

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 58762 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 10 2012

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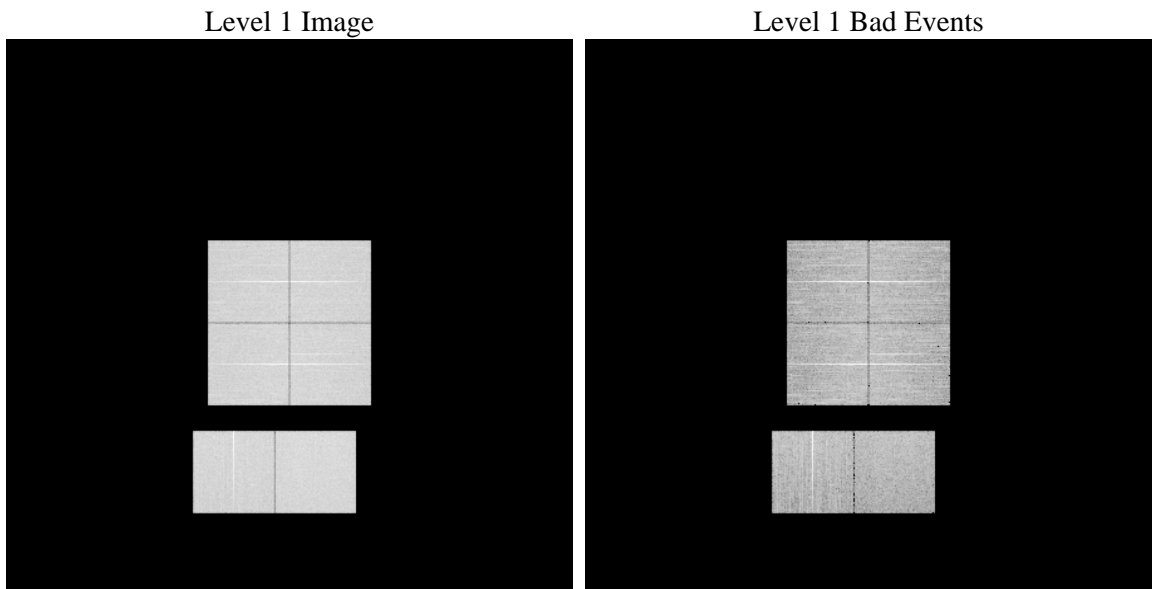
# 1 Front

seq_num	&#160	Sequence number
obs_id	58762	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	7.7709911442487	Nominal RA [deg]
dec_nom	31.88541740826	Nominal Dec [deg]
roll_nom	177.74625640794	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8274.6319396496	Sum of GTIs [s]
livetime	8169.8535676446	Livetime [s]
ontime0	8274.5908996463	Sum of GTIs [s]
ontime1	8274.549859643	Sum of GTIs [s]
ontime2	8274.5088196397	Sum of GTIs [s]
ontime3	8274.6729796529	Sum of GTIs [s]
ontime6	8274.4677796364	Sum of GTIs [s]
ontime7	8274.6319396496	Sum of GTIs [s]
l2events	846156	Number of level 2 events

