

# V&V Reference Report

## L2 ASCDS Version : 8.5

Observation 62839 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 7 2012

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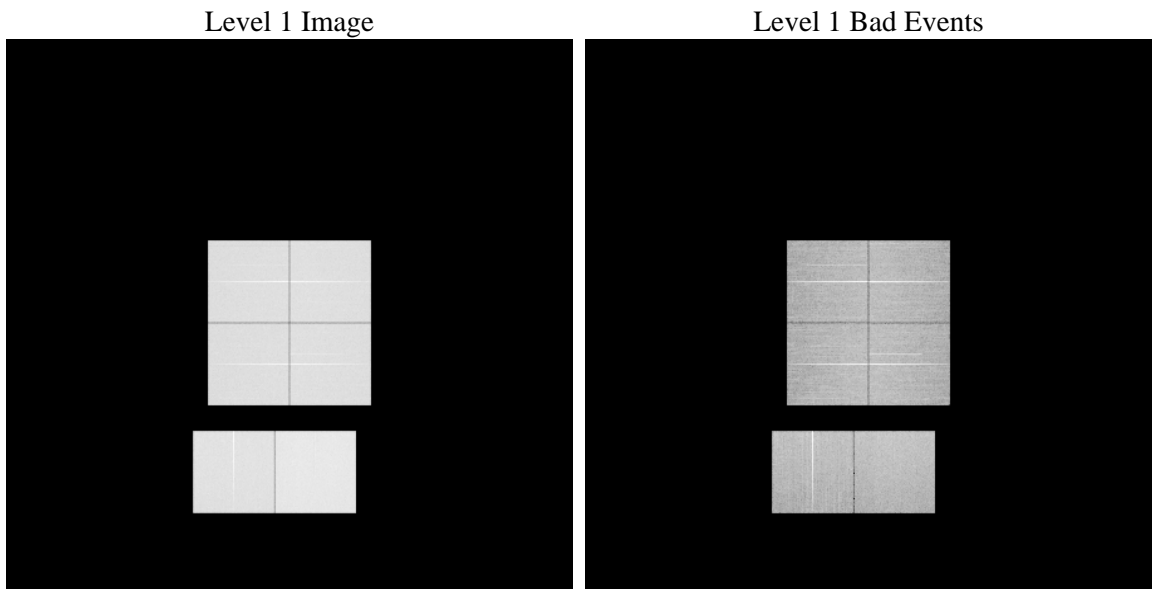
# 1 Front

seq_num	&#160	Sequence number
obs_id	62839	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtycle	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	329.16008193926	Nominal RA [deg]
dec_nom	-4.7773844621325	Nominal Dec [deg]
roll_nom	127.06586028426	Nominal Roll [deg]
revision	3	Processing version of data
ontime	33270.135837525	Sum of GTIs [s]
livetime	32848.84934468	Livetime [s]
ontime0	25717.454476714	Sum of GTIs [s]
ontime1	26255.455646038	Sum of GTIs [s]
ontime2	24767.84791711	Sum of GTIs [s]
ontime3	25409.560924053	Sum of GTIs [s]
ontime6	27422.207484543	Sum of GTIs [s]
ontime7	33270.135837525	Sum of GTIs [s]
l2events	4644816	Number of level 2 events

