

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58375 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Apr 25 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

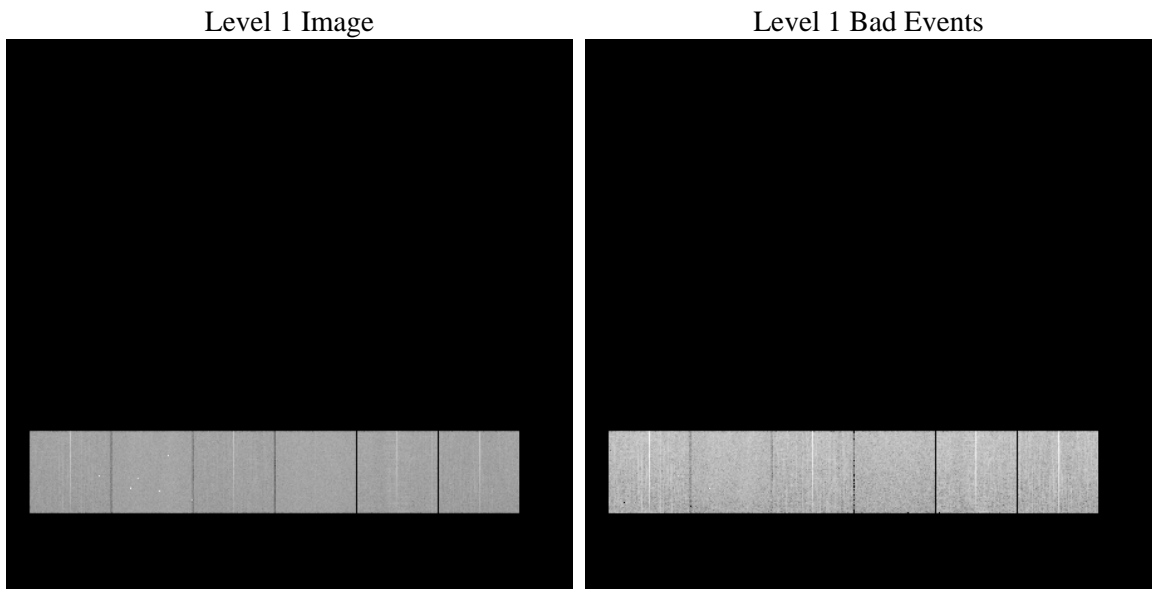
# 1 Front

seq_num	&#160	Sequence number
obs_id	58375	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	250.17400622079	Nominal RA [deg]
dec_nom	-49.910593648279	Nominal Dec [deg]
roll_nom	4.7167064614687	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7679.5913809538	Sum of GTIs [s]
livetime	7582.3477707934	Livetime [s]
ontime4	7679.4682609439	Sum of GTIs [s]
ontime5	7679.5503409505	Sum of GTIs [s]
ontime6	7679.5093009472	Sum of GTIs [s]
ontime7	7679.5913809538	Sum of GTIs [s]
ontime8	7679.4272209406	Sum of GTIs [s]
ontime9	7679.6324209571	Sum of GTIs [s]
l2events	709420	Number of level 2 events

