

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 62070 - L2 Version 5  
Chandra X-Ray Center

L2 Processing Date : Aug 26 2012

## Contents

<b>1</b>	<b>Front</b>	<b>2</b>
<b>2</b>	<b>OBI</b>	<b>3</b>
2.1	OBI . . . . .	3
2.1.1	Images . . . . .	3
2.1.2	Bias . . . . .	3
2.1.3	Parameters . . . . .	4
2.1.4	Events . . . . .	4
2.2	Compared Parameters . . . . .	5
2.3	Star Slots . . . . .	6
2.4	FID Slots . . . . .	6
<b>A</b>	<b>Summary</b>	<b>7</b>
A.1	Status . . . . .	7
A.2	Comments . . . . .	7

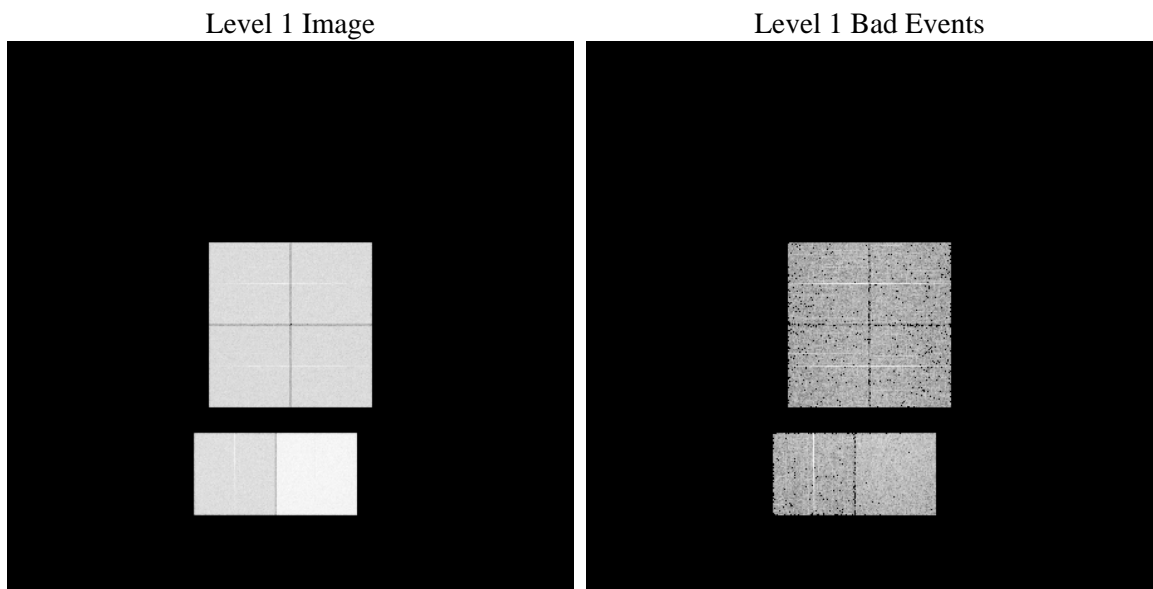
# 1 Front

seq_num	&#160	Sequence number
obs_id	62070	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	80.053596527845	Nominal RA [deg]
dec_nom	59.989430330042	Nominal Dec [deg]
roll_nom	306.21196756968	Nominal Roll [deg]
revision	5	Processing version of data
ontime	5542.9807956964	Sum of GTIs [s]
livetime	5472.7922352789	Livetime [s]
ontime0	2275.2084285468	Sum of GTIs [s]
ontime1	2279.2082404643	Sum of GTIs [s]
ontime2	2155.2901283801	Sum of GTIs [s]
ontime3	2168.2541686743	Sum of GTIs [s]
ontime6	2378.9215686619	Sum of GTIs [s]
ontime7	5542.9807956964	Sum of GTIs [s]
l2events	1383709	Number of level 2 events

