

# V&V Reference Report

## L2 ASCDS Version : 8.5.1

Observation 59865 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 15 2012

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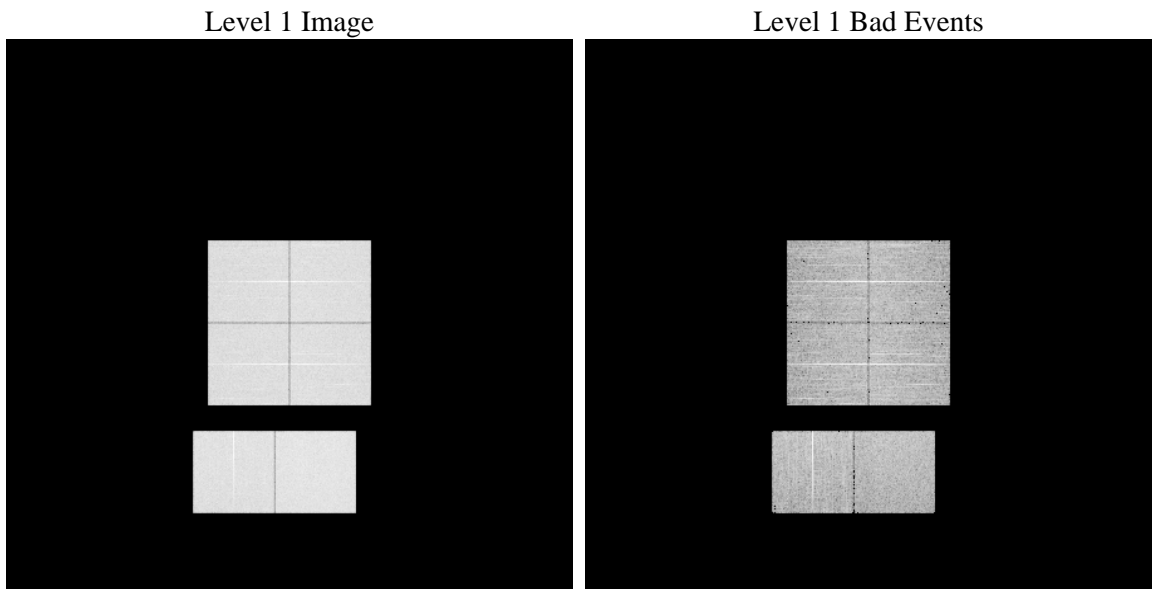
# 1 Front

seq_num	&#160	Sequence number
obs_id	59865	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtycycle	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	109.02612385387	Nominal RA [deg]
dec_nom	10.012562942085	Nominal Dec [deg]
roll_nom	352.96056498034	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8229.1892891824	Sum of GTIs [s]
livetime	8124.9863393799	Livetime [s]
ontime0	7136.9397099614	Sum of GTIs [s]
ontime1	7363.7667812705	Sum of GTIs [s]
ontime2	7000.736628741	Sum of GTIs [s]
ontime3	7088.4071059823	Sum of GTIs [s]
ontime6	7519.2515052259	Sum of GTIs [s]
ontime7	8229.1892891824	Sum of GTIs [s]
l2events	1131759	Number of level 2 events

