

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 62145 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Aug 23 2012

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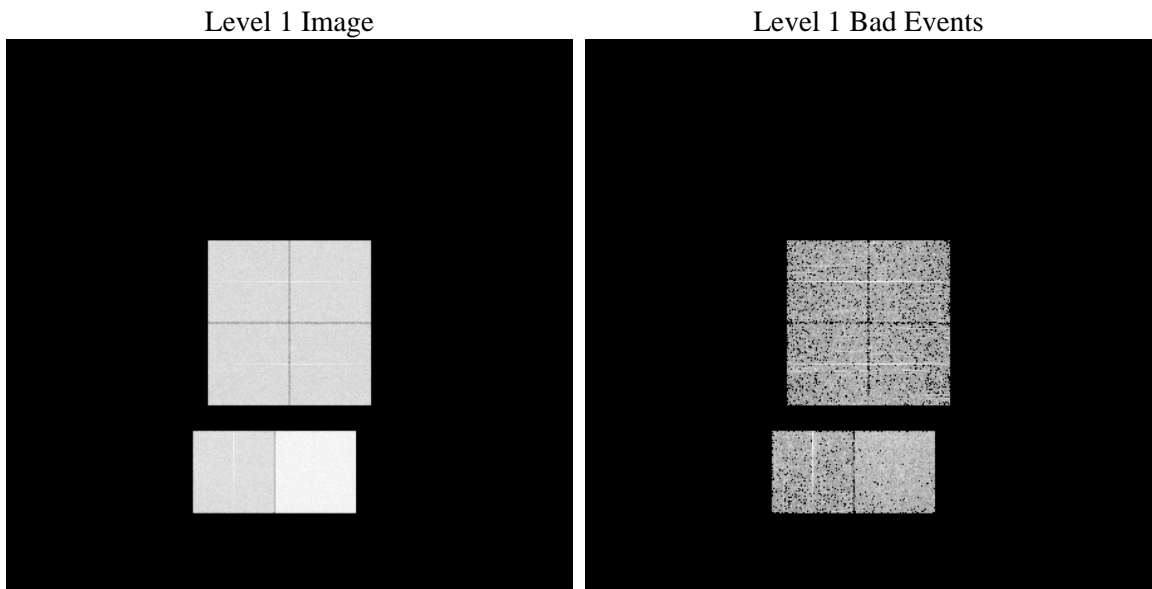
# 1 Front

seq_num	&#160	Sequence number
obs_id	62145	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	15.920654680611	Nominal RA [deg]
dec_nom	79.955747242872	Nominal Dec [deg]
roll_nom	325.07928565921	Nominal Roll [deg]
revision	4	Processing version of data
ontime	3520.0027480572	Sum of GTIs [s]
livetime	3475.4303537702	Livetime [s]
ontime0	1451.5424861014	Sum of GTIs [s]
ontime1	1483.9939559251	Sum of GTIs [s]
ontime2	1399.7679561526	Sum of GTIs [s]
ontime3	1396.3628059924	Sum of GTIs [s]
ontime6	1565.1018462777	Sum of GTIs [s]
ontime7	3520.0027480572	Sum of GTIs [s]
l2events	930304	Number of level 2 events

