

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55364 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 11 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

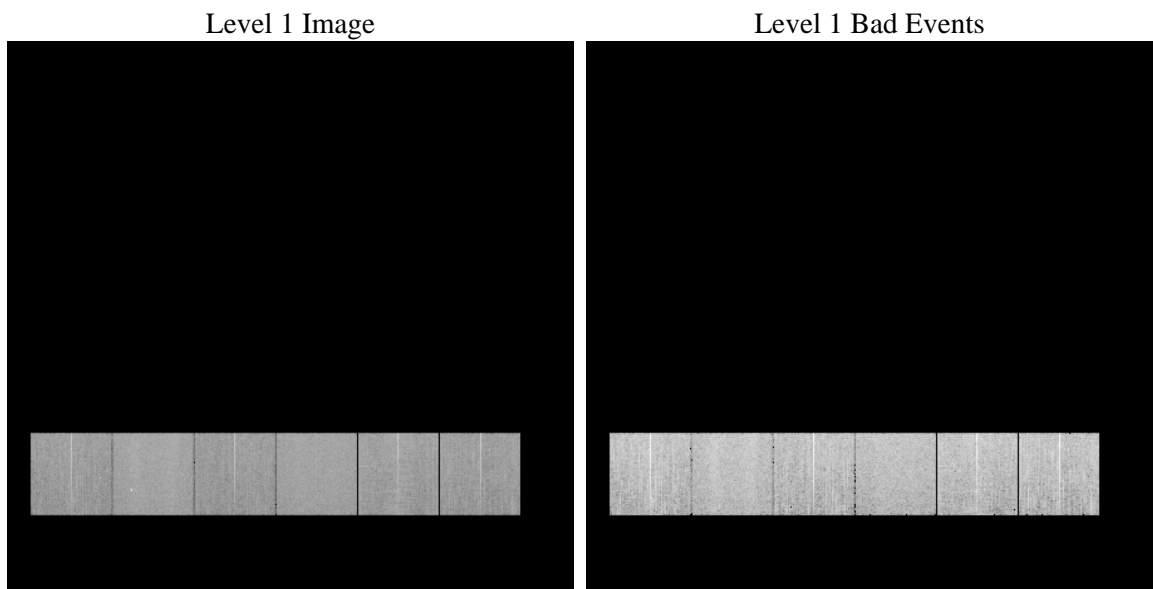
# 1 Front

seq_num	&#160	Sequence number
obs_id	55364	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	325.97672773211	Nominal RA [deg]
dec_nom	-43.976733982321	Nominal Dec [deg]
roll_nom	92.896454111322	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8278.3999692202	Sum of GTIs [s]
livetime	8173.5738841559	Livetime [s]
ontime4	8278.3999692202	Sum of GTIs [s]
ontime5	8278.3999692202	Sum of GTIs [s]
ontime6	8278.3999692202	Sum of GTIs [s]
ontime7	8278.3999692202	Sum of GTIs [s]
ontime8	8278.3999692202	Sum of GTIs [s]
ontime9	8278.3999692202	Sum of GTIs [s]
l2events	328476	Number of level 2 events

