

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57986 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 9 2012

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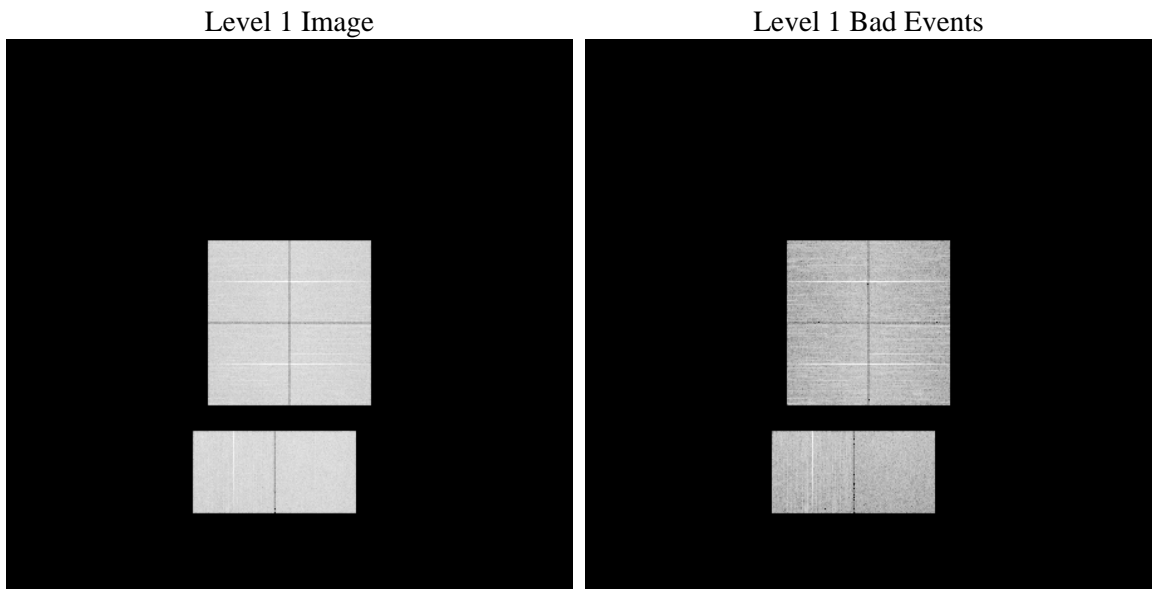
# 1 Front

seq_num	&#160	Sequence number
obs_id	57986	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	136.96543339744	Nominal RA [deg]
dec_nom	43.987072671073	Nominal Dec [deg]
roll_nom	179.87762371743	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7791.9999710321	Sum of GTIs [s]
livetime	7693.3329756198	Livetime [s]
ontime0	7754.2120563388	Sum of GTIs [s]
ontime1	7756.3488276005	Sum of GTIs [s]
ontime2	7740.1438061595	Sum of GTIs [s]
ontime3	7754.129975915	Sum of GTIs [s]
ontime6	7772.5539188385	Sum of GTIs [s]
ontime7	7791.9999710321	Sum of GTIs [s]
l2events	796048	Number of level 2 events

