

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 59674 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 23 2012

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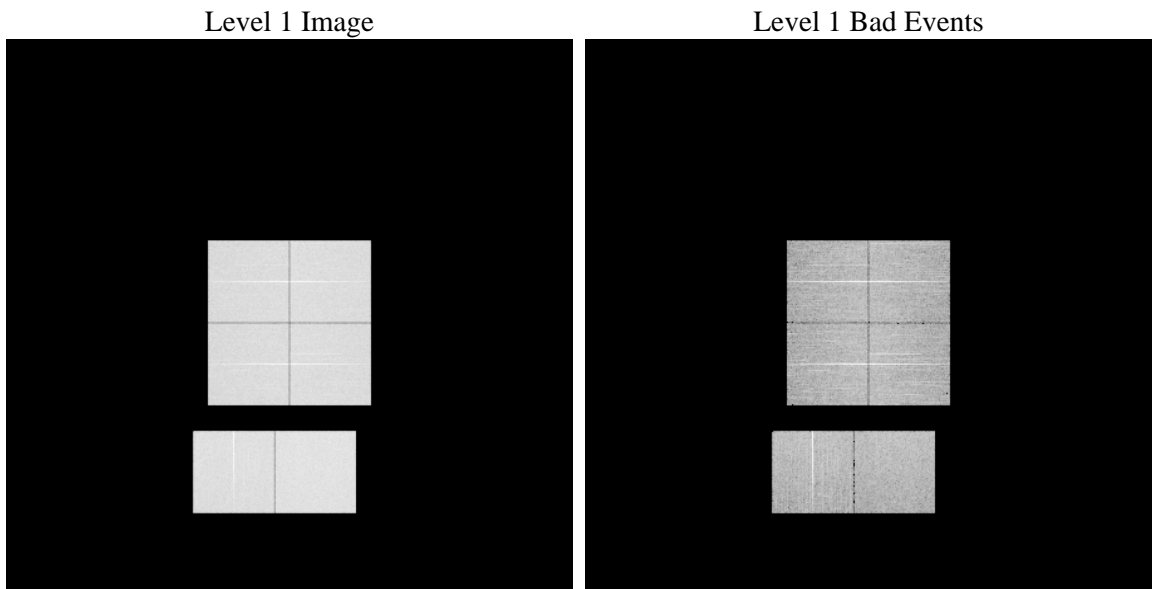
# 1 Front

seq_num	&#160	Sequence number
obs_id	59674	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	353.99651416332	Nominal RA [deg]
dec_nom	53.028573056926	Nominal Dec [deg]
roll_nom	61.341274100762	Nominal Roll [deg]
revision	3	Processing version of data
ontime	11793.721035689	Sum of GTIs [s]
livetime	11644.381838609	Livetime [s]
ontime0	10296.672040462	Sum of GTIs [s]
ontime1	10730.603958875	Sum of GTIs [s]
ontime2	10079.130078375	Sum of GTIs [s]
ontime3	10316.117583424	Sum of GTIs [s]
ontime6	10921.738467544	Sum of GTIs [s]
ontime7	11793.721035689	Sum of GTIs [s]
l2events	1585880	Number of level 2 events

