

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57178 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 4 2012

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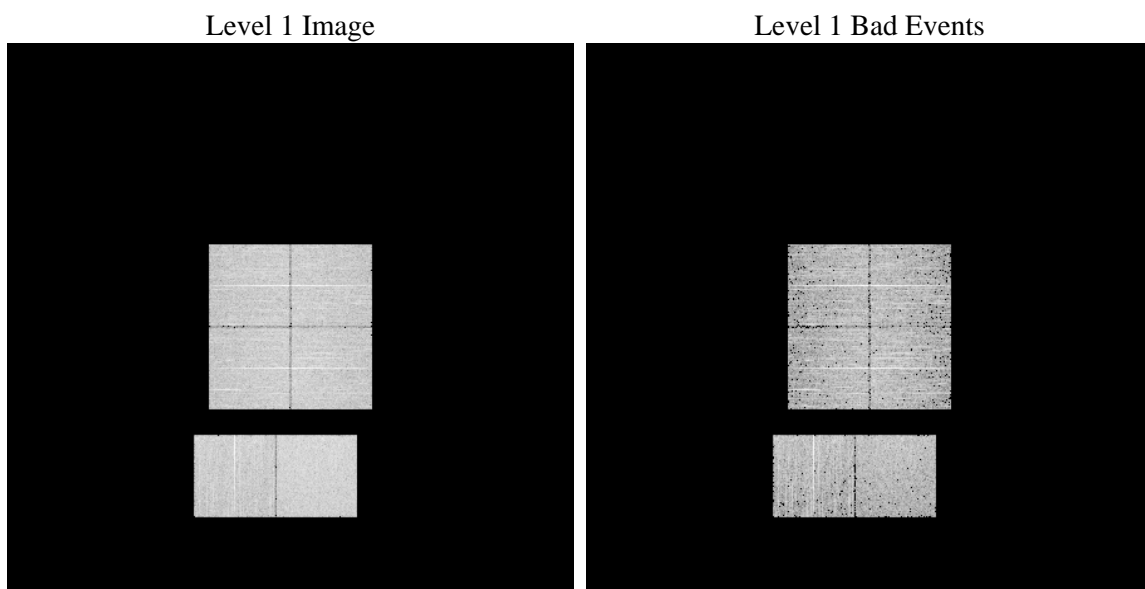
# 1 Front

seq_num	&#160	Sequence number
obs_id	57178	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	209.97151417969	Nominal RA [deg]
dec_nom	2.9968485906965	Nominal Dec [deg]
roll_nom	153.53024840323	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3270.3999878764	Sum of GTIs [s]
livetime	3228.9882140315	Livetime [s]
ontime0	3270.3999878764	Sum of GTIs [s]
ontime1	3270.3999878764	Sum of GTIs [s]
ontime2	3270.3999878764	Sum of GTIs [s]
ontime3	3270.3999878764	Sum of GTIs [s]
ontime6	3267.1470401883	Sum of GTIs [s]
ontime7	3270.3999878764	Sum of GTIs [s]
l2events	196639	Number of level 2 events

