

# V&V Reference Report

## L2 ASCDS Version : 8.5

Observation 60030 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 9 2012

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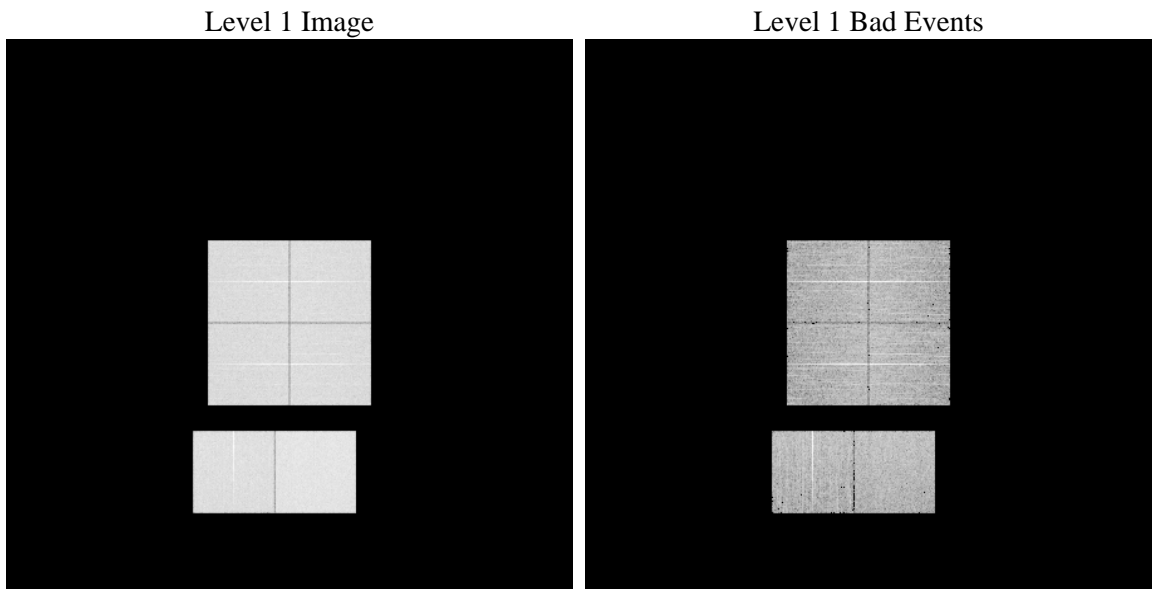
# 1 Front

seq_num	&#160	Sequence number
obs_id	60030	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	179.94966517492	Nominal RA [deg]
dec_nom	-61.014427034761	Nominal Dec [deg]
roll_nom	177.15893685643	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8280.6114850342	Sum of GTIs [s]
livetime	8175.7573964251	Livetime [s]
ontime0	6660.0906104147	Sum of GTIs [s]
ontime1	6741.0730893612	Sum of GTIs [s]
ontime2	6413.6959677637	Sum of GTIs [s]
ontime3	6459.3317482769	Sum of GTIs [s]
ontime6	7071.8739700019	Sum of GTIs [s]
ontime7	8280.6114850342	Sum of GTIs [s]
l2events	1147878	Number of level 2 events

