

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56456 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 21 2012

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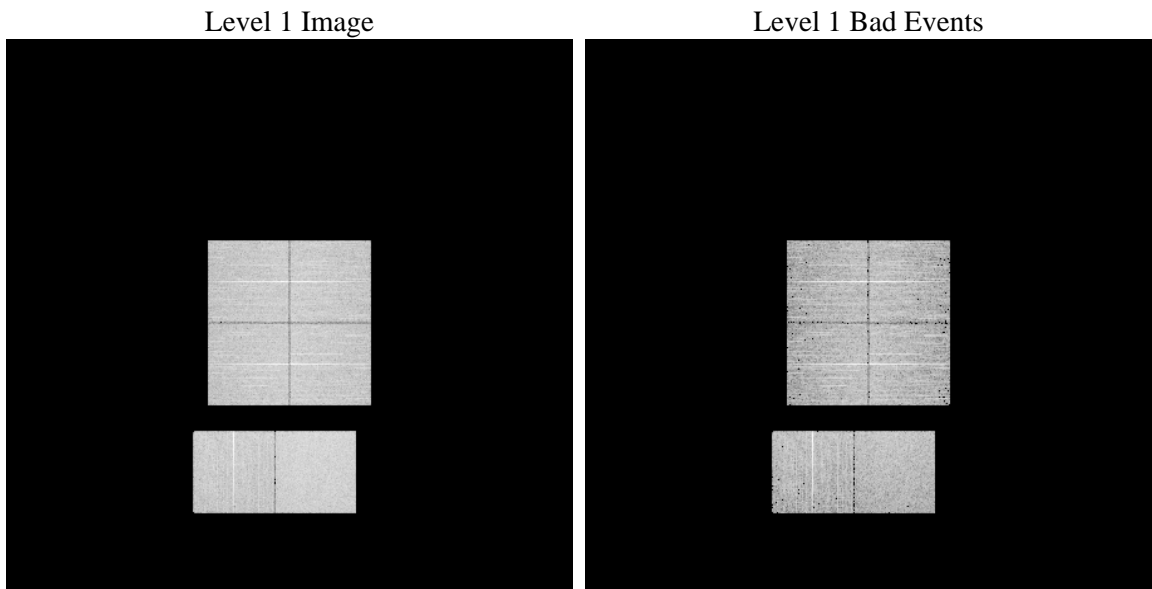
# 1 Front

seq_num	&#160	Sequence number
obs_id	56456	Observation id
title	ACIS-012367 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	139.97877251971	Nominal RA [deg]
dec_nom	38.476166662764	Nominal Dec [deg]
roll_nom	190.88239705008	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5144.2336770296	Sum of GTIs [s]
livetime	5079.0942927254	Livetime [s]
ontime0	5147.4336473346	Sum of GTIs [s]
ontime1	5147.3926073313	Sum of GTIs [s]
ontime2	5147.351567328	Sum of GTIs [s]
ontime3	5147.5157273412	Sum of GTIs [s]
ontime6	5144.0695269108	Sum of GTIs [s]
ontime7	5144.2336770296	Sum of GTIs [s]
l2events	258539	Number of level 2 events

