

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57903 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 11 2012

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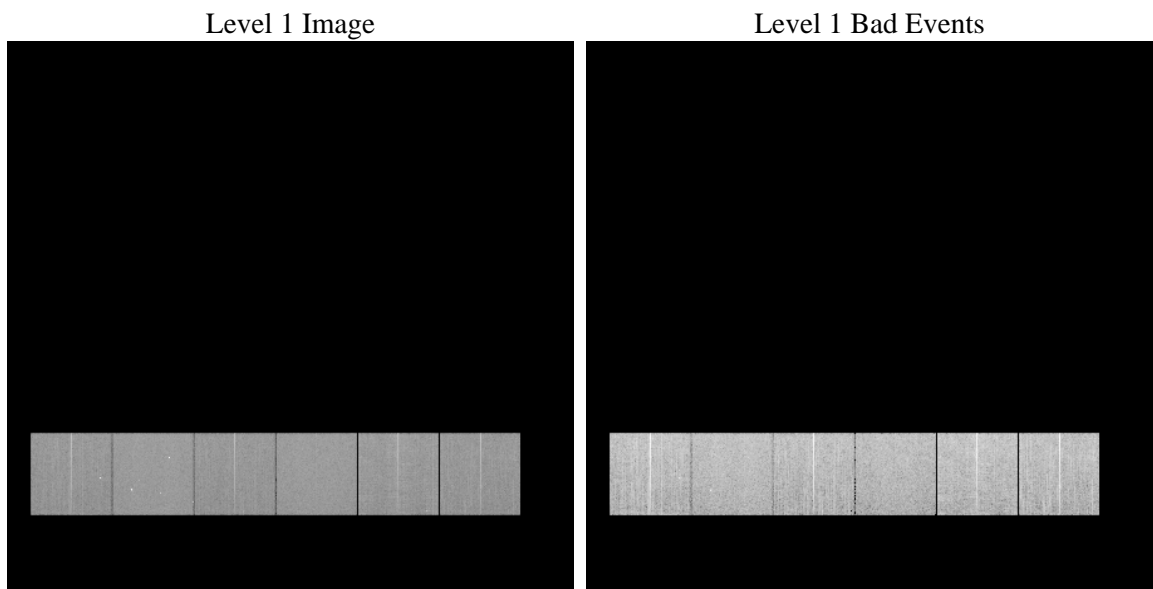
# 1 Front

seq_num	&#160	Sequence number
obs_id	57903	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	204.47656350409	Nominal RA [deg]
dec_nom	9.8170679742661	Nominal Dec [deg]
roll_nom	110.66530382074	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8159.9999696612	Sum of GTIs [s]
livetime	8056.6731366833	Livetime [s]
ontime4	8159.9999696612	Sum of GTIs [s]
ontime5	8159.9999696612	Sum of GTIs [s]
ontime6	8159.9999696612	Sum of GTIs [s]
ontime7	8159.9999696612	Sum of GTIs [s]
ontime8	8159.9999696612	Sum of GTIs [s]
ontime9	8159.9999696612	Sum of GTIs [s]
l2events	636895	Number of level 2 events

