

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 58980 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Mar 31 2012

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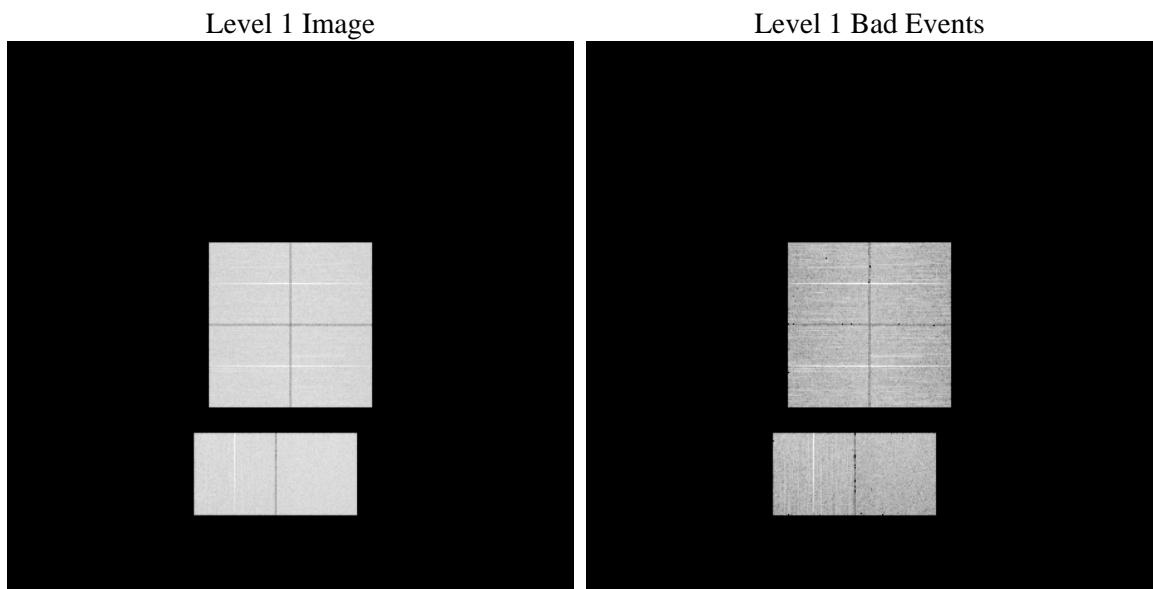
# 1 Front

seq_num	&#160	Sequence number
obs_id	58980	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	251.9847376054	Nominal RA [deg]
dec_nom	-20.975189014292	Nominal Dec [deg]
roll_nom	87.061758945238	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8274.2996761203	Sum of GTIs [s]
livetime	8169.5255114361	Livetime [s]
ontime0	8271.0586659312	Sum of GTIs [s]
ontime1	8277.5406763256	Sum of GTIs [s]
ontime2	8277.5165207684	Sum of GTIs [s]
ontime3	8274.2996562421	Sum of GTIs [s]
ontime6	8277.4754807949	Sum of GTIs [s]
ontime7	8274.2996761203	Sum of GTIs [s]
l2events	933096	Number of level 2 events

