

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57344 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 30 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

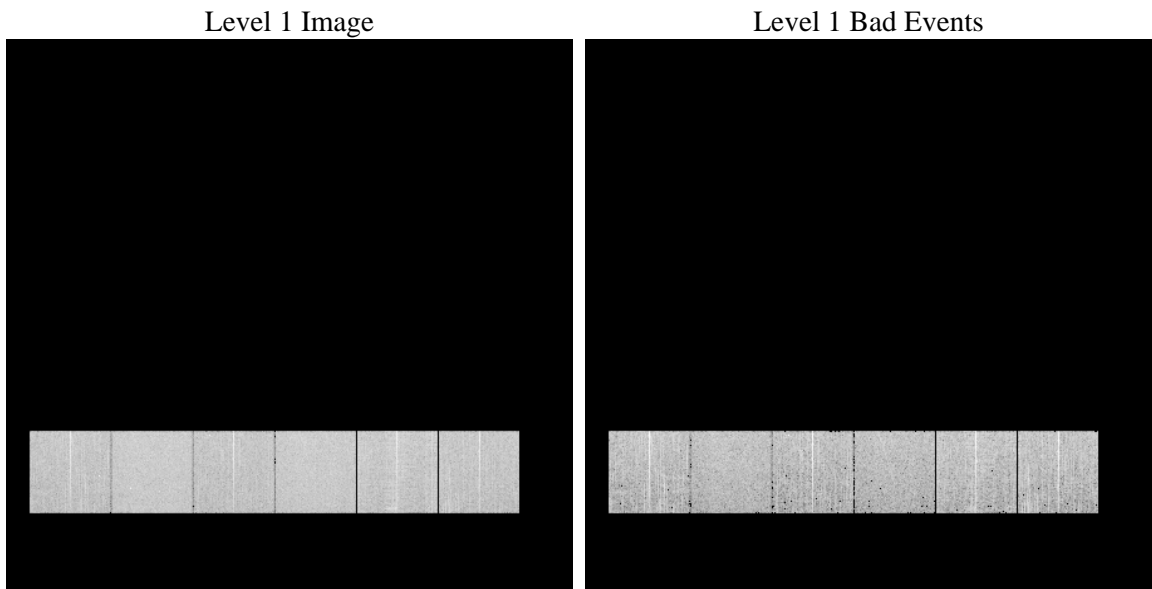
# 1 Front

seq_num	&#160	Sequence number
obs_id	57344	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	119.52829604499	Nominal RA [deg]
dec_nom	-3.5947697931957	Nominal Dec [deg]
roll_nom	337.58865327238	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4444.7999835014	Sum of GTIs [s]
livetime	4388.5172497731	Livetime [s]
ontime4	4444.7999835014	Sum of GTIs [s]
ontime5	4444.7999835014	Sum of GTIs [s]
ontime6	4444.7999835014	Sum of GTIs [s]
ontime7	4444.7999835014	Sum of GTIs [s]
ontime8	4444.7999835014	Sum of GTIs [s]
ontime9	4444.7999835014	Sum of GTIs [s]
l2events	296951	Number of level 2 events

