

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61478 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Sep 23 2012

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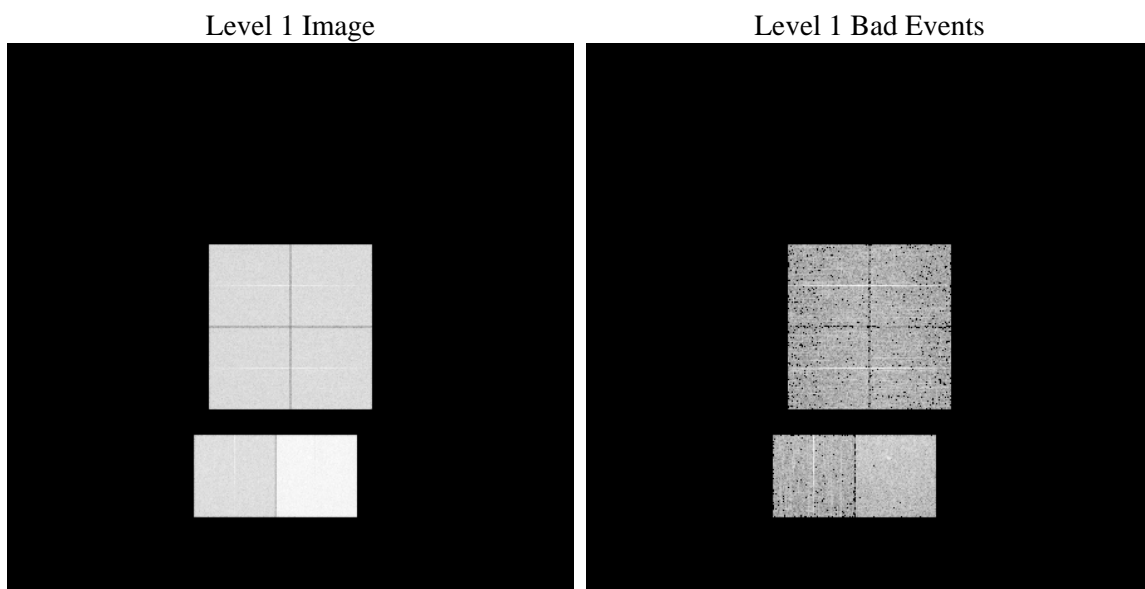
# 1 Front

seq_num	&#160	Sequence number
obs_id	61478	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	305.03008737089	Nominal RA [deg]
dec_nom	-35.014590648409	Nominal Dec [deg]
roll_nom	296.60565050366	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7087.0574448854	Sum of GTIs [s]
livetime	6997.3168562046	Livetime [s]
ontime0	2709.5062332898	Sum of GTIs [s]
ontime1	2821.8462904692	Sum of GTIs [s]
ontime2	2646.7896491885	Sum of GTIs [s]
ontime3	2731.2205298245	Sum of GTIs [s]
ontime6	2933.1374245733	Sum of GTIs [s]
ontime7	7087.0574448854	Sum of GTIs [s]
l2events	1226214	Number of level 2 events

