

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 59351 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 31 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

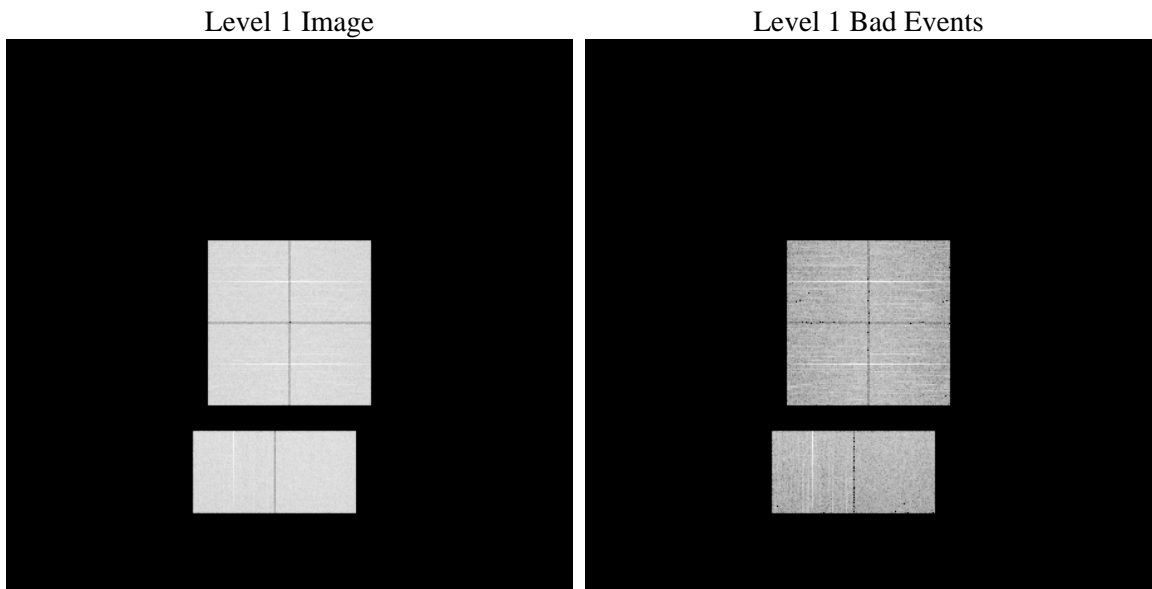
# 1 Front

seq_num	&#160	Sequence number
obs_id	59351	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	23.978480910669	Nominal RA [deg]
dec_nom	42.976161452328	Nominal Dec [deg]
roll_nom	208.93002760658	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7801.5999709368	Sum of GTIs [s]
livetime	7702.8114145452	Livetime [s]
ontime0	7798.3590105176	Sum of GTIs [s]
ontime1	7801.5999709368	Sum of GTIs [s]
ontime2	7801.5999709368	Sum of GTIs [s]
ontime3	7801.5999709368	Sum of GTIs [s]
ontime6	7798.359020561	Sum of GTIs [s]
ontime7	7801.5999709368	Sum of GTIs [s]
l2events	986134	Number of level 2 events

