

# V&V Reference Report

## L2 ASCDS Version : 8.5.1

Observation 59883 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 15 2012

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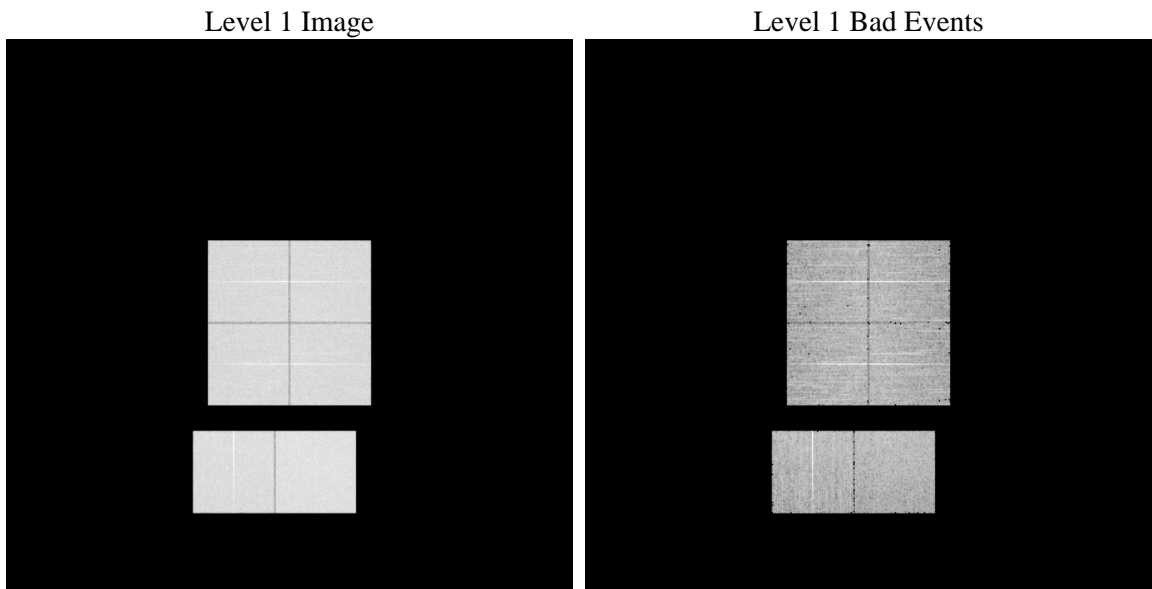
# 1 Front

seq_num	&#160	Sequence number
obs_id	59883	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	89.017123449198	Nominal RA [deg]
dec_nom	17.980971830111	Nominal Dec [deg]
roll_nom	295.52771042596	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7801.5999709368	Sum of GTIs [s]
livetime	7702.8114145452	Livetime [s]
ontime0	6532.3111531138	Sum of GTIs [s]
ontime1	6738.5625252426	Sum of GTIs [s]
ontime2	6443.6338507235	Sum of GTIs [s]
ontime3	6505.2129243314	Sum of GTIs [s]
ontime6	6962.1893052757	Sum of GTIs [s]
ontime7	7801.5999709368	Sum of GTIs [s]
l2events	1066999	Number of level 2 events

