

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58415 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 23 2012

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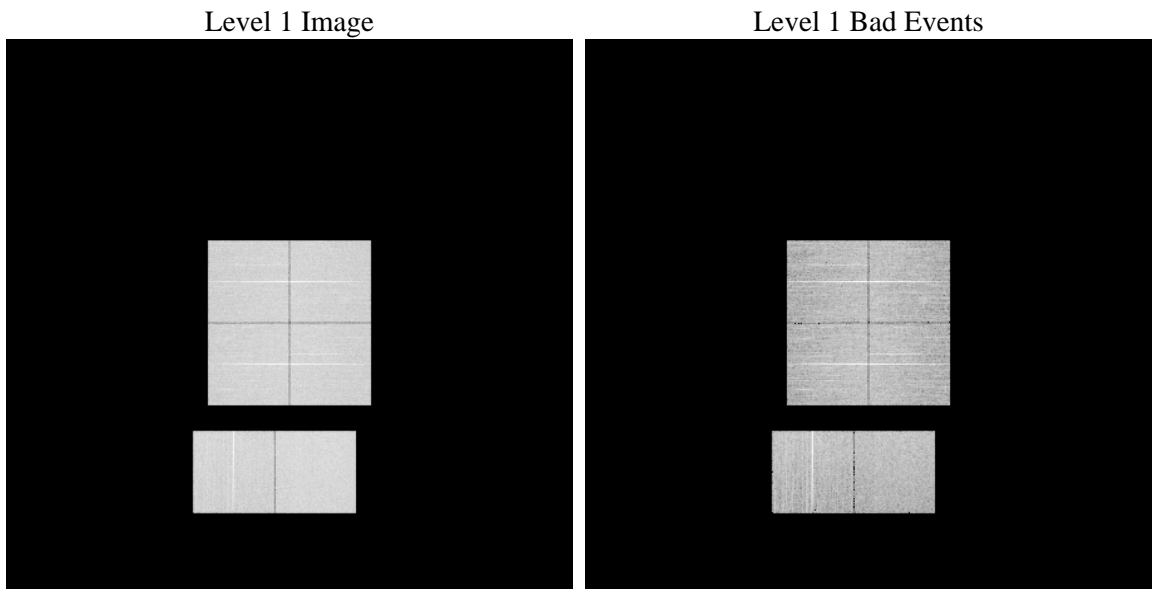
# 1 Front

seq_num	&#160	Sequence number
obs_id	58415	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	220.47340522694	Nominal RA [deg]
dec_nom	13.287533719945	Nominal Dec [deg]
roll_nom	172.81756086389	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8236.7999693751	Sum of GTIs [s]
livetime	8132.5006485574	Livetime [s]
ontime0	8236.7999693751	Sum of GTIs [s]
ontime1	8236.7999693751	Sum of GTIs [s]
ontime2	8236.7999693751	Sum of GTIs [s]
ontime3	8236.7999693751	Sum of GTIs [s]
ontime6	8236.7999693751	Sum of GTIs [s]
ontime7	8236.7999693751	Sum of GTIs [s]
l2events	743931	Number of level 2 events

