

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57741 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 17 2012

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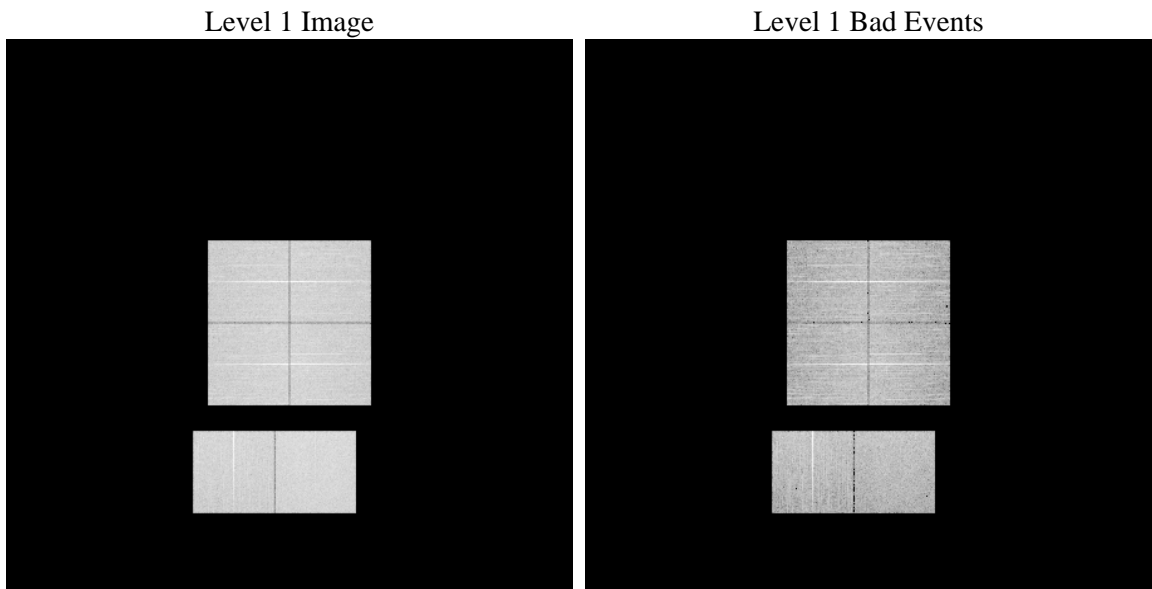
# 1 Front

seq_num	&#160	Sequence number
obs_id	57741	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	281.37288051987	Nominal RA [deg]
dec_nom	-0.20760924649301	Nominal Dec [deg]
roll_nom	160.3857271399	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8239.9999693632	Sum of GTIs [s]
livetime	8135.6601282188	Livetime [s]
ontime0	8239.9999693632	Sum of GTIs [s]
ontime1	8239.9999693632	Sum of GTIs [s]
ontime2	8239.9999693632	Sum of GTIs [s]
ontime3	8239.9999693632	Sum of GTIs [s]
ontime6	8239.9999693632	Sum of GTIs [s]
ontime7	8239.9999693632	Sum of GTIs [s]
l2events	582700	Number of level 2 events