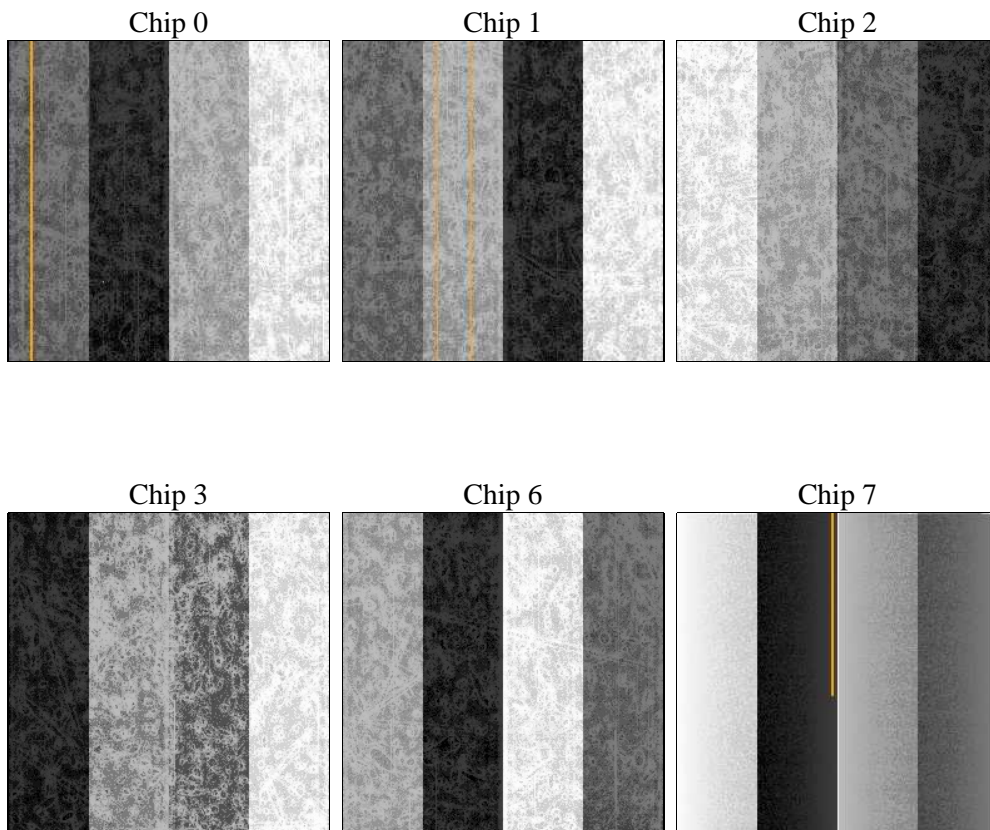
## 2 OBI

### 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	5144.2336770296	Sum of GTIs [s]
caldbver	4.4.10	&#160	ontime0	5147.4336473346	Sum of GTIs [s]
date	2012-06-21T06:36:03	Date and time of file creation	ontime1	5147.3926073313	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5147.351567328	Sum of GTIs [s]
			ontime3	5147.5157273412	Sum of GTIs [s]
			ontime6	5144.0695269108	Sum of GTIs [s]
			ontime7	5144.2336770296	Sum of GTIs [s]
			l1events	542027	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	83241	86731	85824	88144	89217	108870	grade 0 events	21907	21468	22476	22718	22062	11244
rejected events	41777	44914	44551	46569	46462	44385		26%	24%	26%	25%	24%	10%
rejected %	50%	51%	51%	52%	52%	40%	grade 1 events	145	138	178	159	126	104
								0%	0%	0%	0%	0%	0%
							grade 2 events	7475	8076	7091	7082	7868	13941
								8%	9%	8%	8%	8%	12%
							grade 3 events	2817	2787	2802	2845	2709	5671
								3%	3%	3%	3%	3%	5%
							grade 4 events	2820	2772	2798	2783	2852	5688
								3%	3%	3%	3%	3%	5%
							grade 5 events	2546	2490	2452	2685	2575	6856
								3%	2%	2%	3%	2%	6%
							grade 6 events	6471	6740	6129	6176	7295	27967
								7%	7%	7%	7%	8%	25%
							grade 7 events	39060	42260	41898	43696	43730	37399
								46%	48%	48%	49%	49%	34%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	139.9787725197096	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	38.47616666276403	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	190.8823970500825	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	382257326.079705	382257325.05471			
Observation start date	2010-02-11T06:35:26	2010-02-11T06:35:25			
[s] Observation end time (MET)	382266329.680161	382266328.65517			
Observation end date	2010-02-11T09:05:30	2010-02-11T09:05:28			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.06.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1442336770296

### A.2 Comments