

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 59373 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 30 2012

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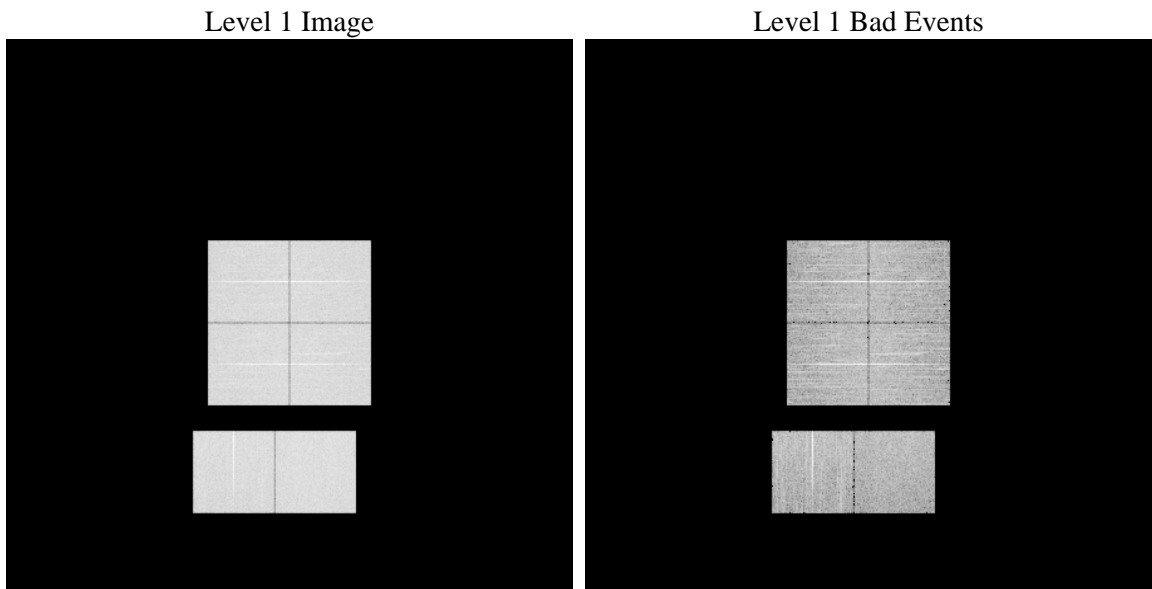
# 1 Front

seq_num	&#160	Sequence number
obs_id	59373	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	30.024390528683	Nominal RA [deg]
dec_nom	-17.983207058018	Nominal Dec [deg]
roll_nom	3.0991595273646	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7798.3999709487	Sum of GTIs [s]
livetime	7699.6519348838	Livetime [s]
ontime0	7798.3999709487	Sum of GTIs [s]
ontime1	7798.3999709487	Sum of GTIs [s]
ontime2	7798.3999709487	Sum of GTIs [s]
ontime3	7798.3999709487	Sum of GTIs [s]
ontime6	7798.3999709487	Sum of GTIs [s]
ontime7	7798.3999709487	Sum of GTIs [s]
l2events	991810	Number of level 2 events

