

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 54372 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Aug 30 2012

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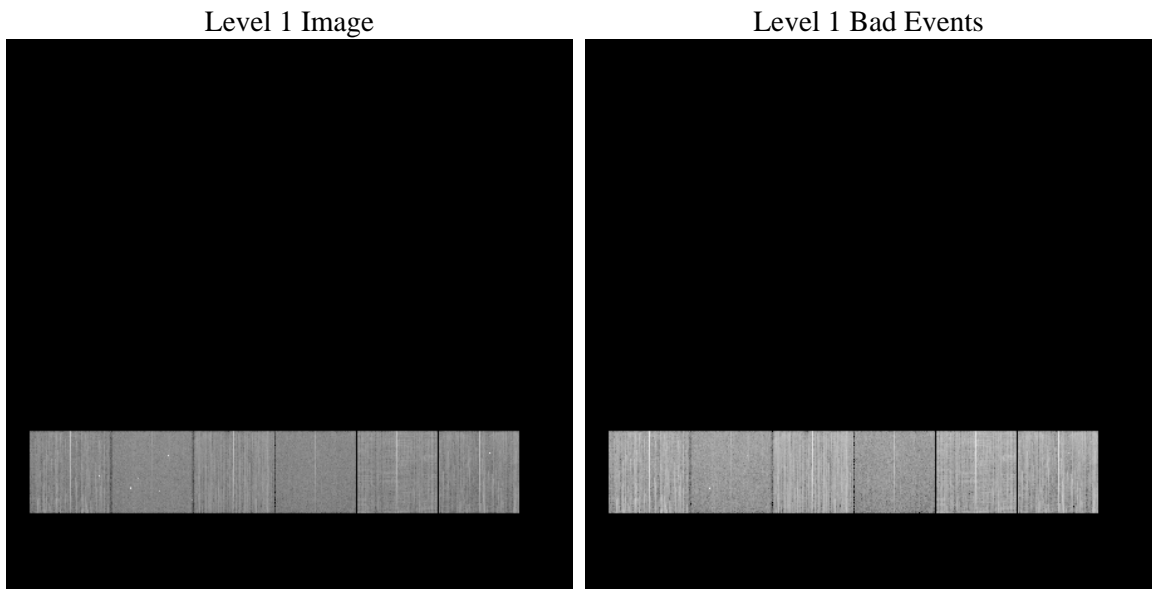
# 1 Front

seq_num	&#160	Sequence number
obs_id	54372	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	325.29181393461	Nominal RA [deg]
dec_nom	-26.97752099374	Nominal Dec [deg]
roll_nom	313.06480168039	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8038.0274077058	Sum of GTIs [s]
livetime	7936.2450647504	Livetime [s]
ontime4	8037.9042876959	Sum of GTIs [s]
ontime5	8037.9863677025	Sum of GTIs [s]
ontime6	8037.9453276992	Sum of GTIs [s]
ontime7	8038.0274077058	Sum of GTIs [s]
ontime8	8034.6222474575	Sum of GTIs [s]
ontime9	8038.0684477091	Sum of GTIs [s]
l2events	265923	Number of level 2 events

