

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 54933 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Jan 15 2012

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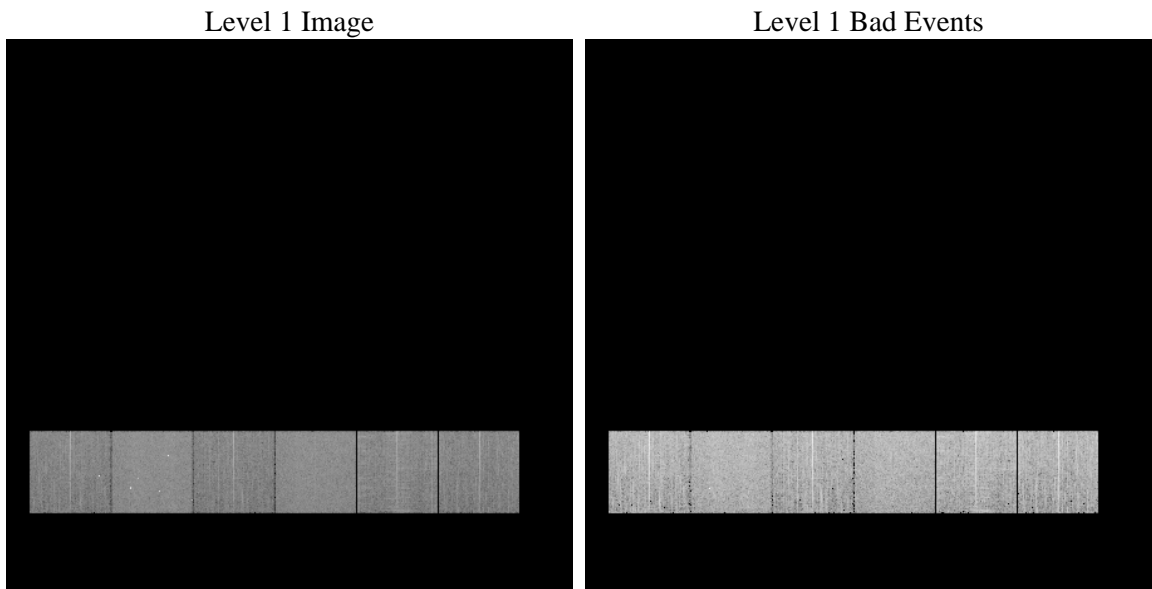
# 1 Front

seq_num	&#160	Sequence number
obs_id	54933	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	244.91642477648	Nominal RA [deg]
dec_nom	-71.987480153591	Nominal Dec [deg]
roll_nom	121.25202490144	Nominal Roll [deg]
revision	1	Processing version of data
ontime	6723.1224155426	Sum of GTIs [s]
livetime	6637.9901913387	Livetime [s]
ontime4	6722.9992955327	Sum of GTIs [s]
ontime5	6723.0813755393	Sum of GTIs [s]
ontime6	6723.040335536	Sum of GTIs [s]
ontime7	6723.1224155426	Sum of GTIs [s]
ontime8	6722.9582555294	Sum of GTIs [s]
ontime9	6723.1634555459	Sum of GTIs [s]
l2events	255132	Number of level 2 events

