

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 58919 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 4 2012

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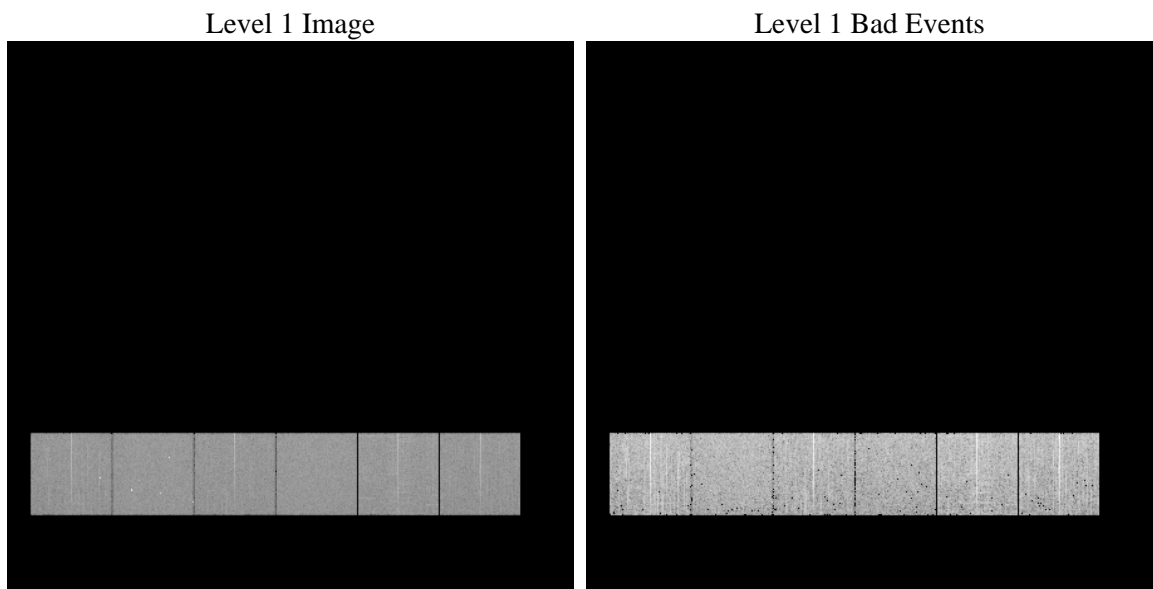
# 1 Front

seq_num	&#160	Sequence number
obs_id	58919	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	250.04357420093	Nominal RA [deg]
dec_nom	-49.002675184092	Nominal Dec [deg]
roll_nom	321.0762801794	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4051.1999849081	Sum of GTIs [s]
livetime	3999.9012513594	Livetime [s]
ontime4	4051.1999849081	Sum of GTIs [s]
ontime5	4051.1999849081	Sum of GTIs [s]
ontime6	4051.1999849081	Sum of GTIs [s]
ontime7	4051.1999849081	Sum of GTIs [s]
ontime8	4051.1999849081	Sum of GTIs [s]
ontime9	4051.1999849081	Sum of GTIs [s]
l2events	453569	Number of level 2 events

