

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57810 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 15 2012

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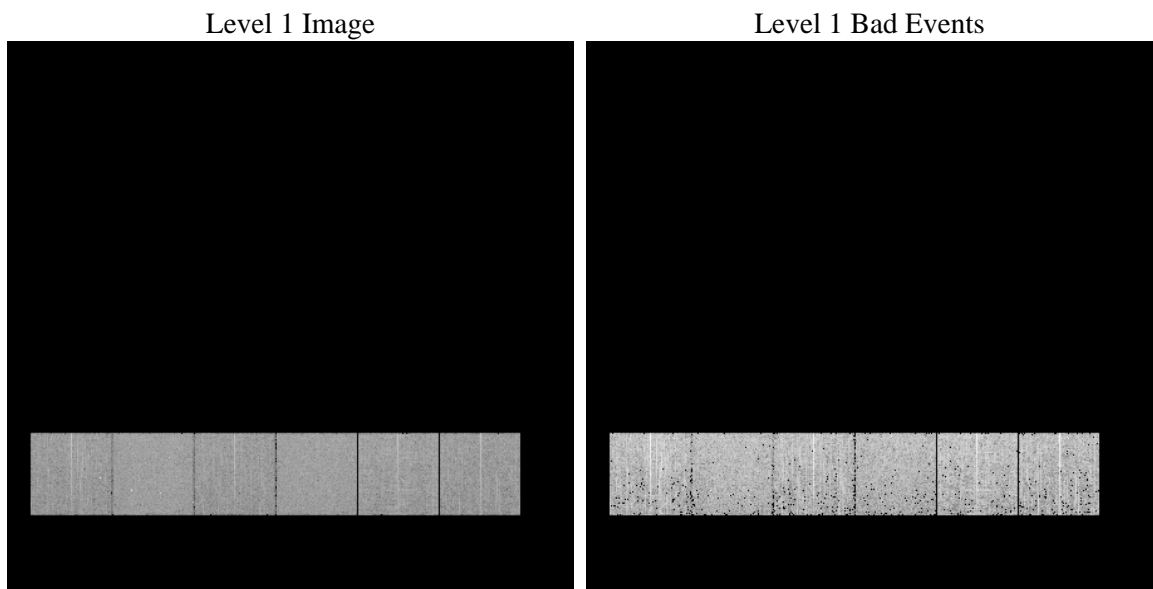
# 1 Front

seq_num	&#160	Sequence number
obs_id	57810	Observation id
title	ACIS-456789 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	236.97574755645	Nominal RA [deg]
dec_nom	4.4845146189102	Nominal Dec [deg]
roll_nom	179.74665079613	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2790.3999896646	Sum of GTIs [s]
livetime	2755.0662648183	Livetime [s]
ontime4	2790.3999896646	Sum of GTIs [s]
ontime5	2790.3999896646	Sum of GTIs [s]
ontime6	2790.3999896646	Sum of GTIs [s]
ontime7	2790.3999896646	Sum of GTIs [s]
ontime8	2790.3999896646	Sum of GTIs [s]
ontime9	2790.3999896646	Sum of GTIs [s]
l2events	211026	Number of level 2 events

