

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57994 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 8 2012

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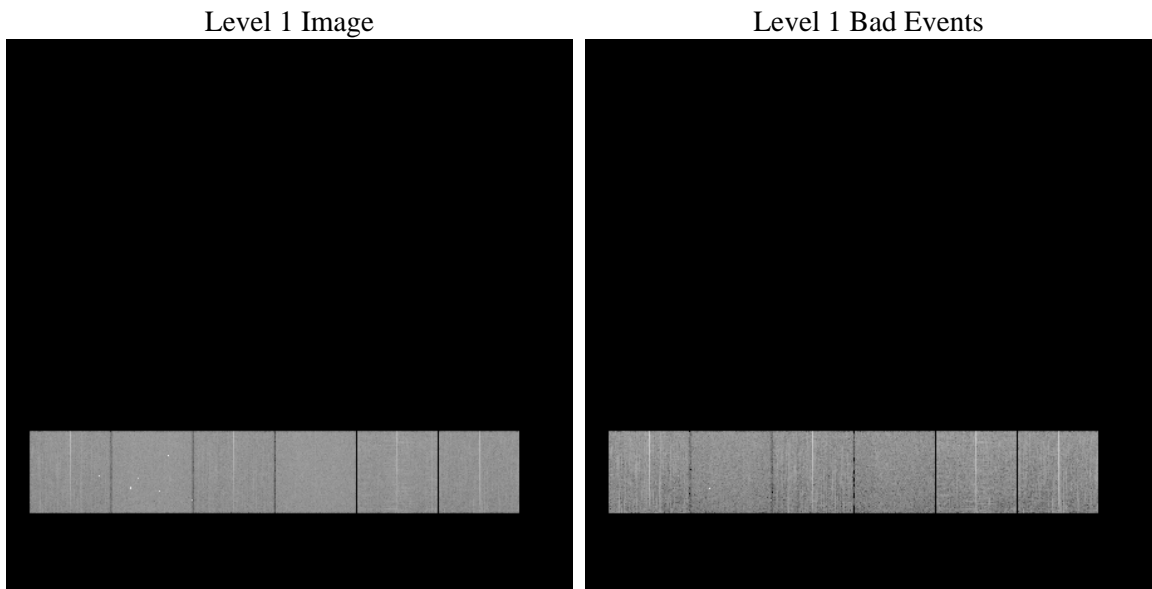
# 1 Front

seq_num	&#160	Sequence number
obs_id	57994	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	128.0250531577	Nominal RA [deg]
dec_nom	-7.9854691310013	Nominal Dec [deg]
roll_nom	357.43988504008	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7429.7152181268	Sum of GTIs [s]
livetime	7335.6356903974	Livetime [s]
ontime4	7426.3511078358	Sum of GTIs [s]
ontime5	7429.6741781235	Sum of GTIs [s]
ontime6	7429.6331381202	Sum of GTIs [s]
ontime7	7429.7152181268	Sum of GTIs [s]
ontime8	7429.5510581136	Sum of GTIs [s]
ontime9	7429.7562581301	Sum of GTIs [s]
l2events	596918	Number of level 2 events

