

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 54401 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Aug 17 2012

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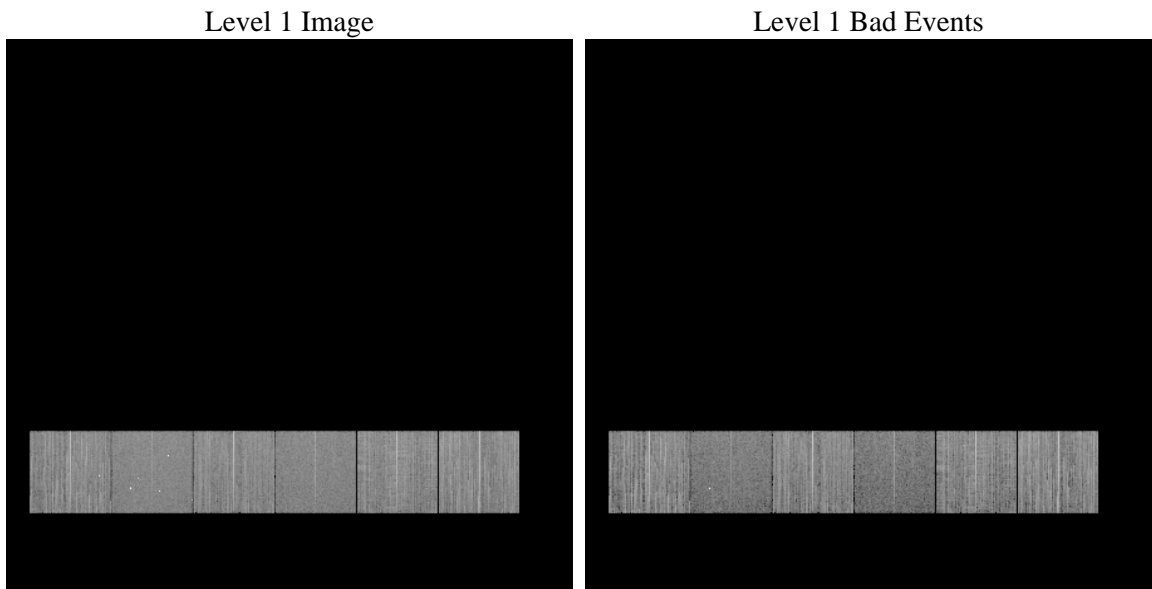
# 1 Front

seq_num	&#160	Sequence number
obs_id	54401	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	341.99699015927	Nominal RA [deg]
dec_nom	10.008901971131	Nominal Dec [deg]
roll_nom	146.55696569901	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7238.3999730945	Sum of GTIs [s]
livetime	7146.7429941939	Livetime [s]
ontime4	7238.3999730945	Sum of GTIs [s]
ontime5	7238.3999730945	Sum of GTIs [s]
ontime6	7238.3999730945	Sum of GTIs [s]
ontime7	7238.3999730945	Sum of GTIs [s]
ontime8	7238.3999730945	Sum of GTIs [s]
ontime9	7238.3999730945	Sum of GTIs [s]
l2events	235950	Number of level 2 events

