

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 60876 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 21 2012

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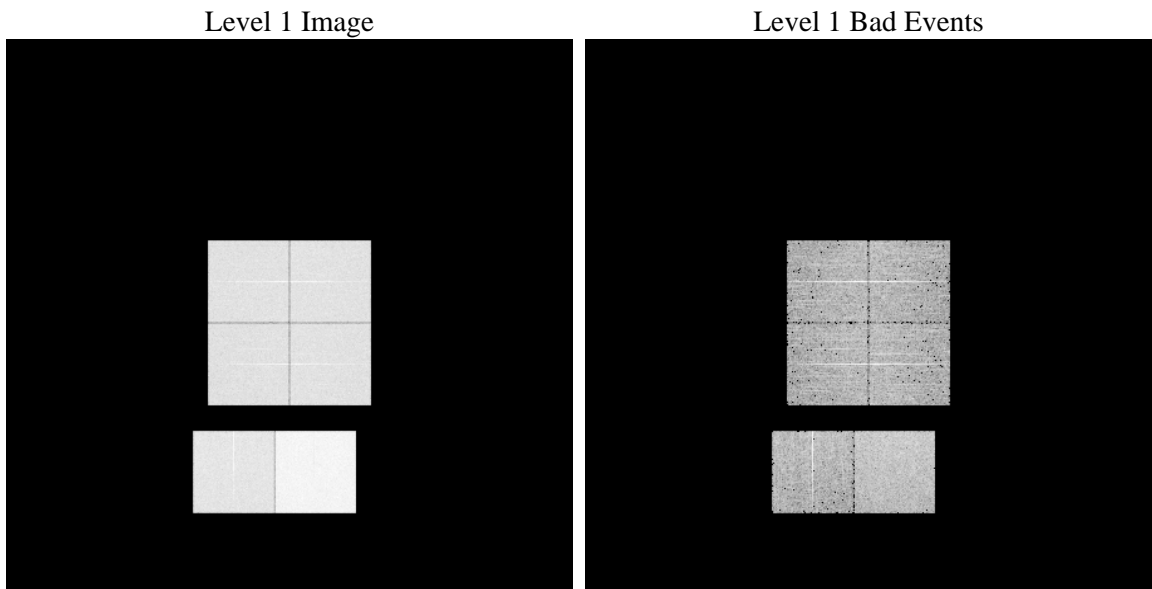
# 1 Front

seq_num	&#160	Sequence number
obs_id	60876	Observation id
title	ACIS-012367 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	49.773603814106	Nominal RA [deg]
dec_nom	-5.5163006187454	Nominal Dec [deg]
roll_nom	292.32358660376	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8428.7999686003	Sum of GTIs [s]
livetime	8322.0694281838	Livetime [s]
ontime0	4459.0182188153	Sum of GTIs [s]
ontime1	4559.0809814632	Sum of GTIs [s]
ontime2	4257.6681579649	Sum of GTIs [s]
ontime3	4387.3086213768	Sum of GTIs [s]
ontime6	4854.0109878778	Sum of GTIs [s]
ontime7	8428.7999686003	Sum of GTIs [s]
l2events	1288138	Number of level 2 events