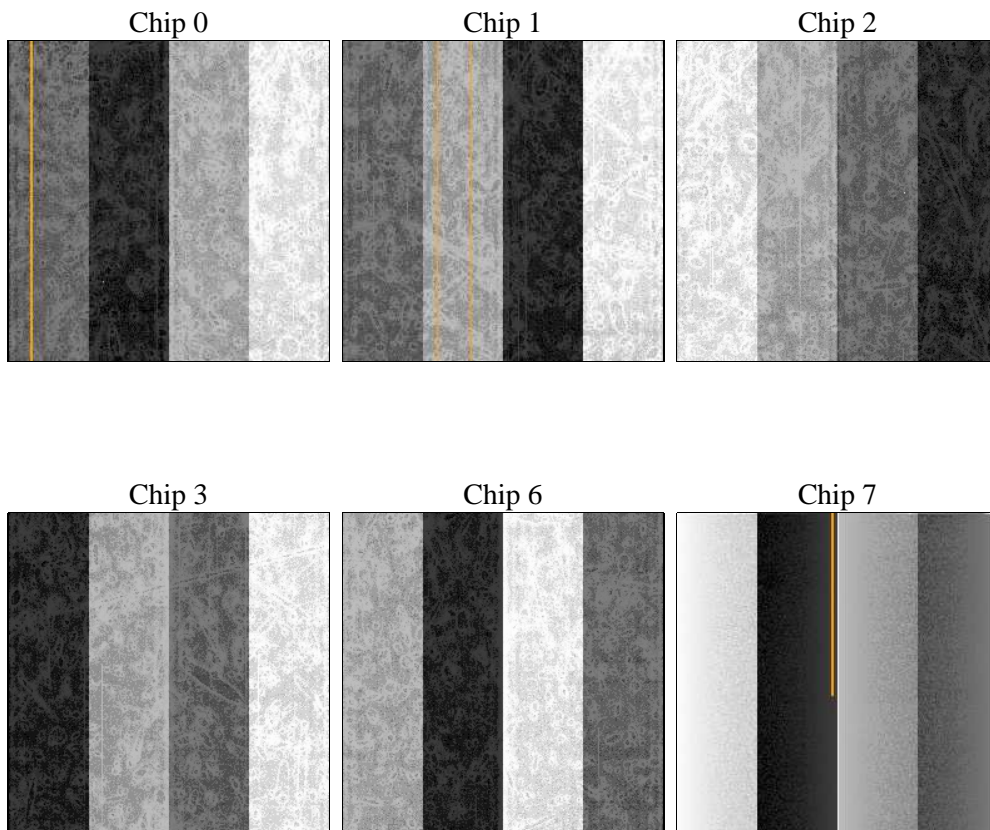
## 2 OBI

### 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	Processing system revision	ontime	8229.1892891824	Sum of GTIs [s]
caldbver	4.5.5	&#160	ontime0	7136.9397099614	Sum of GTIs [s]
date	2012-12-16T02:53:57	Date and time of file creation	ontime1	7363.7667812705	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	7000.736628741	Sum of GTIs [s]
			ontime3	7088.4071059823	Sum of GTIs [s]
			ontime6	7519.2515052259	Sum of GTIs [s]
			ontime7	8229.1892891824	Sum of GTIs [s]
			l1events	1493462	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	233423	242093	233062	239331	259349	286204	grade 0 events	102638	105084	103761	105427	111176	57197
rejected events	48590	50071	48918	52763	54928	49068		43%	43%	44%	44%	42%	19%
rejected %	20%	20%	20%	22%	21%	17%	grade 1 events	613	546	581	643	535	193
								0%	0%	0%	0%	0%	0%
							grade 2 events	32469	34700	31101	31903	35756	52260
								13%	14%	13%	13%	13%	18%
							grade 3 events	12048	12411	11905	12294	12944	23969
								5%	5%	5%	5%	4%	8%
							grade 4 events	11660	12312	12277	12274	12871	23615
								4%	5%	5%	5%	4%	8%
							grade 5 events	3060	3179	2874	3292	3388	8562
								1%	1%	1%	1%	1%	2%
							grade 6 events	26994	28658	26127	25842	32953	81516
								11%	11%	11%	10%	12%	28%
							grade 7 events	43941	45203	44436	47656	49726	38892
								18%	18%	19%	19%	19%	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	109.0261238538737	Alternating exposures requested	N	N
[deg] Pointing Dec	0	10.01256294208461	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	352.9605649803368			
[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)	221638425.119177	221638424.09416			
Observation start date	2005-01-09T06:13:45	2005-01-09T06:13:44			
[s] Observation end time (MET)	221660936.170192	221660935.14518			
Observation end date	2005-01-09T12:28:56	2005-01-09T12:28:55			
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)	2013.01.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2291892891824

## A.2 Comments