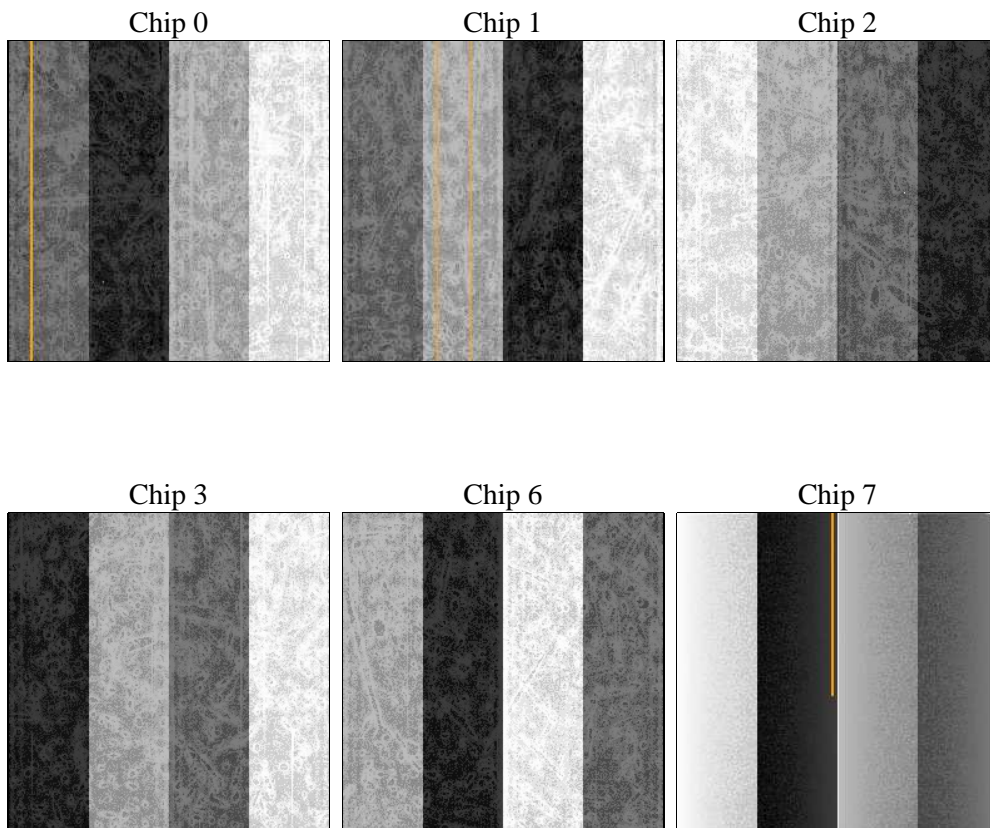
## 2 OBI

### 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	8.5.1	Processing system revision	ontime	7801.5999709368	Sum of GTIs [s]
caldsver	4.5.5	&#160	ontime0	6532.3111531138	Sum of GTIs [s]
date	2012-12-15T20:58:02	Date and time of file creation	ontime1	6738.5625252426	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	6443.6338507235	Sum of GTIs [s]
			ontime3	6505.2129243314	Sum of GTIs [s]
			ontime6	6962.1893052757	Sum of GTIs [s]
			ontime7	7801.5999709368	Sum of GTIs [s]
			l1events	1410851	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	217942	224447	220799	221619	247009	279035	grade 0 events	94250	96972	96035	97188	105290	55104
rejected events	45898	46229	49149	47991	52989	47851		43%	43%	43%	43%	42%	19%
rejected %	21%	20%	22%	21%	21%	17%	grade 1 events	565	569	618	588	518	172
								0%	0%	0%	0%	0%	0%
							grade 2 events	30376	31905	28901	29776	33569	50752
								13%	14%	13%	13%	13%	18%
							grade 3 events	11218	11617	11309	11366	12060	23297
								5%	5%	5%	5%	4%	8%
							grade 4 events	11251	11316	11231	11326	12201	22755
								5%	5%	5%	5%	4%	8%
							grade 5 events	2834	2977	2707	3037	3433	8446
								1%	1%	1%	1%	1%	3%
							grade 6 events	24949	26408	24174	24067	30900	79276
								11%	11%	10%	10%	12%	28%
							grade 7 events	42499	42683	45824	44271	49038	39233
								19%	19%	20%	19%	19%	14%

## 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	89.01712344919798	Alternating exposures requested	N	N
[deg] Pointing Dec	0	17.980971830111	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	295.5277104259587			
[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)	220917212.536657	220917211.51166			
Observation start date	2004-12-31T21:53:33	2004-12-31T21:53:31			
[s] Observation end time (MET)	220932243.137334	220932242.11234			
Observation end date	2005-01-01T02:04:03	2005-01-01T02:04:02			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.01.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.8015999709368

### A.2 Comments