

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61090 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 13 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

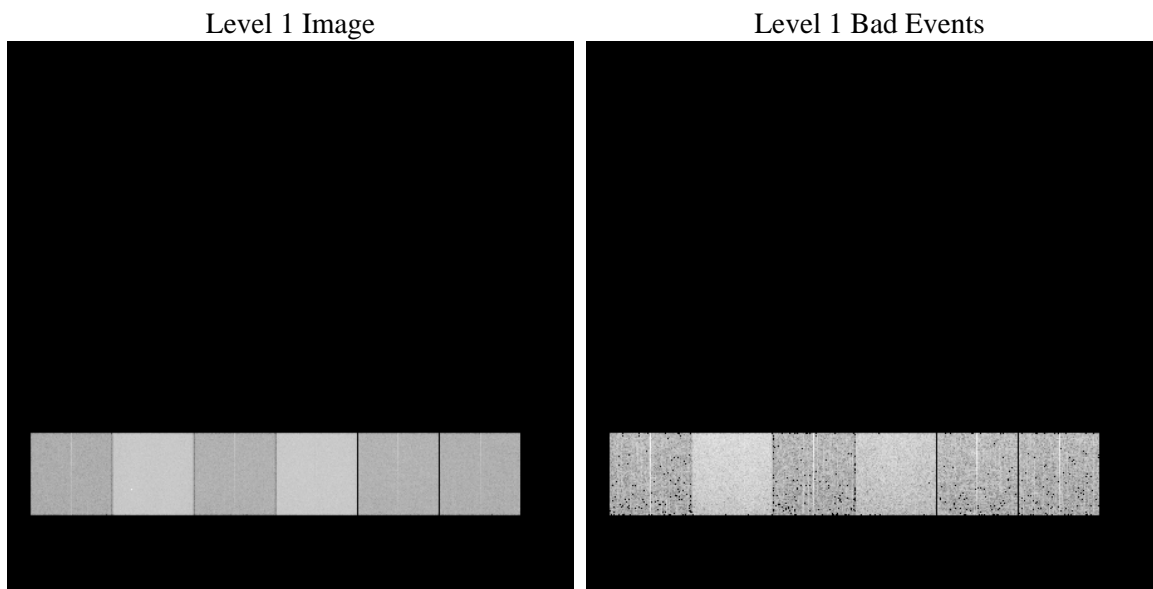
# 1 Front

seq_num	&#160	Sequence number
obs_id	61090	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	349.87397339145	Nominal RA [deg]
dec_nom	2.5120847287448	Nominal Dec [deg]
roll_nom	122.36593501264	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7971.2619810402	Sum of GTIs [s]
livetime	7870.3250621186	Livetime [s]
ontime4	2913.6918933392	Sum of GTIs [s]
ontime5	8399.028087616	Sum of GTIs [s]
ontime6	3208.6251874268	Sum of GTIs [s]
ontime7	7971.2619810402	Sum of GTIs [s]
ontime8	3292.8918787837	Sum of GTIs [s]
ontime9	3096.8631488383	Sum of GTIs [s]
l2events	1301822	Number of level 2 events