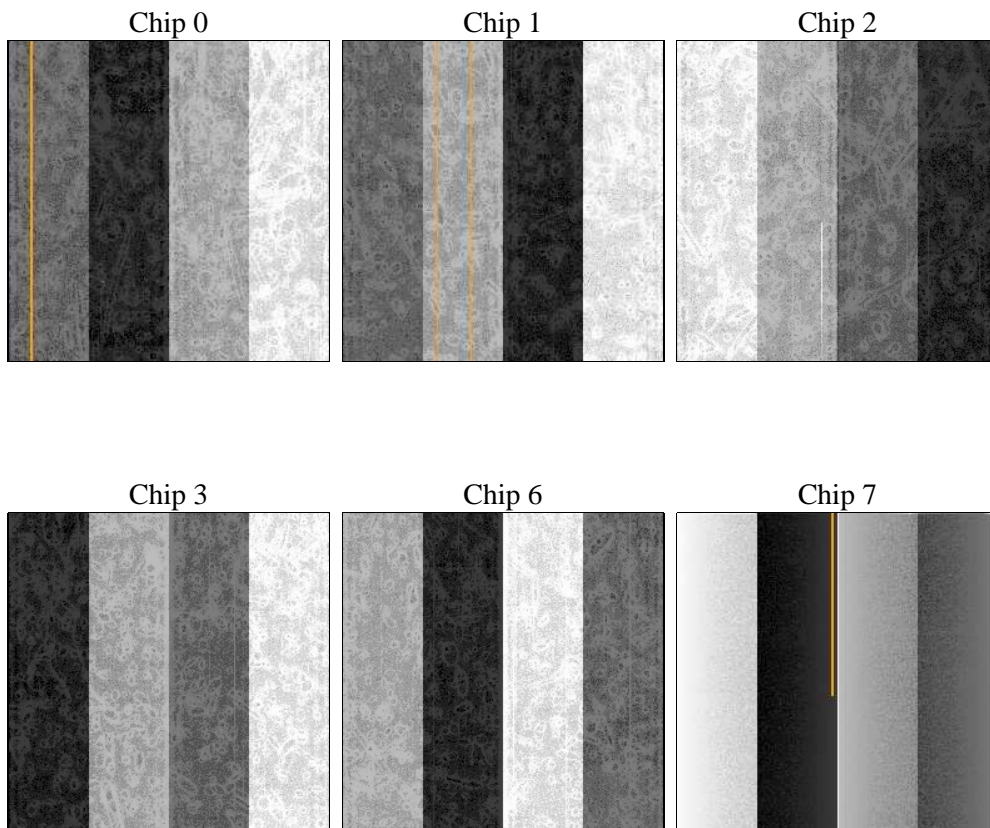
## 2 OBI

### 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	8428.7999686003	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime0	4459.0182188153	Sum of GTIs [s]
date	2012-10-21T06:29:19	Date and time of file creation	ontime1	4559.0809814632	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4257.6681579649	Sum of GTIs [s]
			ontime3	4387.3086213768	Sum of GTIs [s]
			ontime6	4854.0109878778	Sum of GTIs [s]
			ontime7	8428.7999686003	Sum of GTIs [s]
			l1events	1547246	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	218967	222607	212955	219851	249404	423462	grade 0 events	104792	106532	103132	105819	118358	94578
rejected events	30313	29936	30285	31877	33005	45669		47%	47%	48%	48%	47%	22%
rejected %	13%	13%	14%	14%	13%	10%	grade 1 events	574	511	601	627	557	272
								0%	0%	0%	0%	0%	0%
							grade 2 events	32968	34205	30983	32095	37793	84025
								15%	15%	14%	14%	15%	19%
							grade 3 events	12334	12292	11948	12522	13465	38758
								5%	5%	5%	5%	5%	9%
							grade 4 events	12030	12109	11907	12302	13185	38069
								5%	5%	5%	5%	5%	8%
							grade 5 events	2008	2089	1883	2117	2472	8575
								0%	0%	0%	0%	0%	2%
							grade 6 events	27509	28236	25576	25939	34285	124032
								12%	12%	12%	11%	13%	29%
							grade 7 events	26752	26633	26925	28430	29289	35153
								12%	11%	12%	12%	11%	8%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	49.77360381410597	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-5.516300618745399	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	292.3235866037593			
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	159492492.014193	159492490.98948			
Observation start date	2003-01-20T23:28:12	2003-01-20T23:28:10			
[s] Observation end time (MET)	159516220.765187	159516219.74047			
Observation end date	2003-01-21T06:03:41	2003-01-21T06:03:39			
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)	2012.11.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4287999686003

### A.2 Comments