

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61490 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Sep 23 2012

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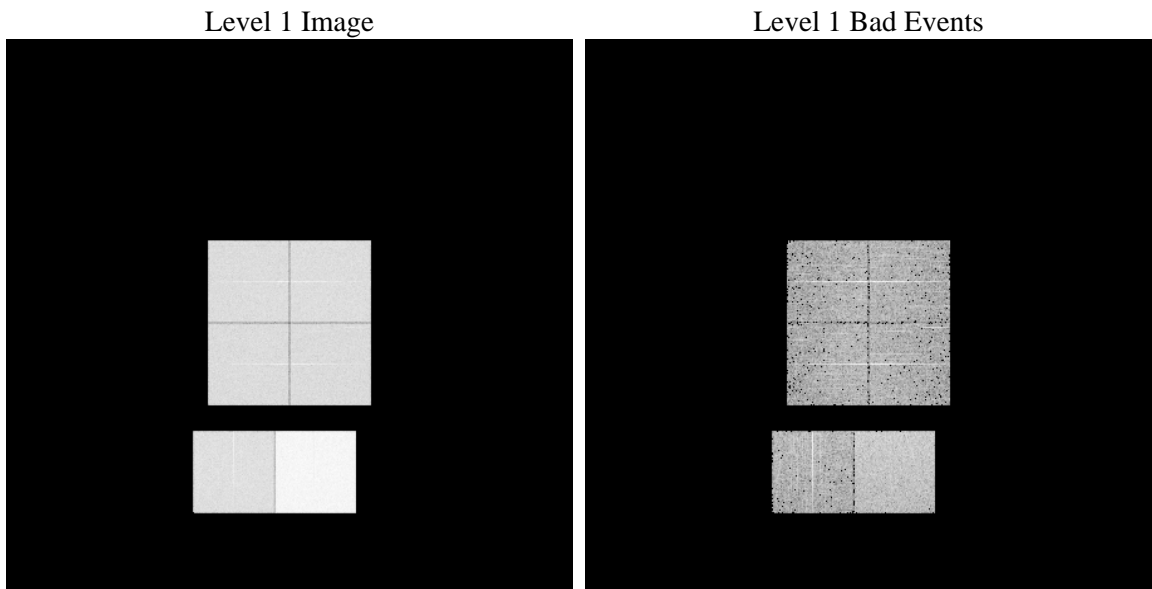
# 1 Front

seq_num	&#160	Sequence number
obs_id	61490	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	158.04431572912	Nominal RA [deg]
dec_nom	56.615044974417	Nominal Dec [deg]
roll_nom	359.03656318425	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7452.0585181564	Sum of GTIs [s]
livetime	7357.6960661086	Livetime [s]
ontime0	3047.5321989059	Sum of GTIs [s]
ontime1	3153.527315706	Sum of GTIs [s]
ontime2	2946.9783777744	Sum of GTIs [s]
ontime3	2878.0401326716	Sum of GTIs [s]
ontime6	3235.3884413391	Sum of GTIs [s]
ontime7	7452.0585181564	Sum of GTIs [s]
l2events	1327953	Number of level 2 events