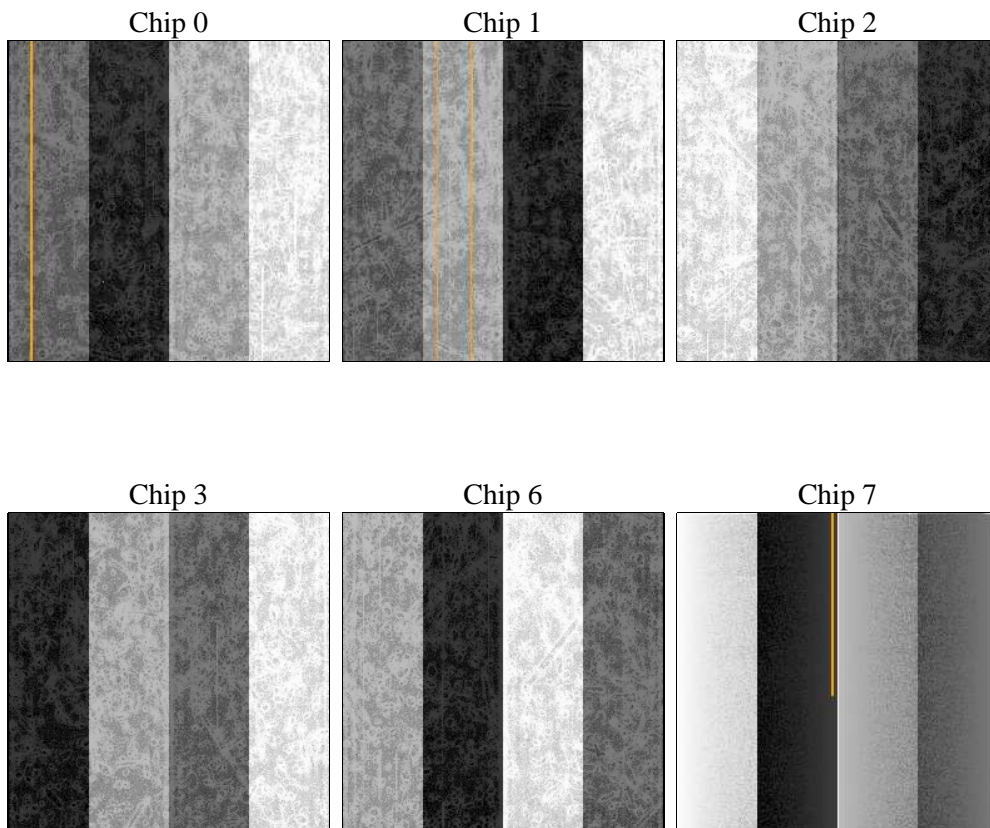
## 2 OBI

### 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	8239.9999693632	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	8239.9999693632	Sum of GTIs [s]
date	2012-05-17T04:17:01	Date and time of file creation	ontime1	8239.9999693632	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8239.9999693632	Sum of GTIs [s]
			ontime3	8239.9999693632	Sum of GTIs [s]
			ontime6	8239.9999693632	Sum of GTIs [s]
			ontime7	8239.9999693632	Sum of GTIs [s]
			l1events	1032364	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	161460	162457	168899	168993	173760	196795	grade 0 events	51475	50797	52960	53211	53240	26097
rejected events	65664	66902	72943	72234	73490	65965		31%	31%	31%	31%	30%	13%
rejected %	40%	41%	43%	42%	42%	33%	grade 1 events	334	329	427	414	357	185
								0%	0%	0%	0%	0%	0%
							grade 2 events	17371	17760	16433	16862	17695	28530
								10%	10%	9%	9%	10%	14%
							grade 3 events	6450	6381	6611	6535	6654	12352
								3%	3%	3%	3%	3%	6%
							grade 4 events	6387	6301	6358	6474	6574	12209
								3%	3%	3%	3%	3%	6%
							grade 5 events	3916	4013	3789	4264	4254	10891
								2%	2%	2%	2%	2%	5%
							grade 6 events	14479	14745	13969	14019	16506	52161
								8%	9%	8%	8%	9%	26%
							grade 7 events	61048	62131	68352	67214	68480	54370
								37%	38%	40%	39%	39%	27%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	281.3728805198687
[deg] Pointing Dec	0	-0.2076092464930119
[deg] Pointing Roll	0.0	160.385727139897
[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)	330614480.699128	330614479.67413
Observation start date	2008-06-23T13:21:21	2008-06-23T13:21:19
[s] Observation end time (MET)	330637114.750234	330637113.72524
Observation end date	2008-06-23T19:38:35	2008-06-23T19:38:33
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

## **2.3 Star Slots**

## **2.4 FID Slots**

## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2399999693632

### A.2 Comments