

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61889 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Sep 2 2012

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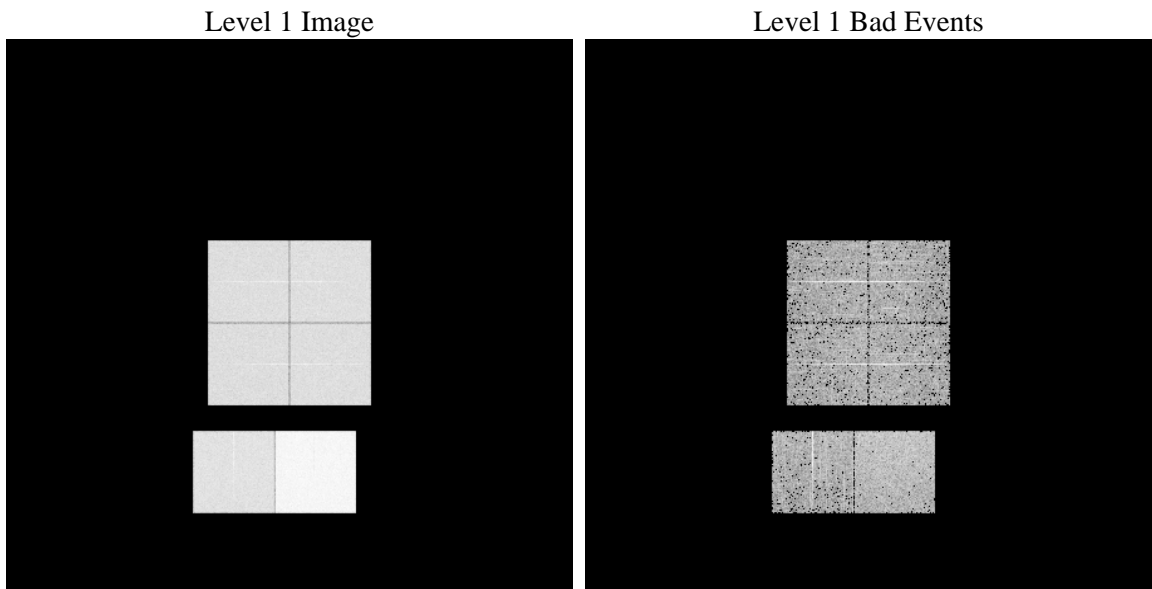
# 1 Front

seq_num	&#160	Sequence number
obs_id	61889	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	158.51294502179	Nominal RA [deg]
dec_nom	50.777519144037	Nominal Dec [deg]
roll_nom	40.876797820173	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5415.6453622431	Sum of GTIs [s]
livetime	5347.0691997562	Livetime [s]
ontime0	2317.2947425693	Sum of GTIs [s]
ontime1	2365.951103285	Sum of GTIs [s]
ontime2	2210.3873598576	Sum of GTIs [s]
ontime3	2271.8380927444	Sum of GTIs [s]
ontime6	2504.9042465389	Sum of GTIs [s]
ontime7	5415.6453622431	Sum of GTIs [s]
l2events	1259550	Number of level 2 events

