

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61555 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Sep 20 2012

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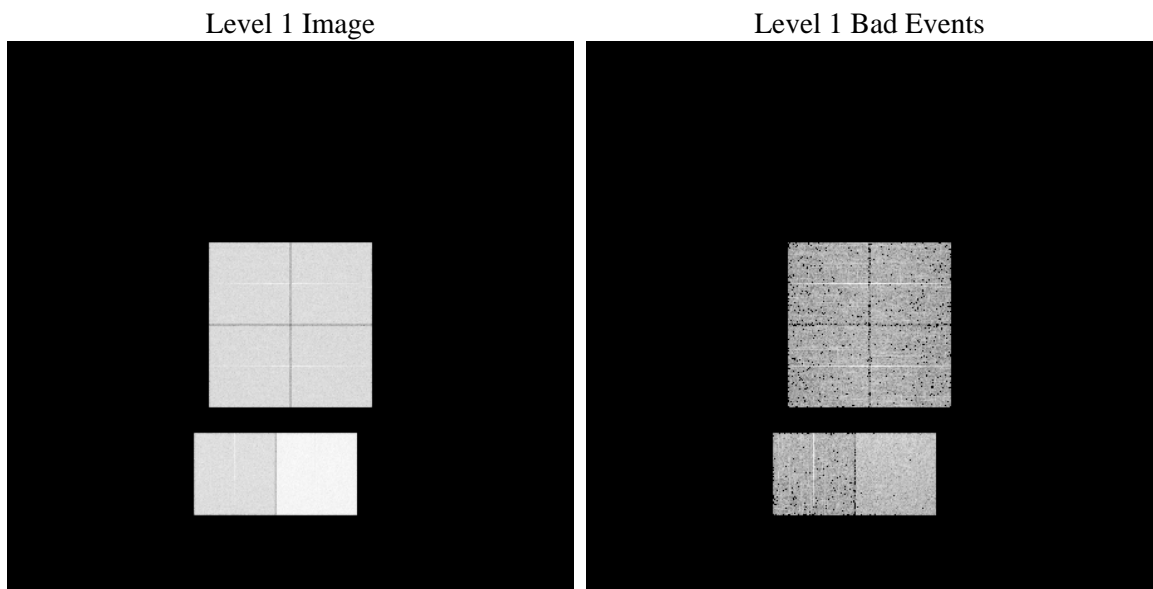
# 1 Front

seq_num	&#160	Sequence number
obs_id	61555	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	359.97501352006	Nominal RA [deg]
dec_nom	11.0148723737	Nominal Dec [deg]
roll_nom	116.09410081363	Nominal Roll [deg]
revision	3	Processing version of data
ontime	6728.0596655607	Sum of GTIs [s]
livetime	6642.8649229242	Livetime [s]
ontime0	2672.5175977796	Sum of GTIs [s]
ontime1	2693.0360324234	Sum of GTIs [s]
ontime2	2556.9130705744	Sum of GTIs [s]
ontime3	2568.7222978324	Sum of GTIs [s]
ontime6	2829.159542799	Sum of GTIs [s]
ontime7	6728.0596655607	Sum of GTIs [s]
l2events	1232712	Number of level 2 events

