

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 58779 - 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

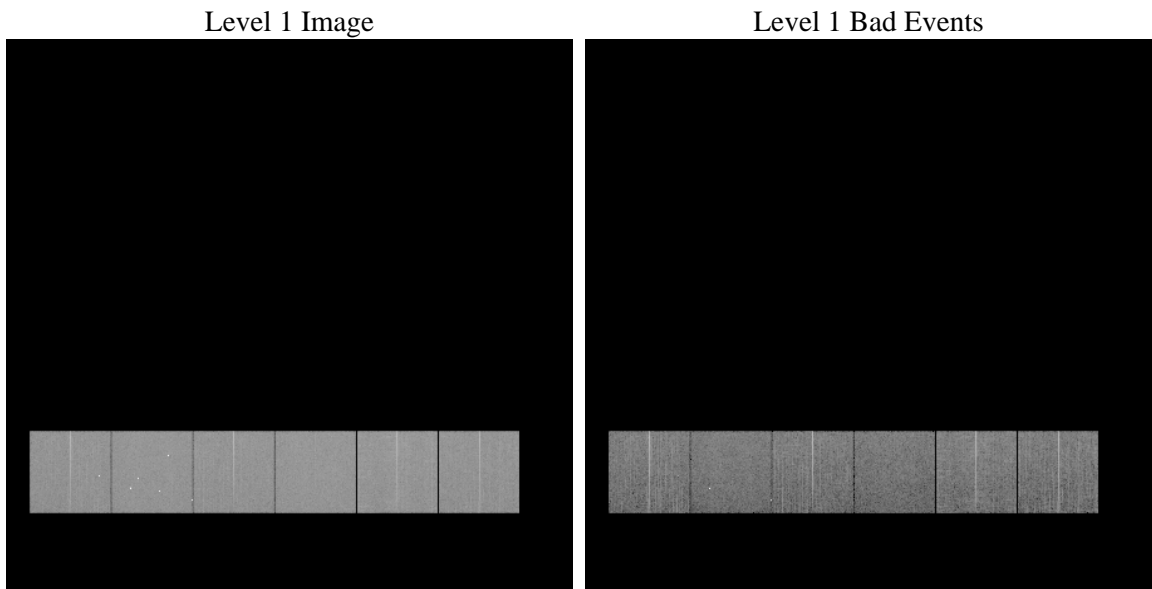
# 1 Front

seq_num	&#160	Sequence number
obs_id	58779	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	328.01430071829	Nominal RA [deg]
dec_nom	-0.024808230899546	Nominal Dec [deg]
roll_nom	267.067829367	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7795.1999710202	Sum of GTIs [s]
livetime	7696.4924552813	Livetime [s]
ontime4	7603.9821431041	Sum of GTIs [s]
ontime5	7795.1999710202	Sum of GTIs [s]
ontime6	7697.9706017375	Sum of GTIs [s]
ontime7	7795.1999710202	Sum of GTIs [s]
ontime8	7714.1754831672	Sum of GTIs [s]
ontime9	7636.3919655681	Sum of GTIs [s]
l2events	904494	Number of level 2 events