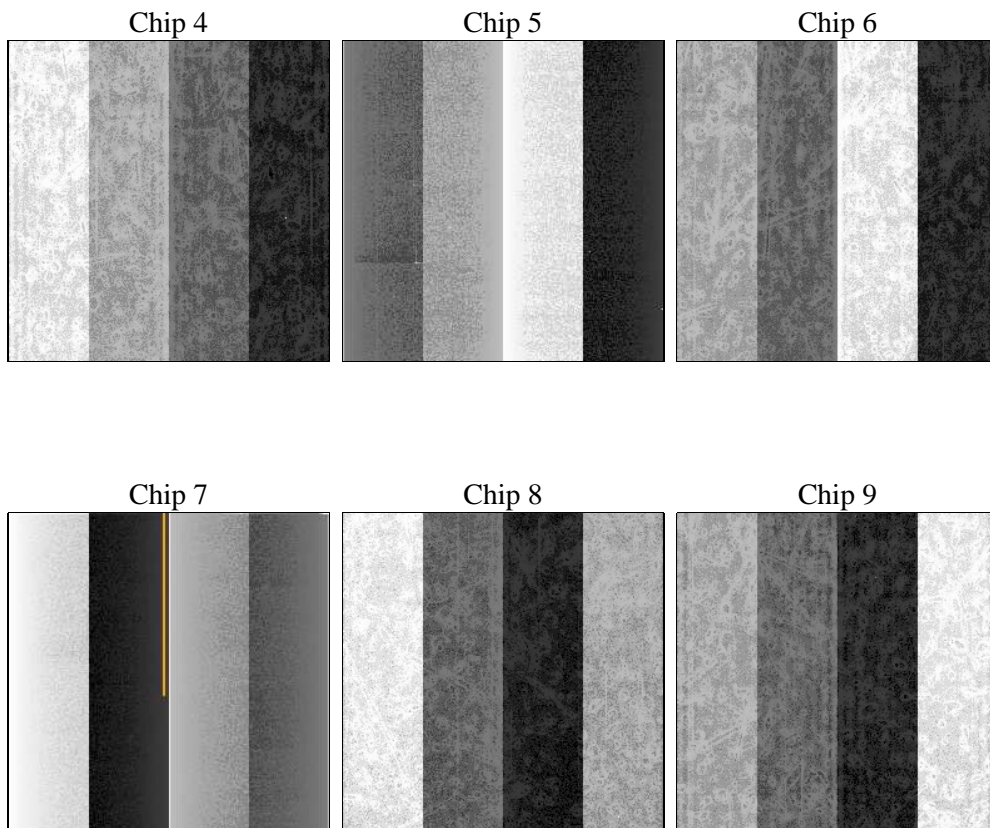
## 2 OBI

### 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	8038.0274077058	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime4	8037.9042876959	Sum of GTIs [s]
date	2012-08-30T15:39:19	Date and time of file creation	ontime5	8037.9863677025	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8037.9453276992	Sum of GTIs [s]
			ontime7	8038.0274077058	Sum of GTIs [s]
			ontime8	8034.6222474575	Sum of GTIs [s]
			ontime9	8038.0684477091	Sum of GTIs [s]
			l1events	969593	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	162022	147024	178705	135224	179364	167254	grade 0 events	21970	9640	20493	10221	22444	22194
rejected events	123761	78320	139735	71176	131746	127444		13%	6%	11%	7%	12%	13%
rejected %	76%	53%	78%	52%	73%	76%	grade 1 events	141	151	101	111	118	110
								0%	0%	0%	0%	0%	0%
							grade 2 events	7214	25751	7983	16114	9910	7337
								4%	17%	4%	11%	5%	4%
							grade 3 events	2611	3102	2617	5574	3825	2629
								1%	2%	1%	4%	2%	1%
							grade 4 events	2660	2692	2583	5523	3693	2647
								1%	1%	1%	4%	2%	1%
							grade 5 events	3312	6984	3207	7836	4269	3699
								2%	4%	1%	5%	2%	2%
							grade 6 events	5173	29743	6726	28790	9399	6401
								3%	20%	3%	21%	5%	3%
							grade 7 events	118941	68961	134995	61055	125706	122237
								73%	46%	75%	45%	70%	73%

## 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	325.2918139346117
[deg] Pointing Dec	0	-26.9775209937397
[deg] Pointing Roll	0.0	313.0648016803879
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	462651602.602134	462651602.602134
Observation start date	2012-08-29T18:20:03	2012-08-29T18:20:02
[s] Observation end time (MET)	462661149.380545	462661149.380545
Observation end date	2012-08-29T20:59:09	2012-08-29T20:59:09
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.08.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0380274077058

### **A.2 Comments**