

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57414 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 29 2012

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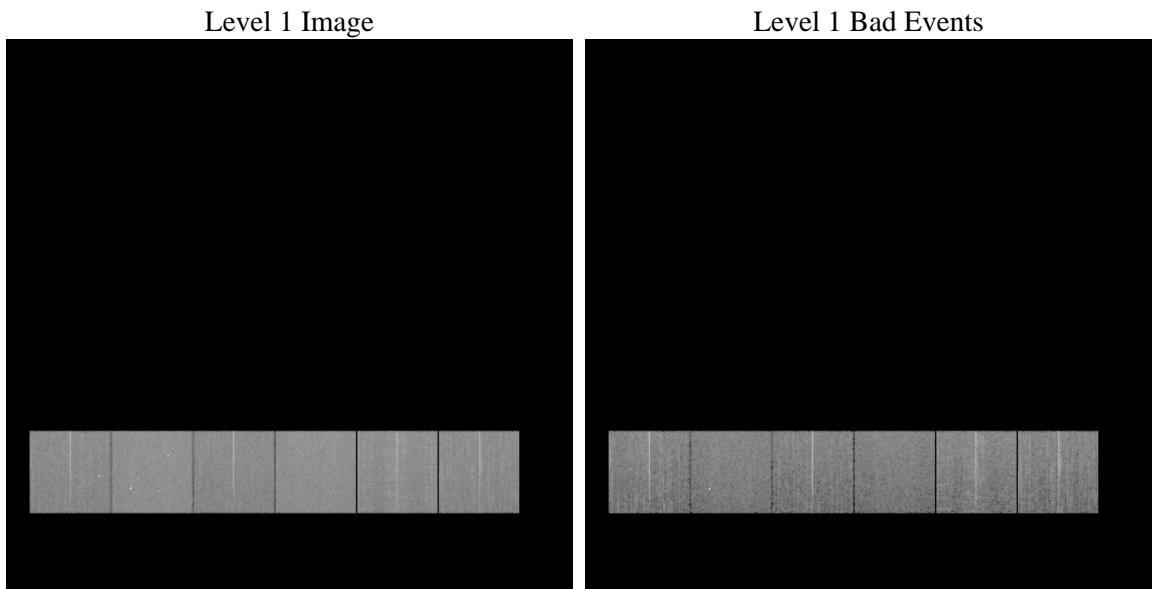
# 1 Front

seq_num	&#160	Sequence number
obs_id	57414	Observation id
title	ACIS-456789 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	120.96449543372	Nominal RA [deg]
dec_nom	40.009217366167	Nominal Dec [deg]
roll_nom	128.26771918865	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8226.945078969	Sum of GTIs [s]
livetime	8122.7705467075	Livetime [s]
ontime4	8226.8219589591	Sum of GTIs [s]
ontime5	8226.9040389657	Sum of GTIs [s]
ontime6	8226.8629989624	Sum of GTIs [s]
ontime7	8226.945078969	Sum of GTIs [s]
ontime8	8226.7809189558	Sum of GTIs [s]
ontime9	8226.9861189723	Sum of GTIs [s]
l2events	556124	Number of level 2 events