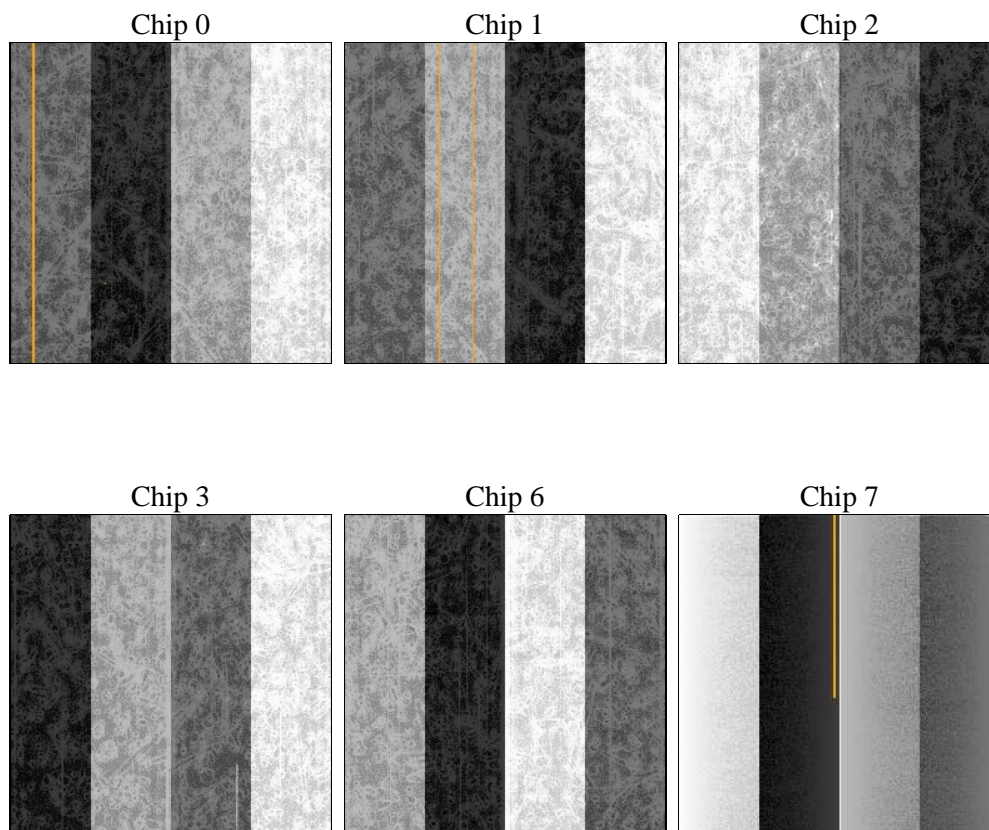
## 2 OBI

### 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	8.4.4	Processing system revision	ontime	3270.3999878764	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	3270.3999878764	Sum of GTIs [s]
date	2012-06-04T15:23:29	Date and time of file creation	ontime1	3270.3999878764	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	3270.3999878764	Sum of GTIs [s]
			ontime3	3270.3999878764	Sum of GTIs [s]
			ontime6	3267.1470401883	Sum of GTIs [s]
			ontime7	3270.3999878764	Sum of GTIs [s]
			l1events	384886	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	60434	60287	61920	63532	63351	75362	grade 0 events	17205	16674	17484	17454	17400	8743
rejected events	28700	28479	29731	31644	30364	28042		28%	27%	28%	27%	27%	11%
rejected %	47%	47%	48%	49%	47%	37%	grade 1 events	139	132	160	142	127	69
								0%	0%	0%	0%	0%	0%
							grade 2 events	5694	5888	5515	5602	5830	10286
								9%	9%	8%	8%	9%	13%
							grade 3 events	2105	2156	2286	2182	2214	4425
								3%	3%	3%	3%	3%	5%
							grade 4 events	2095	2151	2196	2082	2162	4281
								3%	3%	3%	3%	3%	5%
							grade 5 events	1714	1707	1635	1855	1772	4580
								2%	2%	2%	2%	2%	6%
							grade 6 events	4666	4969	4744	4608	5414	19644
								7%	8%	7%	7%	8%	26%
							grade 7 events	26816	26610	27900	29607	28432	23334
								44%	44%	45%	46%	44%	30%

## 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	209.9715141796897	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	2.996848590696474	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	153.5302484032292	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.7809083437167272			
[mm] SIM defocus	0.1037507710433287	0.7524282956875696			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	356173700.820105	356173699.79511			
Observation start date	2009-04-15T09:08:21	2009-04-15T09:08:19			
[s] Observation end time (MET)	356180635.97045	356180634.94545			
Observation end date	2009-04-15T11:03:56	2009-04-15T11:03:54			
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)	2012.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2703999878764

### A.2 Comments