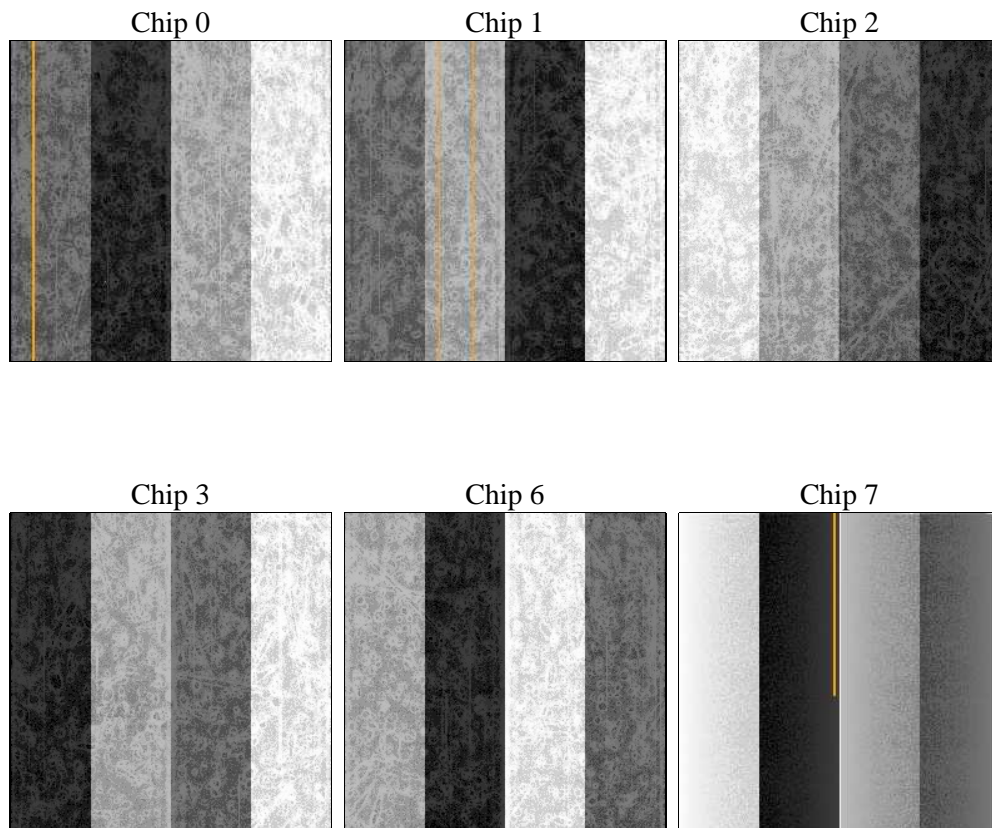
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8236.7999693751	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	8236.7999693751	Sum of GTIs [s]
date	2012-04-24T01:03:48	Date and time of file creation	ontime1	8236.7999693751	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8236.7999693751	Sum of GTIs [s]
			ontime3	8236.7999693751	Sum of GTIs [s]
			ontime6	8236.7999693751	Sum of GTIs [s]
			ontime7	8236.7999693751	Sum of GTIs [s]
			l1events	1206304	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	192652	192419	198746	197146	202980	222361	grade 0 events	67514	67037	69386	69712	68843	33389
rejected events	68798	68424	74252	72013	74087	64857		35%	34%	34%	35%	33%	15%
rejected %	35%	35%	37%	36%	36%	29%	grade 1 events	455	391	520	525	417	168
								0%	0%	0%	0%	0%	0%
							grade 2 events	22029	22591	21020	21470	22779	34588
								11%	11%	10%	10%	11%	15%
							grade 3 events	8346	7923	8496	8390	8306	14972
								4%	4%	4%	4%	4%	6%
							grade 4 events	8121	8075	8410	8433	8176	14884
								4%	4%	4%	4%	4%	6%
							grade 5 events	3862	4003	3798	4326	4074	10641
								2%	2%	1%	2%	2%	4%
							grade 6 events	18362	18881	17715	17688	21358	60334
								9%	9%	8%	8%	10%	27%
							grade 7 events	63963	63518	69401	66602	69027	53385
								33%	33%	34%	33%	34%	24%

## 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	220.4734052269362
[deg] Pointing Dec	0	13.28753371994476
[deg] Pointing Roll	0.0	172.8175608638942
[mm] SIM focus pos	-0.782348	-0.7809083437167272
[mm] SIM defocus	0	0.7524282956875696
[mm] SIM translation stage pos	-233.592463	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	294294005.74458	294294004.71957
Observation start date	2007-04-30T04:20:06	2007-04-30T04:20:04
[s] Observation end time (MET)	294316121.145636	294316120.12063
Observation end date	2007-04-30T10:28:41	2007-04-30T10:28:40
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)	2012.04.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2367999693751

### A.2 Comments