

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 58739 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 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

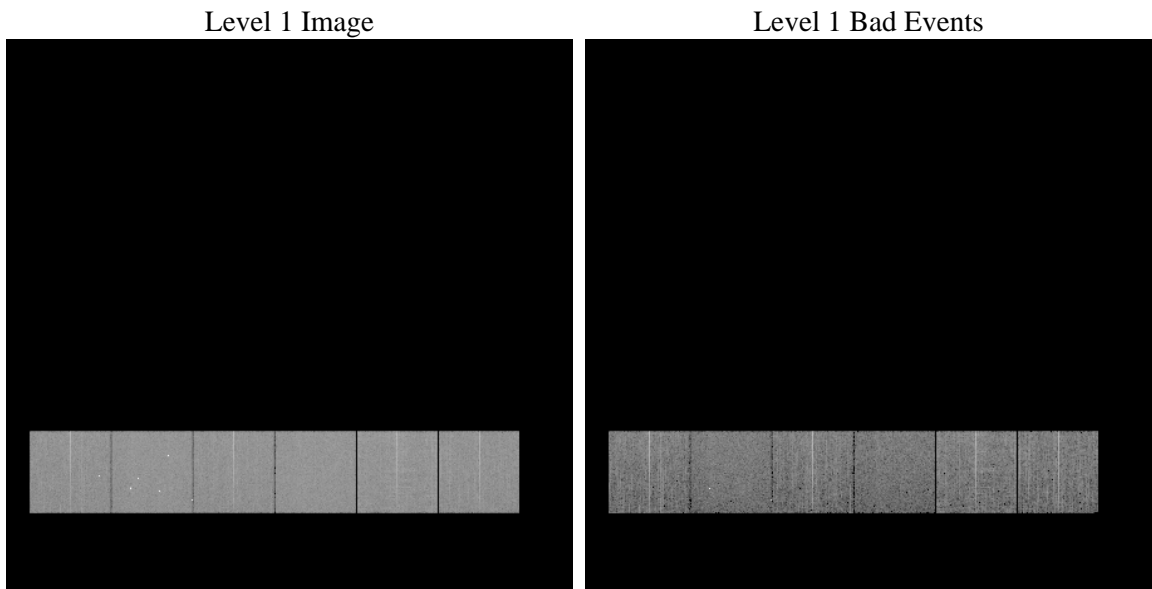
# 1 Front

seq_num	&#160	Sequence number
obs_id	58739	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	25.967502015888	Nominal RA [deg]
dec_nom	35.989185805144	Nominal Dec [deg]
roll_nom	165.08678661834	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5164.7999808192	Sum of GTIs [s]
livetime	5099.4001735929	Livetime [s]
ontime4	5161.5590701699	Sum of GTIs [s]
ontime5	5164.7999808192	Sum of GTIs [s]
ontime6	5164.7999808192	Sum of GTIs [s]
ontime7	5164.7999808192	Sum of GTIs [s]
ontime8	5164.7999808192	Sum of GTIs [s]
ontime9	5164.7999808192	Sum of GTIs [s]
l2events	540870	Number of level 2 events