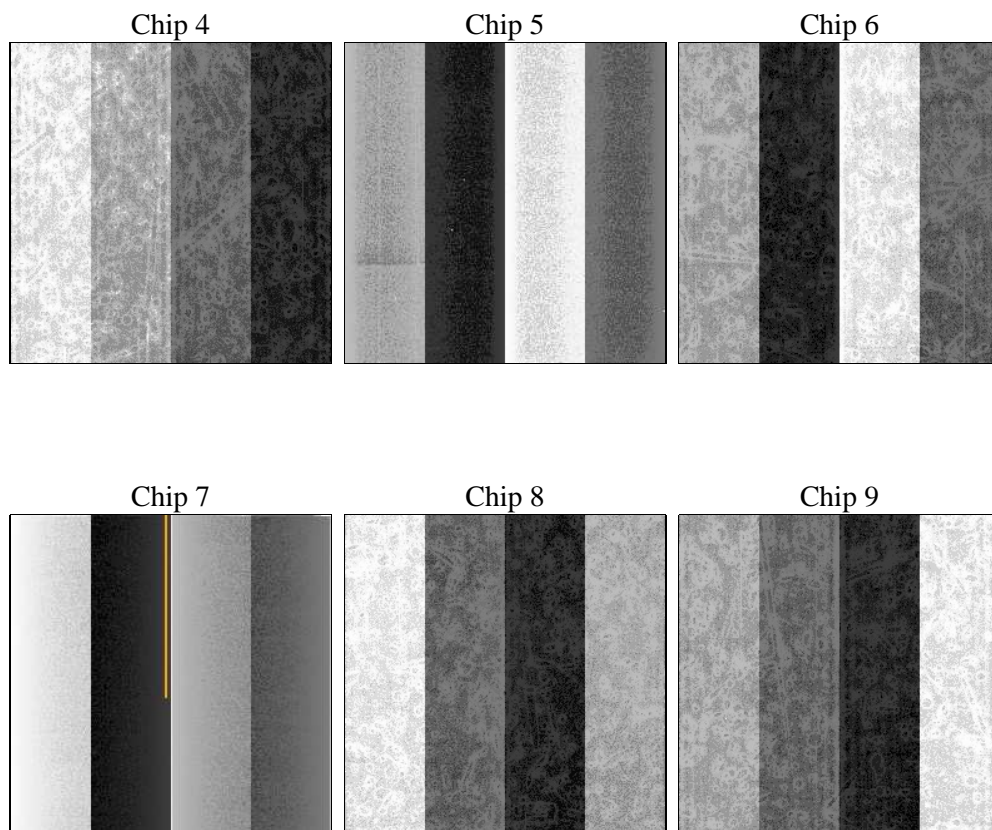
## 2 OBI

### 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	8.4.5	Processing system revision	ontime	7971.2619810402	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime4	2913.6918933392	Sum of GTIs [s]
date	2012-10-13T23:28:36	Date and time of file creation	ontime5	8399.028087616	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	3208.6251874268	Sum of GTIs [s]
			ontime7	7971.2619810402	Sum of GTIs [s]
			ontime8	3292.8918787837	Sum of GTIs [s]
			ontime9	3096.8631488383	Sum of GTIs [s]
			l1events	1557896	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	156650	419338	181798	436772	191254	172084	grade 0 events	78371	77101	87530	98918	91809	83555
rejected events	23711	60762	23027	43730	26085	23148		50%	18%	48%	22%	48%	48%
rejected %	15%	14%	12%	10%	13%	13%	grade 1 events	538	260	427	235	440	506
								0%	0%	0%	0%	0%	0%
							grade 2 events	20708	138534	27414	87433	28837	25375
								13%	33%	15%	20%	15%	14%
							grade 3 events	8988	20899	9792	40104	10607	9601
								5%	4%	5%	9%	5%	5%
							grade 4 events	8945	20314	9914	39333	10562	9363
								5%	4%	5%	9%	5%	5%
							grade 5 events	1457	10211	1611	7962	1874	1588
								0%	2%	0%	1%	0%	0%
							grade 6 events	17058	104520	25452	130190	24445	22101
								10%	24%	14%	29%	12%	12%
							grade 7 events	20585	47499	19658	32597	22680	19995
								13%	11%	10%	7%	11%	11%

## 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	349.8739733914515	Alternating exposures requested	N	N
[deg] Pointing Dec	0	2.512084728744786	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	122.3659350126444			
[mm] SIM focus pos	-0.684267	-1.428180813131781			
[mm] SIM defocus	0	0.1051558262725154			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	145330357.526	145330356.50121			
Observation start date	2002-08-10T01:32:38	2002-08-10T01:32:36			
[s] Observation end time (MET)	145352946.477	145352945.45215			
Observation end date	2002-08-10T07:49:06	2002-08-10T07:49:05			
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)	2012.10.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.9712619810402

### **A.2 Comments**