

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 62814 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 18 2012

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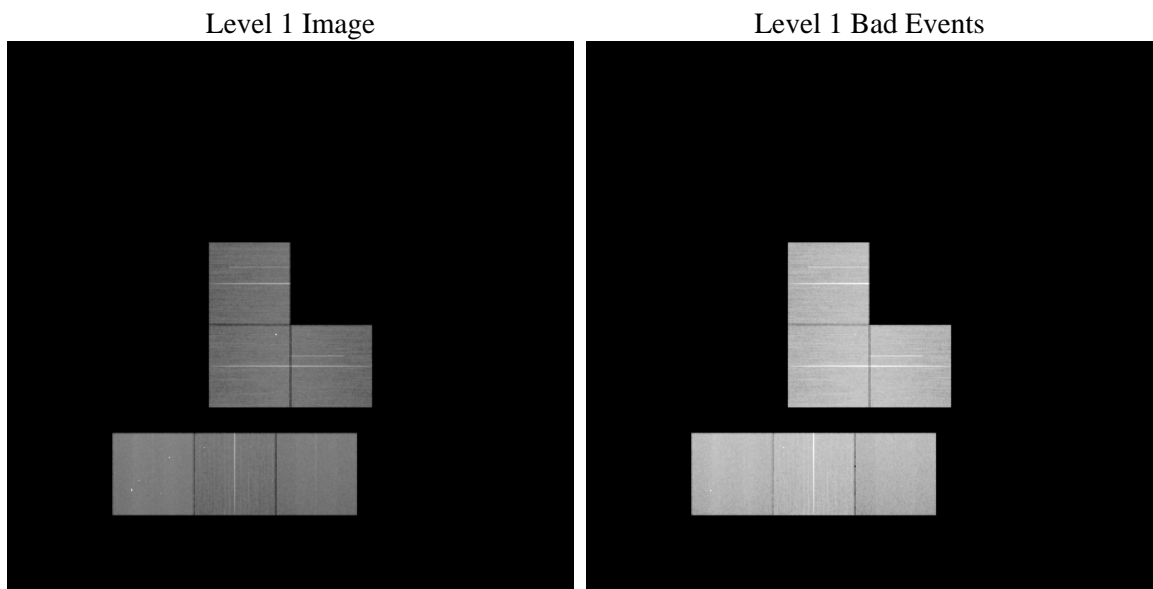
# 1 Front

seq_num	&#160	Sequence number
obs_id	62814	Observation id
title	ACIS-023567 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtycle	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	192.64493171562	Nominal RA [deg]
dec_nom	27.584334633809	Nominal Dec [deg]
roll_nom	258.03392861891	Nominal Roll [deg]
revision	2	Processing version of data
ontime	49347.199816227	Sum of GTIs [s]
livetime	48722.335858837	Livetime [s]
ontime0	49347.199816227	Sum of GTIs [s]
ontime2	49347.199816227	Sum of GTIs [s]
ontime3	49343.958845913	Sum of GTIs [s]
ontime5	49347.199816227	Sum of GTIs [s]
ontime6	49340.717935324	Sum of GTIs [s]
ontime7	49347.199816227	Sum of GTIs [s]
l2events	577930	Number of level 2 events

