

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 60629 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Nov 1 2012

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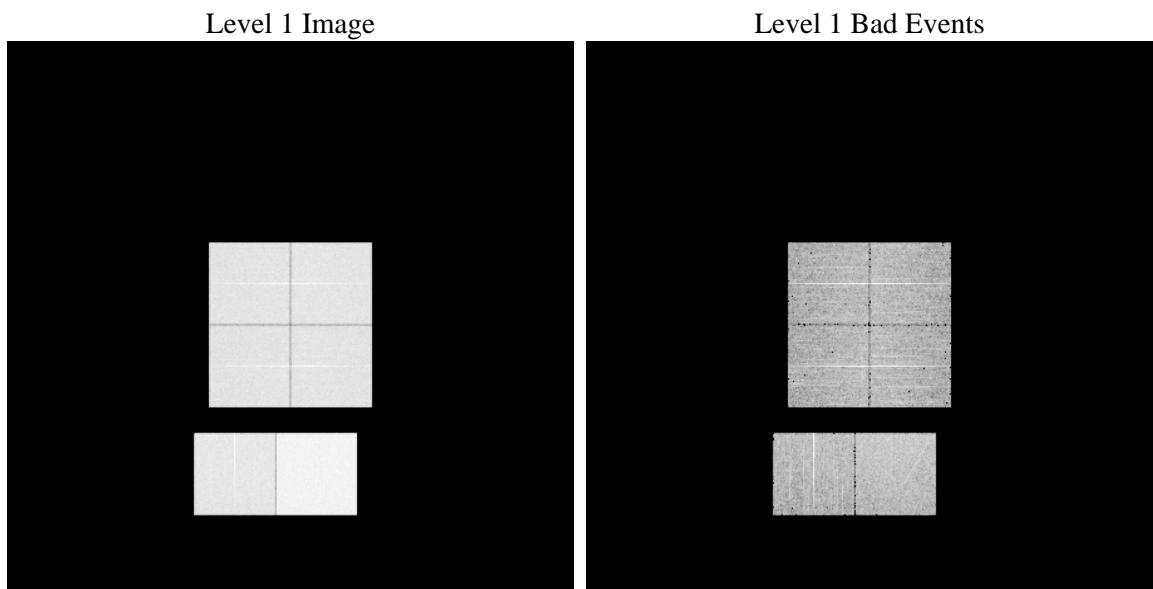
# 1 Front

seq_num	&#160	Sequence number
obs_id	60629	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	338.27655932778	Nominal RA [deg]
dec_nom	-9.7830829036503	Nominal Dec [deg]
roll_nom	110.89737734228	Nominal Roll [deg]
revision	3	Processing version of data
ontime	11337.387754291	Sum of GTIs [s]
livetime	11193.826923991	Livetime [s]
ontime0	6793.5031218529	Sum of GTIs [s]
ontime1	7010.6067891121	Sum of GTIs [s]
ontime2	6530.9013238251	Sum of GTIs [s]
ontime3	6644.0987229645	Sum of GTIs [s]
ontime6	7159.6104666889	Sum of GTIs [s]
ontime7	11337.387754291	Sum of GTIs [s]
l2events	1692803	Number of level 2 events

