

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57745 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 17 2012

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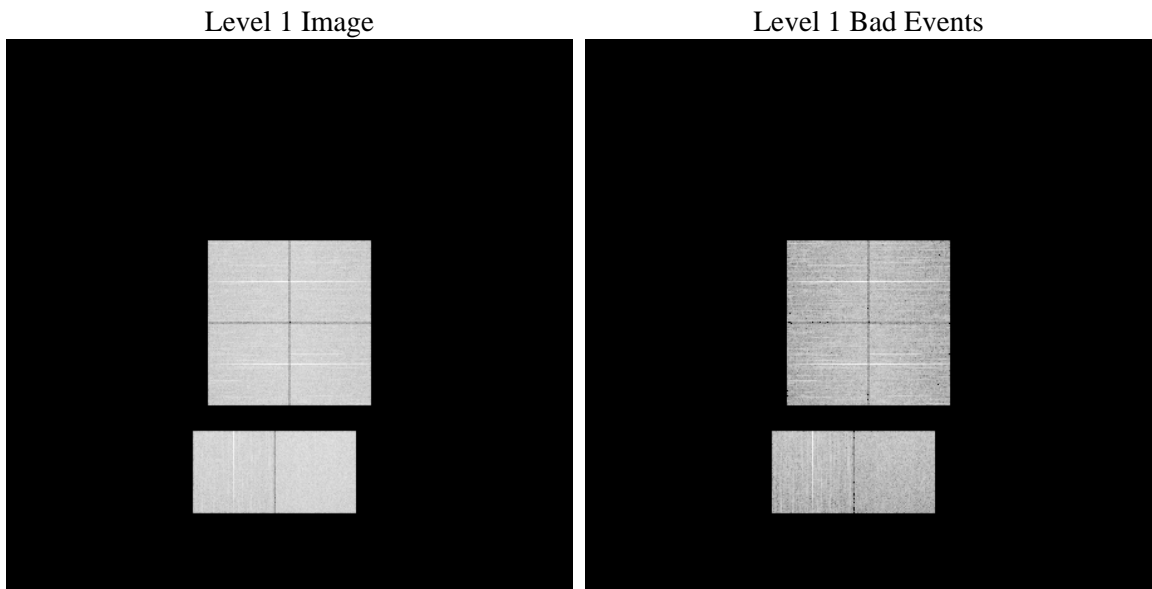
# 1 Front

seq_num	&#160	Sequence number
obs_id	57745	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	268.03917794665	Nominal RA [deg]
dec_nom	-47.988346620762	Nominal Dec [deg]
roll_nom	351.10213396837	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7797.4946692586	Sum of GTIs [s]
livetime	7698.7580966688	Livetime [s]
ontime0	7797.4536292553	Sum of GTIs [s]
ontime1	7794.1715690494	Sum of GTIs [s]
ontime2	7797.3715492487	Sum of GTIs [s]
ontime3	7797.5357092619	Sum of GTIs [s]
ontime6	7797.3305092454	Sum of GTIs [s]
ontime7	7797.4946692586	Sum of GTIs [s]
l2events	548350	Number of level 2 events

