

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 62821 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 9 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

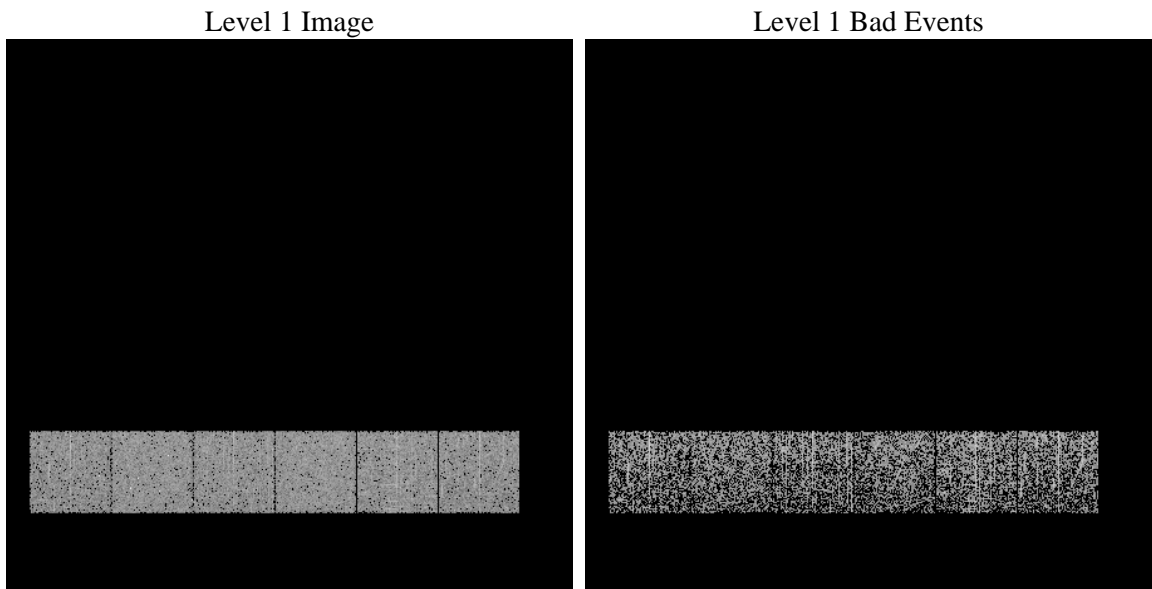
# 1 Front

seq_num	&#160	Sequence number
obs_id	62821	Observation id
title	ACIS-456789 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	331.99038252466	Nominal RA [deg]
dec_nom	18.972724574023	Nominal Dec [deg]
roll_nom	219.20056303938	Nominal Roll [deg]
revision	2	Processing version of data
ontime	572.79999792576	Sum of GTIs [s]
livetime	565.54685945327	Livetime [s]
ontime4	572.79999792576	Sum of GTIs [s]
ontime5	572.79999792576	Sum of GTIs [s]
ontime6	572.79999792576	Sum of GTIs [s]
ontime7	572.79999792576	Sum of GTIs [s]
ontime8	572.79999792576	Sum of GTIs [s]
ontime9	572.79999792576	Sum of GTIs [s]
l2events	61219	Number of level 2 events

