

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 60199 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 3 2012

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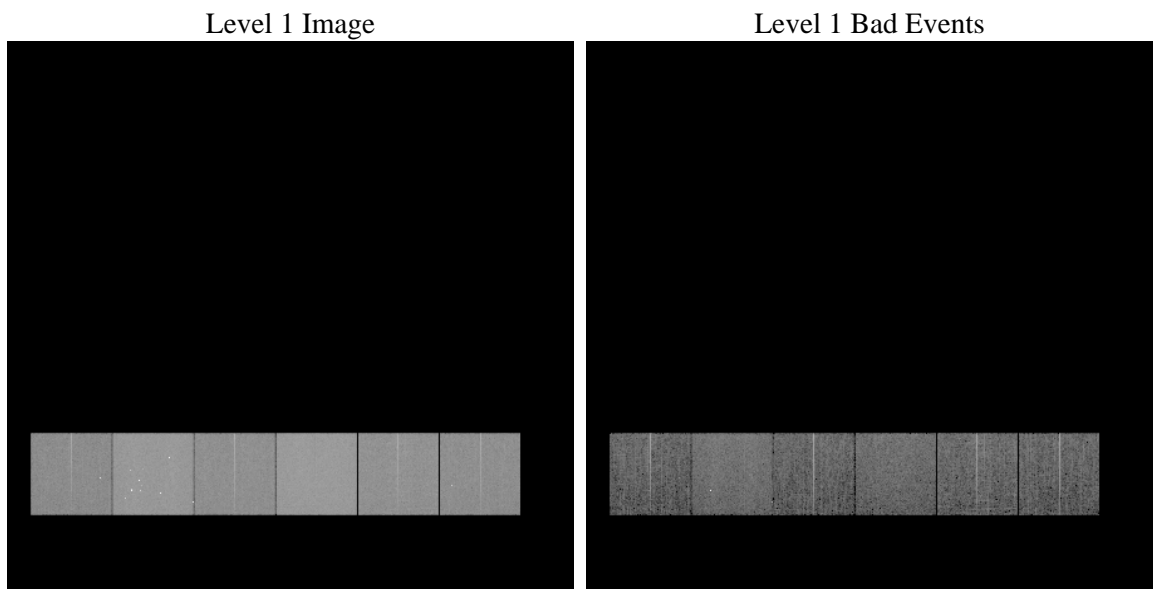
# 1 Front

seq_num	&#160	Sequence number
obs_id	60199	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	241.99417026646	Nominal RA [deg]
dec_nom	-7.0280229597479	Nominal Dec [deg]
roll_nom	225.48556901803	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8275.1999691725	Sum of GTIs [s]
livetime	8170.4144044356	Livetime [s]
ontime4	5240.070753932	Sum of GTIs [s]
ontime5	8275.1999691725	Sum of GTIs [s]
ontime6	5735.9008283019	Sum of GTIs [s]
ontime7	8275.1999691725	Sum of GTIs [s]
ontime8	5946.6457872391	Sum of GTIs [s]
ontime9	5615.8610698879	Sum of GTIs [s]
l2events	1127128	Number of level 2 events

