

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 54513 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Aug 29 2012

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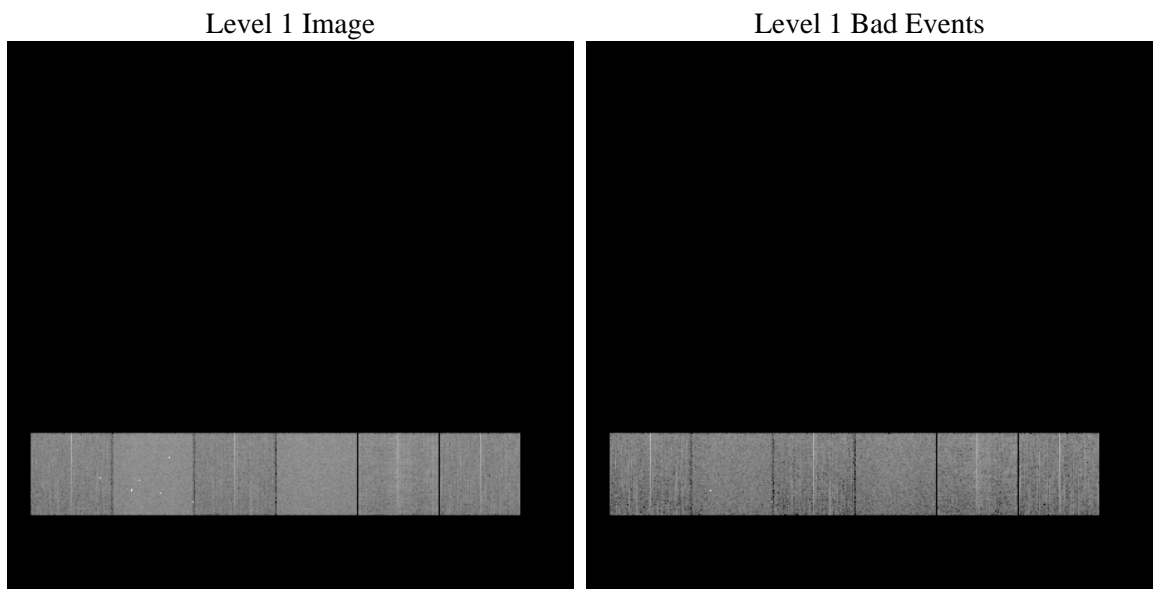
# 1 Front

seq_num	&#160	Sequence number
obs_id	54513	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	257.40018467554	Nominal RA [deg]
dec_nom	-11.228760822844	Nominal Dec [deg]
roll_nom	237.58605053446	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8102.0052037835	Sum of GTIs [s]
livetime	7999.4127354514	Livetime [s]
ontime4	8101.8820837736	Sum of GTIs [s]
ontime5	8101.9641637802	Sum of GTIs [s]
ontime6	8101.9231237769	Sum of GTIs [s]
ontime7	8102.0052037835	Sum of GTIs [s]
ontime8	8101.8410437703	Sum of GTIs [s]
ontime9	8102.0462437868	Sum of GTIs [s]
l2events	274385	Number of level 2 events

