

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 58793 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 9 2012

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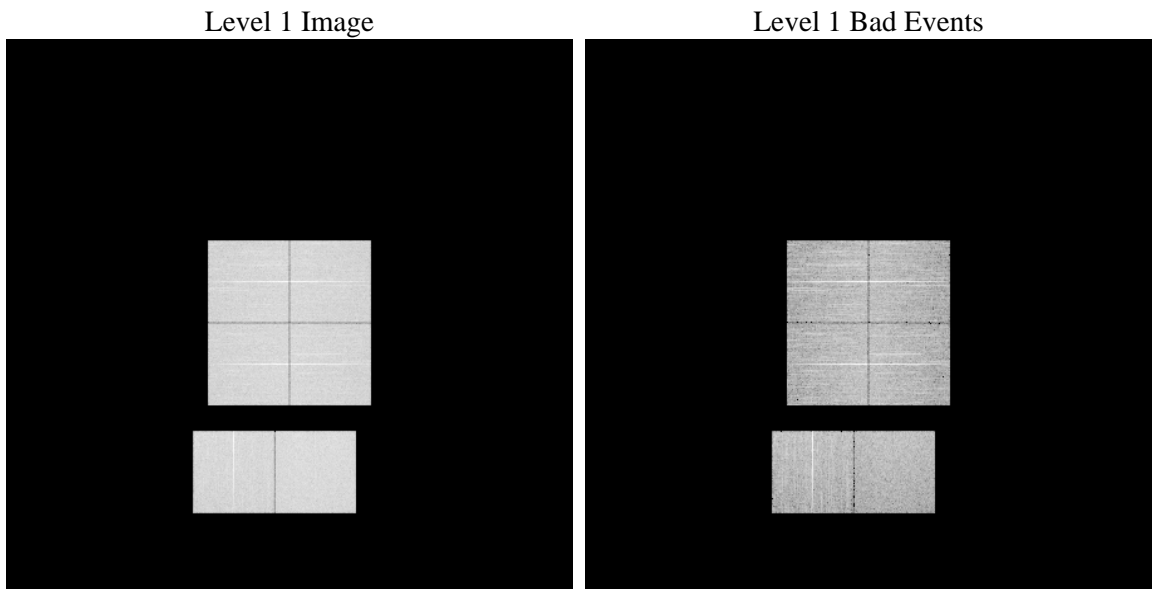
# 1 Front

seq_num	&#160	Sequence number
obs_id	58793	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	327.9952484352	Nominal RA [deg]
dec_nom	15.971744360965	Nominal Dec [deg]
roll_nom	227.92454396844	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7797.2300334573	Sum of GTIs [s]
livetime	7698.4968118454	Livetime [s]
ontime0	7797.188993454	Sum of GTIs [s]
ontime1	7797.1479534507	Sum of GTIs [s]
ontime2	7797.1069134474	Sum of GTIs [s]
ontime3	7797.2710734606	Sum of GTIs [s]
ontime6	7797.0658734441	Sum of GTIs [s]
ontime7	7797.2300334573	Sum of GTIs [s]
l2events	817378	Number of level 2 events