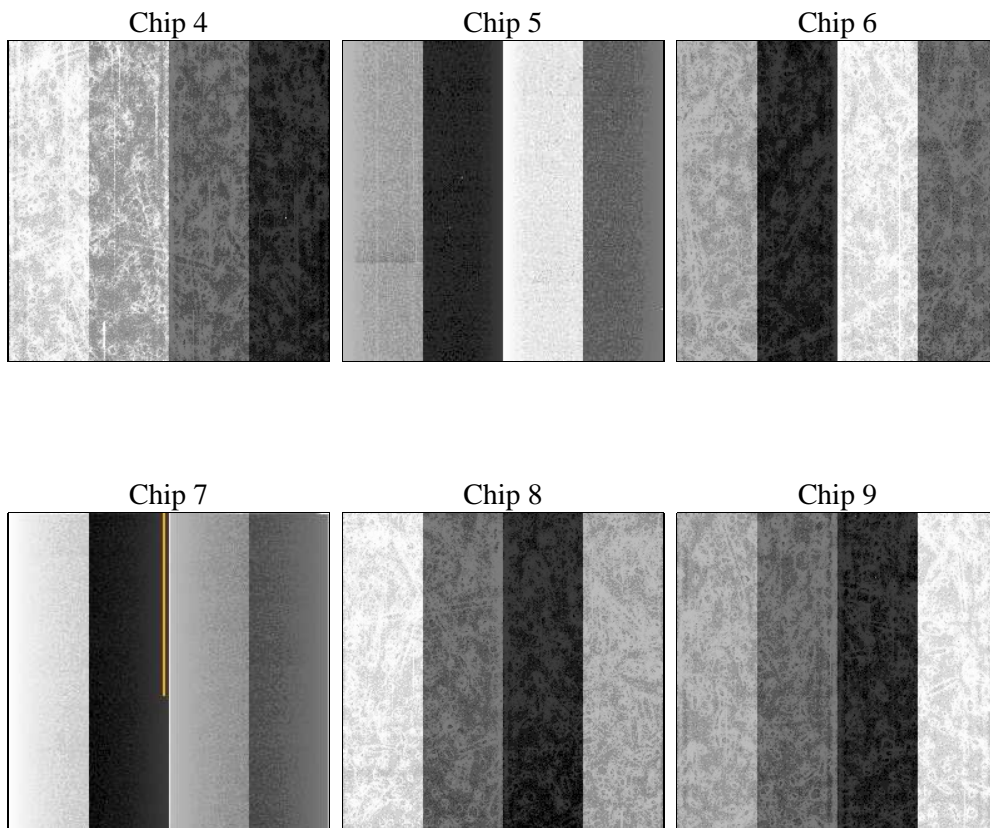
## 2 OBI

### 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	7795.1999710202	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	7603.9821431041	Sum of GTIs [s]
date	2012-04-09T18:50:07	Date and time of file creation	ontime5	7795.1999710202	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7697.9706017375	Sum of GTIs [s]
			ontime7	7795.1999710202	Sum of GTIs [s]
			ontime8	7714.1754831672	Sum of GTIs [s]
			ontime9	7636.3919655681	Sum of GTIs [s]
			l1events	1393096	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	221759	238997	226838	238446	245564	221492	grade 0 events	85097	34627	82456	40672	87954	81082
rejected events	74696	66697	70502	57877	77122	71057		38%	14%	36%	17%	35%	36%
rejected %	33%	27%	31%	24%	31%	32%	grade 1 events	821	514	547	194	544	615
								0%	0%	0%	0%	0%	0%
							grade 2 events	22358	62111	27481	39198	30070	25767
								10%	25%	12%	16%	12%	11%
							grade 3 events	9862	8385	9726	17271	11242	9617
								4%	3%	4%	7%	4%	4%
							grade 4 events	9786	8370	9722	17054	11055	9602
								4%	3%	4%	7%	4%	4%
							grade 5 events	3775	10498	4097	9791	5034	4393
								1%	4%	1%	4%	2%	1%
							grade 6 events	20033	58807	26951	66374	28215	24367
								9%	24%	11%	27%	11%	11%
							grade 7 events	70027	55685	65858	47892	71450	66049
								31%	23%	29%	20%	29%	29%

## 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	328.0143007182891
[deg] Pointing Dec	0	-0.02480823089954582
[deg] Pointing Roll	0.0	267.0678293670048
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.8505141146731063
[mm] SIM translation stage pos	-190.132523	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	275057866.733091	275057865.70808
Observation start date	2006-09-19T12:57:47	2006-09-19T12:57:45
[s] Observation end time (MET)	275077237.184002	275077236.15899
Observation end date	2006-09-19T18:20:37	2006-09-19T18:20:36
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.04.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7951999710202

### **A.2 Comments**