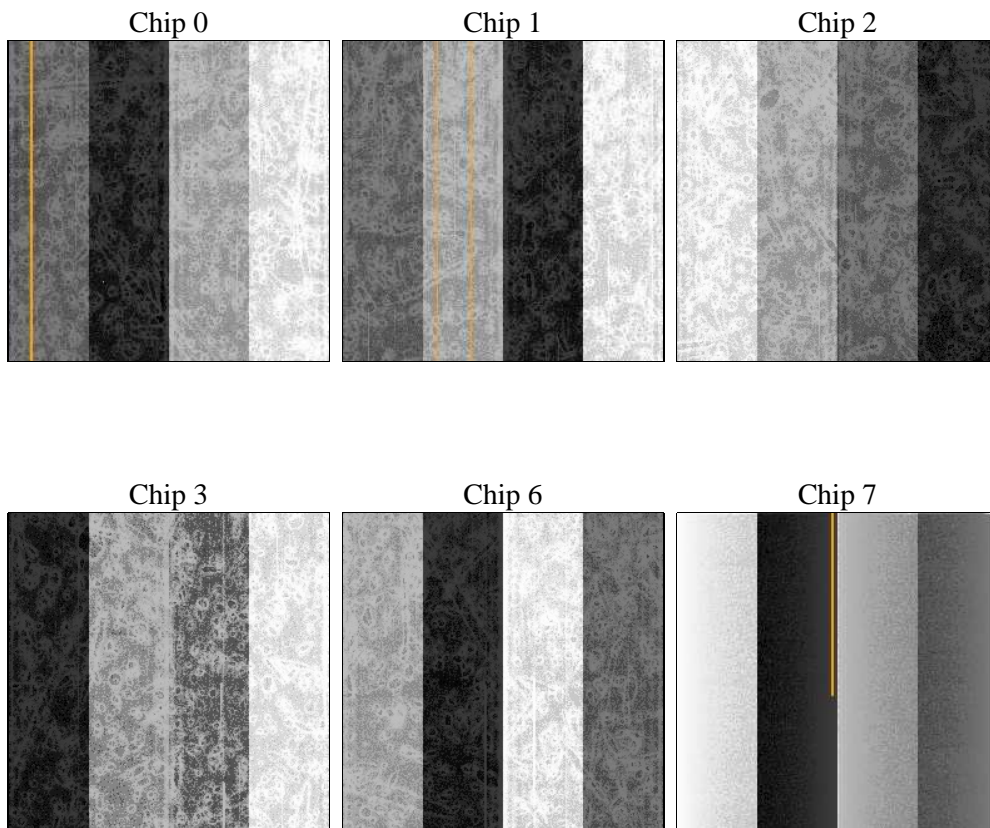
## 2 OBI

### 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	3520.0027480572	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime0	1451.5424861014	Sum of GTIs [s]
date	2012-08-23T17:37:49	Date and time of file creation	ontime1	1483.9939559251	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	1399.7679561526	Sum of GTIs [s]
			ontime3	1396.3628059924	Sum of GTIs [s]
			ontime6	1565.1018462777	Sum of GTIs [s]
			ontime7	3520.0027480572	Sum of GTIs [s]
			l1events	1061507	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	140328	143577	137951	137539	159569	342543	grade 0 events	69513	71929	68968	68620	78629	83583
rejected events	14067	13966	14563	14419	15481	20411		49%	50%	49%	49%	49%	24%
rejected %	10%	9%	10%	10%	9%	5%	grade 1 events	441	413	429	443	425	230
								0%	0%	0%	0%	0%	0%
							grade 2 events	22337	22475	21625	21528	24929	71665
								15%	15%	15%	15%	15%	20%
							grade 3 events	7990	8264	7732	7726	8857	33280
								5%	5%	5%	5%	5%	9%
							grade 4 events	7971	8055	7733	7957	8916	32967
								5%	5%	5%	5%	5%	9%
							grade 5 events	1088	1039	1007	1023	1219	4567
								0%	0%	0%	0%	0%	1%
							grade 6 events	18450	18888	17606	17289	22757	101261
								13%	13%	12%	12%	14%	29%
							grade 7 events	12538	12514	12851	12953	13837	14990
								8%	8%	9%	9%	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	15.92065468061148
[deg] Pointing Dec	0	79.95574724287185
[deg] Pointing Roll	0.0	325.0792856592102
[mm] SIM focus pos	-0.782348	-0.7809083437167272
[mm] SIM defocus	0	0.7524282956875696
[mm] SIM translation stage pos	-233.592463	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	68119951.716426	68119950.94796
Observation start date	2000-02-28T10:12:32	2000-02-28T10:12:30
[s] Observation end time (MET)	68127251.766692	68127250.998226
Observation end date	2000-02-28T12:14:12	2000-02-28T12:14:10
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.08.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.5200027480572

### A.2 Comments