

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 59626 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 24 2012

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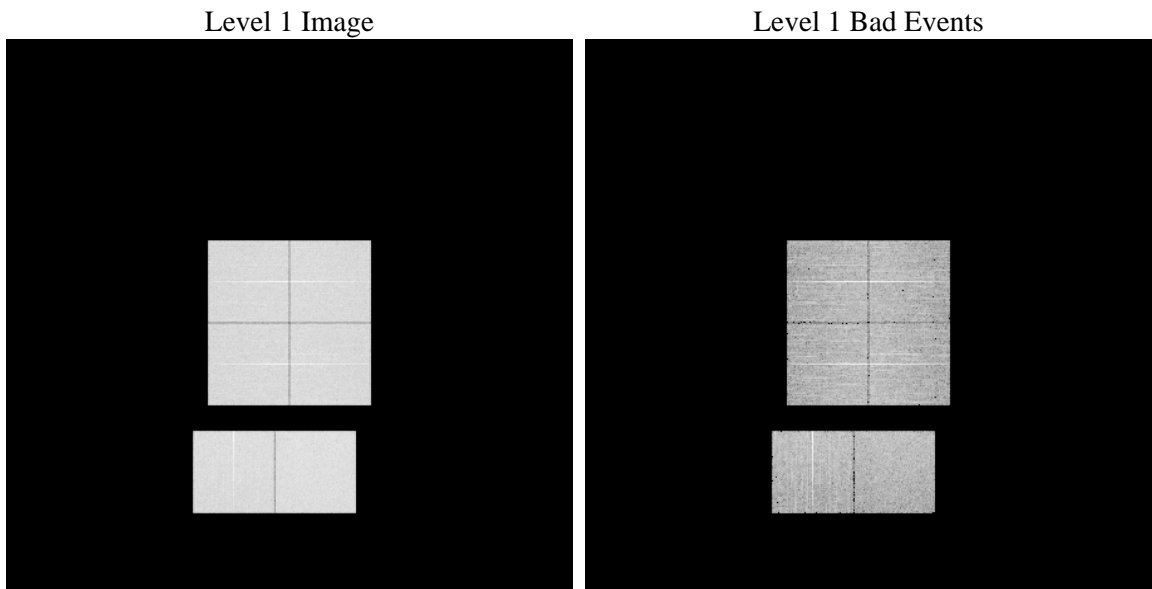
# 1 Front

seq_num	&#160	Sequence number
obs_id	59626	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	234.98609579951	Nominal RA [deg]
dec_nom	15.974700169356	Nominal Dec [deg]
roll_nom	209.31455052699	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7801.5999709368	Sum of GTIs [s]
livetime	7702.8114145452	Livetime [s]
ontime0	7127.4753090143	Sum of GTIs [s]
ontime1	7221.4637084603	Sum of GTIs [s]
ontime2	6894.1241985857	Sum of GTIs [s]
ontime3	7052.9326609969	Sum of GTIs [s]
ontime6	7412.6819151044	Sum of GTIs [s]
ontime7	7801.5999709368	Sum of GTIs [s]
l2events	1042511	Number of level 2 events

