

# V&V Reference Report

## L2 ASCDS Version : 8.5

Observation 60068 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 8 2012

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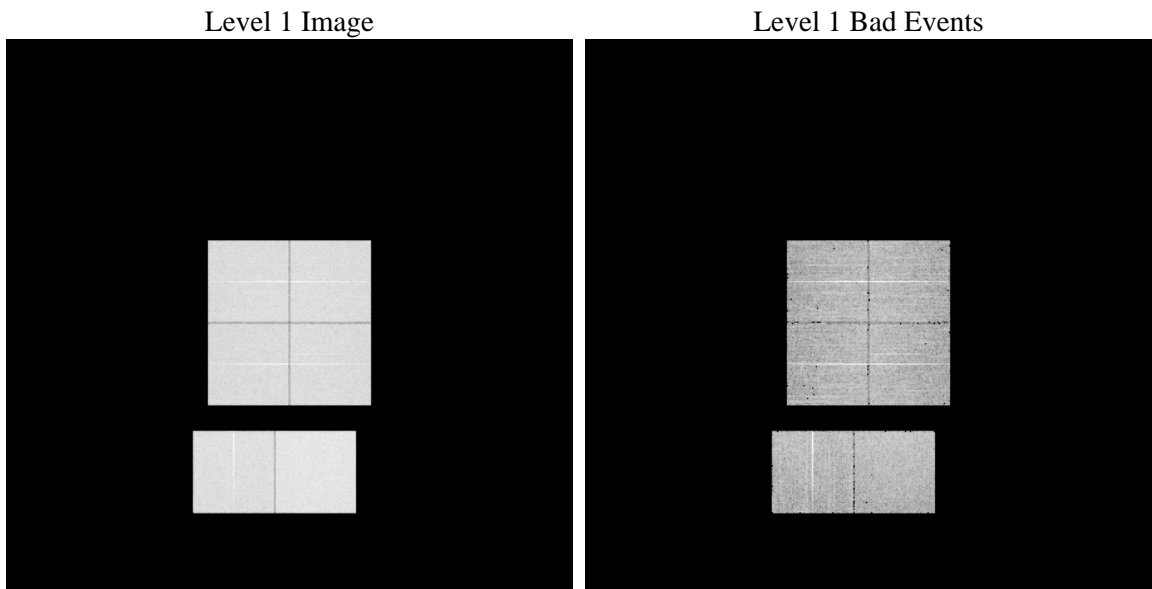
# 1 Front

seq_num	&#160	Sequence number
obs_id	60068	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	322.01617466302	Nominal RA [deg]
dec_nom	-8.0237017305658	Nominal Dec [deg]
roll_nom	271.21383202075	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8278.3999691606	Sum of GTIs [s]
livetime	8173.573884097	Livetime [s]
ontime0	6499.1054419577	Sum of GTIs [s]
ontime1	6606.0518907309	Sum of GTIs [s]
ontime2	6191.1659963429	Sum of GTIs [s]
ontime3	6392.1531932652	Sum of GTIs [s]
ontime6	6881.4527448714	Sum of GTIs [s]
ontime7	8278.3999691606	Sum of GTIs [s]
l2events	1150357	Number of level 2 events

