

# V&V Reference Report

## L2 ASCDS Version : 8.5

Observation 59927 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 12 2012

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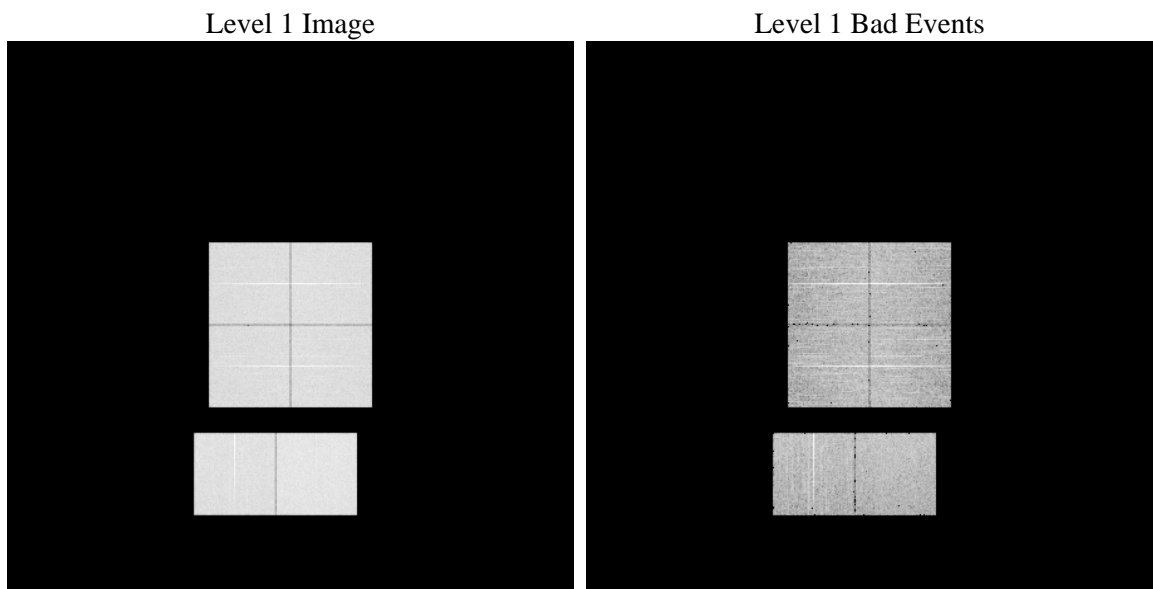
# 1 Front

seq_num	&#160	Sequence number
obs_id	59927	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	105.00238477625	Nominal RA [deg]
dec_nom	5.0285180307085	Nominal Dec [deg]
roll_nom	52.37338776184	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8284.7999691367	Sum of GTIs [s]
livetime	8179.8928434199	Livetime [s]
ontime0	6900.9016449153	Sum of GTIs [s]
ontime1	7212.0357828736	Sum of GTIs [s]
ontime2	6650.0559596717	Sum of GTIs [s]
ontime3	6832.8411986232	Sum of GTIs [s]
ontime6	7306.024172008	Sum of GTIs [s]
ontime7	8284.7999691367	Sum of GTIs [s]
l2events	1130042	Number of level 2 events