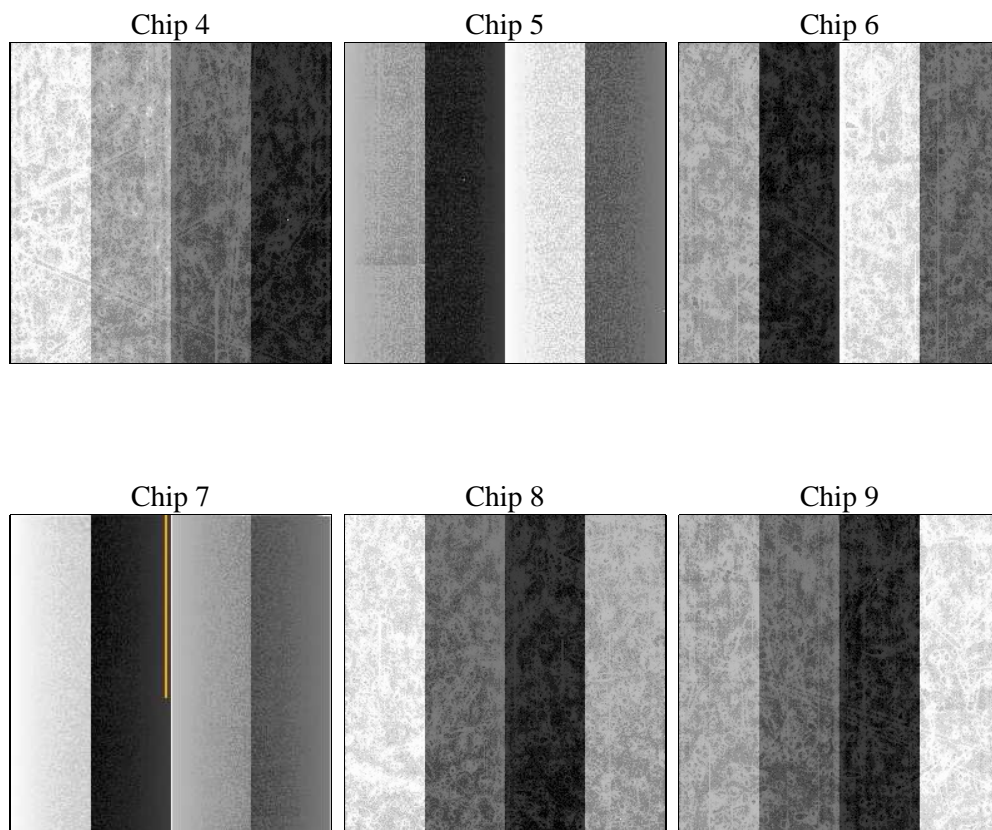
## 2 OBI

### 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	8159.9999696612	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	8159.9999696612	Sum of GTIs [s]
date	2012-05-11T17:19:08	Date and time of file creation	ontime5	8159.9999696612	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8159.9999696612	Sum of GTIs [s]
			ontime7	8159.9999696612	Sum of GTIs [s]
			ontime8	8159.9999696612	Sum of GTIs [s]
			ontime9	8159.9999696612	Sum of GTIs [s]
			l1events	1152085	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	182173	206613	179670	202259	201087	180283	grade 0 events	57957	24288	56377	27976	60486	55015
rejected events	83024	72705	75131	66821	84010	79414		31%	11%	31%	13%	30%	30%
rejected %	45%	35%	41%	33%	41%	44%	grade 1 events	569	244	353	157	403	432
								0%	0%	0%	0%	0%	0%
							grade 2 events	15901	47904	18480	29617	21684	17918
								8%	23%	10%	14%	10%	9%
							grade 3 events	6877	6748	6840	13047	8500	6873
								3%	3%	3%	6%	4%	3%
							grade 4 events	6854	6614	6719	12941	8261	6786
								3%	3%	3%	6%	4%	3%
							grade 5 events	4270	9937	4350	10814	5484	4779
								2%	4%	2%	5%	2%	2%
							grade 6 events	12958	50283	17585	53818	19820	15714
								7%	24%	9%	26%	9%	8%
							grade 7 events	76787	60595	68966	53889	76449	72766
								42%	29%	38%	26%	38%	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	204.4765635040892
[deg] Pointing Dec	0	9.817067974266084
[deg] Pointing Roll	0.0	110.6653038207403
[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)	322393365.29828	322393364.2733
Observation start date	2008-03-20T09:42:45	2008-03-20T09:42:44
[s] Observation end time (MET)	322416597.949409	322416596.92443
Observation end date	2008-03-20T16:09:58	2008-03-20T16:09:56
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)	2012.05.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1599999696612

### A.2 Comments