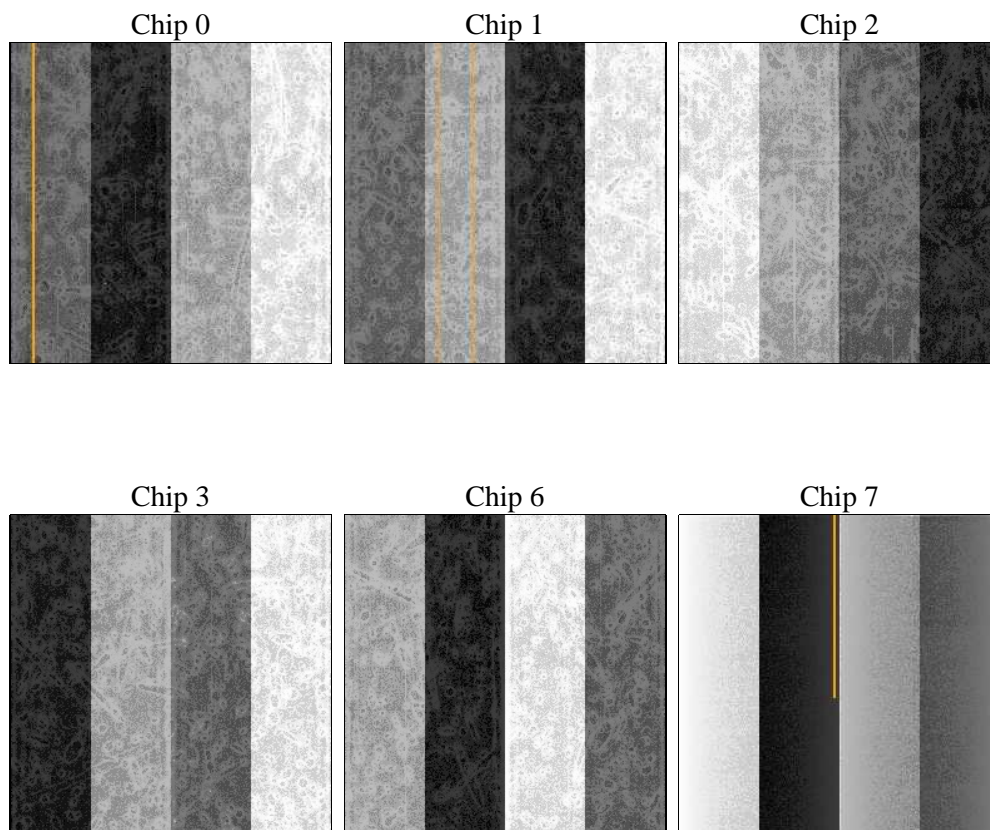
## 2 OBI

### 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	7087.0574448854	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime0	2709.5062332898	Sum of GTIs [s]
date	2012-09-23T22:02:55	Date and time of file creation	ontime1	2821.8462904692	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	2646.7896491885	Sum of GTIs [s]
			ontime3	2731.2205298245	Sum of GTIs [s]
			ontime6	2933.1374245733	Sum of GTIs [s]
			ontime7	7087.0574448854	Sum of GTIs [s]
			l1events	1423663	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	181858	188942	180564	187108	207186	478005	grade 0 events	88253	92653	88567	92610	100495	112063
rejected events	21212	20872	21145	22052	23096	38014		48%	49%	49%	49%	48%	23%
rejected %	11%	11%	11%	11%	11%	7%	grade 1 events	434	514	488	508	534	320
								0%	0%	0%	0%	0%	0%
							grade 2 events	28500	29760	28033	28538	31666	97668
								15%	15%	15%	15%	15%	20%
							grade 3 events	10330	10743	10040	10571	11494	44828
								5%	5%	5%	5%	5%	9%
							grade 4 events	10229	10464	10182	10474	11171	44241
								5%	5%	5%	5%	5%	9%
							grade 5 events	1478	1500	1361	1419	1737	7832
								0%	0%	0%	0%	0%	1%
							grade 6 events	23334	24450	22597	22863	29264	141191
								12%	12%	12%	12%	14%	29%
							grade 7 events	19300	18858	19296	20125	20825	29862
								10%	9%	10%	10%	10%	6%

## 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	305.0300873708887	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-35.01459064840925	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	296.6056505036616			
[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)	116508090.005465	116508089.23699			
Observation start date	2001-09-10T11:21:30	2001-09-10T11:21:29			
[s] Observation end time (MET)	116540080.256729	116540079.48826			
Observation end date	2001-09-10T20:14:40	2001-09-10T20:14:39			
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)	2012.09.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.0870574448854

### A.2 Comments