

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 58789 - 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

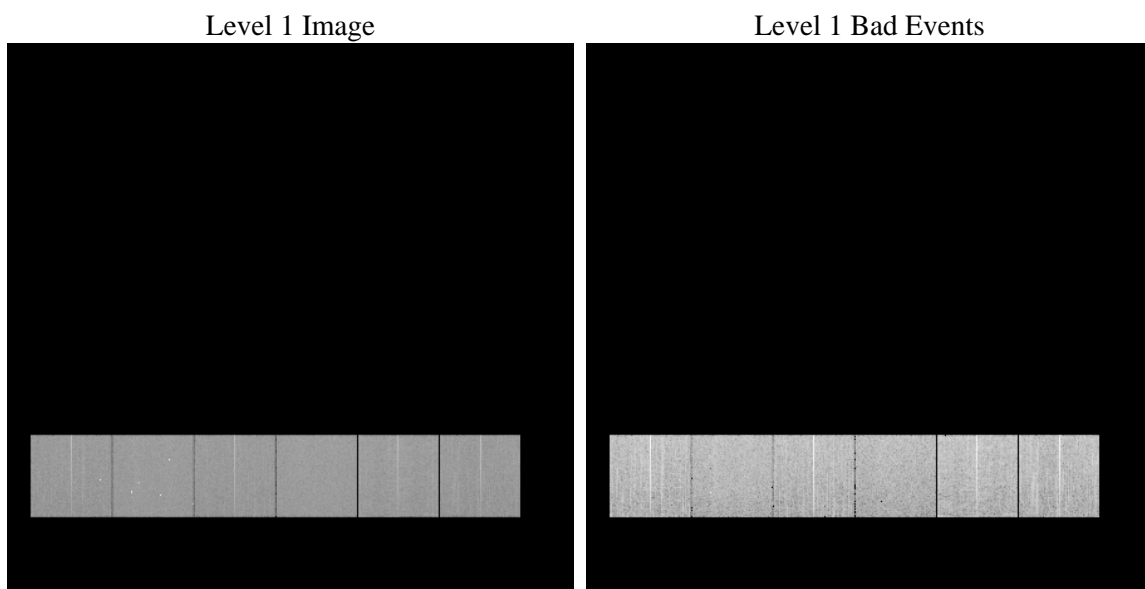
# 1 Front

seq_num	&#160	Sequence number
obs_id	58789	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	352.02828520668	Nominal RA [deg]
dec_nom	-31.984376365924	Nominal Dec [deg]
roll_nom	0.27487073889146	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7791.9999710321	Sum of GTIs [s]
livetime	7693.3329756198	Livetime [s]
ontime4	7791.880503118	Sum of GTIs [s]
ontime5	7791.9625831246	Sum of GTIs [s]
ontime6	7791.9215431213	Sum of GTIs [s]
ontime7	7791.9999710321	Sum of GTIs [s]
ontime8	7791.8394631147	Sum of GTIs [s]
ontime9	7791.9999710321	Sum of GTIs [s]
l2events	834231	Number of level 2 events

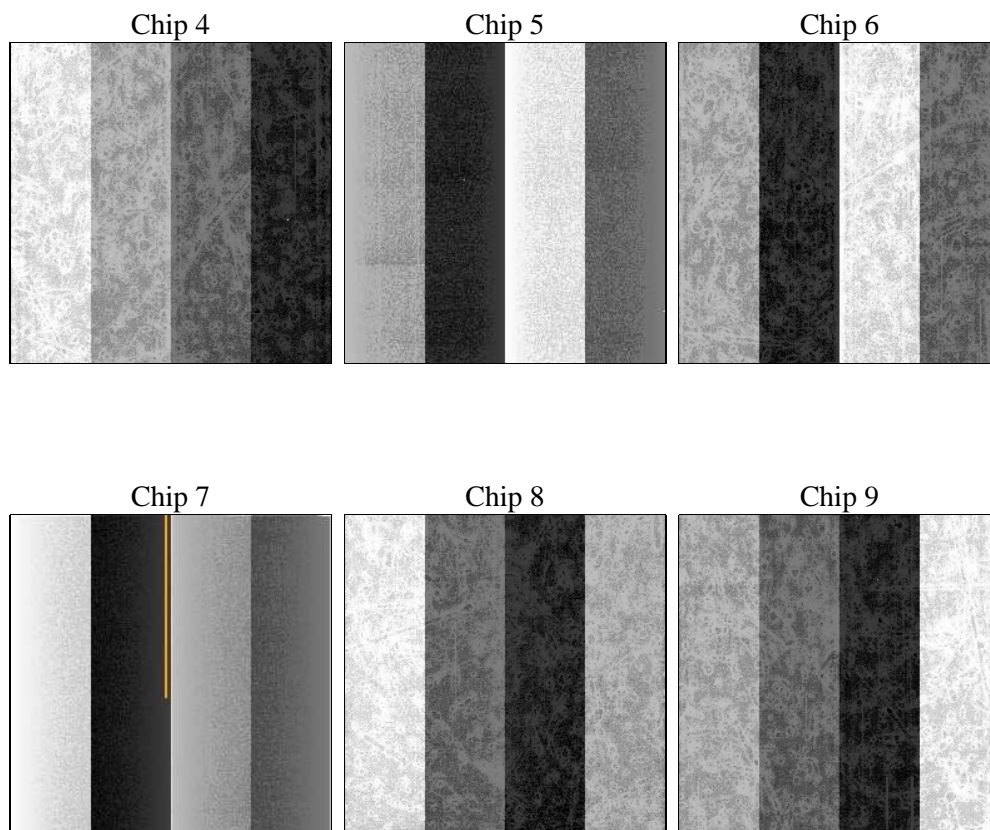
## 2 OBI

### 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	7791.9999710321	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	7791.880503118	Sum of GTIs [s]
date	2012-04-09T17:12:13	Date and time of file creation	ontime5	7791.9625831246	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7791.9215431213	Sum of GTIs [s]
			ontime7	7791.9999710321	Sum of GTIs [s]
			ontime8	7791.8394631147	Sum of GTIs [s]
			ontime9	7791.9999710321	Sum of GTIs [s]
			l1events	1311402	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	209722	222884	212205	226368	228738	211485	grade 0 events	78047	31992	77222	37701	80423	75036
rejected events	74937	62800	69018	57624	75353	73353		37%	14%	36%	16%	35%	35%
rejected %	35%	28%	32%	25%	32%	34%	grade 1 events	775	212	480	178	533	552
								0%	0%	0%	0%	0%	0%
							grade 2 events	21364	56797	24921	37182	27554	23670
								10%	25%	11%	16%	12%	11%
							grade 3 events	9216	8609	8954	16484	10487	8983
								4%	3%	4%	7%	4%	4%
							grade 4 events	8988	8476	9038	16161	10281	9167
								4%	3%	4%	7%	4%	4%
							grade 5 events	3727	9161	4048	9774	5143	4495
								1%	4%	1%	4%	2%	2%
							grade 6 events	17232	54276	23122	61285	24703	21332
								8%	24%	10%	27%	10%	10%
							grade 7 events	70373	53361	64420	47603	69614	68250
								33%	23%	30%	21%	30%	32%

## 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	352.0282852066824	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-31.98437636592363	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	0.2748707388914611			
[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)	274602641.661672	274602640.63667			
Observation start date	2006-09-14T06:30:42	2006-09-14T06:30:40			
[s] Observation end time (MET)	274622010.062583	274622009.03758			
Observation end date	2006-09-14T11:53:30	2006-09-14T11:53:29			
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	7.7919999710321

### **A.2 Comments**