

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56476 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 20 2012

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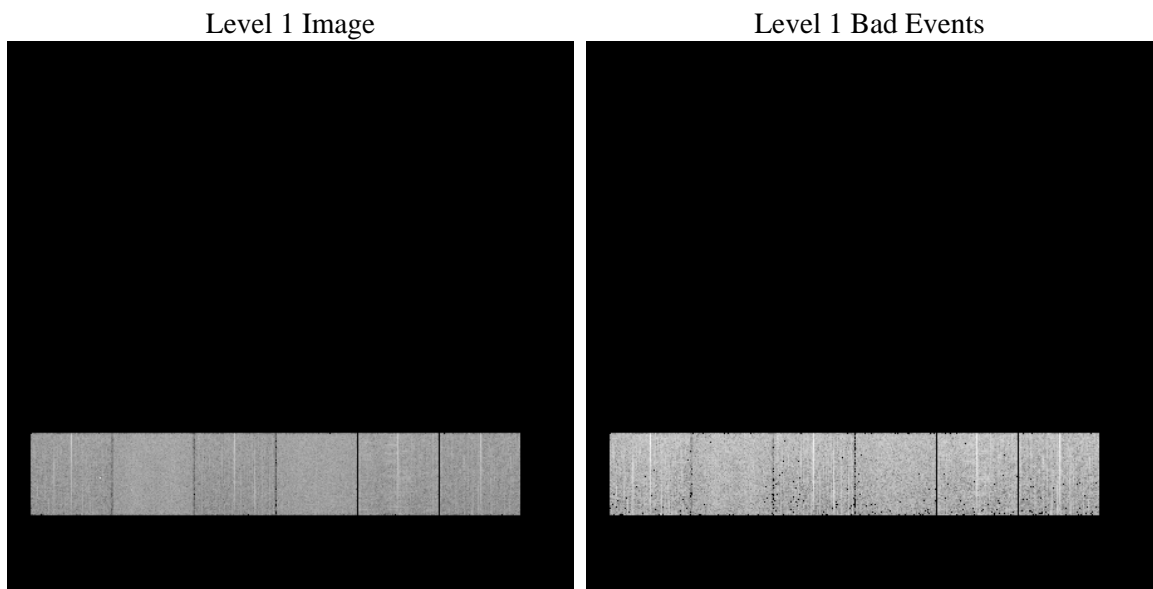
# 1 Front

seq_num	&#160	Sequence number
obs_id	56476	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	115.02755534009	Nominal RA [deg]
dec_nom	1.9922284973831	Nominal Dec [deg]
roll_nom	311.10097999566	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3449.5999872088	Sum of GTIs [s]
livetime	3405.9190750711	Livetime [s]
ontime4	3449.5999872088	Sum of GTIs [s]
ontime5	3449.5999872088	Sum of GTIs [s]
ontime6	3449.5999872088	Sum of GTIs [s]
ontime7	3449.5999872088	Sum of GTIs [s]
ontime8	3449.5999872088	Sum of GTIs [s]
ontime9	3449.5999872088	Sum of GTIs [s]
l2events	190135	Number of level 2 events

