

# V&V Reference Report

## L2 ASCDS Version : 8.5.1

Observation 59817 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 17 2012

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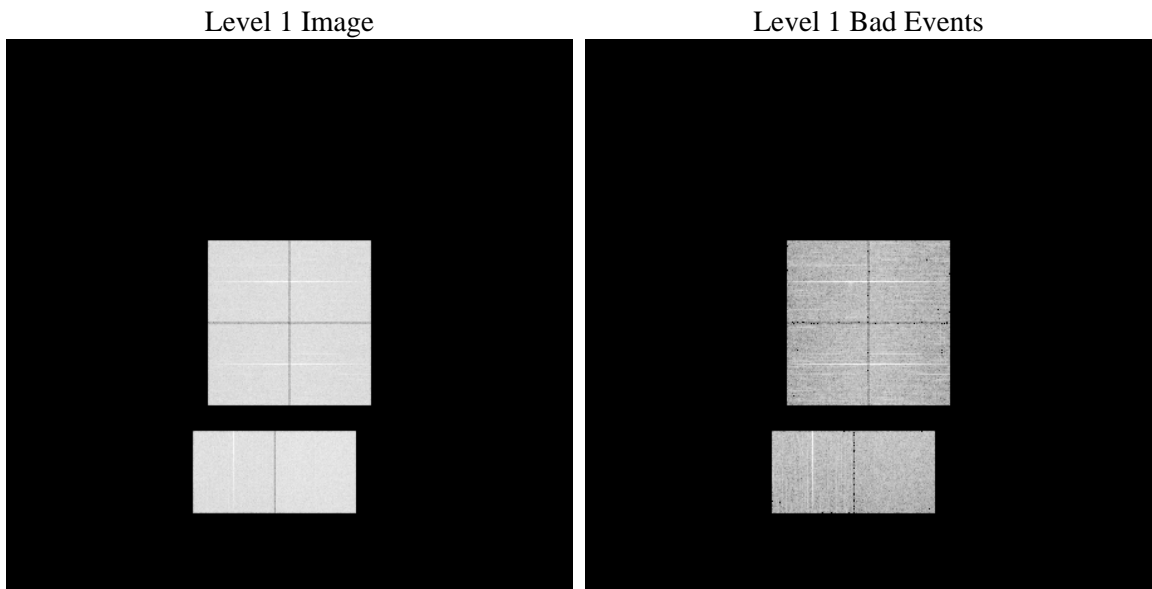
# 1 Front

seq_num	&#160	Sequence number
obs_id	59817	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	156.98564516085	Nominal RA [deg]
dec_nom	16.525112168587	Nominal Dec [deg]
roll_nom	86.05036515016	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8159.9999696016	Sum of GTIs [s]
livetime	8056.6731366244	Livetime [s]
ontime0	7255.767686218	Sum of GTIs [s]
ontime1	7336.7912477553	Sum of GTIs [s]
ontime2	6986.7664223015	Sum of GTIs [s]
ontime3	7058.0673314631	Sum of GTIs [s]
ontime6	7433.4773826599	Sum of GTIs [s]
ontime7	8159.9999696016	Sum of GTIs [s]
l2events	1114438	Number of level 2 events