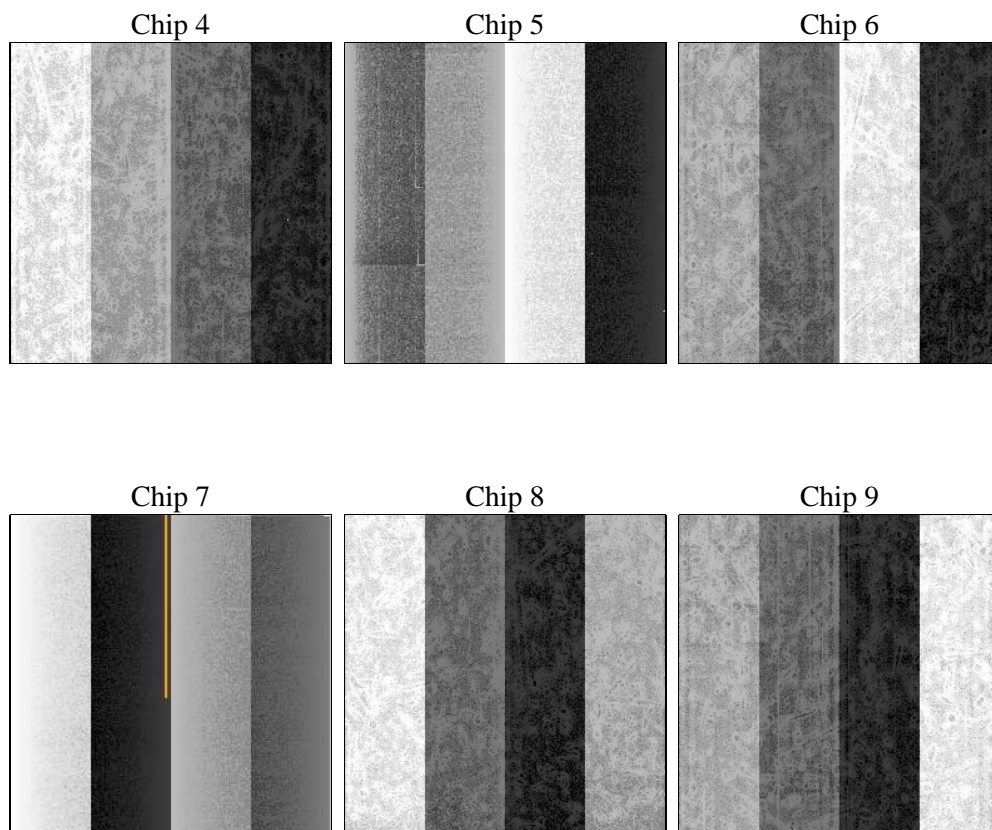
## 2 OBI

### 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	8102.0052037835	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime4	8101.8820837736	Sum of GTIs [s]
date	2012-08-29T15:49:06	Date and time of file creation	ontime5	8101.9641637802	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8101.9231237769	Sum of GTIs [s]
			ontime7	8102.0052037835	Sum of GTIs [s]
			ontime8	8101.8410437703	Sum of GTIs [s]
			ontime9	8102.0462437868	Sum of GTIs [s]
			l1events	639545	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	93096	130258	92227	120425	109711	93828	grade 0 events	22645	10567	20181	10397	23180	20087
rejected events	53789	58046	52407	55465	59978	54950		24%	8%	21%	8%	21%	21%
rejected %	57%	44%	56%	46%	54%	58%	grade 1 events	175	307	105	99	117	139
								0%	0%	0%	0%	0%	0%
							grade 2 events	6117	25006	7528	14095	9825	7017
								6%	19%	8%	11%	8%	7%
							grade 3 events	2772	2913	2681	5748	3784	2640
								2%	2%	2%	4%	3%	2%
							grade 4 events	2733	2657	2618	5507	3720	2745
								2%	2%	2%	4%	3%	2%
							grade 5 events	3321	7723	3457	8359	4410	3887
								3%	5%	3%	6%	4%	4%
							grade 6 events	5040	31069	6812	29213	9224	6389
								5%	23%	7%	24%	8%	6%
							grade 7 events	50293	50016	48845	47007	55451	50924
								54%	38%	52%	39%	50%	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	257.4001846755392	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-11.2287608228445	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	237.586050534465	[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)	457424139.222945	457424138.19795			
Observation start date	2012-06-30T06:15:39	2012-06-30T06:15:38			
[s] Observation end time (MET)	457434370.773492	457434369.74849			
Observation end date	2012-06-30T09:06:11	2012-06-30T09:06:09			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.08.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1020052037835

### A.2 Comments