

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 62031 - L2 Version 5  
Chandra X-Ray Center

L2 Processing Date : Aug 28 2012

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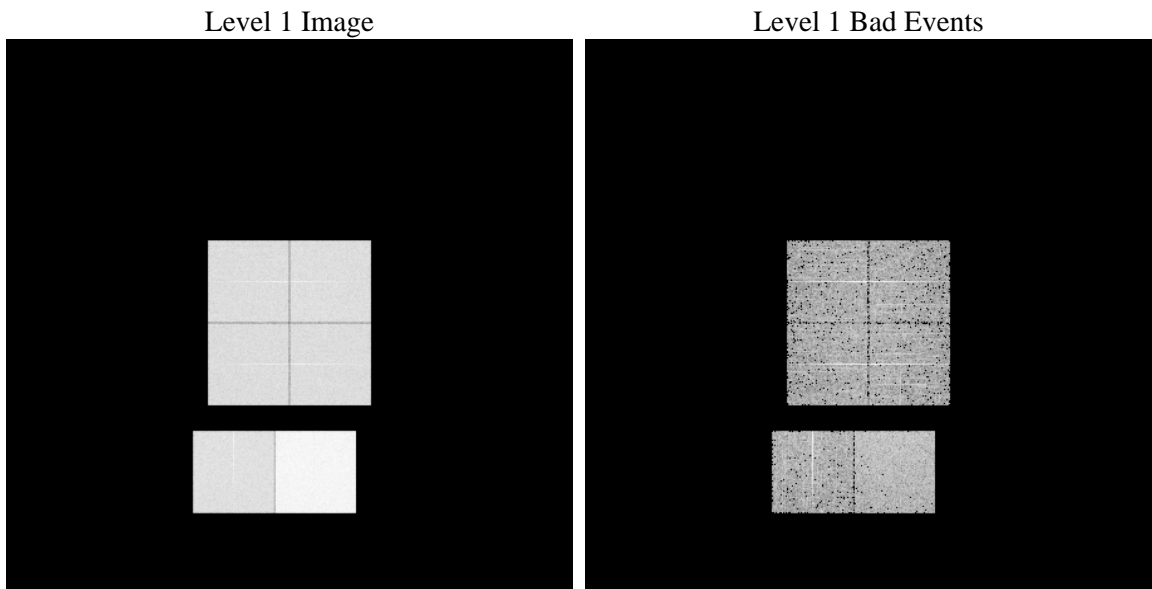
# 1 Front

seq_num	&#160	Sequence number
obs_id	62031	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	275.91595367422	Nominal RA [deg]
dec_nom	72.782851227642	Nominal Dec [deg]
roll_nom	161.89931497149	Nominal Roll [deg]
revision	5	Processing version of data
ontime	5373.6800561994	Sum of GTIs [s]
livetime	5305.6352836862	Livetime [s]
ontime0	2248.2950986326	Sum of GTIs [s]
ontime1	2332.6030687392	Sum of GTIs [s]
ontime2	2155.3633490652	Sum of GTIs [s]
ontime3	2196.3561893255	Sum of GTIs [s]
ontime6	2384.5417885929	Sum of GTIs [s]
ontime7	5373.6800561994	Sum of GTIs [s]
l2events	1337586	Number of level 2 events

