

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 54262 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Oct 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

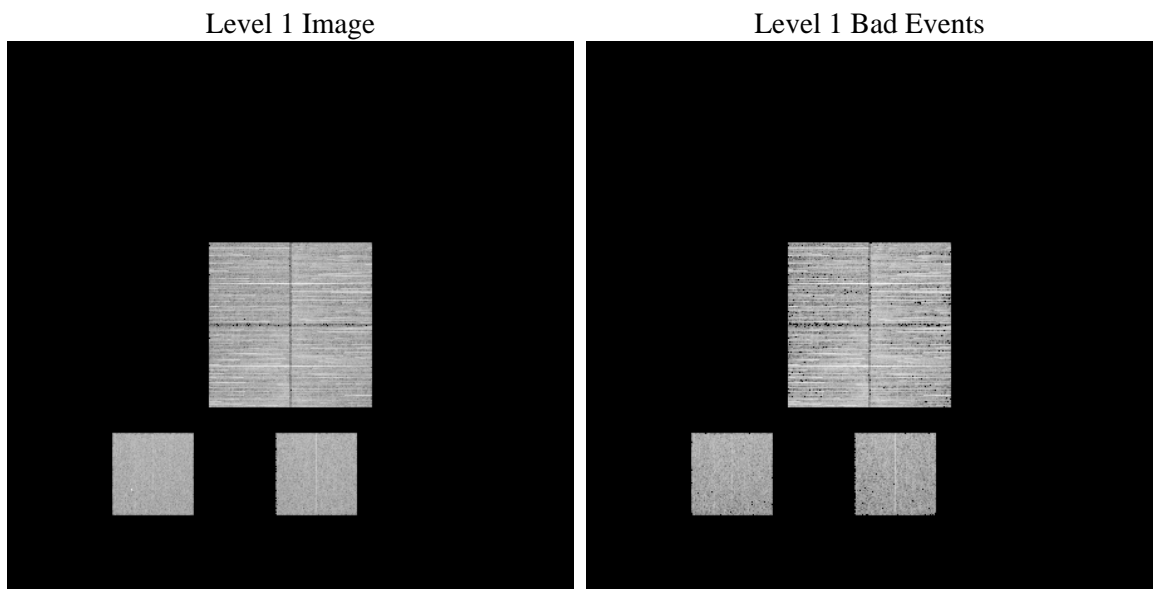
# 1 Front

seq_num	&#160	Sequence number
obs_id	54262	Observation id
title	ACIS-012357 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	16.879904979589	Nominal RA [deg]
dec_nom	-19.510686677321	Nominal Dec [deg]
roll_nom	5.5133752686685	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4435.1999835372	Sum of GTIs [s]
livetime	4379.0388107888	Livetime [s]
ontime0	4435.1999835372	Sum of GTIs [s]
ontime1	4435.1999835372	Sum of GTIs [s]
ontime2	4435.1999835372	Sum of GTIs [s]
ontime3	4435.1999835372	Sum of GTIs [s]
ontime5	4435.1999835372	Sum of GTIs [s]
ontime7	4435.1999835372	Sum of GTIs [s]
l2events	139762	Number of level 2 events

