

# V&V Reference Report

## L2 ASCDS Version : 8.5

Observation 60096 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 7 2012

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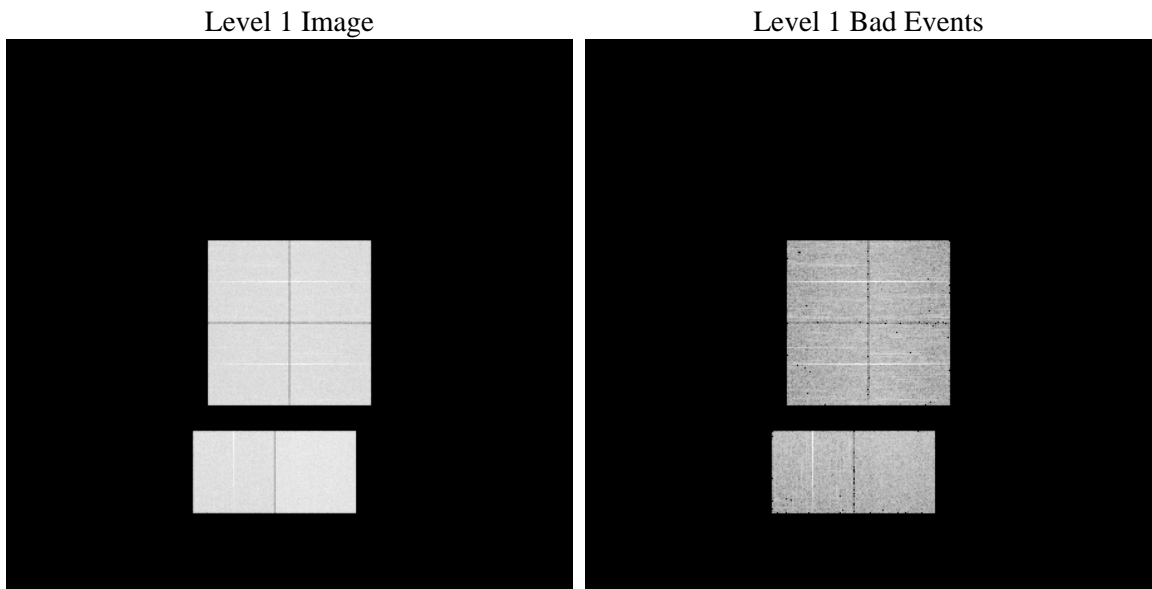
# 1 Front

seq_num	&#160	Sequence number
obs_id	60096	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	327.00973014811	Nominal RA [deg]
dec_nom	-17.972976641734	Nominal Dec [deg]
roll_nom	37.413275751058	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8281.5999691486	Sum of GTIs [s]
livetime	8176.7333637585	Livetime [s]
ontime0	6489.3435322046	Sum of GTIs [s]
ontime1	6599.5377078652	Sum of GTIs [s]
ontime2	6329.5755722225	Sum of GTIs [s]
ontime3	6298.1261363328	Sum of GTIs [s]
ontime6	6884.7422852814	Sum of GTIs [s]
ontime7	8281.5999691486	Sum of GTIs [s]
l2events	1156210	Number of level 2 events

