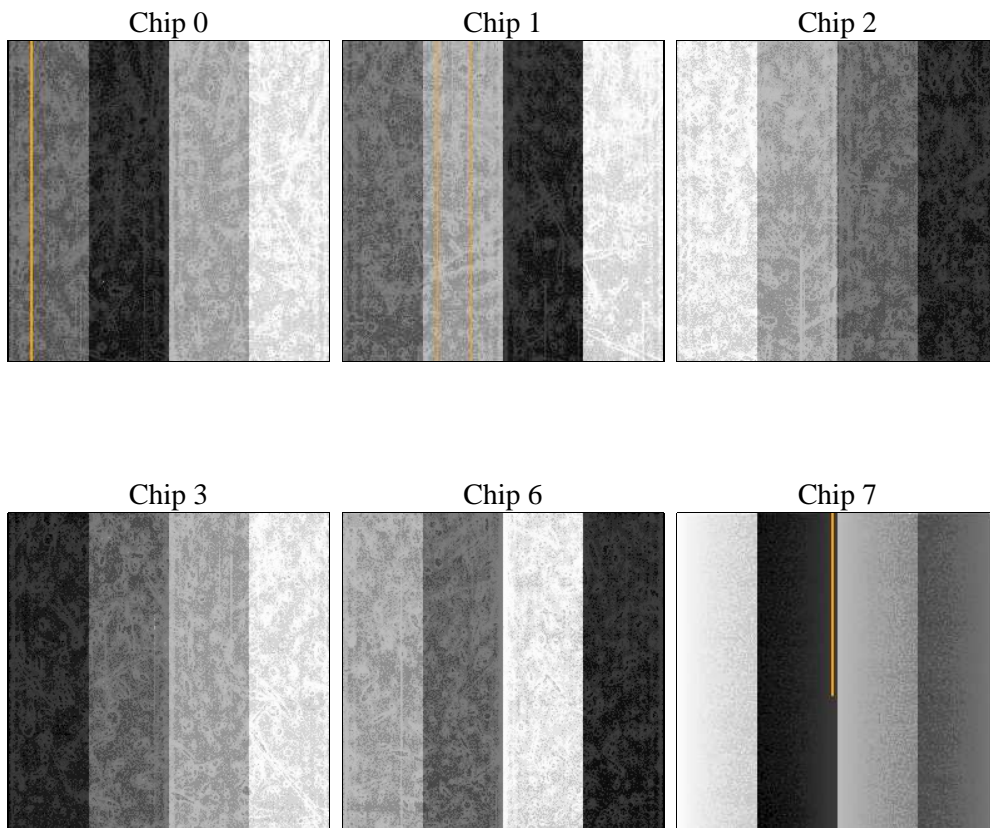
## 2 OBI

### 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	8.5.1.1	Processing system revision	ontime	8099.1999698877	Sum of GTIs [s]
caldsver	4.5.5	&#160	ontime0	8099.1999698877	Sum of GTIs [s]
date	2012-12-30T01:16:30	Date and time of file creation	ontime1	8099.1999698877	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8099.1999698877	Sum of GTIs [s]
			ontime3	8099.1999698877	Sum of GTIs [s]
			ontime6	8099.1999698877	Sum of GTIs [s]
			ontime7	8099.1999698877	Sum of GTIs [s]
			l1events	967201	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	149961	169804	175801	167811	169175	134649	grade 0 events	18285	18552	18820	18842	18611	9665
rejected events	115467	134080	141129	132753	132613	71907		12%	10%	10%	11%	11%	7%
rejected %	76%	78%	80%	79%	78%	53%	grade 1 events	91	101	106	103	95	84
								0%	0%	0%	0%	0%	0%
							grade 2 events	6860	7344	6747	6662	7405	15568
								4%	4%	3%	3%	4%	11%
							grade 3 events	2435	2413	2389	2526	2555	5460
								1%	1%	1%	1%	1%	4%
							grade 4 events	2315	2431	2472	2403	2589	5444
								1%	1%	1%	1%	1%	4%
							grade 5 events	3007	3145	2985	3319	3337	8146
								2%	1%	1%	1%	1%	6%
							grade 6 events	5477	5817	5123	5446	6281	28148
								3%	3%	2%	3%	3%	20%
							grade 7 events	111491	130001	137159	128510	128302	62134
								74%	76%	78%	76%	75%	46%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	95.12605849685679
[deg] Pointing Dec	0	-0.6877804461682265
[deg] Pointing Roll	0.0	352.1095016868376
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)	473162346.766682	473162346.766682
Observation start date	2012-12-29T09:59:07	2012-12-29T09:59:06
[s] Observation end time (MET)	473171895.410306	473171895.410306
Observation end date	2012-12-29T12:38:15	2012-12-29T12:38:15
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)	2012.12.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0991999698877

### A.2 Comments