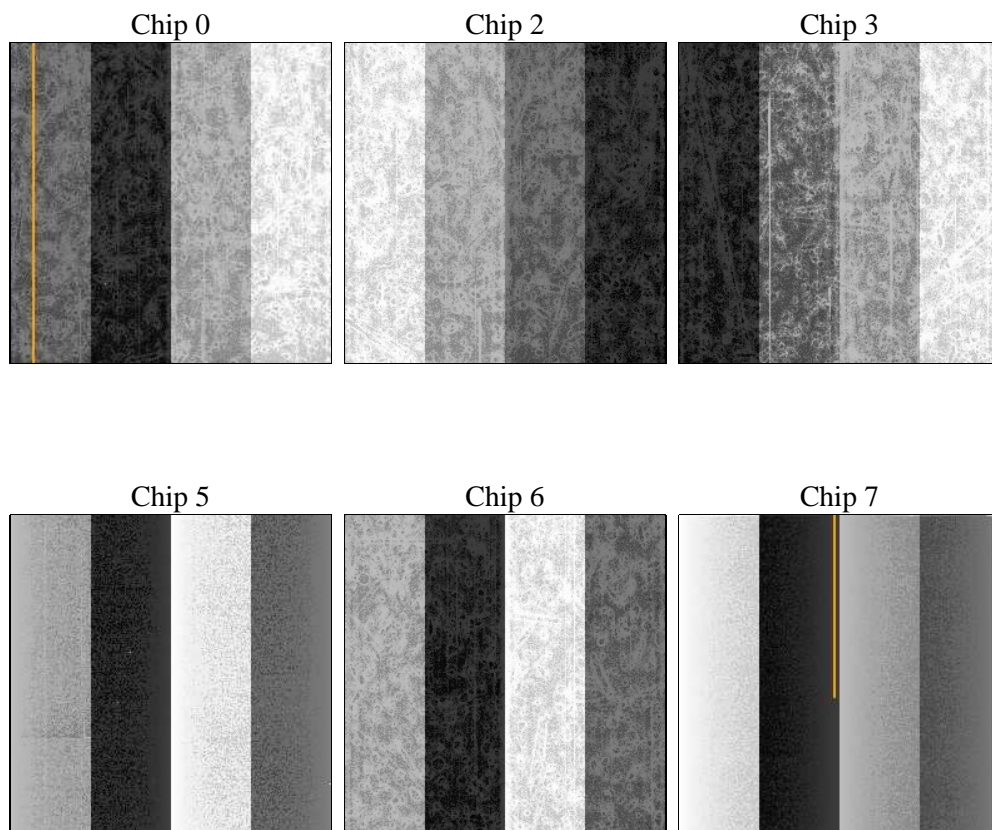
## 2 OBI

### 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	49347.199816227	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	49347.199816227	Sum of GTIs [s]
date	2012-05-18T15:35:43	Date and time of file creation	ontime2	49347.199816227	Sum of GTIs [s]
revision	2	Processing version of data	ontime3	49343.958845913	Sum of GTIs [s]
			ontime5	49347.199816227	Sum of GTIs [s]
			ontime6	49340.717935324	Sum of GTIs [s]
			ontime7	49347.199816227	Sum of GTIs [s]
			l1events	2553961	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7		ccd 0	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	359836	418731	384205	546036	401859	443294	grade 0 events	12465	26761	11927	23170	13127	18136
rejected events	321645	367543	348297	276712	361411	241870		3%	6%	3%	4%	3%	4%
rejected %	89%	87%	90%	50%	89%	54%	grade 1 events	205	301	224	1645	202	563
								0%	0%	0%	0%	0%	0%
							grade 2 events	9858	9345	8146	81125	9469	40914
								2%	2%	2%	14%	2%	9%
							grade 3 events	4392	4058	4161	11403	4337	18568
								1%	0%	1%	2%	1%	4%
							grade 4 events	4069	4088	4207	10896	4412	18623
								1%	0%	1%	1%	1%	4%
							grade 5 events	13706	12932	16029	43884	16604	47622
								3%	3%	4%	8%	4%	10%
							grade 6 events	7503	7076	7550	143382	9181	105669
								2%	1%	1%	26%	2%	23%
							grade 7 events	307638	354170	331961	230531	344527	193199
								85%	84%	86%	42%	85%	43%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-023567	ACIS-023567
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	192.6449317156195
[deg] Pointing Dec	0	27.58433463380936
[deg] Pointing Roll	0.0	258.0339286189144
[mm] SIM focus pos	-1.429586	-1.038866356238299
[mm] SIM defocus	0.1037507710433287	0.001426264420575141
[mm] SIM translation stage pos	250.455976	51.9960404362608
[mm] SIM translation stage offset	0	74.98944845534076
[s] Observation start time (MET)	333442310.287526	333442309.26254
Observation start date	2008-07-26T06:51:50	2008-07-26T06:51:49
[s] Observation end time (MET)	333493496.74003	333493495.71505
Observation end date	2008-07-26T21:04:57	2008-07-26T21:04:55
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

## **2.3 Star Slots**

## **2.4 FID Slots**

## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	49.347199816227

### A.2 Comments