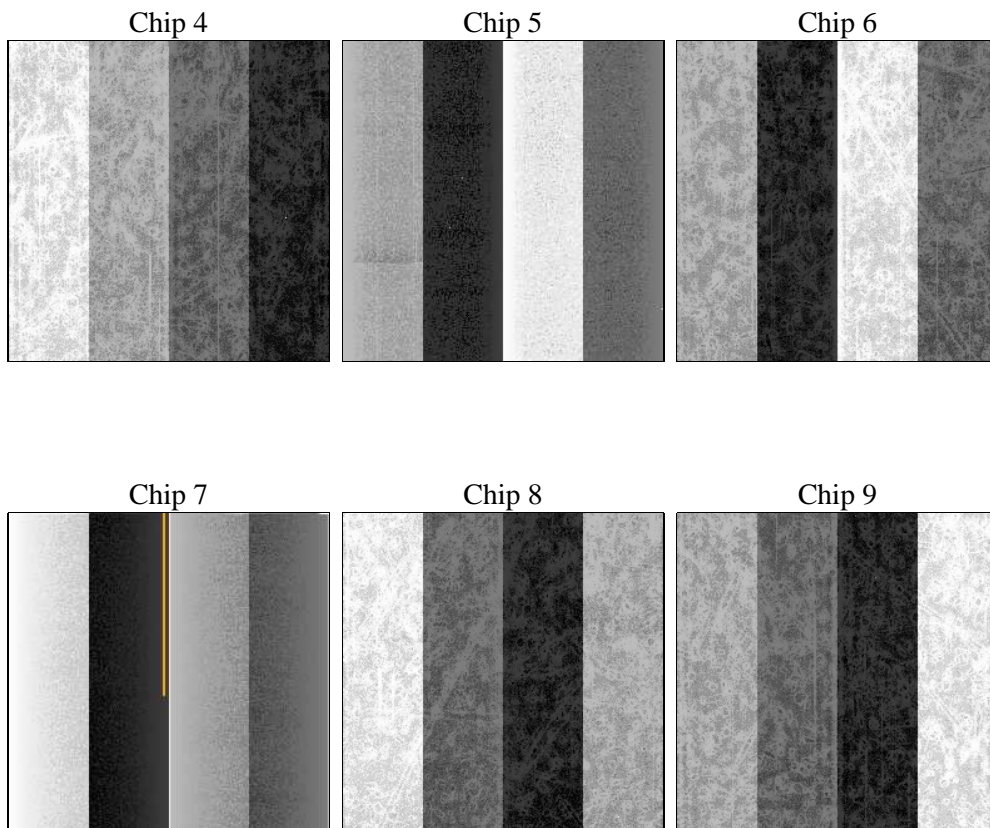
## 2 OBI

### 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	8.4.4	Processing system revision	ontime	4444.7999835014	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	4444.7999835014	Sum of GTIs [s]
date	2012-05-30T08:34:44	Date and time of file creation	ontime5	4444.7999835014	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	4444.7999835014	Sum of GTIs [s]
			ontime7	4444.7999835014	Sum of GTIs [s]
			ontime8	4444.7999835014	Sum of GTIs [s]
			ontime9	4444.7999835014	Sum of GTIs [s]
			l1events	576456	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	89136	104659	87888	102831	101396	90546	grade 0 events	25300	9237	24971	12250	27078	24572
rejected events	45011	40140	40789	37701	46663	45011		28%	8%	28%	11%	26%	27%
rejected %	50%	38%	46%	36%	46%	49%	grade 1 events	295	110	207	87	181	170
								0%	0%	0%	0%	0%	0%
							grade 2 events	7074	23149	8500	14057	10294	7934
								7%	22%	9%	13%	10%	8%
							grade 3 events	3060	2994	3040	6142	4069	3075
								3%	2%	3%	5%	4%	3%
							grade 4 events	3050	3011	2983	6079	4087	3036
								3%	2%	3%	5%	4%	3%
							grade 5 events	2358	5400	2390	6084	3030	2608
								2%	5%	2%	5%	2%	2%
							grade 6 events	5908	26495	7886	26993	9474	7176
								6%	25%	8%	26%	9%	7%
							grade 7 events	42091	34263	37911	31139	43183	41975
								47%	32%	43%	30%	42%	46%

## 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	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	119.5282960449865	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-3.594769793195667	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	337.5886532723752	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.7809083437167272			
[mm] SIM defocus	0.1037507710433287	0.7524282956875696			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	349364110.931945	349364109.90696			
Observation start date	2009-01-26T13:35:11	2009-01-26T13:35:09			
[s] Observation end time (MET)	349370312.182252	349370311.15726			
Observation end date	2009-01-26T15:18:32	2009-01-26T15:18:31			
Read mode	TIMED	TIMED			

## **2.3 Star Slots**

## **2.4 FID Slots**

## **A Summary**

### **A.1 Status**

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.06.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.4447999835014

### **A.2 Comments**