

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61589 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Sep 18 2012

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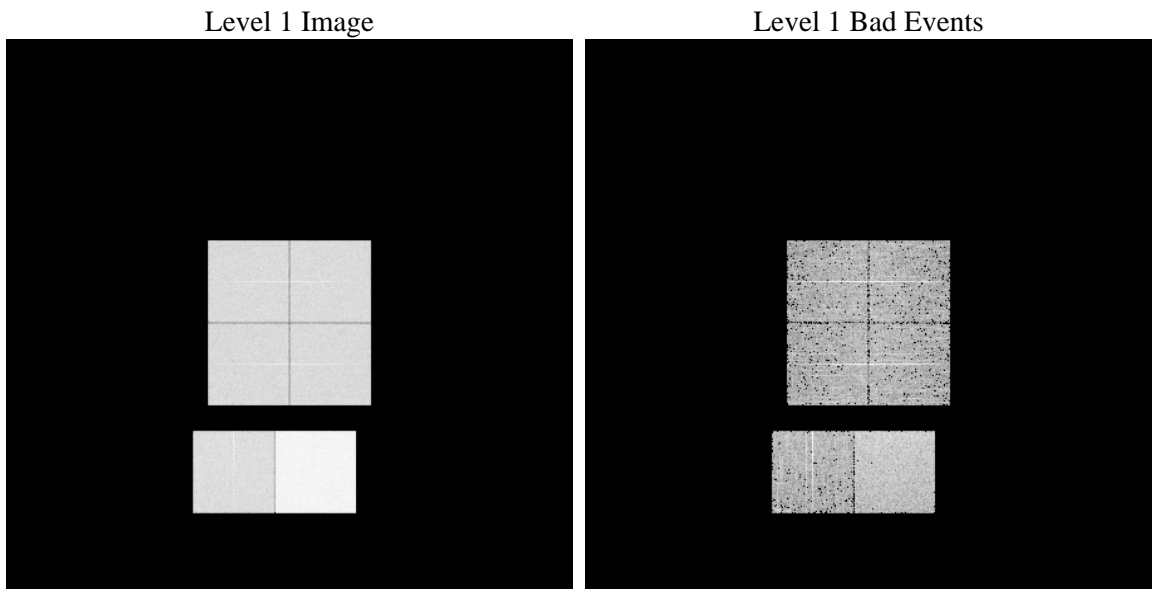
# 1 Front

seq_num	&#160	Sequence number
obs_id	61589	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	154.00185238784	Nominal RA [deg]
dec_nom	-24.028596129264	Nominal Dec [deg]
roll_nom	240.70943986639	Nominal Roll [deg]
revision	3	Processing version of data
ontime	6597.0947041959	Sum of GTIs [s]
livetime	6513.5583187578	Livetime [s]
ontime0	2664.131962359	Sum of GTIs [s]
ontime1	2688.387642011	Sum of GTIs [s]
ontime2	2565.1876504421	Sum of GTIs [s]
ontime3	2570.1419520974	Sum of GTIs [s]
ontime6	2803.4958844483	Sum of GTIs [s]
ontime7	6597.0947041959	Sum of GTIs [s]
l2events	1236399	Number of level 2 events

