

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 57095 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 7 2012

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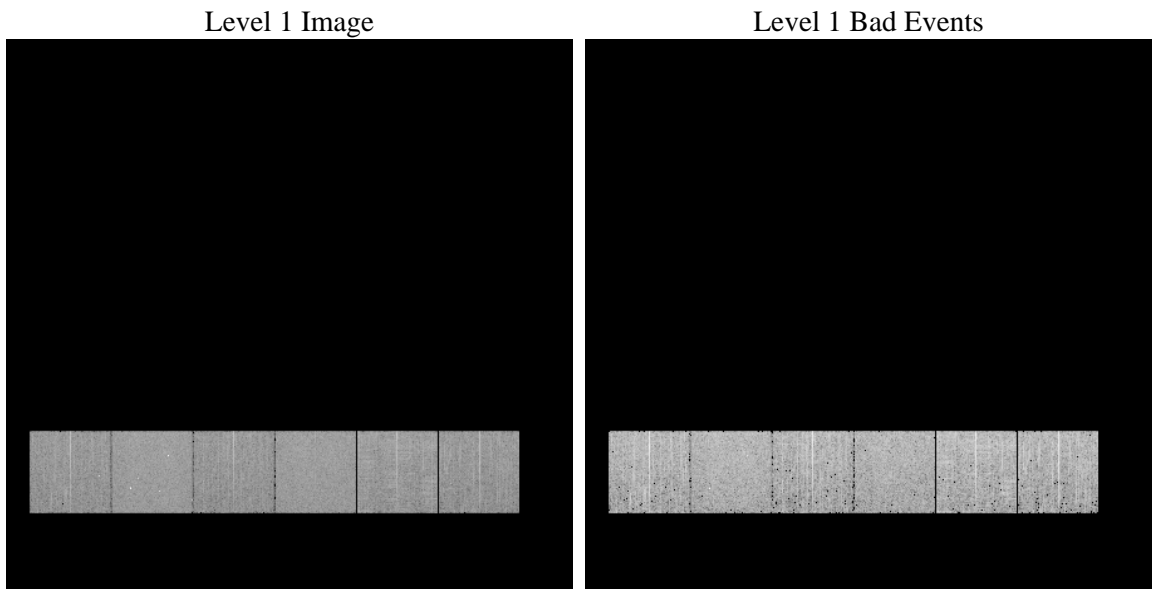
# 1 Front

seq_num	&#160	Sequence number
obs_id	57095	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	356.97840948266	Nominal RA [deg]
dec_nom	20.020388514355	Nominal Dec [deg]
roll_nom	102.20556862938	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3033.5999887586	Sum of GTIs [s]
livetime	2995.1867190863	Livetime [s]
ontime4	3033.5999887586	Sum of GTIs [s]
ontime5	3033.5999887586	Sum of GTIs [s]
ontime6	3033.5999887586	Sum of GTIs [s]
ontime7	3033.5999887586	Sum of GTIs [s]
ontime8	3033.5999887586	Sum of GTIs [s]
ontime9	3033.5999887586	Sum of GTIs [s]
l2events	193403	Number of level 2 events