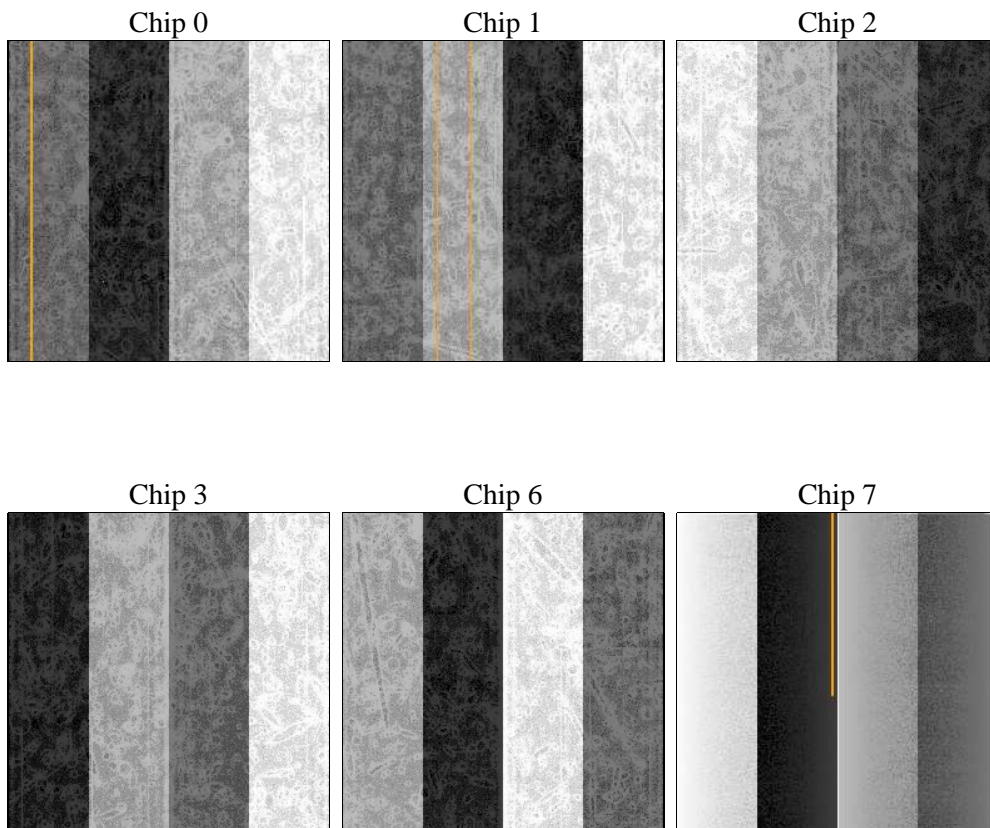
## 2 OBI

### 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	8.5.1	Processing system revision	ontime	8159.9999696016	Sum of GTIs [s]
caldsver	4.5.5	&#160	ontime0	7255.767686218	Sum of GTIs [s]
date	2012-12-17T03:43:15	Date and time of file creation	ontime1	7336.7912477553	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	6986.7664223015	Sum of GTIs [s]
			ontime3	7058.0673314631	Sum of GTIs [s]
			ontime6	7433.4773826599	Sum of GTIs [s]
			ontime7	8159.9999696016	Sum of GTIs [s]
			l1events	1491444	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	236501	242480	232004	238745	256797	284917	grade 0 events	103250	104846	102402	104506	109646	55847
rejected events	51221	53868	51345	55022	57262	52474		43%	43%	44%	43%	42%	19%
rejected %	21%	22%	22%	23%	22%	18%	grade 1 events	613	564	632	663	596	178
								0%	0%	0%	0%	0%	0%
							grade 2 events	33019	33939	30785	31841	34783	51589
								13%	13%	13%	13%	13%	18%
							grade 3 events	12107	12059	11983	12166	12458	23531
								5%	4%	5%	5%	4%	8%
							grade 4 events	12095	12234	11997	12148	12686	23275
								5%	5%	5%	5%	4%	8%
							grade 5 events	3213	3345	2947	3306	3477	8850
								1%	1%	1%	1%	1%	3%
							grade 6 events	27446	28053	25897	25504	32567	81401
								11%	11%	11%	10%	12%	28%
							grade 7 events	44758	47440	45361	48611	50584	40246
								18%	19%	19%	20%	19%	14%

## 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	156.9856451608505	Alternating exposures requested	N	N
[deg] Pointing Dec	0	16.52511216858704	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	86.05036515015956			
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-233.592463	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	223692238.211901	223692237.18688			
Observation start date	2005-02-02T00:43:58	2005-02-02T00:43:57			
[s] Observation end time (MET)	223716294.962992	223716293.93796			
Observation end date	2005-02-02T07:24:55	2005-02-02T07:24:53			
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)	2013.01.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1599999696016

### A.2 Comments