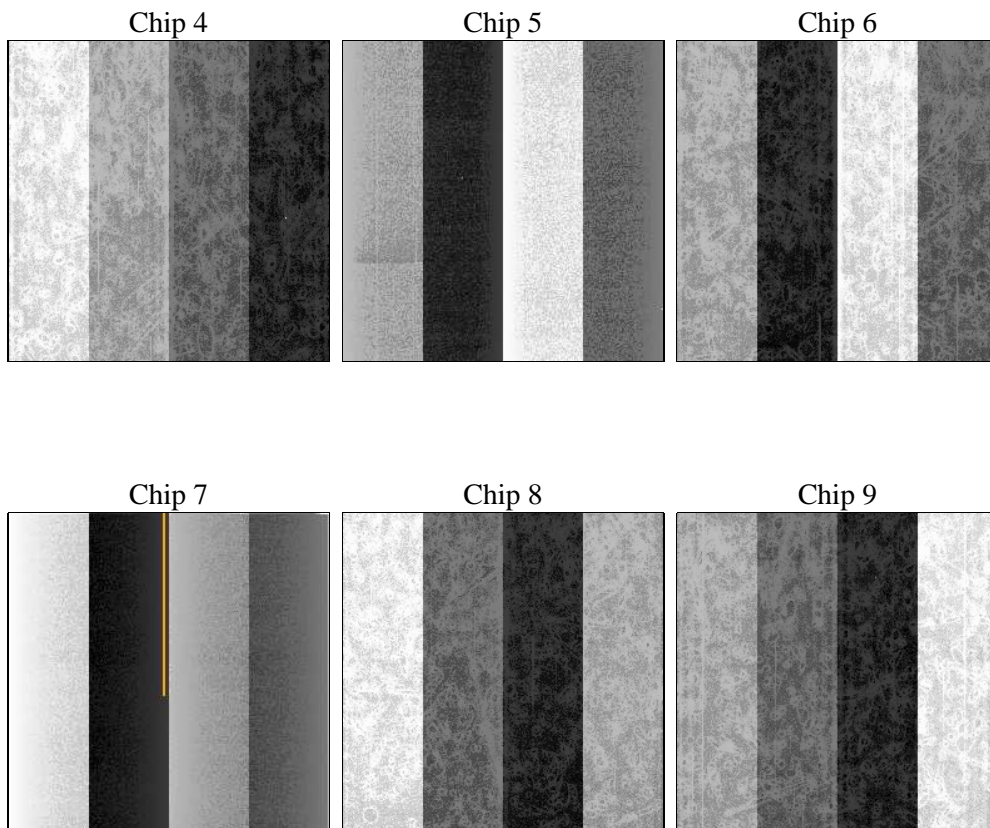
## 2 OBI

### 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	572.79999792576	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	572.79999792576	Sum of GTIs [s]
date	2012-04-09T16:01:29	Date and time of file creation	ontime5	572.79999792576	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	572.79999792576	Sum of GTIs [s]
			ontime7	572.79999792576	Sum of GTIs [s]
			ontime8	572.79999792576	Sum of GTIs [s]
			ontime9	572.79999792576	Sum of GTIs [s]
			l1events	97815	Number of level 1 events

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	15129	17092	15973	16914	17081	15626
rejected events	5311	5079	5287	4546	5979	5545
rejected %	35%	29%	33%	26%	35%	35%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	5751	2473	5886	2874	5964	5533
	38%	14%	36%	16%	34%	35%
grade 1 events	54	48	33	11	38	47
	0%	0%	0%	0%	0%	0%
grade 2 events	1622	4338	1904	2723	1971	1819
	10%	25%	11%	16%	11%	11%
grade 3 events	673	684	725	1266	828	685
	4%	4%	4%	7%	4%	4%
grade 4 events	698	654	678	1197	805	703
	4%	3%	4%	7%	4%	4%
grade 5 events	298	711	295	679	380	336
	1%	4%	1%	4%	2%	2%
grade 6 events	1280	4130	1758	4588	1818	1568
	8%	24%	11%	27%	10%	10%
grade 7 events	4753	4054	4694	3576	5277	4935
	31%	23%	29%	21%	30%	31%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	331.9903825246579	Alternating exposures requested	N	N
[deg] Pointing Dec	0	18.97272457402327	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	219.2005630393778			
[mm] SIM focus pos	-0.684267	-1.526339935833849			
[mm] SIM defocus	0	0.006996703570447904			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	274432768.403663	274432767.37868			
Observation start date	2006-09-12T07:19:28	2006-09-12T07:19:27			
[s] Observation end time (MET)	274435097.203772	274435096.17879			
Observation end date	2006-09-12T07:58:17	2006-09-12T07:58:16			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.04.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.57279999792576

### A.2 Comments