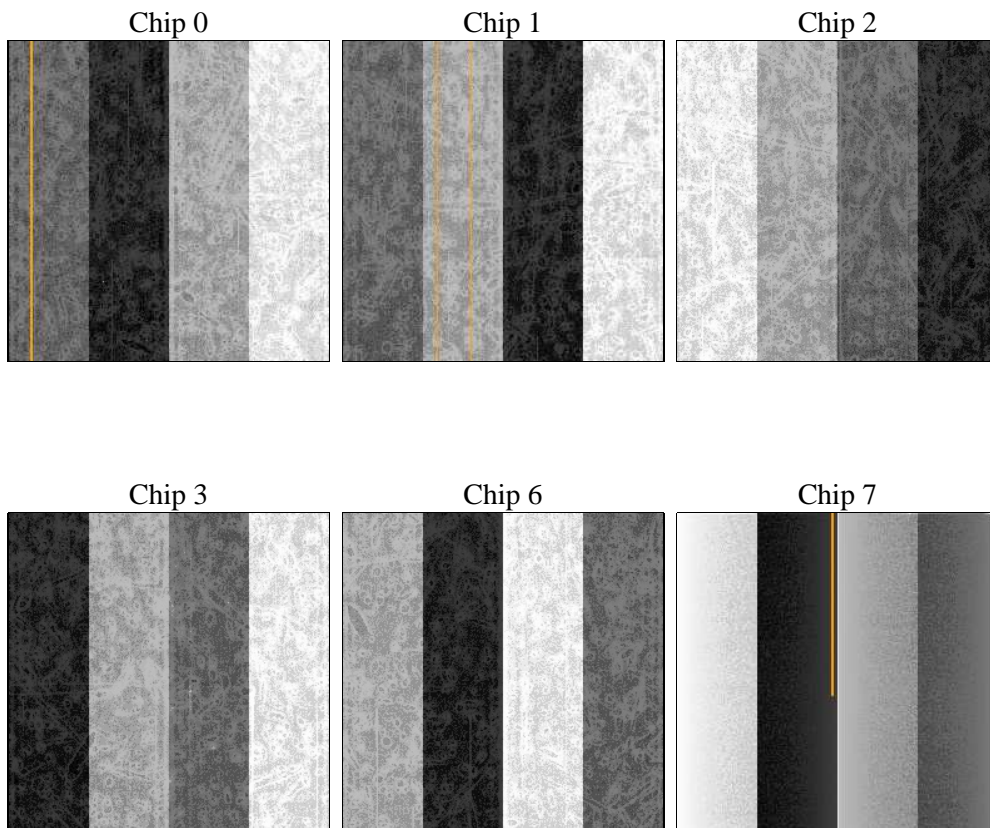
## 2 OBI

### 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	7801.5999709368	Sum of GTIs [s]
caldsver	4.5.5	&#160	ontime0	7798.3590105176	Sum of GTIs [s]
date	2012-12-31T12:28:08	Date and time of file creation	ontime1	7801.5999709368	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	7801.5999709368	Sum of GTIs [s]
			ontime3	7801.5999709368	Sum of GTIs [s]
			ontime6	7798.359020561	Sum of GTIs [s]
			ontime7	7801.5999709368	Sum of GTIs [s]
			l1events	1374427	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	221052	221901	226218	228544	233720	242992	grade 0 events	90806	91129	94110	94504	94108	44480
rejected events	54909	55052	57803	59442	58981	50362		41%	41%	41%	41%	40%	18%
rejected %	24%	24%	25%	26%	25%	20%	grade 1 events	529	475	600	575	511	153
								0%	0%	0%	0%	0%	0%
							grade 2 events	29253	29750	28216	28990	30443	42116
								13%	13%	12%	12%	13%	17%
							grade 3 events	10816	10647	11201	11148	11187	18690
								4%	4%	4%	4%	4%	7%
							grade 4 events	10849	10754	11117	11147	11006	18760
								4%	4%	4%	4%	4%	7%
							grade 5 events	3265	3376	3126	3768	3677	8586
								1%	1%	1%	1%	1%	3%
							grade 6 events	24419	24569	23835	23313	28064	68584
								11%	11%	10%	10%	12%	28%
							grade 7 events	51115	51201	54013	55099	54724	41623
								23%	23%	23%	24%	23%	17%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	23.97848091066874	Alternating exposures requested	N	N
[deg] Pointing Dec	0	42.97616145232825	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	208.9300276065828			
[mm] SIM focus pos	-0.782348	-1.428180813131781			
[mm] SIM defocus	0	0.1051558262725154			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	247413012.745108	247413011.72012			
Observation start date	2005-11-03T13:50:13	2005-11-03T13:50:11			
[s] Observation end time (MET)	247435013.346122	247435012.32113			
Observation end date	2005-11-03T19:56:53	2005-11-03T19:56:52			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.01.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.8015999709368

### A.2 Comments