

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 62094 - L2 Version 5  
Chandra X-Ray Center

L2 Processing Date : Aug 25 2012

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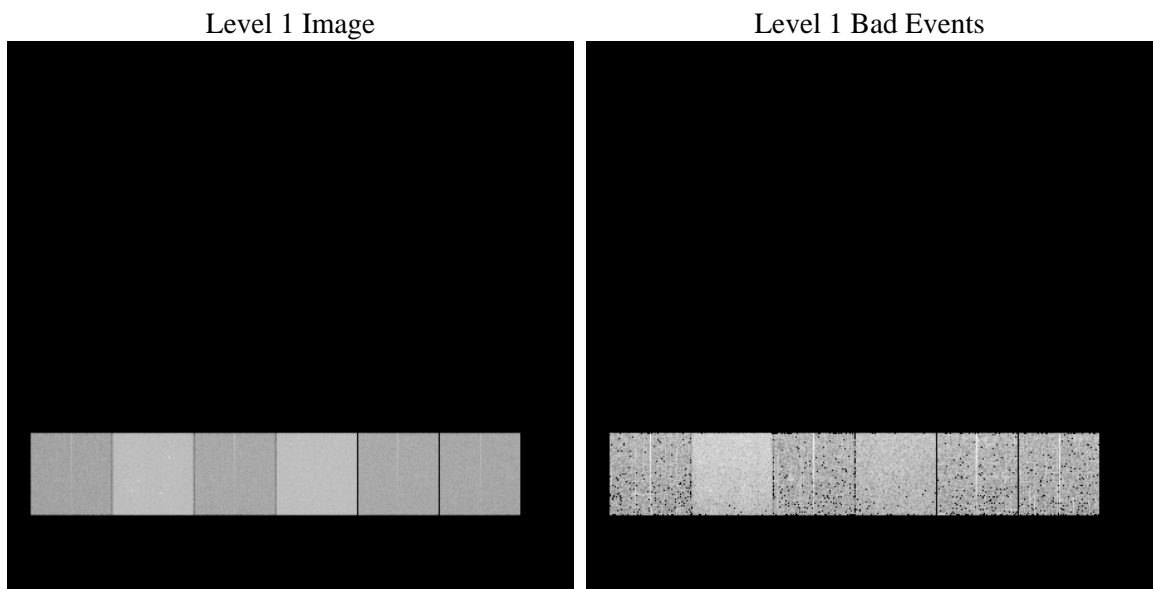
# 1 Front

seq_num	&#160	Sequence number
obs_id	62094	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	122.03436724134	Nominal RA [deg]
dec_nom	-55.021038600742	Nominal Dec [deg]
roll_nom	280.87262839062	Nominal Roll [deg]
revision	5	Processing version of data
ontime	4555.289028421	Sum of GTIs [s]
livetime	4497.6072158774	Livetime [s]
ontime4	1756.6422794312	Sum of GTIs [s]
ontime5	4877.7429729402	Sum of GTIs [s]
ontime6	1952.6659730524	Sum of GTIs [s]
ontime7	4555.289028421	Sum of GTIs [s]
ontime8	2009.4431894124	Sum of GTIs [s]
ontime9	1926.8607731164	Sum of GTIs [s]
l2events	1384324	Number of level 2 events