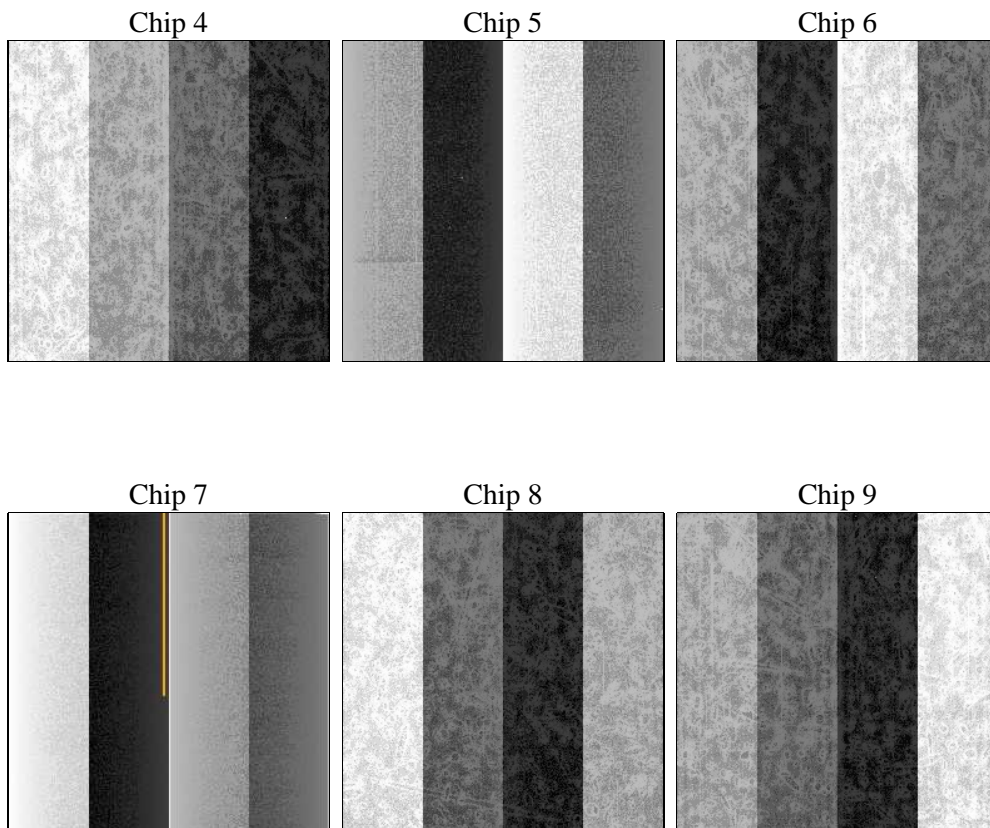
## 2 OBI

### 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	7429.7152181268	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	7426.3511078358	Sum of GTIs [s]
date	2012-05-08T17:01:23	Date and time of file creation	ontime5	7429.6741781235	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7429.6331381202	Sum of GTIs [s]
			ontime7	7429.7152181268	Sum of GTIs [s]
			ontime8	7429.5510581136	Sum of GTIs [s]
			ontime9	7429.7562581301	Sum of GTIs [s]
			l1events	1062961	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	169466	190547	167978	185764	182129	167077	grade 0 events	53746	22795	52152	25825	55893	50876
rejected events	76416	64280	69841	59263	73055	72405		31%	11%	31%	13%	30%	30%
rejected %	45%	33%	41%	31%	40%	43%	grade 1 events	515	262	300	155	383	365
								0%	0%	0%	0%	0%	0%
							grade 2 events	14649	44634	17499	27589	19943	16512
								8%	23%	10%	14%	10%	9%
							grade 3 events	6400	6119	6259	11982	7482	6403
								3%	3%	3%	6%	4%	3%
							grade 4 events	6279	5961	6323	11973	7454	6212
								3%	3%	3%	6%	4%	3%
							grade 5 events	3780	8944	4065	9740	5079	4279
								2%	4%	2%	5%	2%	2%
							grade 6 events	12021	46818	15941	49183	18348	14703
								7%	24%	9%	26%	10%	8%
							grade 7 events	72076	55014	65439	49317	67547	67727
								42%	28%	38%	26%	37%	40%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	128.0250531576986
[deg] Pointing Dec	0	-7.985469131001286
[deg] Pointing Roll	0.0	357.4398850400752
[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)	317824195.926406	317824194.9014
Observation start date	2008-01-27T12:29:56	2008-01-27T12:29:54
[s] Observation end time (MET)	317846758.227501	317846757.2025
Observation end date	2008-01-27T18:45:58	2008-01-27T18:45:57
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.4297152181268

### A.2 Comments