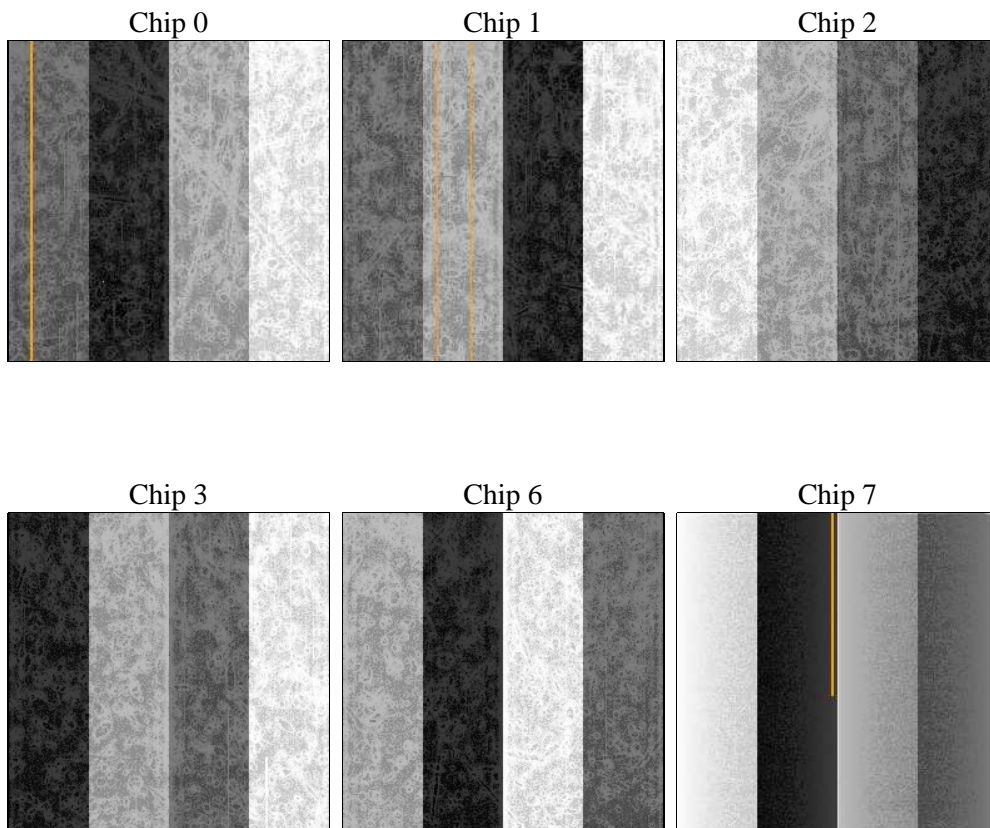
## 2 OBI

### 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	8.4.3.1	Processing system revision	ontime	7797.2300334573	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	7797.188993454	Sum of GTIs [s]
date	2012-04-09T15:50:36	Date and time of file creation	ontime1	7797.1479534507	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	7797.1069134474	Sum of GTIs [s]
			ontime3	7797.2710734606	Sum of GTIs [s]
			ontime6	7797.0658734441	Sum of GTIs [s]
			ontime7	7797.2300334573	Sum of GTIs [s]
			l1events	1247405	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	202919	200187	205395	204492	209478	224934	grade 0 events	74187	74025	76486	76468	76949	37263
rejected events	66319	62822	67330	66664	65802	57101		36%	36%	37%	37%	36%	16%
rejected %	32%	31%	32%	32%	31%	25%	grade 1 events	489	427	541	558	472	163
								0%	0%	0%	0%	0%	0%
							grade 2 events	24189	24956	23516	23727	25034	36497
								11%	12%	11%	11%	11%	16%
							grade 3 events	9069	8849	9221	9017	9091	16625
								4%	4%	4%	4%	4%	7%
							grade 4 events	8979	9017	9167	9132	9325	15955
								4%	4%	4%	4%	4%	7%
							grade 5 events	3539	3711	3395	3968	3887	9738
								1%	1%	1%	1%	1%	4%
							grade 6 events	20176	20518	19675	19484	23277	61493
								9%	10%	9%	9%	11%	27%
							grade 7 events	62291	58684	63394	62138	61443	47200
								30%	29%	30%	30%	29%	20%

## 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	327.9952484351967
[deg] Pointing Dec	0	15.97174436096503
[deg] Pointing Roll	0.0	227.9245439684357
[mm] SIM focus pos	-0.782348	-1.526339935833849
[mm] SIM defocus	0	0.006996703570447904
[mm] SIM translation stage pos	-233.592463	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	274372336.450824	274372335.42584
Observation start date	2006-09-11T14:32:16	2006-09-11T14:32:15
[s] Observation end time (MET)	274391633.101731	274391632.07675
Observation end date	2006-09-11T19:53:53	2006-09-11T19:53:52
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)	2012.04.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7972300334573

### A.2 Comments