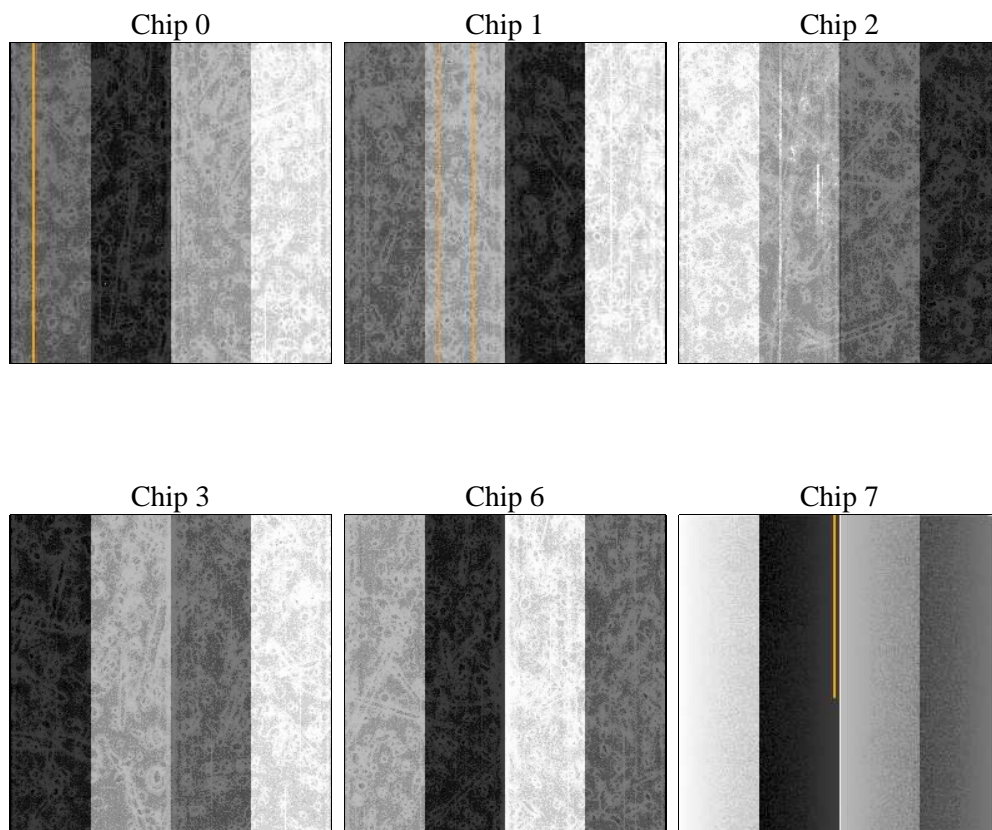
## 2 OBI

### 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	5542.9807956964	Sum of GTIs [s]
caldbver	4.5.1.1	&#160	ontime0	2275.2084285468	Sum of GTIs [s]
date	2012-08-26T21:05:16	Date and time of file creation	ontime1	2279.2082404643	Sum of GTIs [s]
revision	5	Processing version of data	ontime2	2155.2901283801	Sum of GTIs [s]
			ontime3	2168.2541686743	Sum of GTIs [s]
			ontime6	2378.9215686619	Sum of GTIs [s]
			ontime7	5542.9807956964	Sum of GTIs [s]
			l1events	1580728	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	211720	212023	203559	205492	232199	515735	grade 0 events	104891	105300	101345	102890	113986	124453
rejected events	21342	21295	20810	21413	23113	31531		49%	49%	49%	50%	49%	24%
rejected %	10%	10%	10%	10%	9%	6%	grade 1 events	645	638	592	688	673	342
								0%	0%	0%	0%	0%	0%
							grade 2 events	33637	33708	32113	32169	36017	107729
								15%	15%	15%	15%	15%	20%
							grade 3 events	12173	12124	11774	11613	12987	50023
								5%	5%	5%	5%	5%	9%
							grade 4 events	11954	12212	11694	11565	13055	49323
								5%	5%	5%	5%	5%	9%
							grade 5 events	1608	1611	1438	1595	1820	7029
								0%	0%	0%	0%	0%	1%
							grade 6 events	27723	27657	25823	25842	33041	152938
								13%	13%	12%	12%	14%	29%
							grade 7 events	19089	18773	18780	19130	20620	23898
								9%	8%	9%	9%	8%	4%

## 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	80.05359652784543
[deg] Pointing Dec	0	59.98943033004247
[deg] Pointing Roll	0.0	306.2119675696789
[mm] SIM focus pos	-0.782348	-0.6828225247311905
[mm] SIM defocus	0	0.8505141146731063
[mm] SIM translation stage pos	-233.592463	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	73367474.258	73367473.490014
Observation start date	2000-04-29T03:51:14	2000-04-29T03:51:13
[s] Observation end time (MET)	73377673.009	73377672.24038801
Observation end date	2000-04-29T06:41:13	2000-04-29T06:41:12
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)	2012.08.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.5429807956964

### A.2 Comments