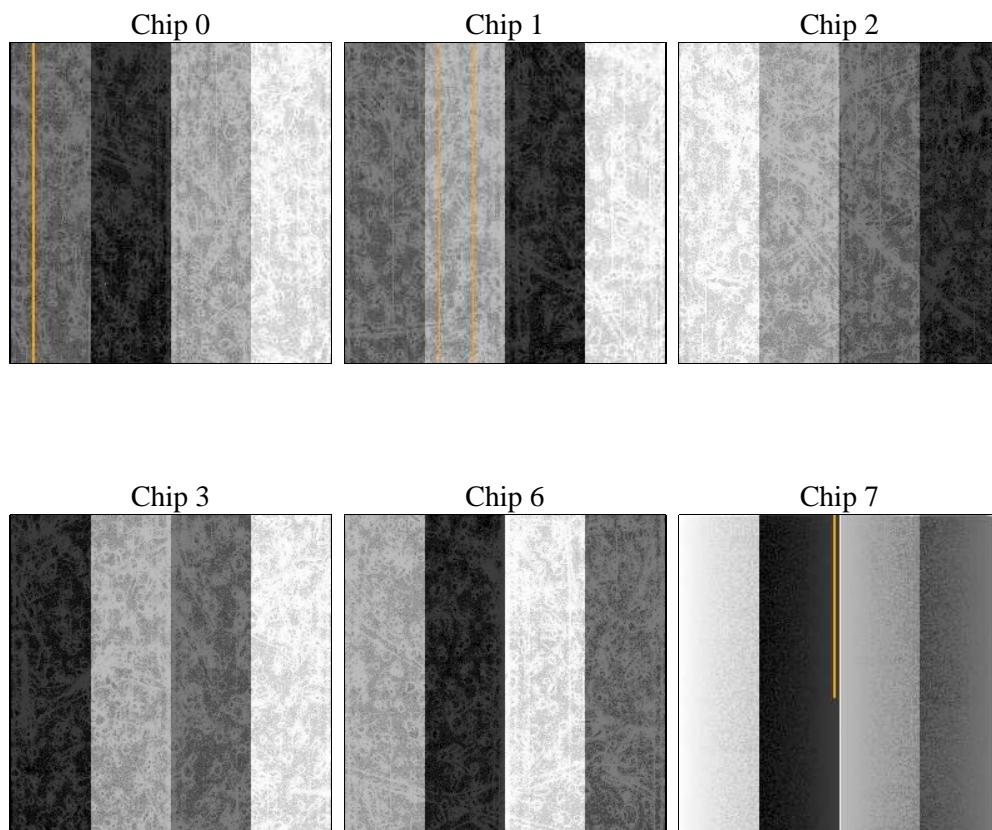
## 2 OBI

### 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	8.4.3.1	Processing system revision	ontime	8274.2996761203	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	8271.0586659312	Sum of GTIs [s]
date	2012-03-31T12:34:47	Date and time of file creation	ontime1	8277.5406763256	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8277.5165207684	Sum of GTIs [s]
			ontime3	8274.2996562421	Sum of GTIs [s]
			ontime6	8277.4754807949	Sum of GTIs [s]
			ontime7	8274.2996761203	Sum of GTIs [s]
			l1events	1391871	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	223131	225035	229462	229449	235405	249389	grade 0 events	84838	84718	87476	88227	87929	42100
rejected events	67268	68584	71443	70726	71590	59996		38%	37%	38%	38%	37%	16%
rejected %	30%	30%	31%	30%	30%	24%	grade 1 events	593	510	639	628	518	204
								0%	0%	0%	0%	0%	0%
							grade 2 events	27556	28150	26811	27373	28409	41075
								12%	12%	11%	11%	12%	16%
							grade 3 events	10209	10114	10495	10407	10537	18387
								4%	4%	4%	4%	4%	7%
							grade 4 events	10061	10112	10555	10533	10485	18410
								4%	4%	4%	4%	4%	7%
							grade 5 events	3728	3919	3587	4259	4108	10066
								1%	1%	1%	1%	1%	4%
							grade 6 events	23199	23357	22682	22183	26455	69421
								10%	10%	9%	9%	11%	27%
							grade 7 events	62947	64155	67217	65839	66964	49726
								28%	28%	29%	28%	28%	19%

## 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	251.9847376054012
[deg] Pointing Dec	0	-20.97518901429162
[deg] Pointing Roll	0.0	87.06175894523835
[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)	263222258.828705	263222257.80371
Observation start date	2006-05-05T13:17:39	2006-05-05T13:17:37
[s] Observation end time (MET)	263243570.629699	263243569.60471
Observation end date	2006-05-05T19:12:51	2006-05-05T19:12:49
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)	2012.04.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2742996761203

### A.2 Comments