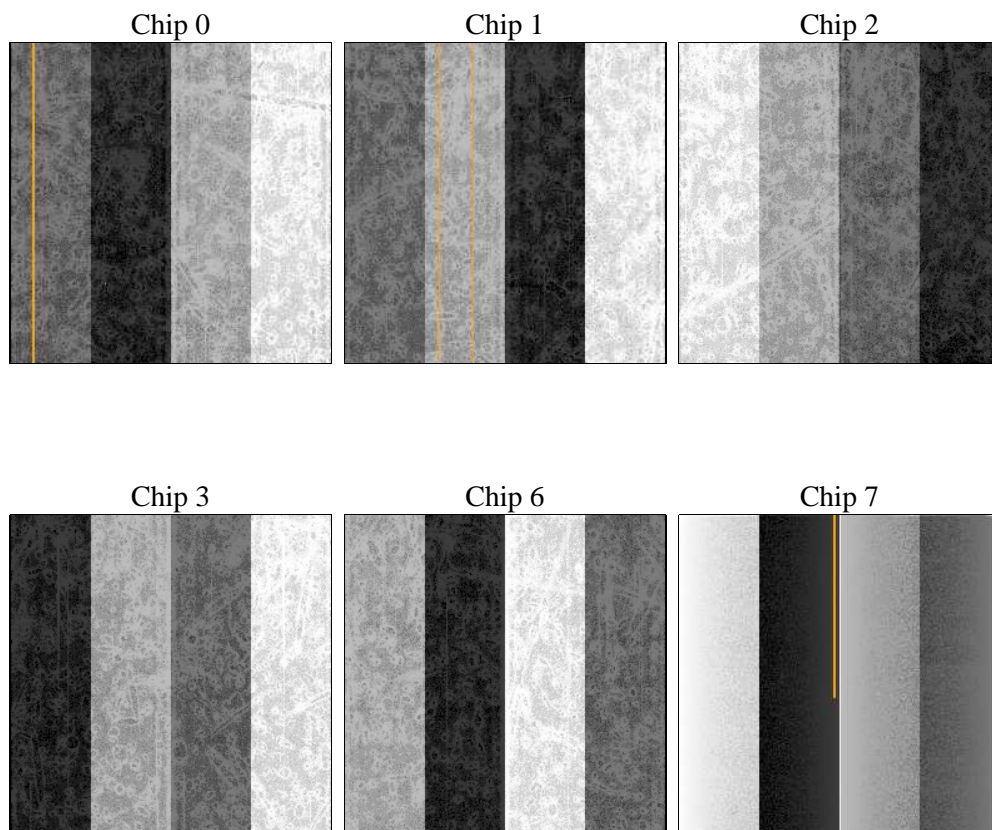
## 2 OBI

### 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	Processing system revision	ontime	8284.7999691367	Sum of GTIs [s]
caldsver	4.5.4	&#160	ontime0	6900.9016449153	Sum of GTIs [s]
date	2012-12-12T18:22:26	Date and time of file creation	ontime1	7212.0357828736	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	6650.0559596717	Sum of GTIs [s]
			ontime3	6832.8411986232	Sum of GTIs [s]
			ontime6	7306.024172008	Sum of GTIs [s]
			ontime7	8284.7999691367	Sum of GTIs [s]
			l1events	1496316	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	232057	243118	228842	236127	258434	297738	grade 0 events	100375	104892	99413	103030	110612	58467
rejected events	49407	50728	50951	52373	54107	51669		43%	43%	43%	43%	42%	19%
rejected %	21%	20%	22%	22%	20%	17%	grade 1 events	680	529	618	679	601	207
								0%	0%	0%	0%	0%	0%
							grade 2 events	31682	34512	29998	31303	35252	53580
								13%	14%	13%	13%	13%	17%
							grade 3 events	12087	12369	11578	12119	12865	24612
								5%	5%	5%	5%	4%	8%
							grade 4 events	11781	12380	11679	12003	12752	24352
								5%	5%	5%	5%	4%	8%
							grade 5 events	3070	3157	2840	3208	3555	9062
								1%	1%	1%	1%	1%	3%
							grade 6 events	26805	28321	25223	25387	32930	85163
								11%	11%	11%	10%	12%	28%
							grade 7 events	45577	46958	47493	48398	49867	42295
								19%	19%	20%	20%	19%	14%

## 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	105.0023847762469
[deg] Pointing Dec	0	5.028518030708479
[deg] Pointing Roll	0.0	52.37338776183956
[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)	219125426.355961	219125425.33097
Observation start date	2004-12-11T04:10:26	2004-12-11T04:10:25
[s] Observation end time (MET)	219146736.106919	219146735.08192
Observation end date	2004-12-11T10:05:36	2004-12-11T10:05:35
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.01.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2847999691367

### A.2 Comments