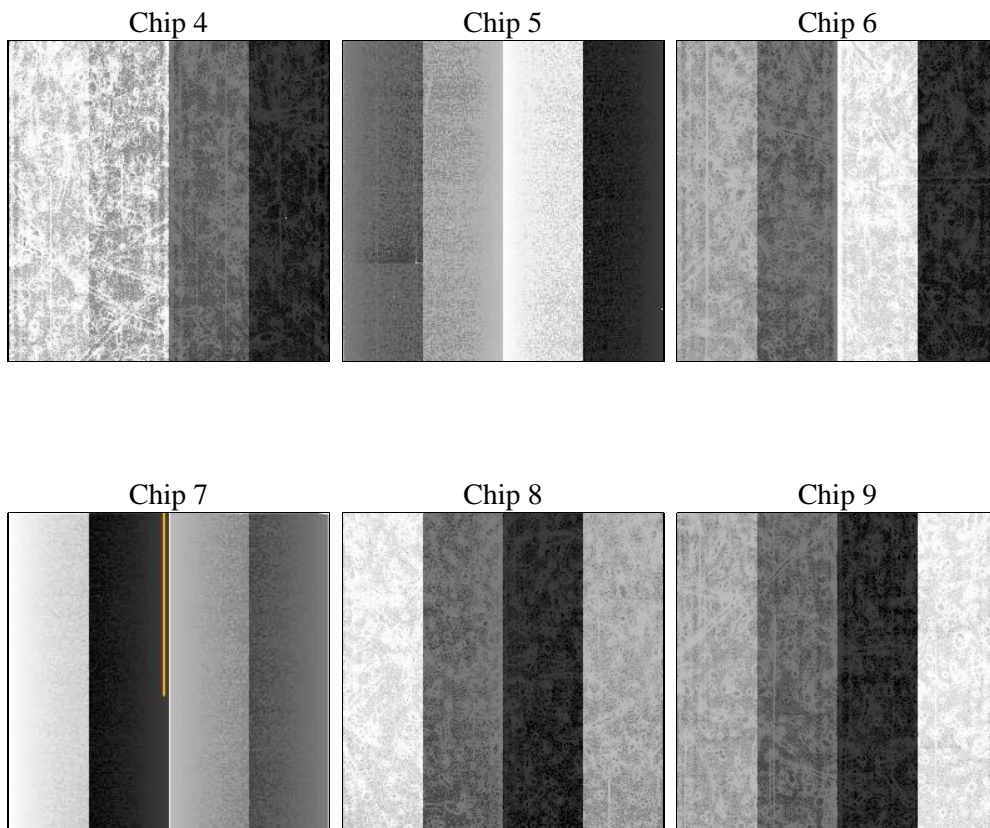
## 2 OBI

### 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	Processing system revision	ontime	6723.1224155426	Sum of GTIs [s]
caldsver	4.4.7	&#160	ontime4	6722.9992955327	Sum of GTIs [s]
date	2012-01-16T02:26:41	Date and time of file creation	ontime5	6723.0813755393	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	6723.040335536	Sum of GTIs [s]
			ontime7	6723.1224155426	Sum of GTIs [s]
			ontime8	6722.9582555294	Sum of GTIs [s]
			ontime9	6723.1634555459	Sum of GTIs [s]
			l1events	584447	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	87592	116997	84357	109156	98531	87814	grade 0 events	21077	9308	18972	9697	21136	18908
rejected events	50663	51183	47230	48703	53322	51575		24%	7%	22%	8%	21%	21%
rejected %	57%	43%	55%	44%	54%	58%	grade 1 events	170	180	88	116	139	139
								0%	0%	0%	0%	0%	0%
							grade 2 events	5841	22572	6895	13108	8789	6545
								6%	19%	8%	12%	8%	7%
							grade 3 events	2650	2696	2459	5433	3507	2476
								3%	2%	2%	4%	3%	2%
							grade 4 events	2586	2593	2468	5246	3384	2451
								2%	2%	2%	4%	3%	2%
							grade 5 events	2906	6562	2955	7507	3929	3368
								3%	5%	3%	6%	3%	3%
							grade 6 events	4796	28680	6348	26990	8416	5883
								5%	24%	7%	24%	8%	6%
							grade 7 events	47566	44406	44172	41059	49231	48044
								54%	37%	52%	37%	49%	54%

## 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	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	244.9164247764816	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-71.98748015359095	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	121.2520249014383	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	443002709.286338	443002708.26134			
Observation start date	2012-01-15T08:18:29	2012-01-15T08:18:28			
[s] Observation end time (MET)	443011028.186778	443011027.16178			
Observation end date	2012-01-15T10:37:08	2012-01-15T10:37:07			
Read mode	TIMED	TIMED			

## **2.3 Star Slots**

## **2.4 FID Slots**

## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.01.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.7231224155426

### A.2 Comments