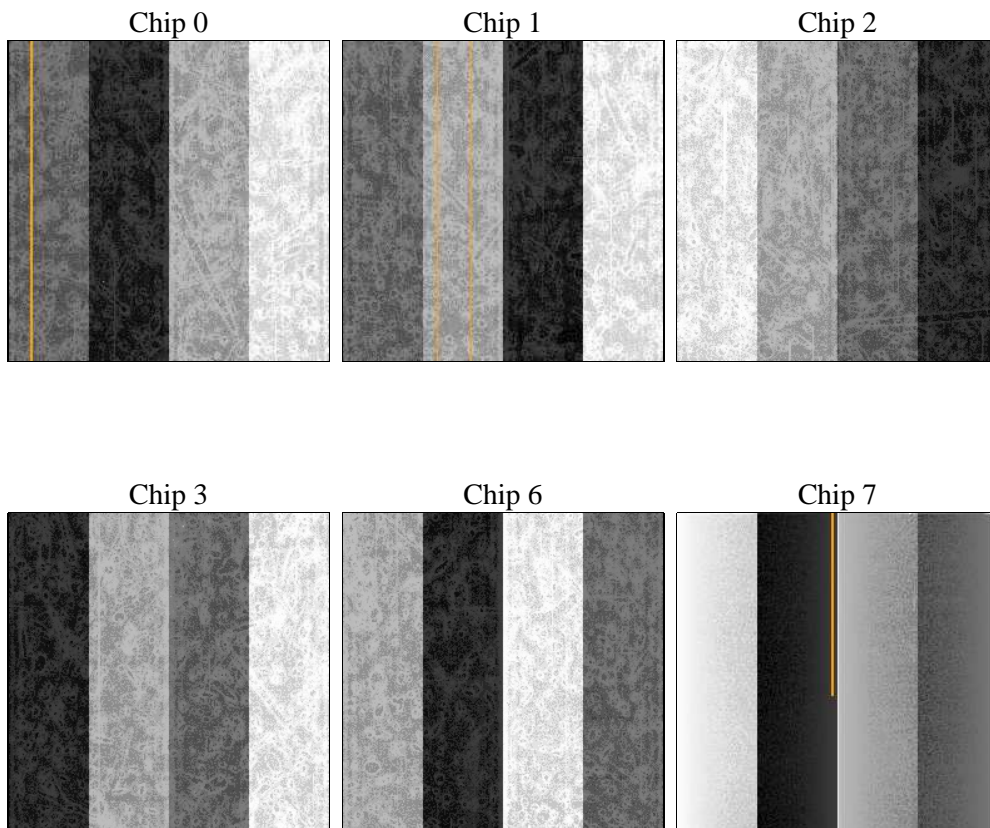
## 2 OBI

### 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	8.5.1.1	Processing system revision	ontime	7801.5999709368	Sum of GTIs [s]
caldsver	4.5.5	&#160	ontime0	7127.4753090143	Sum of GTIs [s]
date	2012-12-24T16:53:17	Date and time of file creation	ontime1	7221.4637084603	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	6894.1241985857	Sum of GTIs [s]
			ontime3	7052.9326609969	Sum of GTIs [s]
			ontime6	7412.6819151044	Sum of GTIs [s]
			ontime7	7801.5999709368	Sum of GTIs [s]
			l1events	1406091	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	223179	227215	221192	227537	244766	262202	grade 0 events	94680	96215	94117	97360	101506	50423
rejected events	49955	50575	51973	52783	55639	49088		42%	42%	42%	42%	41%	19%
rejected %	22%	22%	23%	23%	22%	18%	grade 1 events	556	488	577	665	557	152
								0%	0%	0%	0%	0%	0%
							grade 2 events	30183	31613	28948	29895	33210	46460
								13%	13%	13%	13%	13%	17%
							grade 3 events	11360	11325	11102	11529	11816	20865
								5%	4%	5%	5%	4%	7%
							grade 4 events	11160	11306	11018	11453	11878	20943
								5%	4%	4%	5%	4%	7%
							grade 5 events	3133	3227	2899	3334	3580	8769
								1%	1%	1%	1%	1%	3%
							grade 6 events	25841	26181	24034	24517	30717	74423
								11%	11%	10%	10%	12%	28%
							grade 7 events	46266	46860	48497	48784	51502	40167
								20%	20%	21%	21%	21%	15%

## 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	234.986095799513	Alternating exposures requested	N	N
[deg] Pointing Dec	0	15.97470016935571	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	209.3145505269879			
[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)	234624860.008455	234624858.98345			
Observation start date	2005-06-08T13:34:20	2005-06-08T13:34:18			
[s] Observation end time (MET)	234639683.559132	234639682.53413			
Observation end date	2005-06-08T17:41:24	2005-06-08T17:41:22			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.01.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.8015999709368

### A.2 Comments