

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61378 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Sep 29 2012

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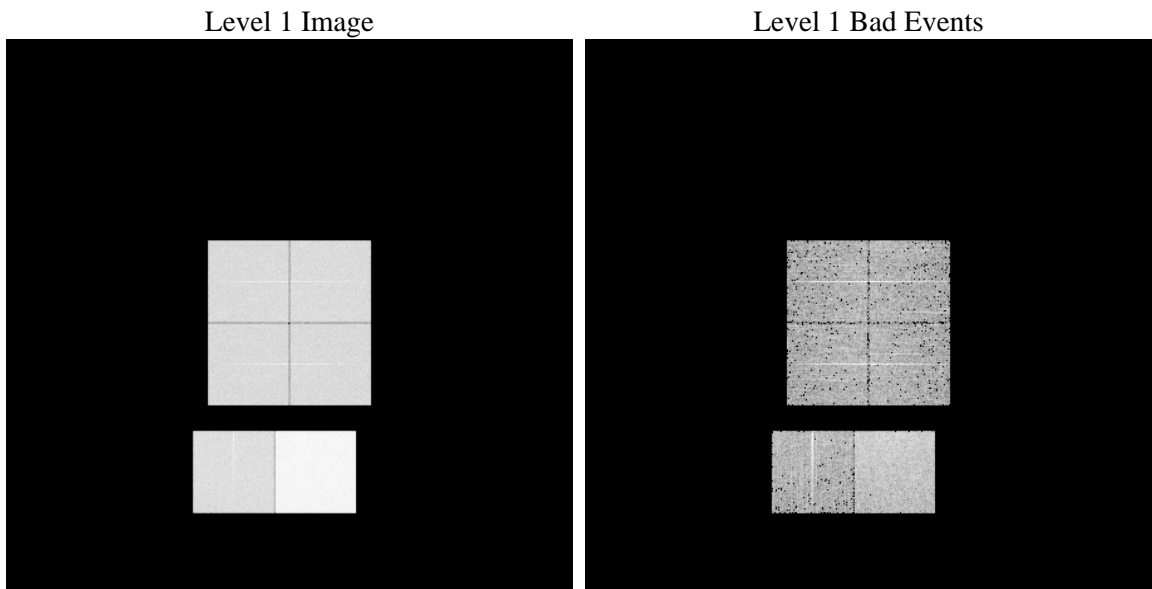
# 1 Front

seq_num	&#160	Sequence number
obs_id	61378	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	95.018790896665	Nominal RA [deg]
dec_nom	0.021549953394844	Nominal Dec [deg]
roll_nom	16.069265652588	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7492.2293403894	Sum of GTIs [s]
livetime	7397.3582212025	Livetime [s]
ontime0	2920.1733966023	Sum of GTIs [s]
ontime1	2978.5120369494	Sum of GTIs [s]
ontime2	2795.9167094678	Sum of GTIs [s]
ontime3	2790.5327134132	Sum of GTIs [s]
ontime6	3117.8765375018	Sum of GTIs [s]
ontime7	7492.2293403894	Sum of GTIs [s]
l2events	1220338	Number of level 2 events