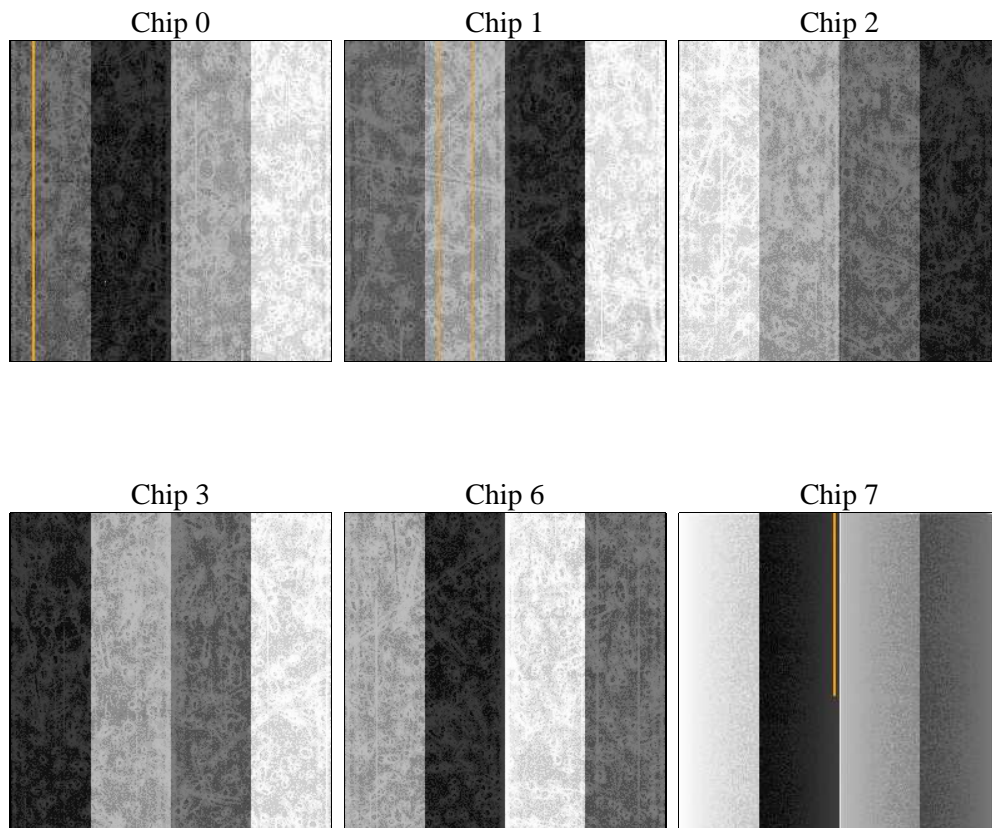
## 2 OBI

### 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	11793.721035689	Sum of GTIs [s]
caldsver	4.5.5	&#160	ontime0	10296.672040462	Sum of GTIs [s]
date	2012-12-23T04:07:48	Date and time of file creation	ontime1	10730.603958875	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	10079.130078375	Sum of GTIs [s]
			ontime3	10316.117583424	Sum of GTIs [s]
			ontime6	10921.738467544	Sum of GTIs [s]
			ontime7	11793.721035689	Sum of GTIs [s]
			l1events	2115775	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	329400	343642	327762	339944	369565	405462	grade 0 events	140652	146776	141271	146374	155211	80347
rejected events	71564	73234	73452	77296	80839	72798		42%	42%	43%	43%	41%	19%
rejected %	21%	21%	22%	22%	21%	17%	grade 1 events	864	806	916	956	824	244
								0%	0%	0%	0%	0%	0%
							grade 2 events	44877	48076	43011	44502	50265	73049
								13%	13%	13%	13%	13%	18%
							grade 3 events	16853	17234	16879	17134	17909	32912
								5%	5%	5%	5%	4%	8%
							grade 4 events	16692	17205	16732	17317	17731	32881
								5%	5%	5%	5%	4%	8%
							grade 5 events	4352	4869	4230	4850	5151	12940
								1%	1%	1%	1%	1%	3%
							grade 6 events	38762	41117	36417	37321	47610	113475
								11%	11%	11%	10%	12%	27%
							grade 7 events	66348	67559	68306	71490	74864	59614
								20%	19%	20%	21%	20%	14%

## 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	353.9965141633182	Alternating exposures requested	N	N
[deg] Pointing Dec	0	53.02857305692555	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	61.34127410076193			
[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)	231418243.712326	231418242.68732			
Observation start date	2005-05-02T10:50:44	2005-05-02T10:50:42			
[s] Observation end time (MET)	231432366.16297	231432365.13796			
Observation end date	2005-05-02T14:46:06	2005-05-02T14:46:05			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.01.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.793721035689

### A.2 Comments