

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57998 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 8 2012

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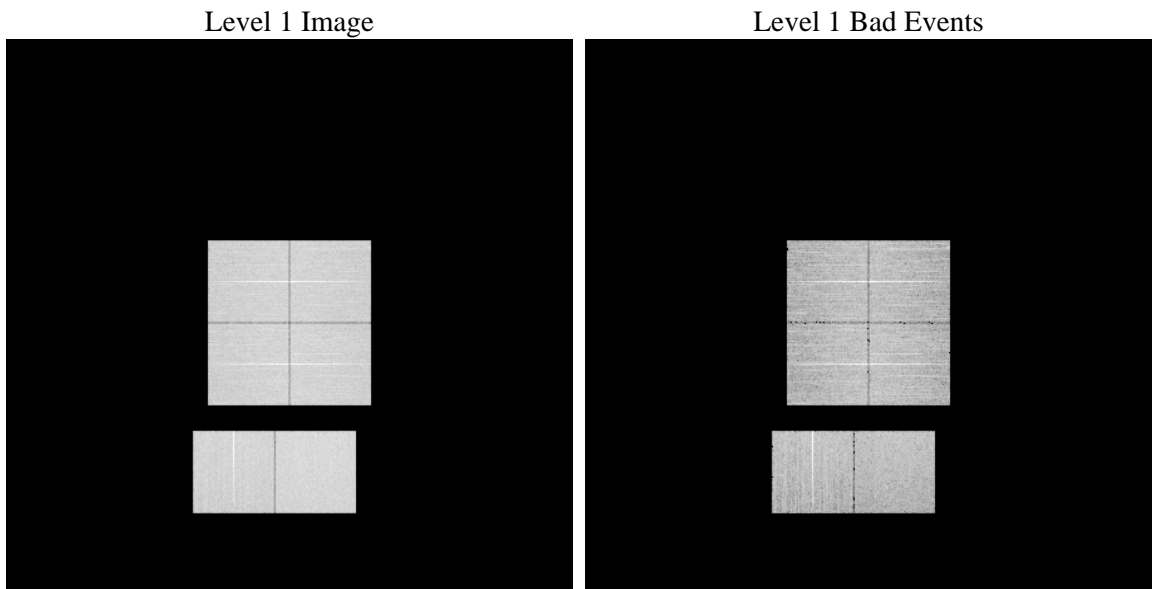
# 1 Front

seq_num	&#160	Sequence number
obs_id	57998	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	112.98193011897	Nominal RA [deg]
dec_nom	42.97450605568	Nominal Dec [deg]
roll_nom	209.74994300685	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8156.7999696732	Sum of GTIs [s]
livetime	8053.5136570219	Livetime [s]
ontime0	8156.7999696732	Sum of GTIs [s]
ontime1	8156.7999696732	Sum of GTIs [s]
ontime2	8156.7999696732	Sum of GTIs [s]
ontime3	8156.7999696732	Sum of GTIs [s]
ontime6	8156.7999696732	Sum of GTIs [s]
ontime7	8156.7999696732	Sum of GTIs [s]
l2events	627713	Number of level 2 events