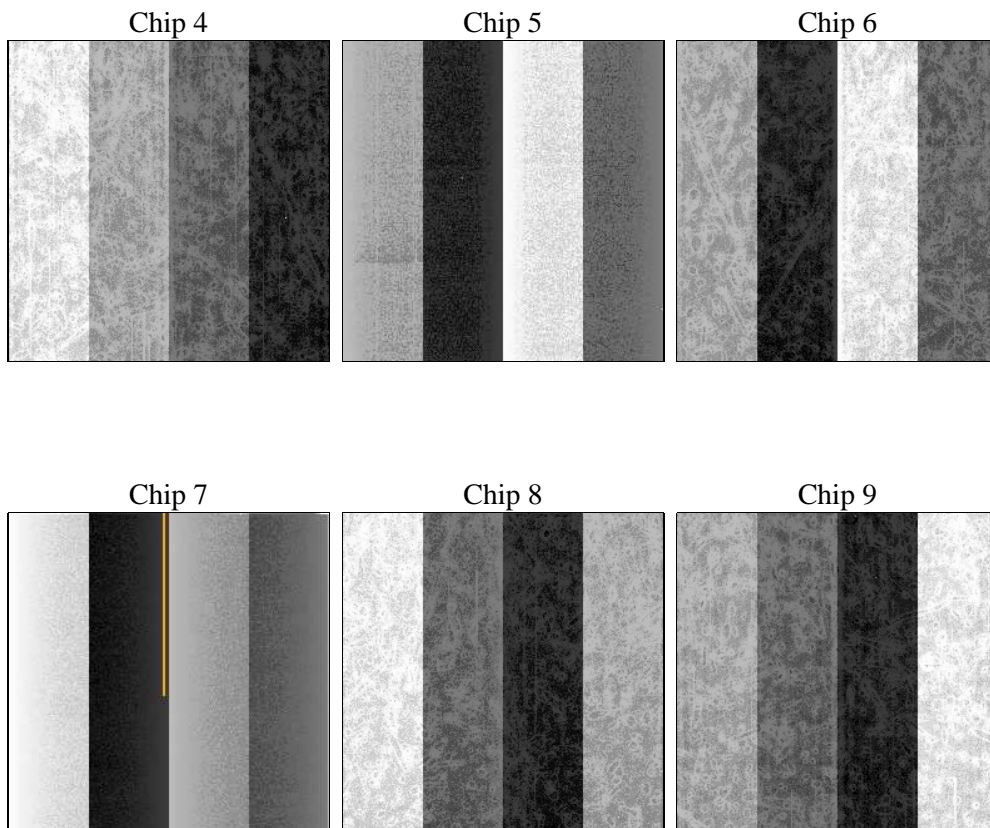
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6420	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	7679.5913809538	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	7679.4682609439	Sum of GTIs [s]
date	2012-04-25T12:14:41	Date and time of file creation	ontime5	7679.5503409505	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	7679.5093009472	Sum of GTIs [s]
			ontime7	7679.5913809538	Sum of GTIs [s]
			ontime8	7679.4272209406	Sum of GTIs [s]
			ontime9	7679.6324209571	Sum of GTIs [s]
			l1events	1202427	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	190022	210068	191843	210652	209884	189958	grade 0 events	65285	28251	64473	31848	68725	62749
rejected events	78233	67050	73201	63310	78867	75538		34%	13%	33%	15%	32%	33%
rejected %	41%	31%	38%	30%	37%	39%	grade 1 events	624	390	395	151	437	526
								0%	0%	0%	0%	0%	0%
							grade 2 events	18004	50186	21076	32885	24003	20208
								9%	23%	10%	15%	11%	10%
							grade 3 events	7604	7968	7761	14513	9194	7620
								4%	3%	4%	6%	4%	4%
							grade 4 events	7855	7621	7717	14420	9263	7711
								4%	3%	4%	6%	4%	4%
							grade 5 events	3815	9436	4143	10380	5159	4580
								2%	4%	2%	4%	2%	2%
							grade 6 events	14808	51187	19417	55859	21768	17805
								7%	24%	10%	26%	10%	9%
							grade 7 events	72027	55029	66861	50596	71335	68759
								37%	26%	34%	24%	33%	36%

## 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	250.1740063113503	250.174006220785
[deg] Pointing Dec	-49.91059394446883	-49.91059364827874
[deg] Pointing Roll	4.71670654131121	4.716706461468651
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	296991797.673373	296991797.673373
Observation start date	2007-05-31T10:09:00	2007-05-31T09:43:17
[s] Observation end time (MET)	297001315.886038	297001315.886038
Observation end date	2007-05-31T11:56:00	2007-05-31T12:21:55
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
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	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.04.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.6795913809538

### A.2 Comments