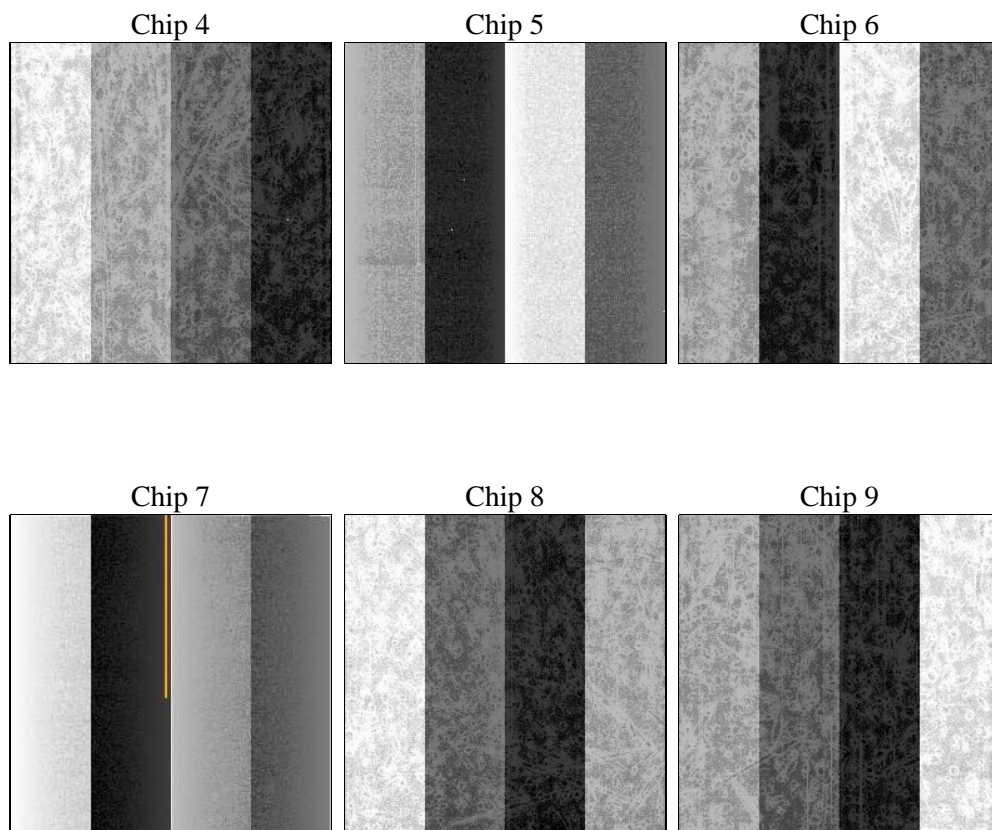
## 2 OBI

### 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	3449.5999872088	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime4	3449.5999872088	Sum of GTIs [s]
date	2012-06-20T15:39:54	Date and time of file creation	ontime5	3449.5999872088	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	3449.5999872088	Sum of GTIs [s]
			ontime7	3449.5999872088	Sum of GTIs [s]
			ontime8	3449.5999872088	Sum of GTIs [s]
			ontime9	3449.5999872088	Sum of GTIs [s]
			l1events	407468	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	62994	76376	62286	74160	70366	61286	grade 0 events	15699	4537	14400	7393	16577	15202
rejected events	35760	32092	33759	30355	36212	33043		24%	5%	23%	9%	23%	24%
rejected %	56%	42%	54%	40%	51%	53%	grade 1 events	160	118	88	60	135	103
								0%	0%	0%	0%	0%	0%
							grade 2 events	4122	16546	5524	9633	6452	4850
								6%	21%	8%	12%	9%	7%
							grade 3 events	1896	1612	1830	3786	2405	1885
								3%	2%	2%	5%	3%	3%
							grade 4 events	1938	1550	1819	3859	2333	1889
								3%	2%	2%	5%	3%	3%
							grade 5 events	1692	3793	1809	4508	2432	1908
								2%	4%	2%	6%	3%	3%
							grade 6 events	3579	20039	4954	19134	6387	4417
								5%	26%	7%	25%	9%	7%
							grade 7 events	33908	28181	31862	25787	33645	31032
								53%	36%	51%	34%	47%	50%

## 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	115.027555340091
[deg] Pointing Dec	0	1.99222849738312
[deg] Pointing Roll	0.0	311.1009799956584
[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)	381346472.08357	381346471.05857
Observation start date	2010-01-31T17:34:32	2010-01-31T17:34:31
[s] Observation end time (MET)	381351652.433832	381351651.40883
Observation end date	2010-01-31T19:00:52	2010-01-31T19:00:51
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.4495999872088

### A.2 Comments