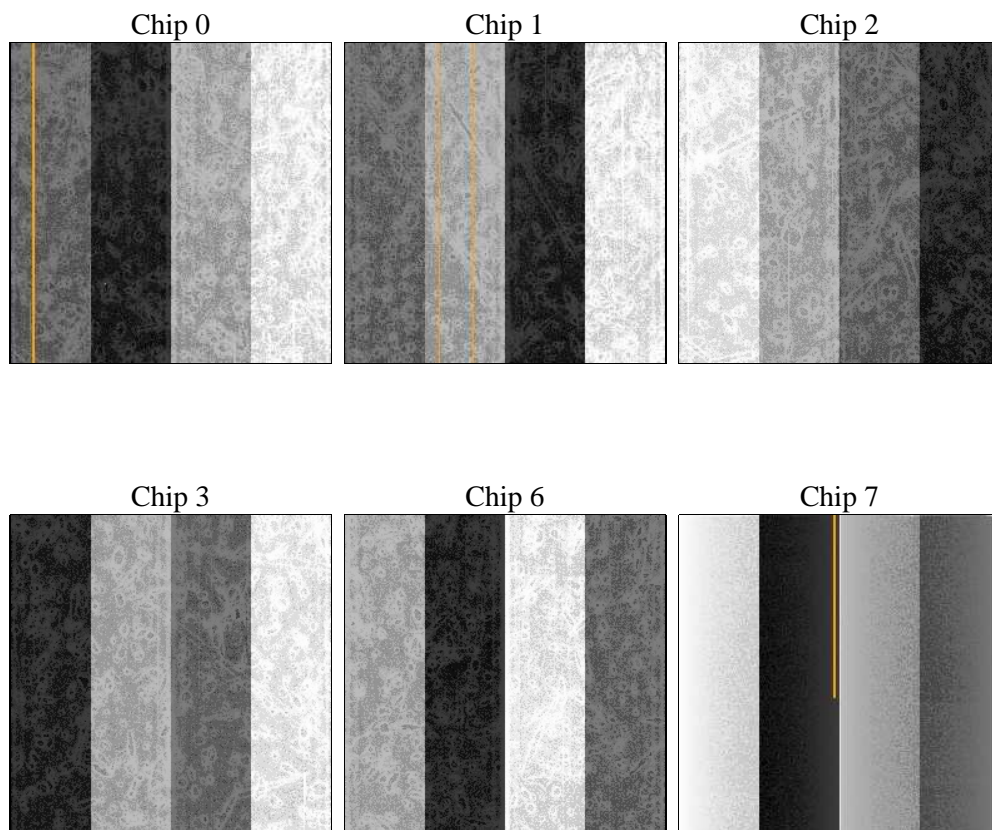
## 2 OBI

### 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	8.4.5	Processing system revision	ontime	11337.387754291	Sum of GTIs [s]
caldbver	4.5.2	&#160	ontime0	6793.5031218529	Sum of GTIs [s]
date	2012-11-01T16:23:09	Date and time of file creation	ontime1	7010.6067891121	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	6530.9013238251	Sum of GTIs [s]
			ontime3	6644.0987229645	Sum of GTIs [s]
			ontime6	7159.6104666889	Sum of GTIs [s]
			ontime7	11337.387754291	Sum of GTIs [s]
			l1events	2054531	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	301135	310715	294084	300784	333495	514318	grade 0 events	142674	146475	140620	143975	154994	114328
rejected events	42905	44498	42806	44388	48805	59108		47%	47%	47%	47%	46%	22%
rejected %	14%	14%	14%	14%	14%	11%	grade 1 events	748	694	780	834	702	318
								0%	0%	0%	0%	0%	0%
							grade 2 events	45365	47185	42917	43725	49308	100331
								15%	15%	14%	14%	14%	19%
							grade 3 events	16622	17003	16367	16696	17728	45610
								5%	5%	5%	5%	5%	8%
							grade 4 events	16365	17102	16580	16589	17694	45215
								5%	5%	5%	5%	5%	8%
							grade 5 events	2979	3106	2753	3112	3340	10955
								0%	0%	0%	1%	1%	2%
							grade 6 events	37327	38585	34920	35411	45103	149862
								12%	12%	11%	11%	13%	29%
							grade 7 events	39055	40565	39147	40442	44626	47699
								12%	13%	13%	13%	13%	9%

## 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	338.2765593277796
[deg] Pointing Dec	0	-9.783082903650286
[deg] Pointing Roll	0.0	110.8973773422788
[mm] SIM focus pos	-0.782348	-0.7809083437167272
[mm] SIM defocus	0	0.7524282956875696
[mm] SIM translation stage pos	-233.592463	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	175216911.078769	175216910.05405
Observation start date	2003-07-21T23:21:51	2003-07-21T23:21:50
[s] Observation end time (MET)	175257732.730511	175257731.70579
Observation end date	2003-07-22T10:42:13	2003-07-22T10:42:11
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

## **2.3 Star Slots**

## **2.4 FID Slots**

## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.12.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.337387754291

### A.2 Comments