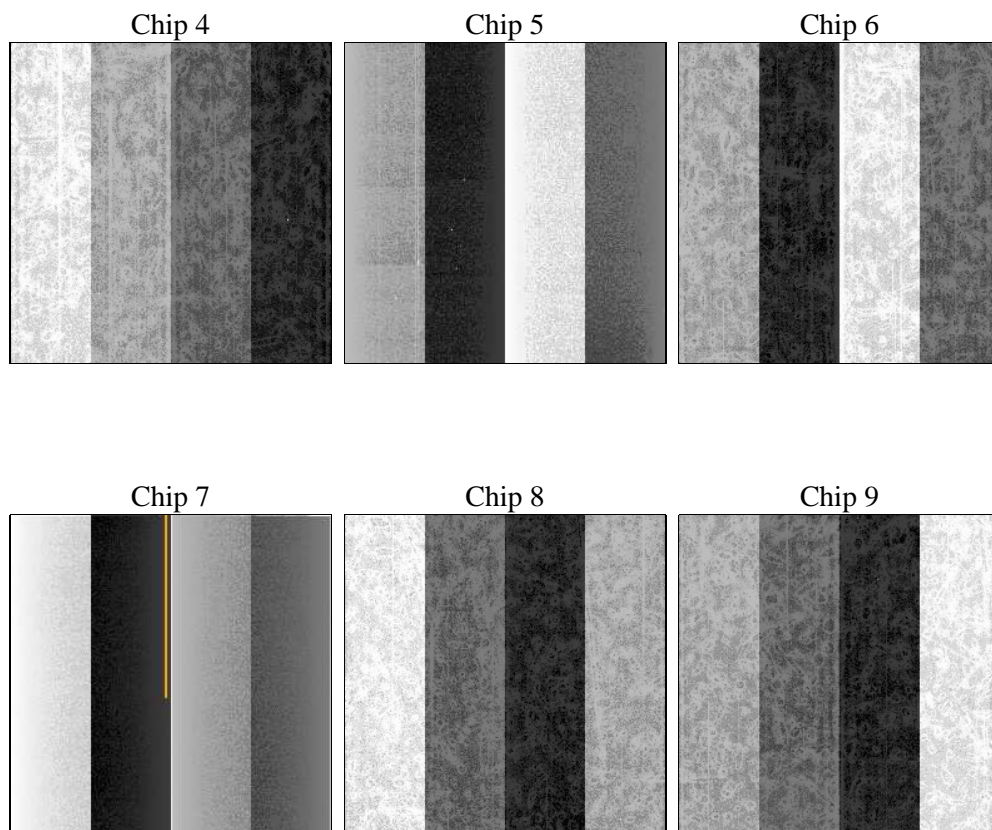
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	8278.3999692202	Sum of GTIs [s]
caldbver	4.4.7	&#160	ontime4	8278.3999692202	Sum of GTIs [s]
date	2012-02-11T21:16:28	Date and time of file creation	ontime5	8278.3999692202	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8278.3999692202	Sum of GTIs [s]
			ontime7	8278.3999692202	Sum of GTIs [s]
			ontime8	8278.3999692202	Sum of GTIs [s]
			ontime9	8278.3999692202	Sum of GTIs [s]
			l1events	740674	Number of level 1 events

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	112160	143264	109618	135085	125598	114949	grade 0 events	26836	7436	19287	11935	27268	23395
rejected events	65587	64529	60865	58814	65685	67188		23%	5%	17%	8%	21%	20%
rejected %	58%	45%	55%	43%	52%	58%	grade 1 events	230	175	88	105	161	137
								0%	0%	0%	0%	0%	0%
							grade 2 events	7218	28397	15212	17272	13348	10254
								6%	19%	13%	12%	10%	8%
							grade 3 events	3180	3026	2295	6211	4045	2909
								2%	2%	2%	4%	3%	2%
							grade 4 events	3320	2814	2331	5997	3991	2936
								2%	1%	2%	4%	3%	2%
							grade 5 events	3151	6690	2903	7912	4215	3489
								2%	4%	2%	5%	3%	3%
							grade 6 events	6039	37082	9647	34885	11280	8299
								5%	25%	8%	25%	8%	7%
							grade 7 events	62186	57644	57855	50768	61290	63530
								55%	40%	52%	37%	48%	55%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	325.9767277321062
[deg] Pointing Dec	0	-43.97673398232063
[deg] Pointing Roll	0.0	92.89645411132152
[mm] SIM focus pos	-1.429586	-1.428180813131781
[mm] SIM defocus	0.1037507710433287	0.1051558262725154
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	424065755.977288	424065754.9523
Observation start date	2011-06-10T04:02:36	2011-06-10T04:02:34
[s] Observation end time (MET)	424077440.977903	424077439.9529
Observation end date	2011-06-10T07:17:21	2011-06-10T07:17:19
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2783999692202

### A.2 Comments