

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 58661 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 14 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

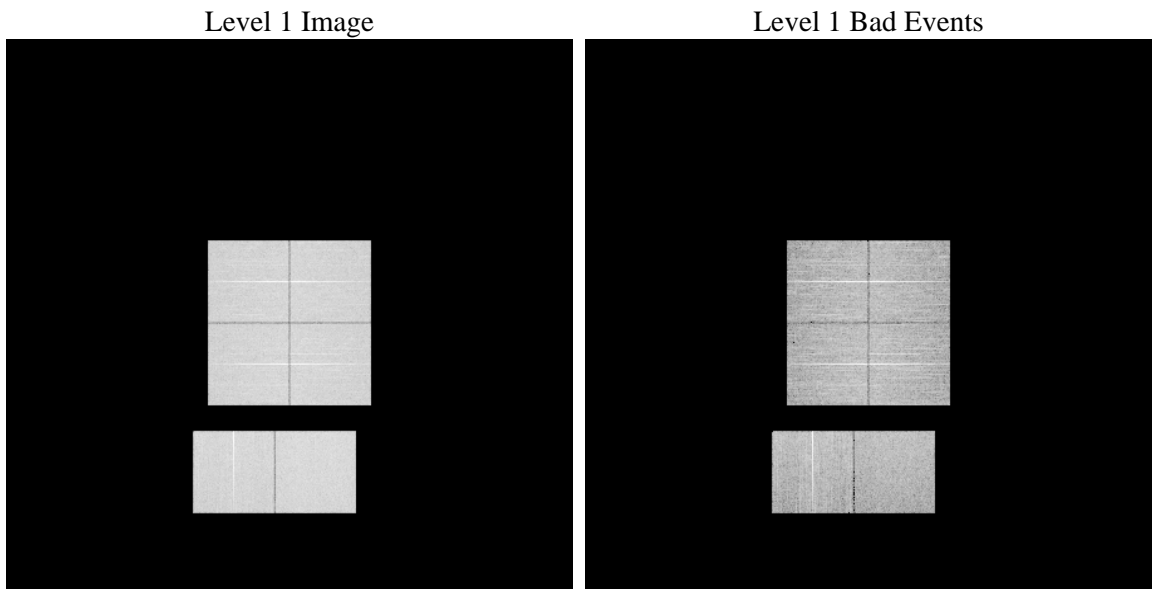
# 1 Front

seq_num	&#160	Sequence number
obs_id	58661	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	33.015384625353	Nominal RA [deg]
dec_nom	29.974672118798	Nominal Dec [deg]
roll_nom	264.85558358921	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8271.999969244	Sum of GTIs [s]
livetime	8167.254924833	Livetime [s]
ontime0	8271.999969244	Sum of GTIs [s]
ontime1	8271.999969244	Sum of GTIs [s]
ontime2	8271.999969244	Sum of GTIs [s]
ontime3	8271.999969244	Sum of GTIs [s]
ontime6	8271.999969244	Sum of GTIs [s]
ontime7	8271.999969244	Sum of GTIs [s]
l2events	817529	Number of level 2 events