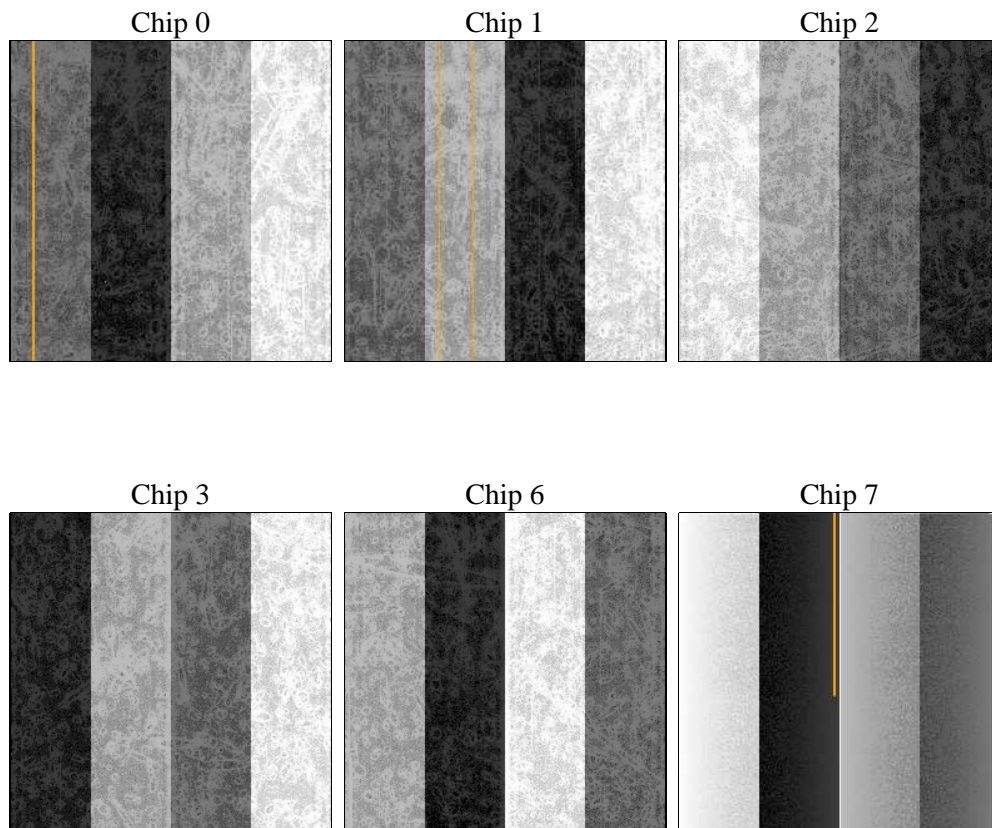
## 2 OBI

### 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	8278.3999691606	Sum of GTIs [s]
caldsver	4.5.4	&#160	ontime0	6499.1054419577	Sum of GTIs [s]
date	2012-12-08T12:36:46	Date and time of file creation	ontime1	6606.0518907309	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	6191.1659963429	Sum of GTIs [s]
			ontime3	6392.1531932652	Sum of GTIs [s]
			ontime6	6881.4527448714	Sum of GTIs [s]
			ontime7	8278.3999691606	Sum of GTIs [s]
			l1events	1499384	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	232757	238547	226045	232162	257402	312471	grade 0 events	102311	103790	99948	103472	111712	62177
rejected events	46593	48735	47122	46918	51291	51308		43%	43%	44%	44%	43%	19%
rejected %	20%	20%	20%	20%	19%	16%	grade 1 events	631	551	667	634	598	183
								0%	0%	0%	0%	0%	0%
							grade 2 events	32459	33954	30271	31681	35473	57035
								13%	14%	13%	13%	13%	18%
							grade 3 events	12269	12261	11732	12199	13108	26008
								5%	5%	5%	5%	5%	8%
							grade 4 events	12073	12035	11682	12175	12669	25820
								5%	5%	5%	5%	4%	8%
							grade 5 events	2964	3248	2728	3018	3381	9253
								1%	1%	1%	1%	1%	2%
							grade 6 events	27144	27873	25379	25808	33240	90233
								11%	11%	11%	11%	12%	28%
							grade 7 events	42906	44835	43638	43175	47221	41762
								18%	18%	19%	18%	18%	13%

## 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	322.0161746630168
[deg] Pointing Dec	0	-8.023701730565797
[deg] Pointing Roll	0.0	271.2138320207474
[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)	210672950.02744	210672949.00243
Observation start date	2004-09-04T08:15:50	2004-09-04T08:15:49
[s] Observation end time (MET)	210694259.778391	210694258.75338
Observation end date	2004-09-04T14:11:00	2004-09-04T14:10:58
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)	2012.12.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2783999691606

### A.2 Comments