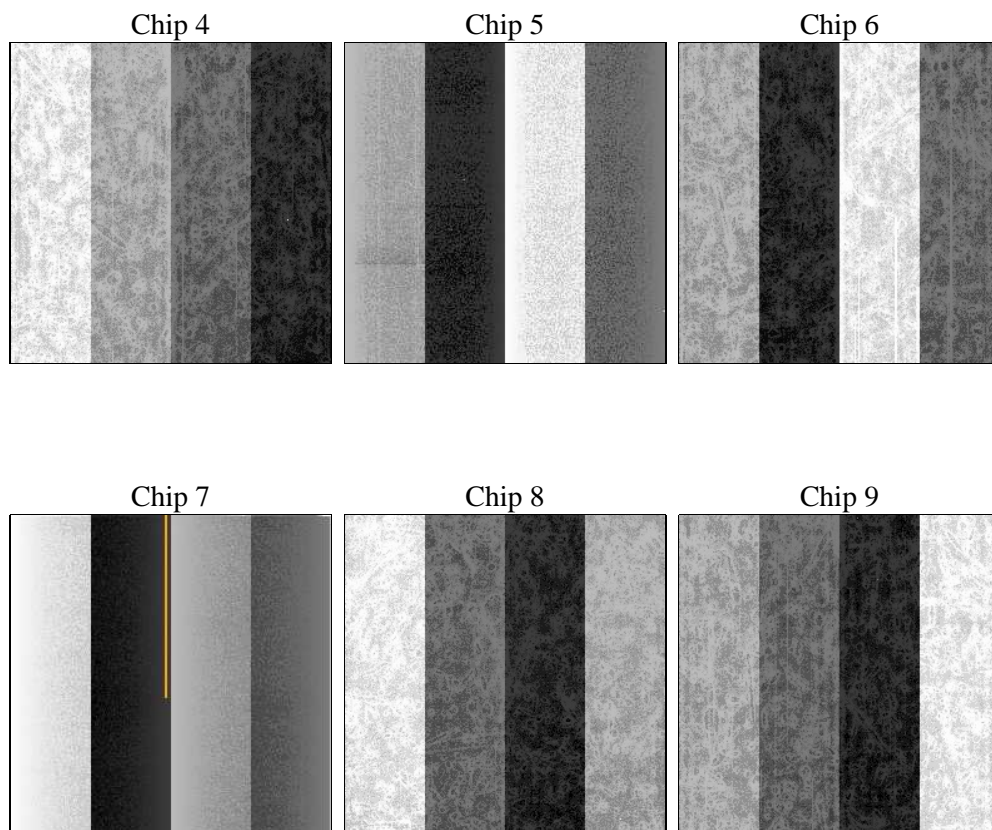
## 2 OBI

### 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	2790.3999896646	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	2790.3999896646	Sum of GTIs [s]
date	2012-05-15T05:58:27	Date and time of file creation	ontime5	2790.3999896646	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	2790.3999896646	Sum of GTIs [s]
			ontime7	2790.3999896646	Sum of GTIs [s]
			ontime8	2790.3999896646	Sum of GTIs [s]
			ontime9	2790.3999896646	Sum of GTIs [s]
			l1events	382689	Number of level 1 events

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	61243	68260	59549	67654	67262	58721	grade 0 events	18825	7845	17955	9172	19788	17734
rejected events	28466	23700	25573	22298	28288	25562		30%	11%	30%	13%	29%	30%
rejected %	46%	34%	42%	32%	42%	43%	grade 1 events	166	123	119	61	144	138
								0%	0%	0%	0%	0%	0%
							grade 2 events	5269	15329	6116	9785	7263	5768
								8%	22%	10%	14%	10%	9%
							grade 3 events	2305	2326	2204	4381	2729	2200
								3%	3%	3%	6%	4%	3%
							grade 4 events	2191	2384	2206	4321	2654	2254
								3%	3%	3%	6%	3%	3%
							grade 5 events	1374	3444	1468	3695	1896	1647
								2%	5%	2%	5%	2%	2%
							grade 6 events	4224	16735	5543	17741	6593	5243
								6%	24%	9%	26%	9%	8%
							grade 7 events	26889	20074	23938	18498	26195	23737
								43%	29%	40%	27%	38%	40%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	236.9757475564491
[deg] Pointing Dec	0	4.484514618910244
[deg] Pointing Roll	0.0	179.7466507961313
[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)	327613288.752521	327613287.72753
Observation start date	2008-05-19T19:41:29	2008-05-19T19:41:27
[s] Observation end time (MET)	327636402.503648	327636401.47865
Observation end date	2008-05-20T02:06:43	2008-05-20T02:06:41
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)	2012.05.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.7903999896646

### A.2 Comments