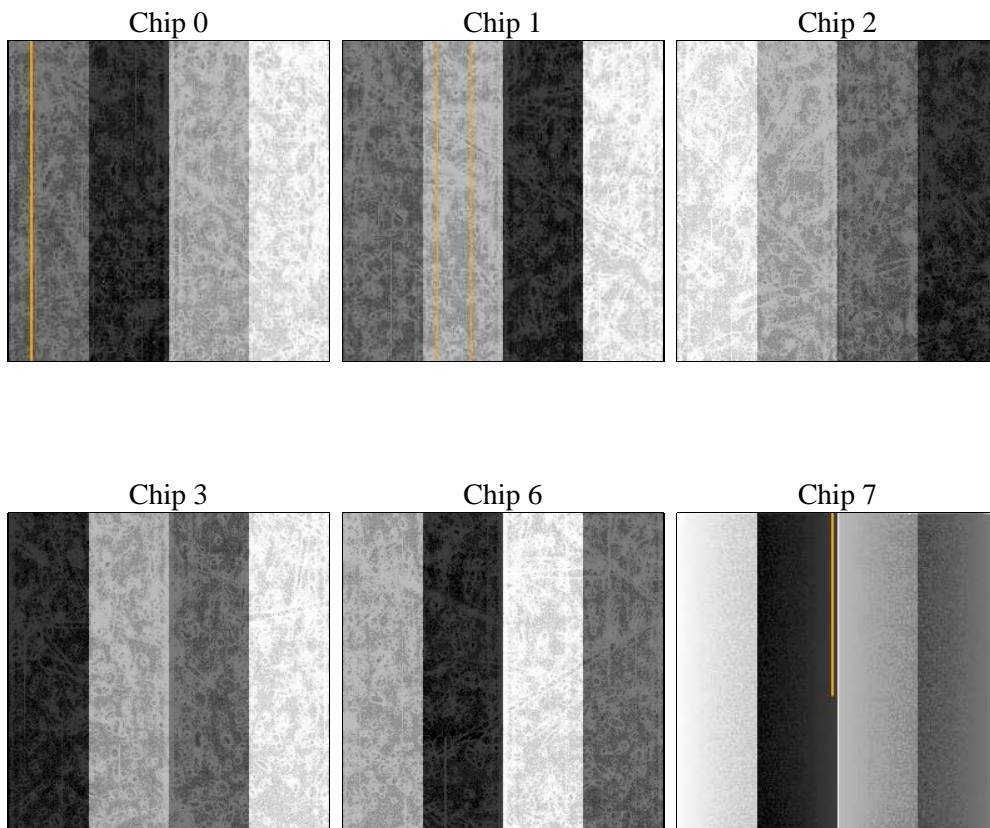
## 2 OBI

### 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	8.4.3.1	Processing system revision	ontime	8271.999969244	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime0	8271.999969244	Sum of GTIs [s]
date	2012-04-14T17:59:53	Date and time of file creation	ontime1	8271.999969244	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8271.999969244	Sum of GTIs [s]
			ontime3	8271.999969244	Sum of GTIs [s]
			ontime6	8271.999969244	Sum of GTIs [s]
			ontime7	8271.999969244	Sum of GTIs [s]
			l1events	1275250	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	203899	203416	209064	211665	215653	231553	grade 0 events	74136	73572	76304	77028	76488	36822
rejected events	67650	66728	71556	73226	72970	61843		36%	36%	36%	36%	35%	15%
rejected %	33%	32%	34%	34%	33%	26%	grade 1 events	540	427	560	584	477	156
								0%	0%	0%	0%	0%	0%
							grade 2 events	24134	24938	23383	23447	24779	37043
								11%	12%	11%	11%	11%	15%
							grade 3 events	8893	8845	9222	9274	9062	16658
								4%	4%	4%	4%	4%	7%
							grade 4 events	9041	8885	9054	9234	8984	16304
								4%	4%	4%	4%	4%	7%
							grade 5 events	3752	4050	3717	4214	4194	10311
								1%	1%	1%	1%	1%	4%
							grade 6 events	20106	20491	19603	19494	23428	62937
								9%	10%	9%	9%	10%	27%
							grade 7 events	63297	62208	67221	68390	68241	51322
								31%	30%	32%	32%	31%	22%

## 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	33.01538462535308
[deg] Pointing Dec	0	29.97467211879818
[deg] Pointing Roll	0.0	264.8555835892095
[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)	281495705.486742	281495704.46174
Observation start date	2006-12-03T01:15:05	2006-12-03T01:15:04
[s] Observation end time (MET)	281519206.687853	281519205.66285
Observation end date	2006-12-03T07:46:47	2006-12-03T07:46:45
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	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)	2012.04.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.271999969244

### A.2 Comments