

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 54525 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Jun 27 2012

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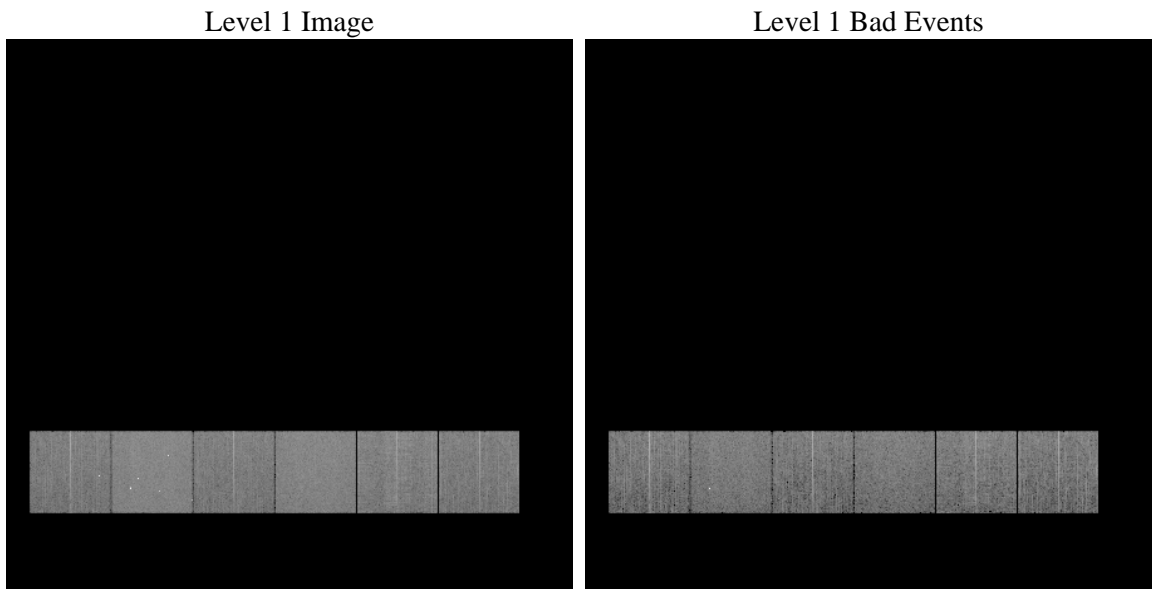
# 1 Front

seq_num	&#160	Sequence number
obs_id	54525	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	268.43180564849	Nominal RA [deg]
dec_nom	-43.661632001217	Nominal Dec [deg]
roll_nom	147.03752096684	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8249.5999693274	Sum of GTIs [s]
livetime	8145.1385672031	Livetime [s]
ontime4	8249.5999693274	Sum of GTIs [s]
ontime5	8249.5999693274	Sum of GTIs [s]
ontime6	8249.5999693274	Sum of GTIs [s]
ontime7	8249.5999693274	Sum of GTIs [s]
ontime8	8249.5999693274	Sum of GTIs [s]
ontime9	8249.5999693274	Sum of GTIs [s]
l2events	284083	Number of level 2 events