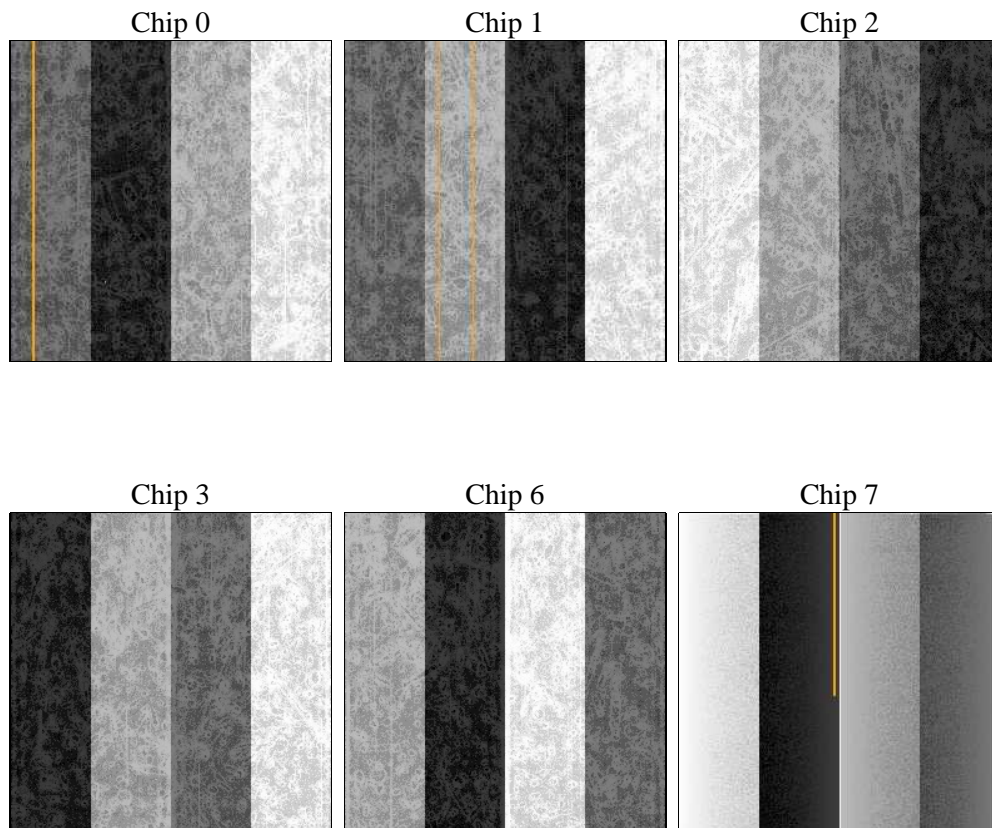
## 2 OBI

### 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	8.4.4	Processing system revision	ontime	8156.7999696732	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	8156.7999696732	Sum of GTIs [s]
date	2012-05-08T16:07:00	Date and time of file creation	ontime1	8156.7999696732	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8156.7999696732	Sum of GTIs [s]
			ontime3	8156.7999696732	Sum of GTIs [s]
			ontime6	8156.7999696732	Sum of GTIs [s]
			ontime7	8156.7999696732	Sum of GTIs [s]
			l1events	1095072	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	173936	173897	177959	180682	183147	205451	grade 0 events	56404	56612	58054	58502	58314	28692
rejected events	70741	69703	73538	75921	75366	67411		32%	32%	32%	32%	31%	13%
rejected %	40%	40%	41%	42%	41%	32%	grade 1 events	447	395	511	479	361	168
								0%	0%	0%	0%	0%	0%
							grade 2 events	18764	19233	18327	18397	19056	30313
								10%	11%	10%	10%	10%	14%
							grade 3 events	6794	7017	7122	7206	7222	13193
								3%	4%	4%	3%	3%	6%
							grade 4 events	6865	6827	7094	7083	7004	13292
								3%	3%	3%	3%	3%	6%
							grade 5 events	3970	4017	3718	4367	4303	10800
								2%	2%	2%	2%	2%	5%
							grade 6 events	15859	15994	15308	15029	17681	54482
								9%	9%	8%	8%	9%	26%
							grade 7 events	64833	63802	67825	69619	69206	54511
								37%	36%	38%	38%	37%	26%

## 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	112.9819301189693
[deg] Pointing Dec	0	42.97450605567951
[deg] Pointing Roll	0.0	209.7499430068481
[mm] SIM focus pos	-0.782348	-0.6828225247311905
[mm] SIM defocus	0	0.8505141146731063
[mm] SIM translation stage pos	-233.592463	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	317593267.515187	317593266.4902
Observation start date	2008-01-24T20:21:08	2008-01-24T20:21:06
[s] Observation end time (MET)	317616299.266303	317616298.24132
Observation end date	2008-01-25T02:44:59	2008-01-25T02:44:58
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1567999696732

### **A.2 Comments**