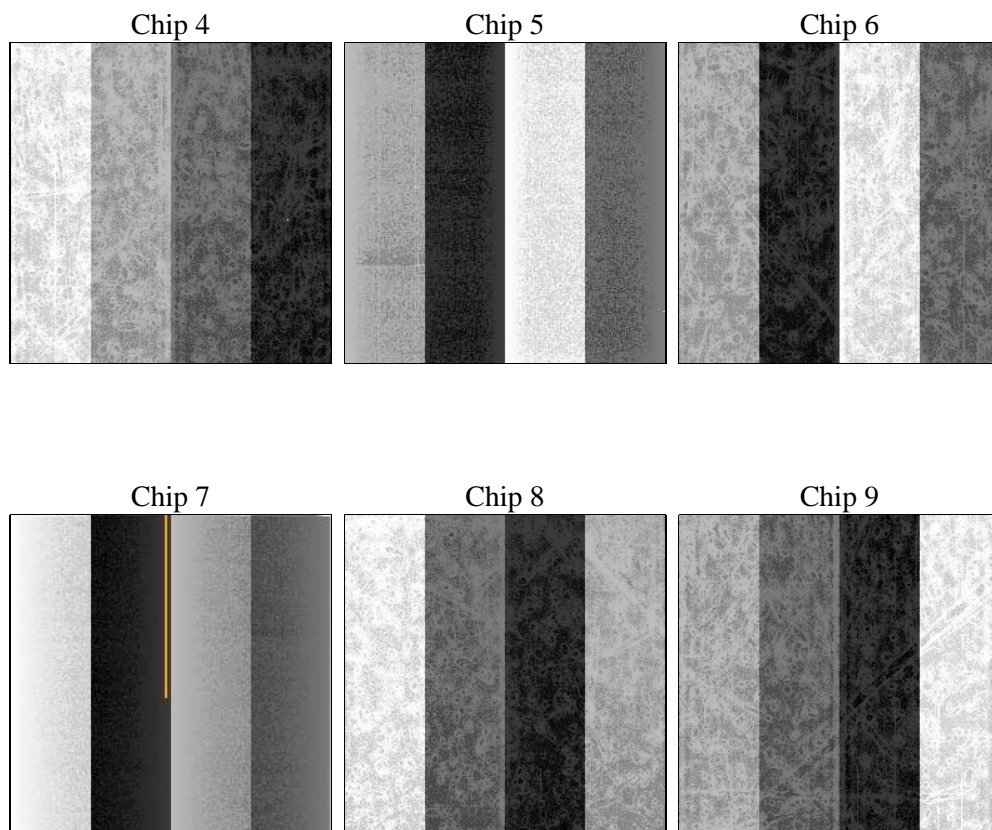
## 2 OBI

### 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	8.4.3.1	Processing system revision	ontime	4051.1999849081	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	4051.1999849081	Sum of GTIs [s]
date	2012-04-04T00:59:58	Date and time of file creation	ontime5	4051.1999849081	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	4051.1999849081	Sum of GTIs [s]
			ontime7	4051.1999849081	Sum of GTIs [s]
			ontime8	4051.1999849081	Sum of GTIs [s]
			ontime9	4051.1999849081	Sum of GTIs [s]
			l1events	705567	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	114045	119471	113111	121353	124850	112737	grade 0 events	42718	17647	42196	20302	44138	40895
rejected events	40274	32664	34942	30077	41072	37667		37%	14%	37%	16%	35%	36%
rejected %	35%	27%	30%	24%	32%	33%	grade 1 events	393	197	229	86	293	277
								0%	0%	0%	0%	0%	0%
							grade 2 events	11840	30923	13705	19929	15140	12869
								10%	25%	12%	16%	12%	11%
							grade 3 events	4949	4781	4942	9000	5759	4937
								4%	4%	4%	7%	4%	4%
							grade 4 events	4887	4871	4950	8970	5645	4875
								4%	4%	4%	7%	4%	4%
							grade 5 events	1959	4721	2193	5161	2635	2332
								1%	3%	1%	4%	2%	2%
							grade 6 events	9422	28652	12440	33150	13145	11549
								8%	23%	10%	27%	10%	10%
							grade 7 events	37877	27679	32456	24755	38095	35003
								33%	23%	28%	20%	30%	31%

## 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	250.0435742009261
[deg] Pointing Dec	0	-49.00267518409179
[deg] Pointing Roll	0.0	321.0762801793967
[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)	267297343.319035	267297342.29402
Observation start date	2006-06-21T17:15:43	2006-06-21T17:15:42
[s] Observation end time (MET)	267308757.719569	267308756.69455
Observation end date	2006-06-21T20:25:58	2006-06-21T20:25:56
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.04.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.0511999849081

### **A.2 Comments**