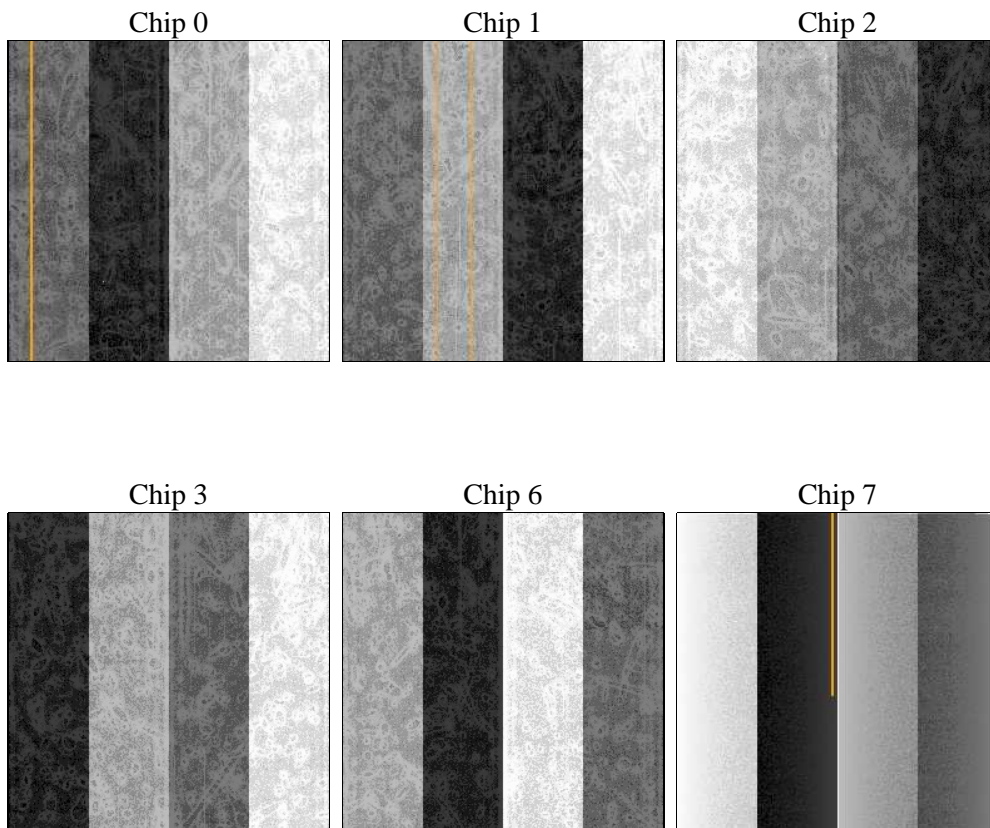
## 2 OBI

### 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	8.4.5	Processing system revision	ontime	7452.0585181564	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime0	3047.5321989059	Sum of GTIs [s]
date	2012-09-23T08:21:01	Date and time of file creation	ontime1	3153.527315706	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	2946.9783777744	Sum of GTIs [s]
			ontime3	2878.0401326716	Sum of GTIs [s]
			ontime6	3235.3884413391	Sum of GTIs [s]
			ontime7	7452.0585181564	Sum of GTIs [s]
			l1events	1545769	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	205397	211341	200949	197415	228017	502650	grade 0 events	101797	104912	100172	98718	111637	118020
rejected events	22855	23281	23459	23415	25974	42392		49%	49%	49%	50%	48%	23%
rejected %	11%	11%	11%	11%	11%	8%	grade 1 events	471	513	476	471	467	282
								0%	0%	0%	0%	0%	0%
							grade 2 events	32607	33758	31849	30873	35240	102957
								15%	15%	15%	15%	15%	20%
							grade 3 events	11753	11879	11224	11104	12585	47072
								5%	5%	5%	5%	5%	9%
							grade 4 events	11635	11966	10926	11012	12481	47031
								5%	5%	5%	5%	5%	9%
							grade 5 events	1527	1637	1483	1557	1775	7606
								0%	0%	0%	0%	0%	1%
							grade 6 events	27065	27680	25758	24429	32692	151015
								13%	13%	12%	12%	14%	30%
							grade 7 events	18542	18996	19061	19251	21140	28667
								9%	8%	9%	9%	9%	5%

## 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	158.0443157291184	Alternating exposures requested	N	N
[deg] Pointing Dec	0	56.61504497441683	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	359.0365631842508			
[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)	115405630.712	115405629.94343			
Observation start date	2001-08-28T17:07:11	2001-08-28T17:07:09			
[s] Observation end time (MET)	115417182.462	115417181.69389			
Observation end date	2001-08-28T20:19:42	2001-08-28T20:19:41			
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)	2012.09.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.4520585181564

### A.2 Comments