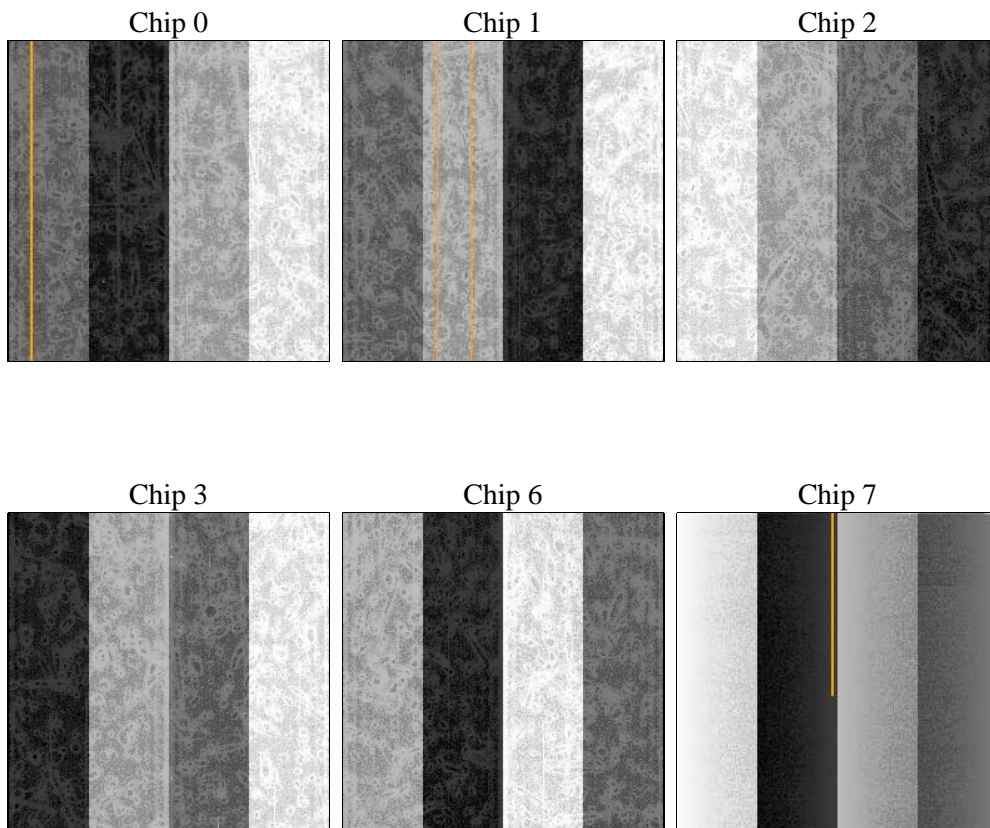
## 2 OBI

### 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	7492.2293403894	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime0	2920.1733966023	Sum of GTIs [s]
date	2012-09-29T11:16:27	Date and time of file creation	ontime1	2978.5120369494	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	2795.9167094678	Sum of GTIs [s]
			ontime3	2790.5327134132	Sum of GTIs [s]
			ontime6	3117.8765375018	Sum of GTIs [s]
			ontime7	7492.2293403894	Sum of GTIs [s]
			l1events	1422140	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	184538	188692	180317	179895	208970	479728	grade 0 events	89960	92409	87609	88046	100631	112582
rejected events	21001	21452	21987	21708	24350	40247		48%	48%	48%	48%	48%	23%
rejected %	11%	11%	12%	12%	11%	8%	grade 1 events	519	459	474	484	492	315
								0%	0%	0%	0%	0%	0%
							grade 2 events	28830	29636	28004	27827	31674	97461
								15%	15%	15%	15%	15%	20%
							grade 3 events	10352	10542	10015	9915	11628	44943
								5%	5%	5%	5%	5%	9%
							grade 4 events	10234	10580	10066	10064	11452	44134
								5%	5%	5%	5%	5%	9%
							grade 5 events	1529	1553	1415	1554	1761	8230
								0%	0%	0%	0%	0%	1%
							grade 6 events	24161	24073	22636	22335	29235	140361
								13%	12%	12%	12%	13%	29%
							grade 7 events	18953	19440	20098	19670	22097	31702
								10%	10%	11%	10%	10%	6%

## 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	95.01879089666518
[deg] Pointing Dec	0	0.02154995339484418
[deg] Pointing Roll	0.0	16.06926565258847
[mm] SIM focus pos	-0.782348	-0.6828225247311905
[mm] SIM defocus	0	0.8505141146731063
[mm] SIM translation stage pos	-233.592463	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	125186560.351	125186559.58247
Observation start date	2001-12-19T22:02:40	2001-12-19T22:02:39
[s] Observation end time (MET)	125198790.651	125198789.88296
Observation end date	2001-12-20T01:26:31	2001-12-20T01:26:29
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	0.000000	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)	2012.10.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.4922293403894

### A.2 Comments