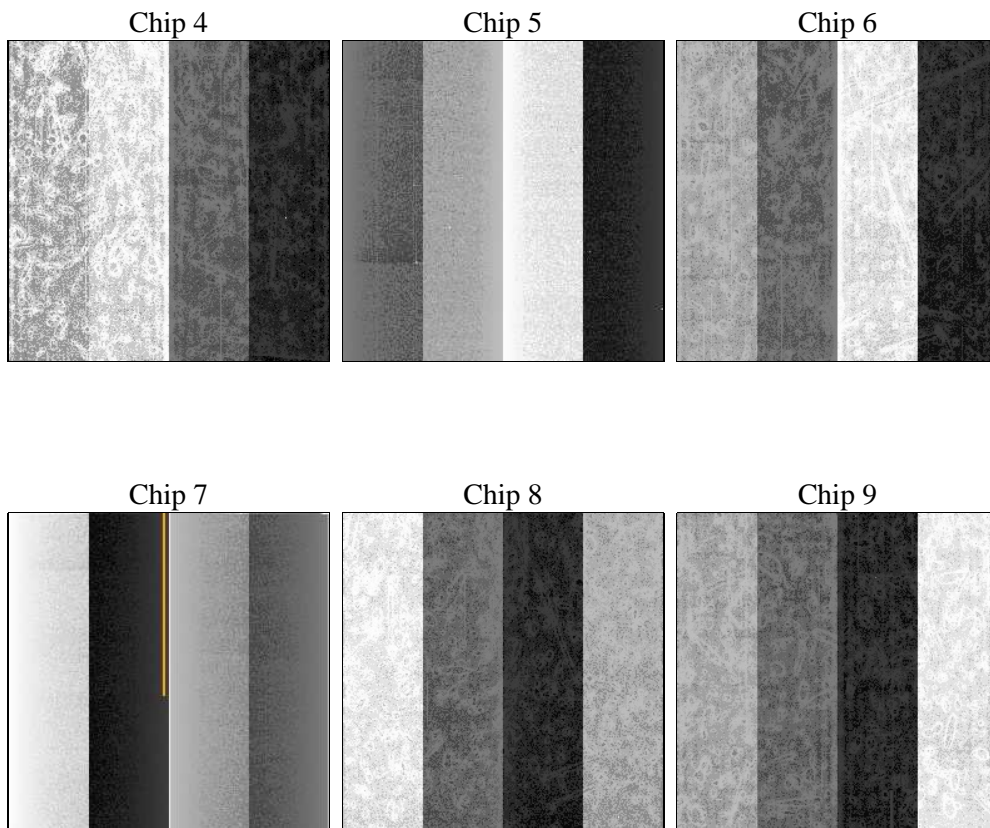
## 2 OBI

### 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	7238.3999730945	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime4	7238.3999730945	Sum of GTIs [s]
date	2012-08-17T06:52:16	Date and time of file creation	ontime5	7238.3999730945	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	7238.3999730945	Sum of GTIs [s]
			ontime7	7238.3999730945	Sum of GTIs [s]
			ontime8	7238.3999730945	Sum of GTIs [s]
			ontime9	7238.3999730945	Sum of GTIs [s]
			l1events	824018	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	144164	128747	142005	114346	143632	151124	grade 0 events	19224	10070	17436	8705	19582	17205
rejected events	109739	66185	107488	58108	101932	117597		13%	7%	12%	7%	13%	11%
rejected %	76%	51%	75%	50%	70%	77%	grade 1 events	135	125	80	74	104	104
								0%	0%	0%	0%	0%	0%
							grade 2 events	6237	22280	6942	13749	8317	6464
								4%	17%	4%	12%	5%	4%
							grade 3 events	2331	2330	2207	4609	3169	2273
								1%	1%	1%	4%	2%	1%
							grade 4 events	2243	2274	2189	4646	3090	2195
								1%	1%	1%	4%	2%	1%
							grade 5 events	2739	5954	2787	6672	3602	3083
								1%	4%	1%	5%	2%	2%
							grade 6 events	4390	25608	5743	24529	7542	5390
								3%	19%	4%	21%	5%	3%
							grade 7 events	106865	60106	104621	51362	98226	114410
								74%	46%	73%	44%	68%	75%

## 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	341.996990159265	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	10.0089019711309	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	146.5569656990079	[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	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	461539059.342633	461539058.31763			
Observation start date	2012-08-16T21:17:39	2012-08-16T21:17:38			
[s] Observation end time (MET)	461548374.543132	461548373.51813			
Observation end date	2012-08-16T23:52:55	2012-08-16T23:52:53			
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)	2012.08.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.2383999730945

### A.2 Comments