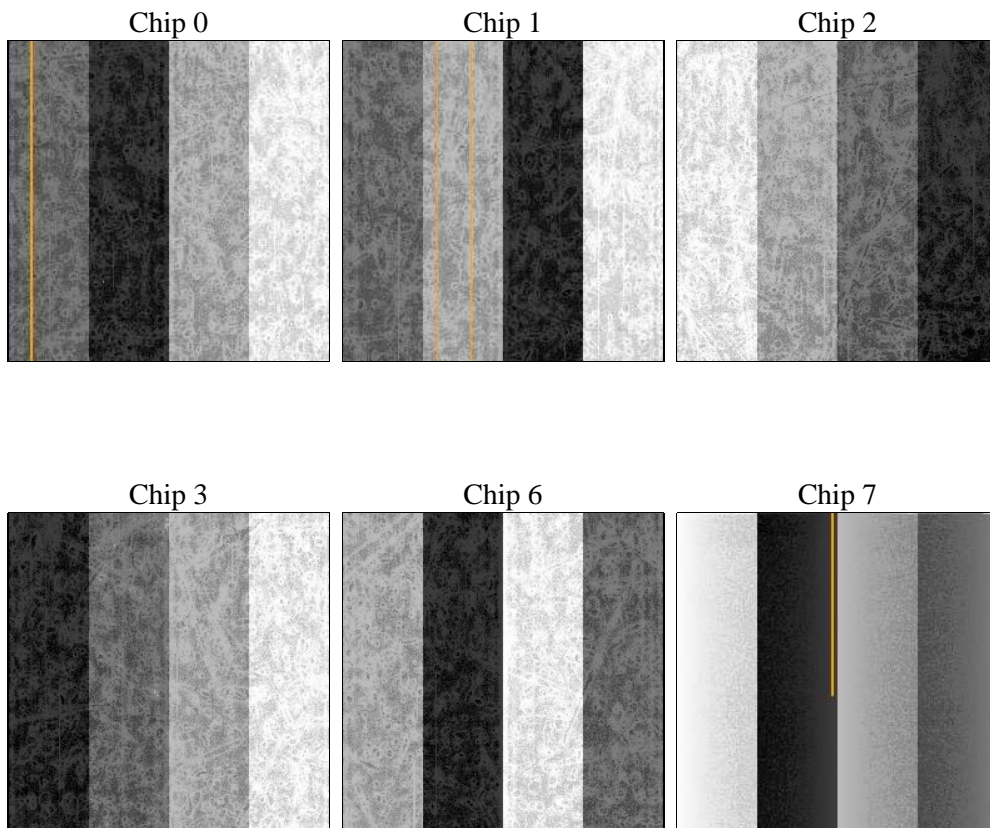
## 2 OBI

### 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	8.4.4	Processing system revision	ontime	7791.9999710321	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	7754.2120563388	Sum of GTIs [s]
date	2012-05-09T04:21:00	Date and time of file creation	ontime1	7756.3488276005	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	7740.1438061595	Sum of GTIs [s]
			ontime3	7754.129975915	Sum of GTIs [s]
			ontime6	7772.5539188385	Sum of GTIs [s]
			ontime7	7791.9999710321	Sum of GTIs [s]
			l1events	1278205	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	205012	206282	207954	214415	217000	227542	grade 0 events	71363	69078	70786	73442	70743	35032
rejected events	70332	70225	77225	78716	77811	64550		34%	33%	34%	34%	32%	15%
rejected %	34%	34%	37%	36%	35%	28%	grade 1 events	554	432	527	618	442	151
								0%	0%	0%	0%	0%	0%
							grade 2 events	23921	26741	21716	23236	25239	35781
								11%	12%	10%	10%	11%	15%
							grade 3 events	8488	8349	8643	8763	8348	14309
								4%	4%	4%	4%	3%	6%
							grade 4 events	8557	8369	8630	8836	8444	14260
								4%	4%	4%	4%	3%	6%
							grade 5 events	3983	4073	3791	4372	4237	10278
								1%	1%	1%	2%	1%	4%
							grade 6 events	22351	23520	20954	21452	26415	63610
								10%	11%	10%	10%	12%	27%
							grade 7 events	65795	65720	72907	73696	73132	54121
								32%	31%	35%	34%	33%	23%

## 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	136.9654333974375	Alternating exposures requested	N	N
[deg] Pointing Dec	0	43.98707267107347	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	179.8776237174306			
[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)	318468738.507674	318468737.48267			
Observation start date	2008-02-03T23:32:19	2008-02-03T23:32:17			
[s] Observation end time (MET)	318478566.208151	318478565.18315			
Observation end date	2008-02-04T02:16:06	2008-02-04T02:16:05			
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)	2012.05.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7919999710321

### A.2 Comments