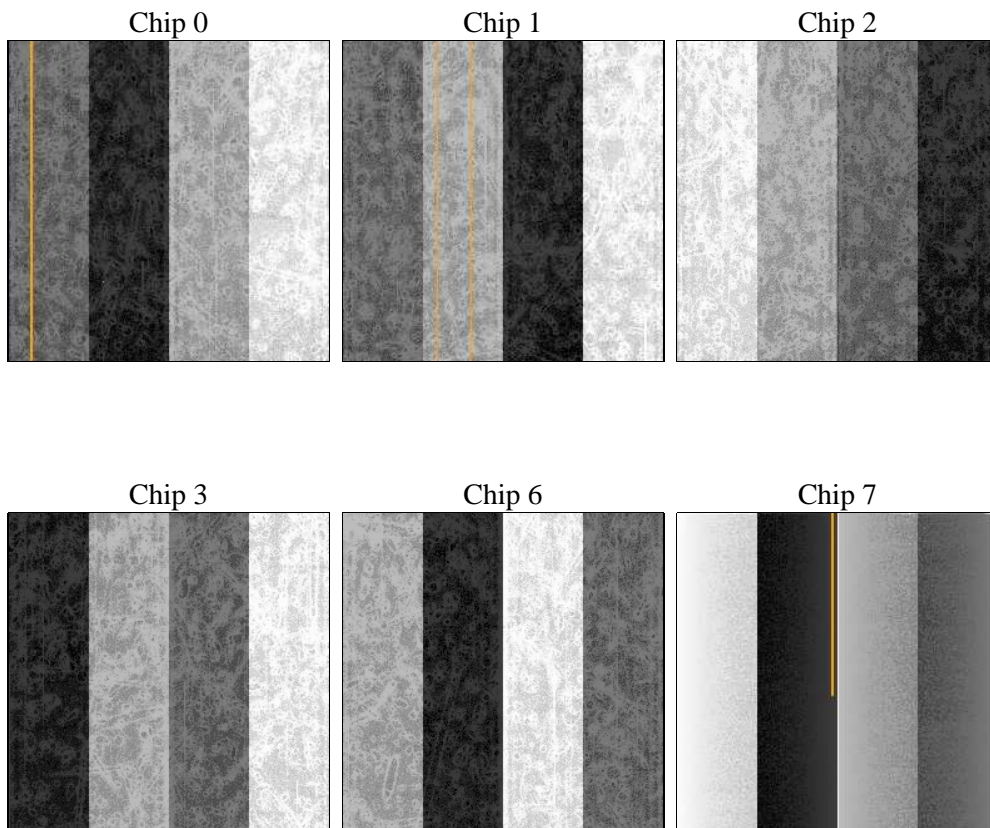
## 2 OBI

### 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	8.4.3.1	Processing system revision	ontime	8274.6319396496	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	8274.5908996463	Sum of GTIs [s]
date	2012-04-10T23:57:56	Date and time of file creation	ontime1	8274.549859643	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8274.5088196397	Sum of GTIs [s]
			ontime3	8274.6729796529	Sum of GTIs [s]
			ontime6	8274.4677796364	Sum of GTIs [s]
			ontime7	8274.6319396496	Sum of GTIs [s]
			l1events	1297113	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	207542	209545	213404	214965	218563	233094	grade 0 events	77143	76774	79338	80012	79739	37823
rejected events	65937	67197	70835	71677	70207	59731		37%	36%	37%	37%	36%	16%
rejected %	31%	32%	33%	33%	32%	25%	grade 1 events	477	404	552	569	449	141
								0%	0%	0%	0%	0%	0%
							grade 2 events	24830	25786	23941	24462	25911	37948
								11%	12%	11%	11%	11%	16%
							grade 3 events	9507	9166	9617	9343	9418	16696
								4%	4%	4%	4%	4%	7%
							grade 4 events	9133	9206	9356	9742	9300	16526
								4%	4%	4%	4%	4%	7%
							grade 5 events	3629	3835	3646	4153	4165	9787
								1%	1%	1%	1%	1%	4%
							grade 6 events	21046	21474	20368	19788	24042	64440
								10%	10%	9%	9%	11%	27%
							grade 7 events	61777	62900	66586	66896	65539	49733
								29%	30%	31%	31%	29%	21%

## 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	7.770991144248735	Alternating exposures requested	N	N
[deg] Pointing Dec	0	31.88541740825967	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	177.7462564079363			
[mm] SIM focus pos	-0.782348	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-233.592463	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	276016604.628192	276016603.60319			
Observation start date	2006-09-30T15:16:45	2006-09-30T15:16:43			
[s] Observation end time (MET)	276037914.379196	276037913.35419			
Observation end date	2006-09-30T21:11:54	2006-09-30T21:11:53			
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)	2012.04.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2746319396496

### A.2 Comments