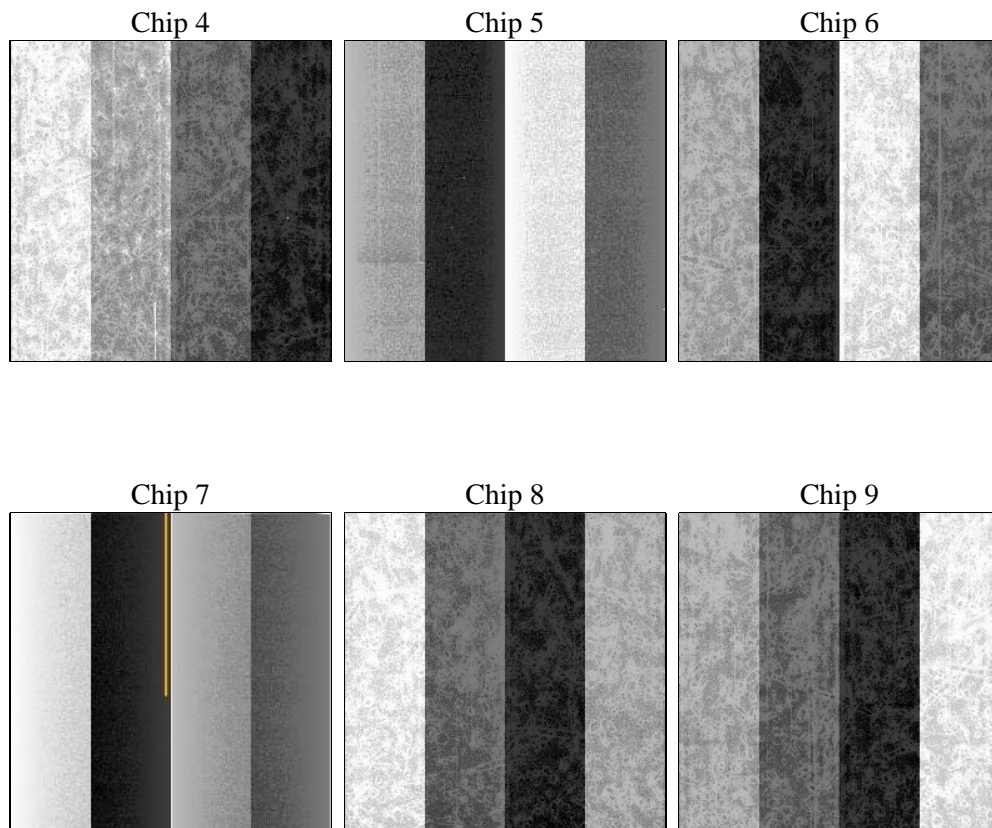
## 2 OBI

### 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	3033.5999887586	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime4	3033.5999887586	Sum of GTIs [s]
date	2012-06-07T17:01:13	Date and time of file creation	ontime5	3033.5999887586	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	3033.5999887586	Sum of GTIs [s]
			ontime7	3033.5999887586	Sum of GTIs [s]
			ontime8	3033.5999887586	Sum of GTIs [s]
			ontime9	3033.5999887586	Sum of GTIs [s]
			l1events	416437	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	64235	77565	62741	74493	73181	64222	grade 0 events	17618	7837	16795	8791	18592	16901
rejected events	35335	33204	32929	31175	38115	35020		27%	10%	26%	11%	25%	26%
rejected %	55%	42%	52%	41%	52%	54%	grade 1 events	185	83	106	79	141	135
								0%	0%	0%	0%	0%	0%
							grade 2 events	5026	16597	5824	10184	7078	5579
								7%	21%	9%	13%	9%	8%
							grade 3 events	2193	2158	2087	4381	2906	2102
								3%	2%	3%	5%	3%	3%
							grade 4 events	2129	2045	2085	4302	2683	2082
								3%	2%	3%	5%	3%	3%
							grade 5 events	1689	4157	1697	4569	2264	1960
								2%	5%	2%	6%	3%	3%
							grade 6 events	4201	19128	5405	19074	6681	4818
								6%	24%	8%	25%	9%	7%
							grade 7 events	31194	25560	28742	23113	32836	30645
								48%	32%	45%	31%	44%	47%

## 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	356.9784094826604
[deg] Pointing Dec	0	20.02038851435519
[deg] Pointing Roll	0.0	102.2055686293814
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	359375294.629624	359375294.629624
Observation start date	2009-05-22T10:28:15	2009-05-22T10:28:14
[s] Observation end time (MET)	359379841.76938	359379841.76938
Observation end date	2009-05-22T11:44:02	2009-05-22T11:44:01
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
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)	2012.06.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.0335999887586

### A.2 Comments