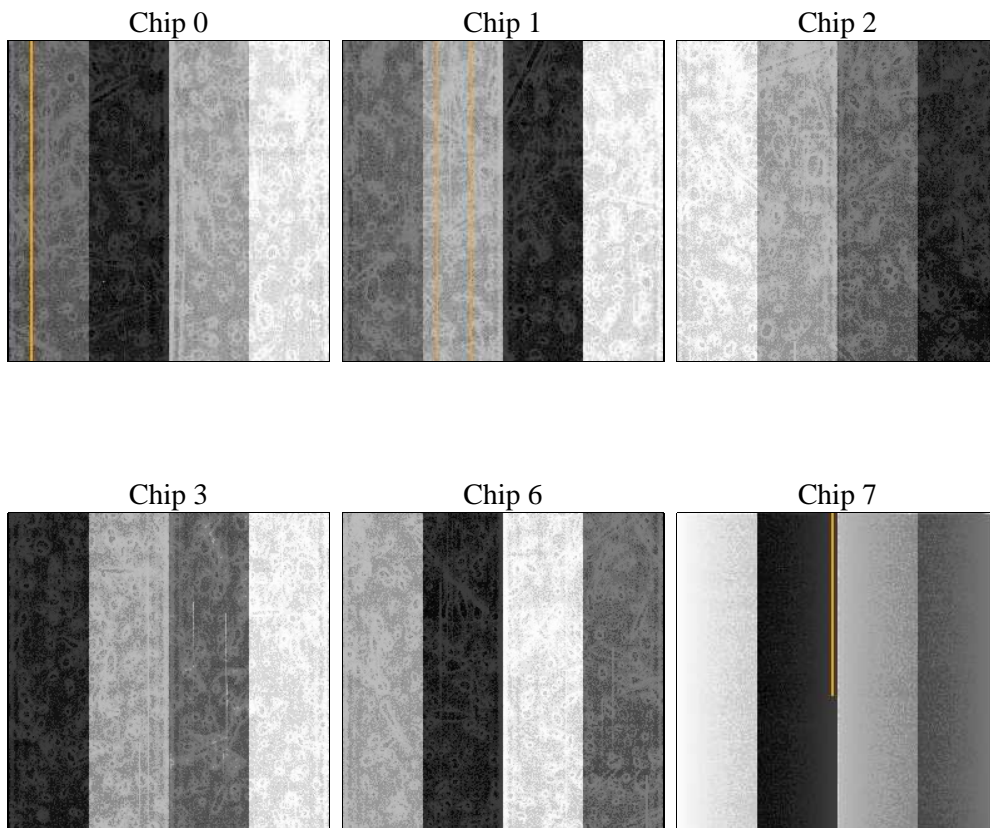
## 2 OBI

### 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	5415.6453622431	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime0	2317.2947425693	Sum of GTIs [s]
date	2012-09-02T09:51:14	Date and time of file creation	ontime1	2365.951103285	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	2210.3873598576	Sum of GTIs [s]
			ontime3	2271.8380927444	Sum of GTIs [s]
			ontime6	2504.9042465389	Sum of GTIs [s]
			ontime7	5415.6453622431	Sum of GTIs [s]
			l1events	1429842	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	191031	195957	186527	191034	217864	447429	grade 0 events	95280	98185	94119	96650	108411	109015
rejected events	17480	18014	17817	18265	19595	26773		49%	50%	50%	50%	49%	24%
rejected %	9%	9%	9%	9%	8%	5%	grade 1 events	490	479	492	536	480	296
								0%	0%	0%	0%	0%	0%
							grade 2 events	30835	31228	29314	30222	34334	93657
								16%	15%	15%	15%	15%	20%
							grade 3 events	11111	11508	10591	11020	12145	43166
								5%	5%	5%	5%	5%	9%
							grade 4 events	10975	11294	10620	10931	12233	42972
								5%	5%	5%	5%	5%	9%
							grade 5 events	1329	1446	1326	1314	1502	5948
								0%	0%	0%	0%	0%	1%
							grade 6 events	25350	25728	24066	23946	31146	131846
								13%	13%	12%	12%	14%	29%
							grade 7 events	15661	16089	15999	16415	17613	20529
								8%	8%	8%	8%	8%	4%

## 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	158.5129450217926
[deg] Pointing Dec	0	50.77751914403652
[deg] Pointing Roll	0.0	40.87679782017261
[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)	87488079.783068	87488079.01459999
Observation start date	2000-10-09T14:14:40	2000-10-09T14:14:39
[s] Observation end time (MET)	87537109.634922	87537108.866448
Observation end date	2000-10-10T03:51:50	2000-10-10T03:51:48
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)	2012.09.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.4156453622431

### **A.2 Comments**