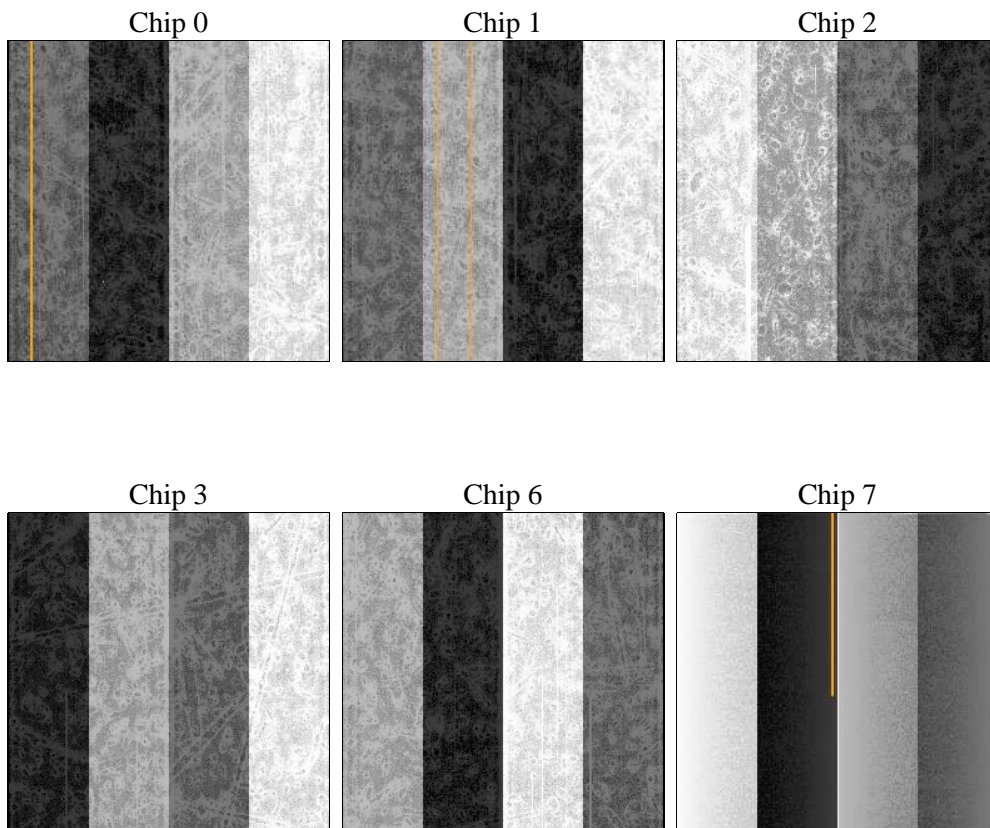
## 2 OBI

### 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	8280.6114850342	Sum of GTIs [s]
caldsver	4.5.4	&#160	ontime0	6660.0906104147	Sum of GTIs [s]
date	2012-12-09T07:55:41	Date and time of file creation	ontime1	6741.0730893612	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	6413.6959677637	Sum of GTIs [s]
			ontime3	6459.3317482769	Sum of GTIs [s]
			ontime6	7071.8739700019	Sum of GTIs [s]
			ontime7	8280.6114850342	Sum of GTIs [s]
			l1events	1497673	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	232401	237118	228272	232846	259396	307640	grade 0 events	102287	103340	101858	102529	112235	60869
rejected events	46113	48120	46510	49518	51650	50657		44%	43%	44%	44%	43%	19%
rejected %	19%	20%	20%	21%	19%	16%	grade 1 events	615	519	594	677	607	192
								0%	0%	0%	0%	0%	0%
							grade 2 events	32455	33595	30200	31246	35939	56316
								13%	14%	13%	13%	13%	18%
							grade 3 events	12199	12065	11823	11830	12892	25618
								5%	5%	5%	5%	4%	8%
							grade 4 events	11878	12104	11986	12027	12916	25335
								5%	5%	5%	5%	4%	8%
							grade 5 events	2891	3004	2727	3076	3404	9108
								1%	1%	1%	1%	1%	2%
							grade 6 events	27469	27894	25895	25696	33764	88845
								11%	11%	11%	11%	13%	28%
							grade 7 events	42607	44597	43189	45765	47639	41357
								18%	18%	18%	19%	18%	13%

## 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	179.9496651749204	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-61.01442703476133	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	177.1589368564276			
[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)	212499282.808976	212499281.78397			
Observation start date	2004-09-25T11:34:43	2004-09-25T11:34:41			
[s] Observation end time (MET)	212520947.209946	212520946.18494			
Observation end date	2004-09-25T17:35:47	2004-09-25T17:35:46			
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)	2013.01.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2806114850342

### A.2 Comments