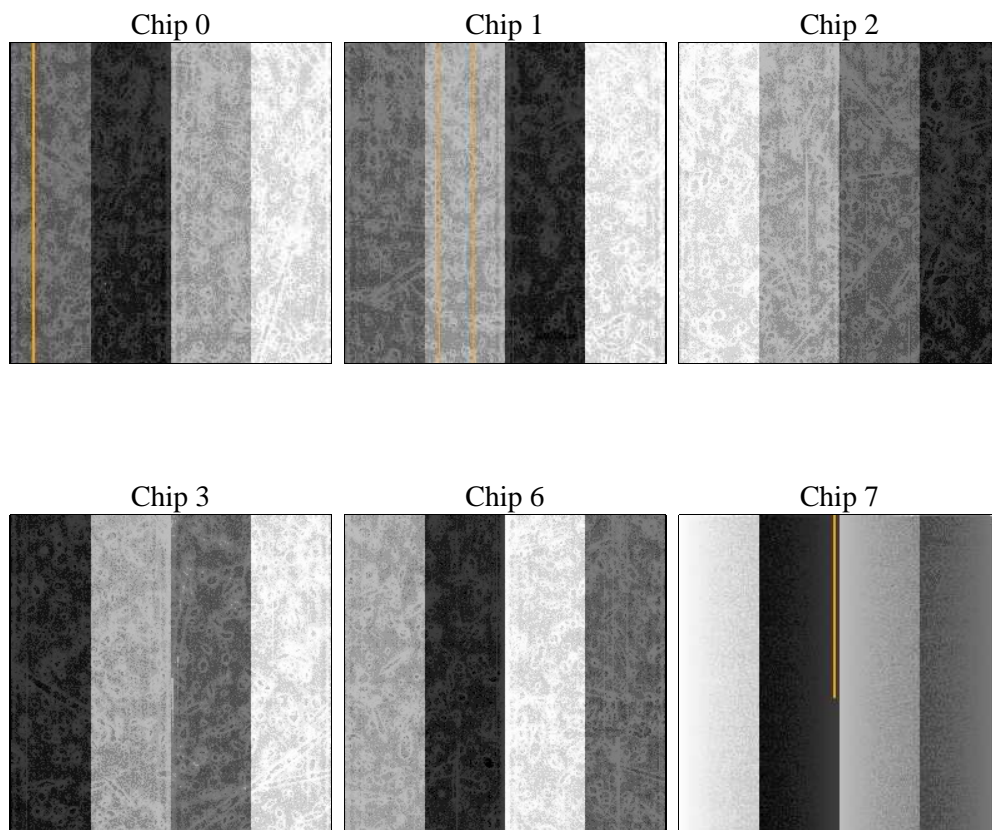
## 2 OBI

### 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	6728.0596655607	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime0	2672.5175977796	Sum of GTIs [s]
date	2012-09-20T19:08:58	Date and time of file creation	ontime1	2693.0360324234	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	2556.9130705744	Sum of GTIs [s]
			ontime3	2568.7222978324	Sum of GTIs [s]
			ontime6	2829.159542799	Sum of GTIs [s]
			ontime7	6728.0596655607	Sum of GTIs [s]
			l1events	1426259	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	186861	189142	183489	183888	209343	473536	grade 0 events	91592	92938	90351	90945	101637	112396
rejected events	20539	20804	21136	21011	22601	35963		49%	49%	49%	49%	48%	23%
rejected %	10%	10%	11%	11%	10%	7%	grade 1 events	476	491	475	492	513	313
								0%	0%	0%	0%	0%	0%
							grade 2 events	29403	29665	28617	28526	32325	96927
								15%	15%	15%	15%	15%	20%
							grade 3 events	10476	10658	10150	10331	11491	44439
								5%	5%	5%	5%	5%	9%
							grade 4 events	10552	10546	10183	10412	11441	44320
								5%	5%	5%	5%	5%	9%
							grade 5 events	1396	1464	1496	1441	1788	7458
								0%	0%	0%	0%	0%	1%
							grade 6 events	24299	24738	23264	22743	30080	139720
								13%	13%	12%	12%	14%	29%
							grade 7 events	18667	18642	18953	18998	20068	27963
								9%	9%	10%	10%	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	359.975013520064	Alternating exposures requested	N	N
[deg] Pointing Dec	0	11.01487237370032	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	116.0941008136253			
[mm] SIM focus pos	-0.782348	-1.038866356238299			
[mm] SIM defocus	0	0.4944702831659975			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	111020731.79	111020731.02106			
Observation start date	2001-07-08T23:05:32	2001-07-08T23:05:31			
[s] Observation end time (MET)	111032183.09	111032182.32151			
Observation end date	2001-07-09T02:16:23	2001-07-09T02:16:22			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.09.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.7280596655607

### A.2 Comments