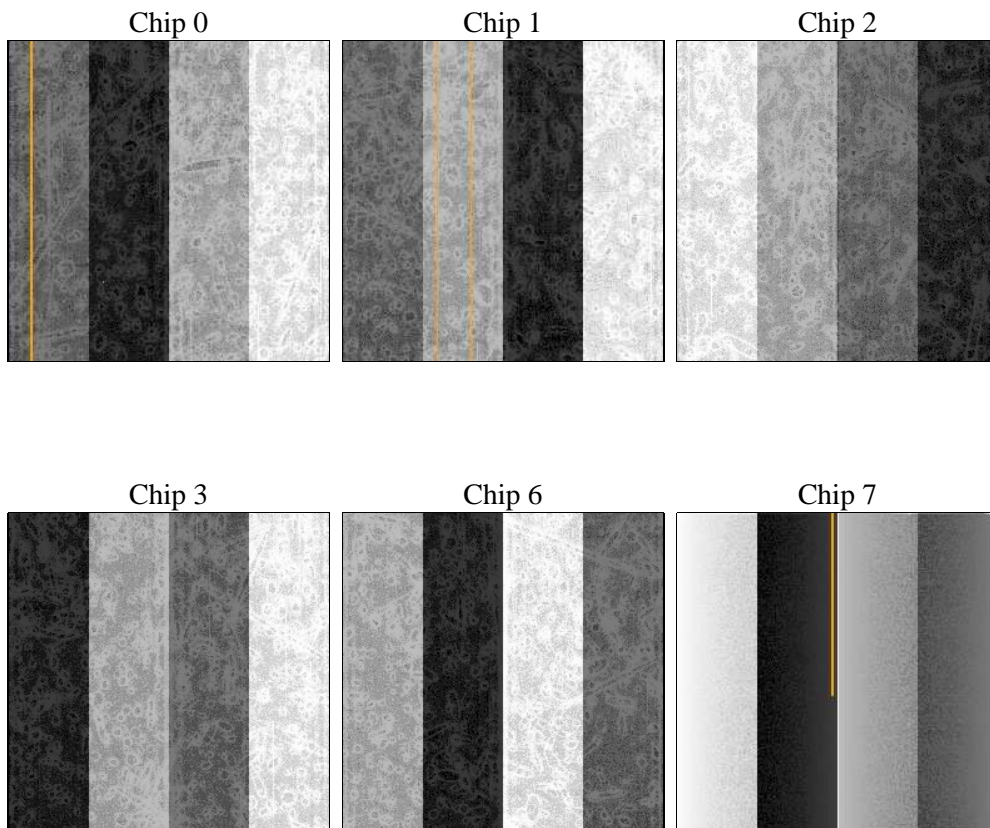
## 2 OBI

### 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	5373.6800561994	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime0	2248.2950986326	Sum of GTIs [s]
date	2012-08-28T23:47:02	Date and time of file creation	ontime1	2332.6030687392	Sum of GTIs [s]
revision	5	Processing version of data	ontime2	2155.3633490652	Sum of GTIs [s]
			ontime3	2196.3561893255	Sum of GTIs [s]
			ontime6	2384.5417885929	Sum of GTIs [s]
			ontime7	5373.6800561994	Sum of GTIs [s]
			l1events	1524280	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	203718	210153	198727	202464	226875	482343	grade 0 events	101253	105463	99579	101835	112553	117100
rejected events	20113	19703	20235	20957	21752	28428		49%	50%	50%	50%	49%	24%
rejected %	9%	9%	10%	10%	9%	5%	grade 1 events	545	592	585	576	546	320
								0%	0%	0%	0%	0%	0%
							grade 2 events	32445	33573	31627	31857	35506	100814
								15%	15%	15%	15%	15%	20%
							grade 3 events	11824	11949	11339	11815	12725	46800
								5%	5%	5%	5%	5%	9%
							grade 4 events	11638	12302	11312	11608	12750	46127
								5%	5%	5%	5%	5%	9%
							grade 5 events	1468	1446	1390	1423	1632	6352
								0%	0%	0%	0%	0%	1%
							grade 6 events	26980	27688	25117	25197	32392	144497
								13%	13%	12%	12%	14%	29%
							grade 7 events	17565	17140	17778	18153	18771	20333
								8%	8%	8%	8%	8%	4%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	275.9159536742185	Alternating exposures requested	N	N
[deg] Pointing Dec	0	72.78285122764242	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	161.8993149714852			
[mm] SIM focus pos	-0.782348	-1.428180813131781			
[mm] SIM defocus	0	0.1051558262725154			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	76796882.485	76796881.716052			
Observation start date	2000-06-07T20:28:02	2000-06-07T20:28:01			
[s] Observation end time (MET)	76807411.285	76807410.51644			
Observation end date	2000-06-07T23:23:31	2000-06-07T23:23:30			
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)	2012.08.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.3736800561994

### **A.2 Comments**