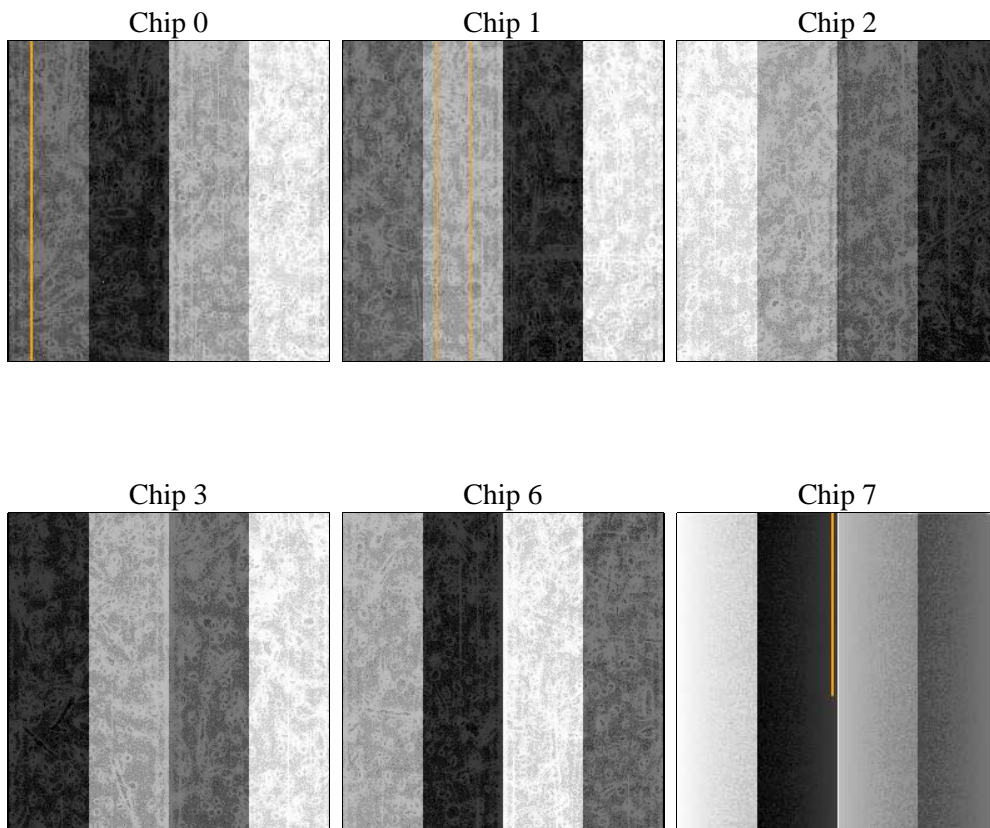
## 2 OBI

### 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	7798.3999709487	Sum of GTIs [s]
caldbver	4.5.5	&#160	ontime0	7798.3999709487	Sum of GTIs [s]
date	2012-12-31T00:17:57	Date and time of file creation	ontime1	7798.3999709487	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	7798.3999709487	Sum of GTIs [s]
			ontime3	7798.3999709487	Sum of GTIs [s]
			ontime6	7798.3999709487	Sum of GTIs [s]
			ontime7	7798.3999709487	Sum of GTIs [s]
			l1events	1389476	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	224797	224165	229856	230738	235707	244213	grade 0 events	91192	91341	94376	94746	94420	45312
rejected events	57668	55980	60149	61563	60193	50094		40%	40%	41%	41%	40%	18%
rejected %	25%	24%	26%	26%	25%	20%	grade 1 events	567	482	638	625	505	173
								0%	0%	0%	0%	0%	0%
							grade 2 events	29412	30260	28832	29056	30815	42757
								13%	13%	12%	12%	13%	17%
							grade 3 events	10964	10854	11162	10949	11137	19484
								4%	4%	4%	4%	4%	7%
							grade 4 events	10885	10800	11175	11170	10991	19374
								4%	4%	4%	4%	4%	7%
							grade 5 events	3358	3469	3181	3858	3744	8843
								1%	1%	1%	1%	1%	3%
							grade 6 events	24749	25010	24233	23333	28218	67277
								11%	11%	10%	10%	11%	27%
							grade 7 events	53670	51949	56259	57001	55877	40993
								23%	23%	24%	24%	23%	16%

## 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	30.02439052868309	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-17.983207058018	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	3.099159527364635			
[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)	246500344.503051	246500343.47805			
Observation start date	2005-10-24T00:19:05	2005-10-24T00:19:03			
[s] Observation end time (MET)	246513665.403665	246513664.37866			
Observation end date	2005-10-24T04:01:05	2005-10-24T04:01:04			
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)	2013.01.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7983999709487

### A.2 Comments