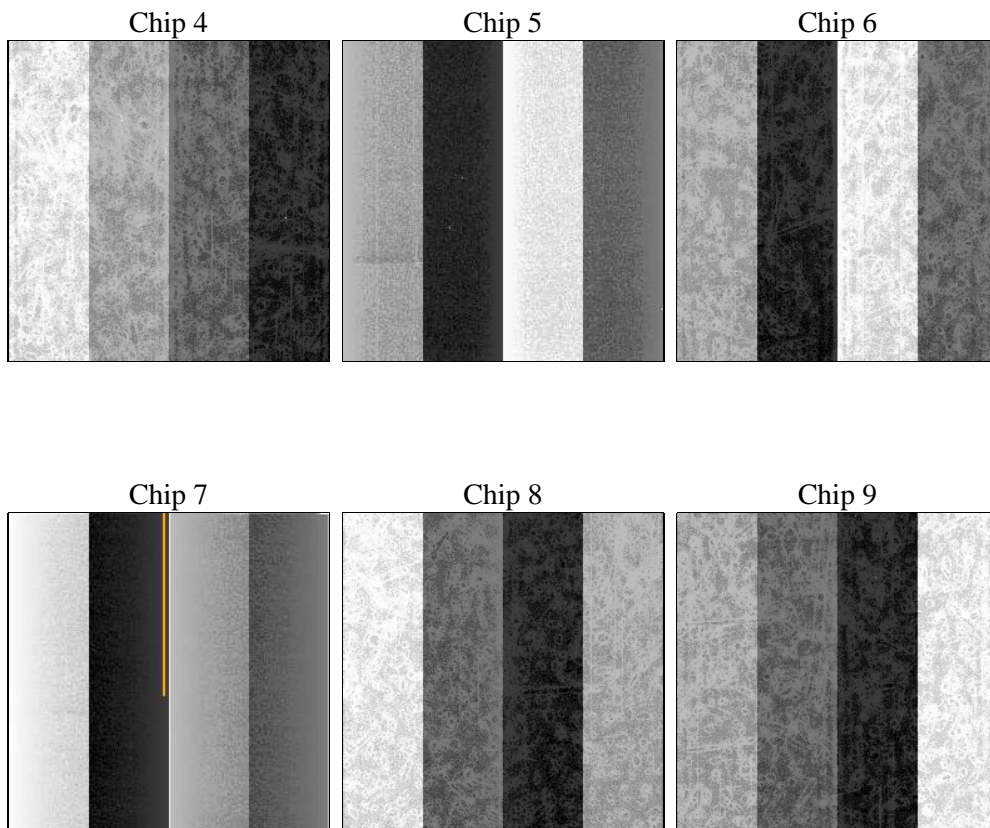
## 2 OBI

### 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	5164.7999808192	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	5161.5590701699	Sum of GTIs [s]
date	2012-04-11T16:34:34	Date and time of file creation	ontime5	5164.7999808192	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	5164.7999808192	Sum of GTIs [s]
			ontime7	5164.7999808192	Sum of GTIs [s]
			ontime8	5164.7999808192	Sum of GTIs [s]
			ontime9	5164.7999808192	Sum of GTIs [s]
			l1events	858696	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	136669	149931	139276	146417	150417	135986	grade 0 events	51317	21236	49926	23871	52132	48995
rejected events	48744	43397	46659	37366	51251	46648		37%	14%	35%	16%	34%	36%
rejected %	35%	28%	33%	25%	34%	34%	grade 1 events	447	251	277	112	347	320
								0%	0%	0%	0%	0%	0%
							grade 2 events	13623	38739	16060	23678	17565	15225
								9%	25%	11%	16%	11%	11%
							grade 3 events	5920	5323	5795	10427	6737	5838
								4%	3%	4%	7%	4%	4%
							grade 4 events	5826	5050	5712	10440	6691	5840
								4%	3%	4%	7%	4%	4%
							grade 5 events	2648	6878	2720	6398	3369	2895
								1%	4%	1%	4%	2%	2%
							grade 6 events	11239	36186	15124	40635	16041	13440
								8%	24%	10%	27%	10%	9%
							grade 7 events	45649	36268	43662	30856	47535	43433
								33%	24%	31%	21%	31%	31%

## 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	25.96750201588777
[deg] Pointing Dec	0	35.9891858051437
[deg] Pointing Roll	0.0	165.0867866183424
[mm] SIM focus pos	-0.684267	-0.7809083437167272
[mm] SIM defocus	0	0.7524282956875696
[mm] SIM translation stage pos	-190.132523	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	277158936.432014	277158935.407
Observation start date	2006-10-13T20:35:36	2006-10-13T20:35:35
[s] Observation end time (MET)	277178764.032948	277178763.00794
Observation end date	2006-10-14T02:06:04	2006-10-14T02:06:03
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)	2012.04.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1647999808192

### A.2 Comments