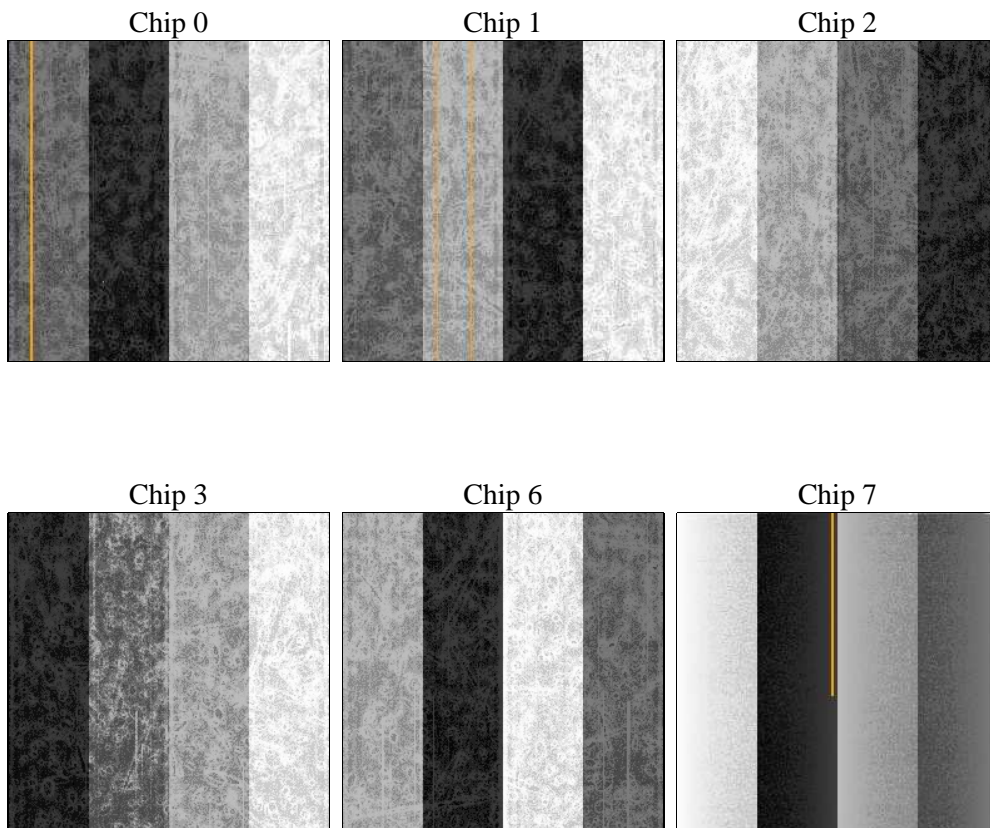
## 2 OBI

### 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	7797.4946692586	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	7797.4536292553	Sum of GTIs [s]
date	2012-05-17T03:57:46	Date and time of file creation	ontime1	7794.1715690494	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	7797.3715492487	Sum of GTIs [s]
			ontime3	7797.5357092619	Sum of GTIs [s]
			ontime6	7797.3305092454	Sum of GTIs [s]
			ontime7	7797.4946692586	Sum of GTIs [s]
			l1events	971932	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	153236	152488	157702	159885	163240	185381	grade 0 events	48201	47982	49788	49492	50026	25127
rejected events	63573	62181	67279	69346	68995	61888		31%	31%	31%	30%	30%	13%
rejected %	41%	40%	42%	43%	42%	33%	grade 1 events	341	284	376	321	314	146
								0%	0%	0%	0%	0%	0%
							grade 2 events	16215	16490	15570	15883	16698	26737
								10%	10%	9%	9%	10%	14%
							grade 3 events	6025	6124	6159	6083	6273	11693
								3%	4%	3%	3%	3%	6%
							grade 4 events	5839	5919	6130	6140	5952	11532
								3%	3%	3%	3%	3%	6%
							grade 5 events	3661	3872	3428	4097	3980	10189
								2%	2%	2%	2%	2%	5%
							grade 6 events	13383	13792	12776	12941	15296	48404
								8%	9%	8%	8%	9%	26%
							grade 7 events	59571	58025	63475	64928	64701	51553
								38%	38%	40%	40%	39%	27%

## 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	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	268.0391779466524	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-47.98834662076173	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	351.1021339683747			
[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)	330579739.347429	330579738.32243			
Observation start date	2008-06-23T03:42:19	2008-06-23T03:42:18			
[s] Observation end time (MET)	330591366.947998	330591365.923			
Observation end date	2008-06-23T06:56:07	2008-06-23T06:56:05			
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)	2012.05.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7974946692586

### A.2 Comments