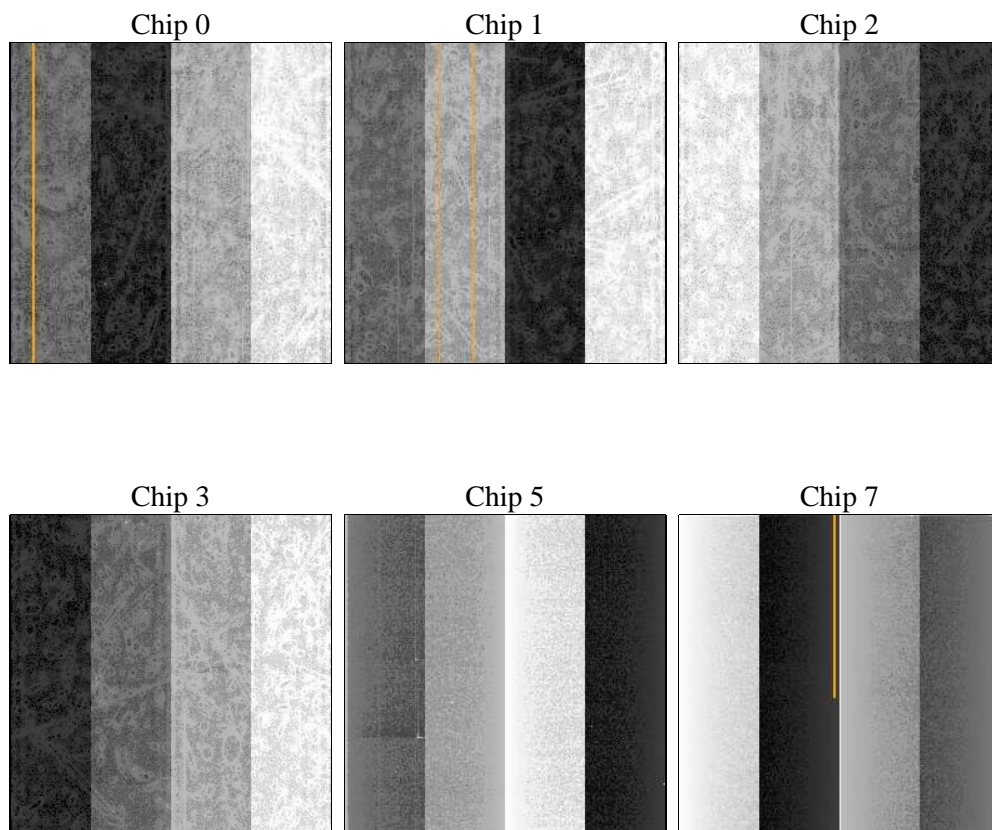
## 2 OBI

### 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	4435.1999835372	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime0	4435.1999835372	Sum of GTIs [s]
date	2012-10-09T11:49:08	Date and time of file creation	ontime1	4435.1999835372	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	4435.1999835372	Sum of GTIs [s]
			ontime3	4435.1999835372	Sum of GTIs [s]
			ontime5	4435.1999835372	Sum of GTIs [s]
			ontime7	4435.1999835372	Sum of GTIs [s]
			l1events	479843	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	73202	88029	90530	86113	72369	69600	grade 0 events	10060	9802	10476	10477	3453	5126
rejected events	53573	68241	70689	66362	38310	36048		13%	11%	11%	12%	4%	7%
rejected %	73%	77%	78%	77%	52%	51%	grade 1 events	50	43	47	50	68	44
								0%	0%	0%	0%	0%	0%
							grade 2 events	3842	4160	3787	3696	12973	8271
								5%	4%	4%	4%	17%	11%
							grade 3 events	1305	1293	1338	1391	1232	2800
								1%	1%	1%	1%	1%	4%
							grade 4 events	1297	1286	1296	1330	1159	2803
								1%	1%	1%	1%	1%	4%
							grade 5 events	1535	1486	1488	1754	3155	3940
								2%	1%	1%	2%	4%	5%
							grade 6 events	3125	3247	2944	2857	15242	14552
								4%	3%	3%	3%	21%	20%
							grade 7 events	51988	66712	69154	64558	35087	32064
								71%	75%	76%	74%	48%	46%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	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	16.87990497958871	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-19.51068667732103	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	5.513375268668534	[s] Primary exposure time	3.2	3.2
[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)	466107800.287382	466107799.26238			
Observation start date	2012-10-08T18:23:20	2012-10-08T18:23:19			
[s] Observation end time (MET)	466115457.037792	466115456.01279			
Observation end date	2012-10-08T20:30:57	2012-10-08T20:30:56			
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)	2012.10.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.4351999835372

### A.2 Comments