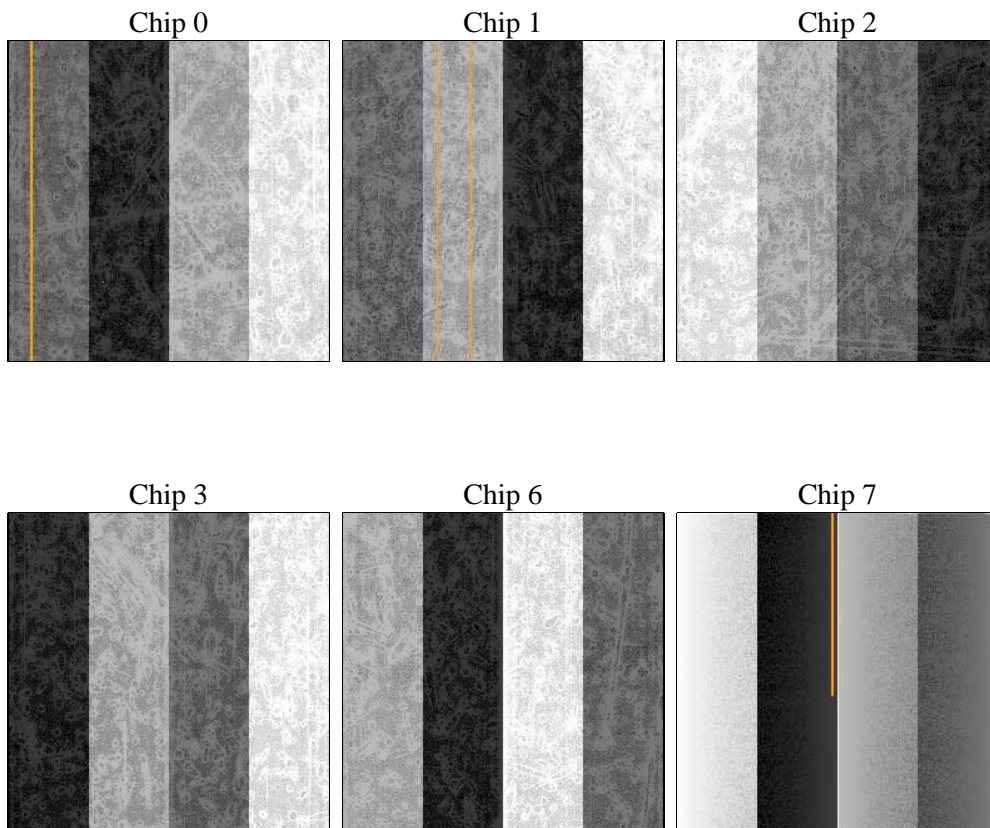
## 2 OBI

### 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	Processing system revision	ontime	33270.135837525	Sum of GTIs [s]
caldsver	4.5.4	&#160	ontime0	25717.454476714	Sum of GTIs [s]
date	2012-12-07T05:06:57	Date and time of file creation	ontime1	26255.455646038	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	24767.84791711	Sum of GTIs [s]
			ontime3	25409.560924053	Sum of GTIs [s]
			ontime6	27422.207484543	Sum of GTIs [s]
			ontime7	33270.135837525	Sum of GTIs [s]
			l1events	5933956	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	910126	933911	897845	924743	1023131	1244200	grade 0 events	411247	418041	407896	419219	453434	255233
rejected events	163786	169974	170794	178042	187639	189976		45%	44%	45%	45%	44%	20%
rejected %	17%	18%	19%	19%	18%	15%	grade 1 events	2272	2081	2492	2524	2261	802
								0%	0%	0%	0%	0%	0%
							grade 2 events	130280	135870	122119	127711	144405	230467
								14%	14%	13%	13%	14%	18%
							grade 3 events	48299	48860	47245	48814	52102	105824
								5%	5%	5%	5%	5%	8%
							grade 4 events	48529	48916	47570	48630	52184	104454
								5%	5%	5%	5%	5%	8%
							grade 5 events	11138	11438	10046	11605	12806	34447
								1%	1%	1%	1%	1%	2%
							grade 6 events	107985	112250	102221	102327	133367	358353
								11%	12%	11%	11%	13%	28%
							grade 7 events	150376	156455	158256	163913	172572	154620
								16%	16%	17%	17%	16%	12%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	329.1600819392575
[deg] Pointing Dec	0	-4.777384462132462
[deg] Pointing Roll	0.0	127.0658602842649
[mm] SIM focus pos	-0.782348	-0.6828225247311905
[mm] SIM defocus	0	0.8505141146731063
[mm] SIM translation stage pos	-233.592463	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	207859329.0022	207859327.9772
Observation start date	2004-08-02T18:42:09	2004-08-02T18:42:07
[s] Observation end time (MET)	207923893.755072	207923892.73007
Observation end date	2004-08-03T12:38:14	2004-08-03T12:38:12
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.12.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	33.270135837525

### A.2 Comments