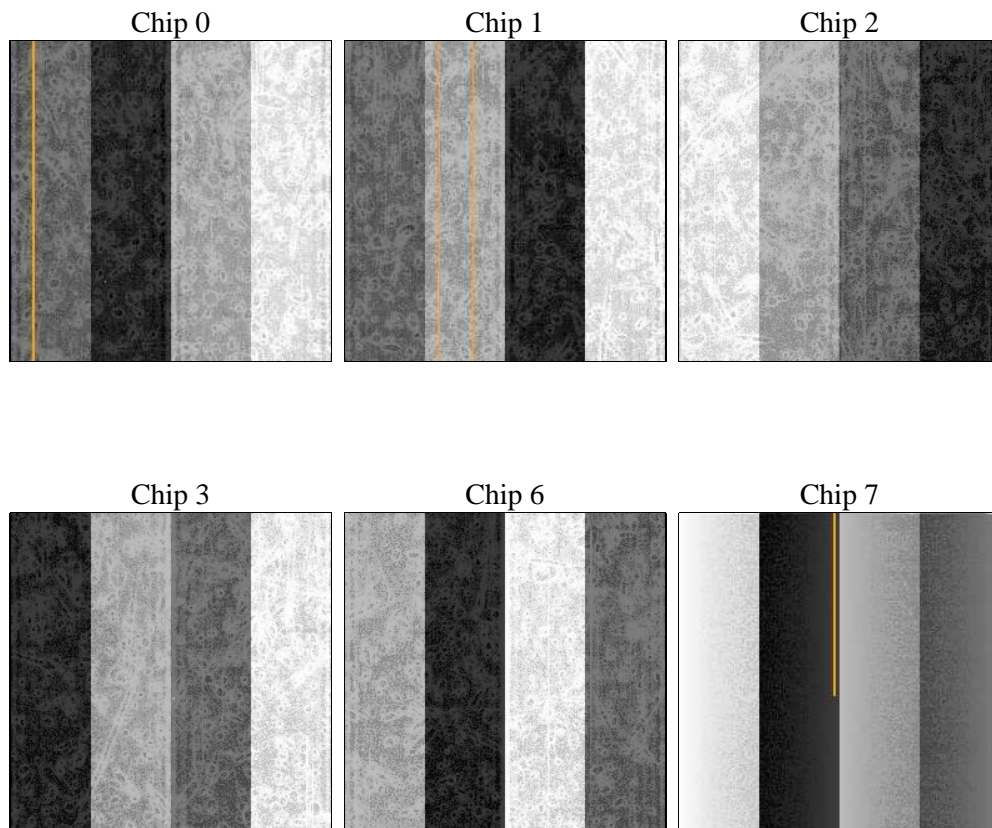
## 2 OBI

### 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	6597.0947041959	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime0	2664.131962359	Sum of GTIs [s]
date	2012-09-18T03:04:11	Date and time of file creation	ontime1	2688.387642011	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	2565.1876504421	Sum of GTIs [s]
			ontime3	2570.1419520974	Sum of GTIs [s]
			ontime6	2803.4958844483	Sum of GTIs [s]
			ontime7	6597.0947041959	Sum of GTIs [s]
			l1events	1427409	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	188240	190036	184810	185910	208781	469632	grade 0 events	92397	94382	91650	92510	101567	111445
rejected events	20104	20187	20712	21091	22035	35066		49%	49%	49%	49%	48%	23%
rejected %	10%	10%	11%	11%	10%	7%	grade 1 events	455	489	476	472	496	304
								0%	0%	0%	0%	0%	0%
							grade 2 events	29849	29770	28841	28746	32426	97040
								15%	15%	15%	15%	15%	20%
							grade 3 events	10622	10697	10549	10433	11739	44716
								5%	5%	5%	5%	5%	9%
							grade 4 events	10782	10644	10138	10451	11596	44238
								5%	5%	5%	5%	5%	9%
							grade 5 events	1488	1457	1413	1476	1609	7486
								0%	0%	0%	0%	0%	1%
							grade 6 events	24486	24567	23144	22679	29418	137127
								13%	12%	12%	12%	14%	29%
							grade 7 events	18161	18030	18599	19143	19930	27276
								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	154.0018523878434	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-24.0285961292636	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	240.70943986639			
[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)	108964632.959255	108964632.19079			
Observation start date	2001-06-15T03:57:13	2001-06-15T03:57:12			
[s] Observation end time (MET)	109001303.360684	109001302.59222			
Observation end date	2001-06-15T14:08:23	2001-06-15T14:08:22			
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)	2012.09.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.5970947041959

### A.2 Comments