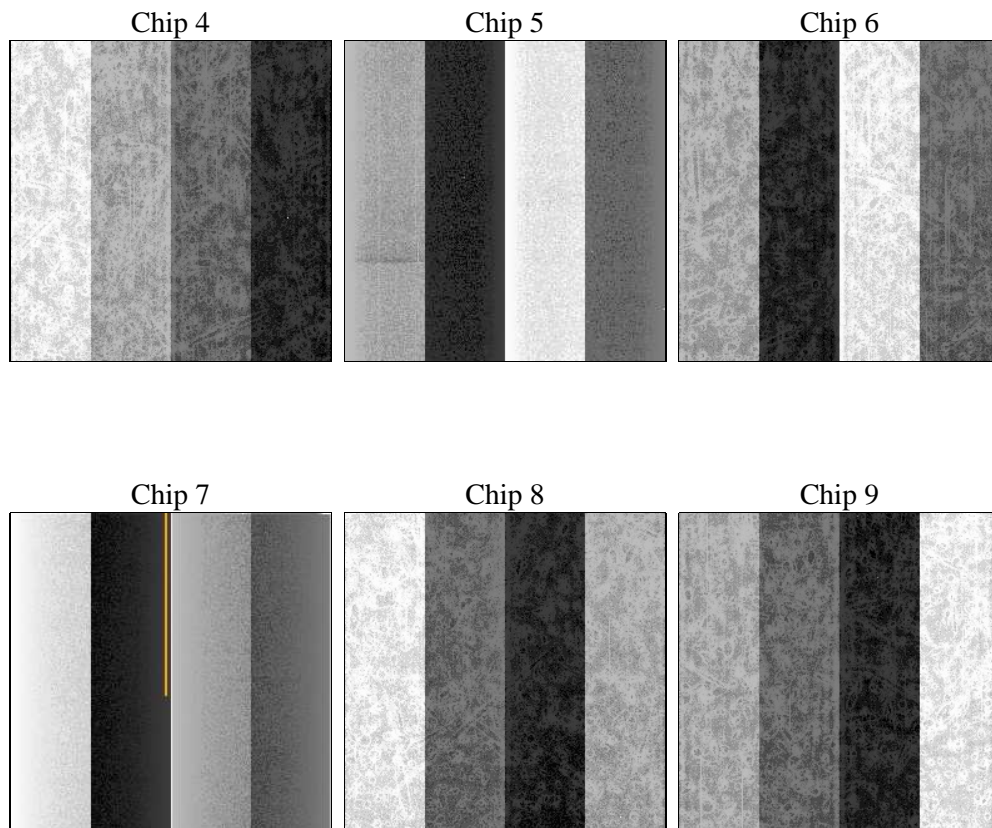
## 2 OBI

### 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	8226.945078969	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	8226.8219589591	Sum of GTIs [s]
date	2012-05-29T21:09:51	Date and time of file creation	ontime5	8226.9040389657	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8226.8629989624	Sum of GTIs [s]
			ontime7	8226.945078969	Sum of GTIs [s]
			ontime8	8226.7809189558	Sum of GTIs [s]
			ontime9	8226.9861189723	Sum of GTIs [s]
			l1events	1075882	Number of level 1 events

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	165818	198600	163762	191857	188475	167370	grade 0 events	48901	19269	47021	23339	51317	45969
rejected events	81539	76185	75377	70022	85630	82151		29%	9%	28%	12%	27%	27%
rejected %	49%	38%	46%	36%	45%	49%	grade 1 events	487	213	280	172	364	347
								0%	0%	0%	0%	0%	0%
							grade 2 events	13377	44053	15815	26844	19092	14854
								8%	22%	9%	13%	10%	8%
							grade 3 events	5801	5814	5765	11377	7670	5691
								3%	2%	3%	5%	4%	3%
							grade 4 events	5744	5698	5747	11478	7550	5720
								3%	2%	3%	5%	4%	3%
							grade 5 events	4249	10608	4499	11268	5925	4923
								2%	5%	2%	5%	3%	2%
							grade 6 events	11000	48382	14608	49568	17810	13539
								6%	24%	8%	25%	9%	8%
							grade 7 events	76259	64563	70027	57811	78747	76327
								45%	32%	42%	30%	41%	45%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	120.9644954337159	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	40.00921736616733	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	128.2677191886488	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	347074297.718686	347074296.69368			
Observation start date	2008-12-31T01:31:38	2008-12-31T01:31:36			
[s] Observation end time (MET)	347086435.769286	347086434.74428			
Observation end date	2008-12-31T04:53:56	2008-12-31T04:53:54			
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)	2012.06.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.226945078969

### A.2 Comments