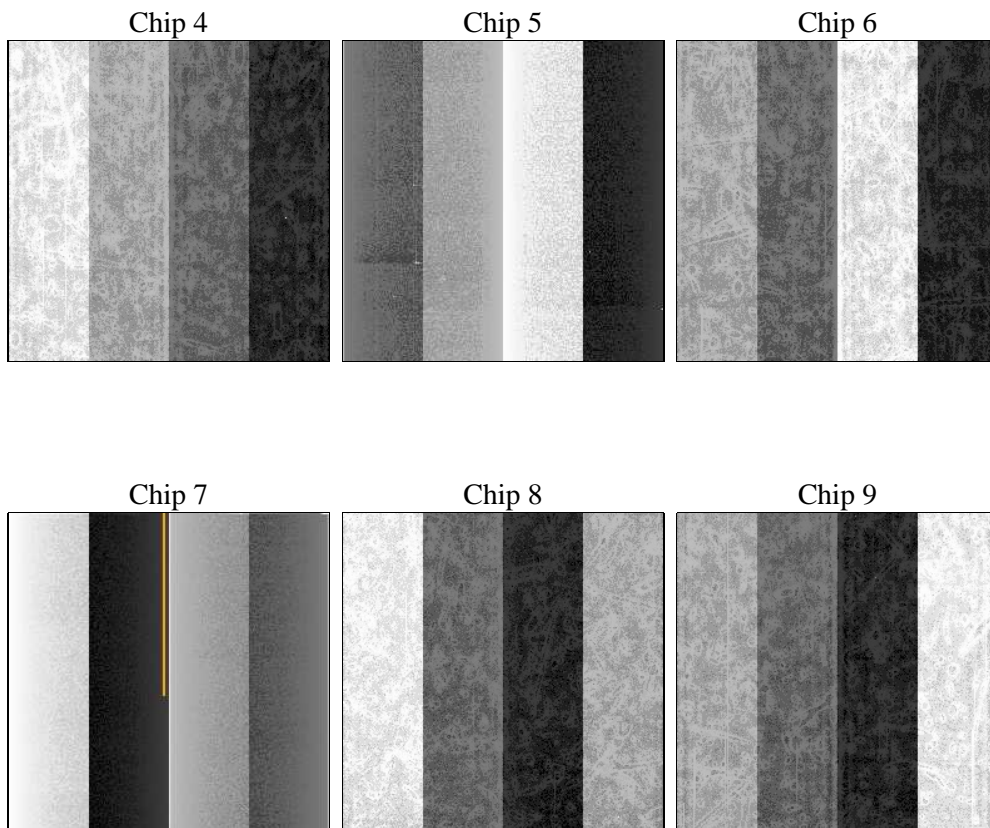
## 2 OBI

### 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	8249.5999693274	Sum of GTIs [s]
caldsver	4.5.0	&#160	ontime4	8249.5999693274	Sum of GTIs [s]
date	2012-06-27T21:25:45	Date and time of file creation	ontime5	8249.5999693274	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8249.5999693274	Sum of GTIs [s]
			ontime7	8249.5999693274	Sum of GTIs [s]
			ontime8	8249.5999693274	Sum of GTIs [s]
			ontime9	8249.5999693274	Sum of GTIs [s]
			l1events	657663	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	96524	134798	95381	122331	112040	96589	grade 0 events	22770	11082	21158	10616	24311	20825
rejected events	56335	59753	53907	55427	60535	56325		23%	8%	22%	8%	21%	21%
rejected %	58%	44%	56%	45%	54%	58%	grade 1 events	196	158	100	125	156	136
								0%	0%	0%	0%	0%	0%
							grade 2 events	6569	26145	7888	14504	9867	7383
								6%	19%	8%	11%	8%	7%
							grade 3 events	2828	2848	2734	5855	4006	2806
								2%	2%	2%	4%	3%	2%
							grade 4 events	2805	2784	2779	5908	3867	2673
								2%	2%	2%	4%	3%	2%
							grade 5 events	3509	7764	3617	8510	4683	3931
								3%	5%	3%	6%	4%	4%
							grade 6 events	5365	32426	7064	30266	9658	6717
								5%	24%	7%	24%	8%	6%
							grade 7 events	52482	51591	50041	46547	55492	52118
								54%	38%	52%	38%	49%	53%

## 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	268.4318056484885
[deg] Pointing Dec	0	-43.66163200121709
[deg] Pointing Roll	0.0	147.0375209668441
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)	457164685.059089	457164685.059089
Observation start date	2012-06-27T06:11:25	2012-06-27T06:11:25
[s] Observation end time (MET)	457174233.710929	457174233.710929
Observation end date	2012-06-27T08:50:34	2012-06-27T08:50:33
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	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2495999693274

### A.2 Comments