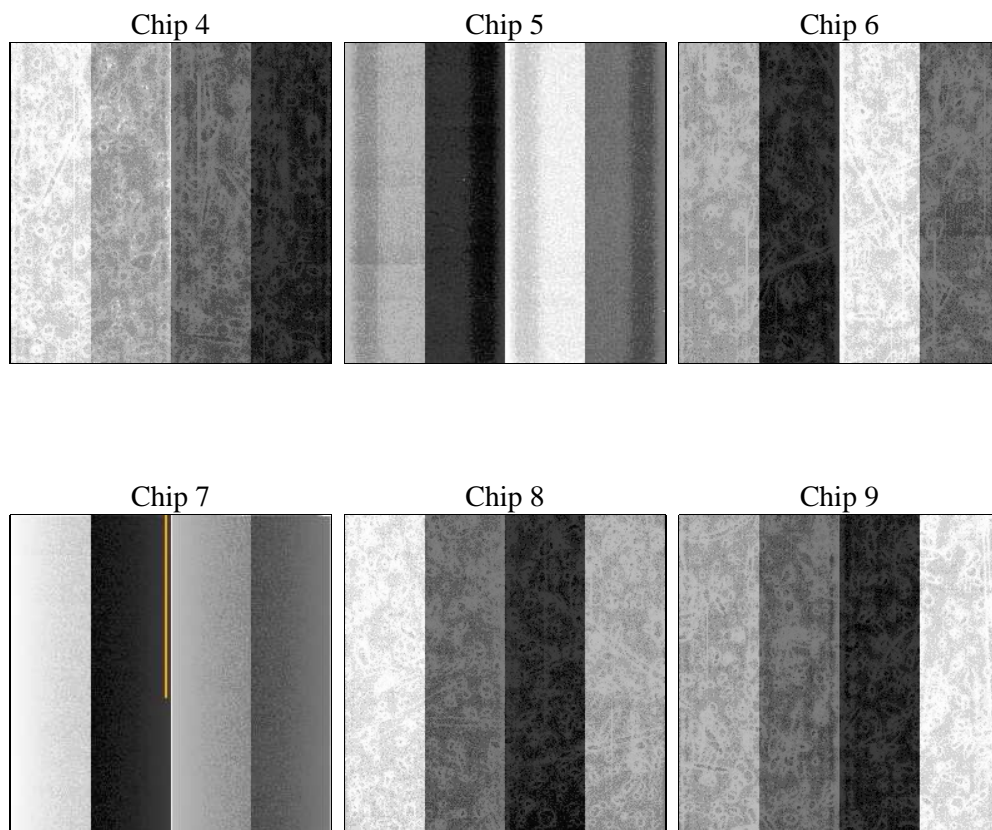
## 2 OBI

### 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	8.4.5	Processing system revision	ontime	4555.289028421	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime4	1756.6422794312	Sum of GTIs [s]
date	2012-08-25T15:14:12	Date and time of file creation	ontime5	4877.7429729402	Sum of GTIs [s]
revision	5	Processing version of data	ontime6	1952.6659730524	Sum of GTIs [s]
			ontime7	4555.289028421	Sum of GTIs [s]
			ontime8	2009.4431894124	Sum of GTIs [s]
			ontime9	1926.8607731164	Sum of GTIs [s]
			l1events	1590960	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	164462	415419	195014	429901	200448	185716	grade 0 events	82517	95966	96406	103611	99060	91730
rejected events	19385	41064	20236	26457	21423	19783		50%	23%	49%	24%	49%	49%
rejected %	11%	9%	10%	6%	10%	10%	grade 1 events	549	259	549	287	558	565
								0%	0%	0%	0%	0%	0%
							grade 2 events	25538	131100	30401	89476	31814	29179
								15%	31%	15%	20%	15%	15%
							grade 3 events	8860	24882	10740	41321	11193	10183
								5%	5%	5%	9%	5%	5%
							grade 4 events	8982	24508	10740	41455	11167	10269
								5%	5%	5%	9%	5%	5%
							grade 5 events	1276	8329	1479	5851	1558	1444
								0%	2%	0%	1%	0%	0%
							grade 6 events	19714	99081	27618	128745	26308	25147
								11%	23%	14%	29%	13%	13%
							grade 7 events	17026	31294	17081	19155	18790	17199
								10%	7%	8%	4%	9%	9%

## 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	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	122.0343672413398	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-55.02103860074173	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	280.872628390618			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	71310026.789565	71310025.764568			
Observation start date	2000-04-05T08:20:27	2000-04-05T08:20:25			
[s] Observation end time (MET)	71321916.790001	71321915.765003			
Observation end date	2000-04-05T11:38:37	2000-04-05T11:38:35			
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)	2012.08.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.555289028421

### A.2 Comments