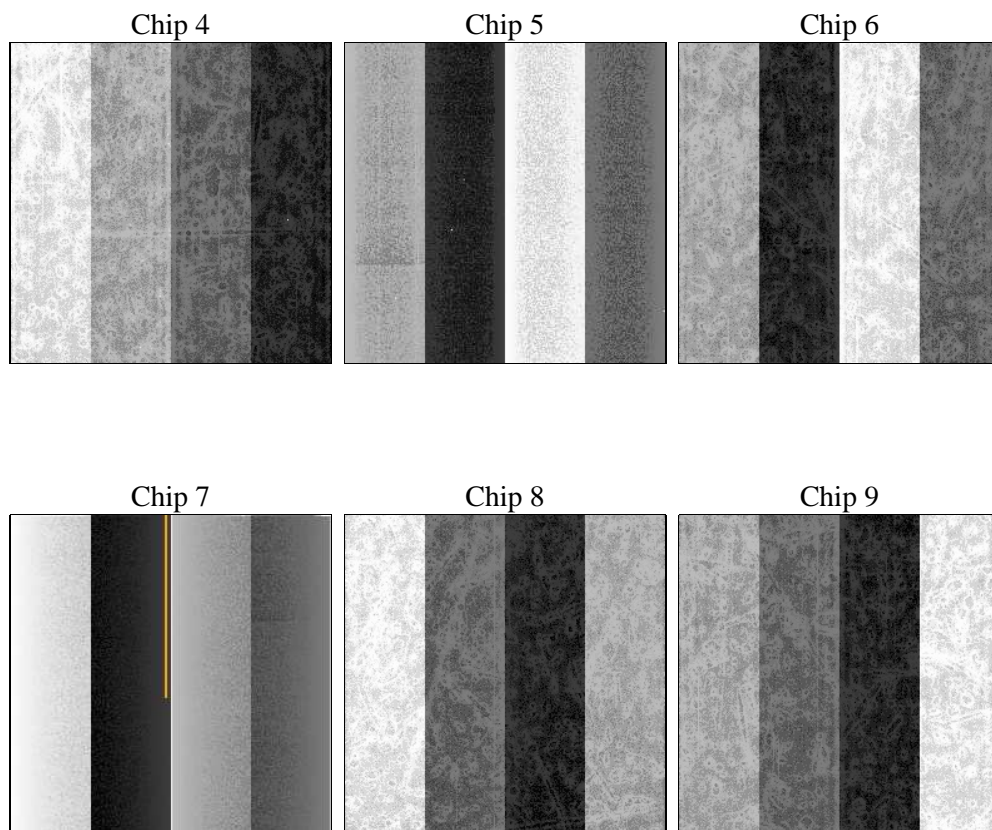
## 2 OBI

### 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	8.4.5	Processing system revision	ontime	8275.1999691725	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime4	5240.070753932	Sum of GTIs [s]
date	2012-12-03T08:06:09	Date and time of file creation	ontime5	8275.1999691725	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	5735.9008283019	Sum of GTIs [s]
			ontime7	8275.1999691725	Sum of GTIs [s]
			ontime8	5946.6457872391	Sum of GTIs [s]
			ontime9	5615.8610698879	Sum of GTIs [s]
			l1events	1498025	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	193379	312227	220960	320278	239239	211942	grade 0 events	89772	49664	95669	64087	103896	94213
rejected events	43022	64033	44338	50317	49761	43489		46%	15%	43%	20%	43%	44%
rejected %	22%	20%	20%	15%	20%	20%	grade 1 events	731	230	467	164	514	485
								0%	0%	0%	0%	0%	0%
							grade 2 events	21742	97021	30919	59711	33040	27734
								11%	31%	13%	18%	13%	13%
							grade 3 events	10023	11488	10586	26435	12249	10567
								5%	3%	4%	8%	5%	4%
							grade 4 events	10100	11044	10747	26284	12224	10674
								5%	3%	4%	8%	5%	5%
							grade 5 events	2402	9446	2735	8936	3311	2913
								1%	3%	1%	2%	1%	1%
							grade 6 events	18720	78977	28701	93444	28069	25265
								9%	25%	12%	29%	11%	11%
							grade 7 events	39889	54357	41136	41217	45936	40091
								20%	17%	18%	12%	19%	18%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	241.9941702664644	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-7.028022959747933	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	225.4855690180301			
[mm] SIM focus pos	-0.684267	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	203358240.152541	203358239.12754			
Observation start date	2004-06-11T16:24:00	2004-06-11T16:23:59			
[s] Observation end time (MET)	203381788.503584	203381787.47858			
Observation end date	2004-06-11T22:56:29	2004-06-11T22:56:27			
Read mode	TIMED	TIMED			

## **2.3 Star Slots**

## **2.4 FID Slots**

## **A Summary**

### **A.1 Status**

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.12.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2751999691725

### **A.2 Comments**