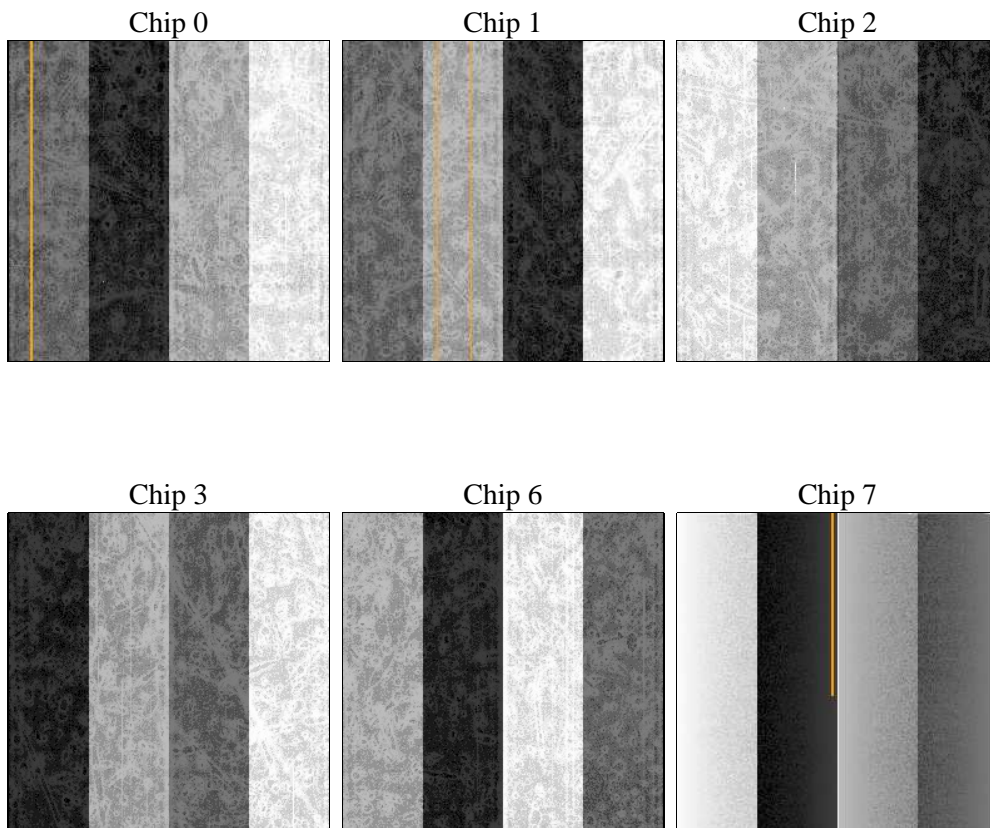
## 2 OBI

### 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	8281.5999691486	Sum of GTIs [s]
caldsver	4.5.4	&#160	ontime0	6489.3435322046	Sum of GTIs [s]
date	2012-12-07T17:26:34	Date and time of file creation	ontime1	6599.5377078652	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	6329.5755722225	Sum of GTIs [s]
			ontime3	6298.1261363328	Sum of GTIs [s]
			ontime6	6884.7422852814	Sum of GTIs [s]
			ontime7	8281.5999691486	Sum of GTIs [s]
			l1events	1498793	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	230716	235501	228369	233330	257779	313098	grade 0 events	102301	104039	102936	102836	112179	63250
rejected events	44898	45228	44337	49951	50785	50102		44%	44%	45%	44%	43%	20%
rejected %	19%	19%	19%	21%	19%	16%	grade 1 events	642	548	638	666	559	202
								0%	0%	0%	0%	0%	0%
							grade 2 events	32593	34158	30986	31386	35918	57360
								14%	14%	13%	13%	13%	18%
							grade 3 events	12135	12122	12187	11942	12922	26583
								5%	5%	5%	5%	5%	8%
							grade 4 events	11861	11897	12011	12065	12861	26531
								5%	5%	5%	5%	4%	8%
							grade 5 events	2897	2940	2767	3073	3374	9035
								1%	1%	1%	1%	1%	2%
							grade 6 events	27010	28143	25912	25229	33222	89367
								11%	11%	11%	10%	12%	28%
							grade 7 events	41277	41654	40932	46133	46744	40770
								17%	17%	17%	19%	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	327.0097301481057
[deg] Pointing Dec	0	-17.97297664173376
[deg] Pointing Roll	0.0	37.41327575105789
[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)	208845959.196076	208845958.17107
Observation start date	2004-08-14T04:45:59	2004-08-14T04:45:58
[s] Observation end time (MET)	208869148.797108	208869147.77211
Observation end date	2004-08-14T11:12:29	2004-08-14T11:12:27
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)	2012.12.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2815999691486

### A.2 Comments