

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 62140 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Aug 23 2012

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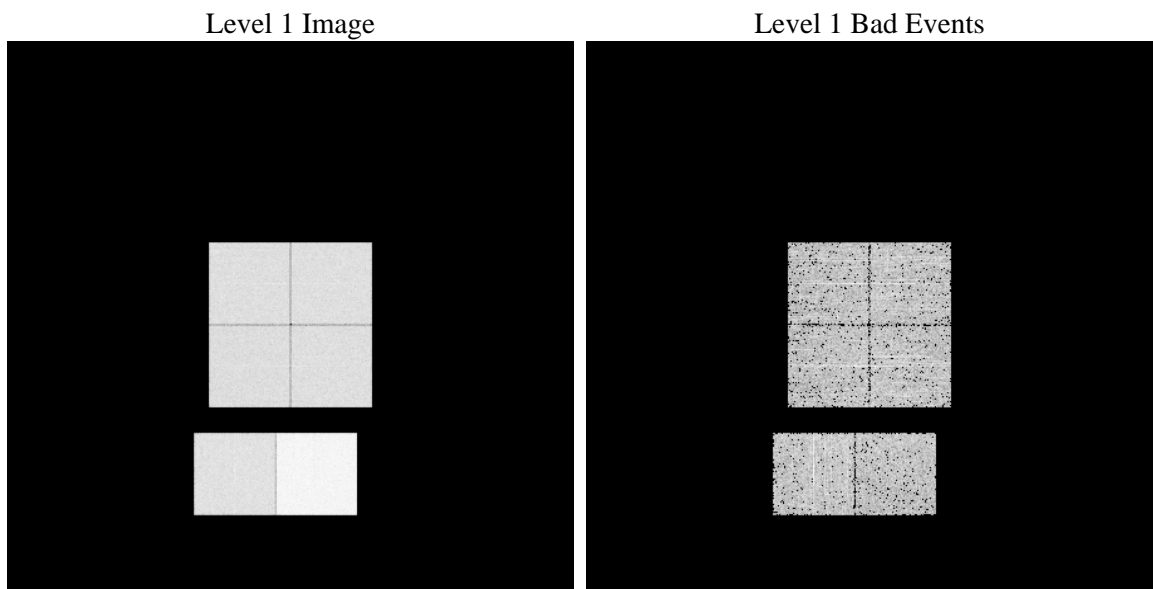
# 1 Front

seq_num	&#160	Sequence number
obs_id	62140	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	71.022721246276	Nominal RA [deg]
dec_nom	35.727848460856	Nominal Dec [deg]
roll_nom	277.61851845045	Nominal Roll [deg]
revision	4	Processing version of data
ontime	3366.4957320541	Sum of GTIs [s]
livetime	3352.597690718	Livetime [s]
ontime0	1587.2303757668	Sum of GTIs [s]
ontime1	1598.2971547842	Sum of GTIs [s]
ontime2	1497.678796038	Sum of GTIs [s]
ontime3	1547.3429560959	Sum of GTIs [s]
ontime6	1628.120274812	Sum of GTIs [s]
ontime7	3366.4957320541	Sum of GTIs [s]
l2events	914319	Number of level 2 events

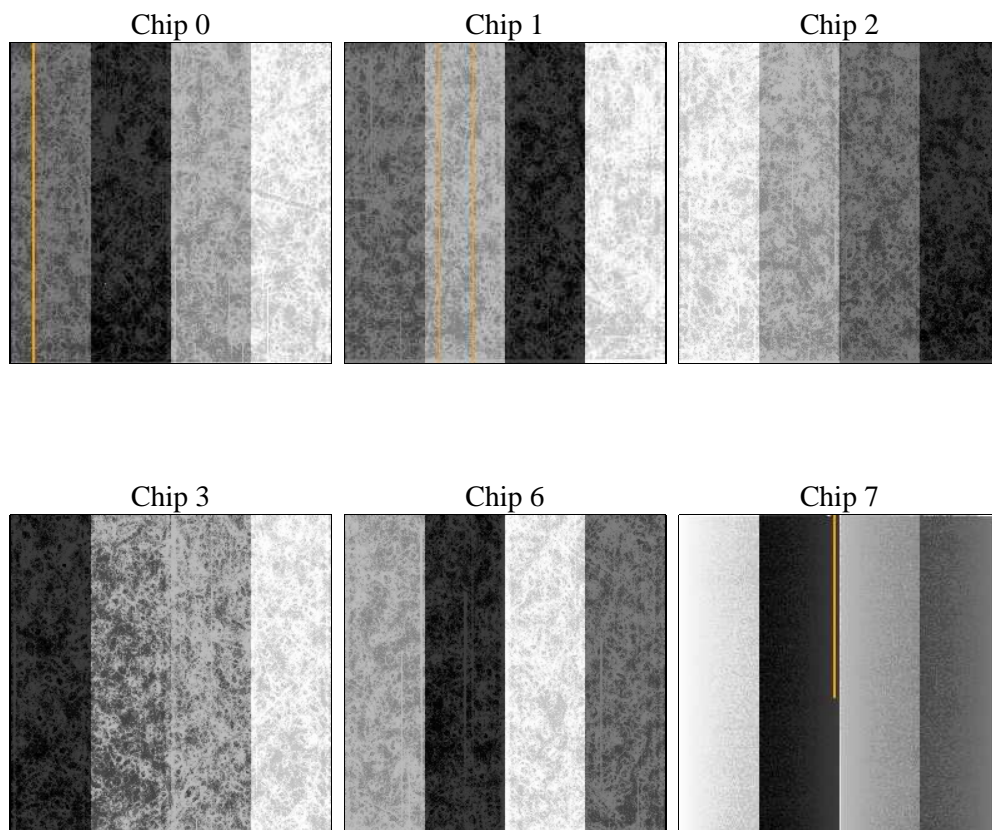
## 2 OBI

### 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	3366.4957320541	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime0	1587.2303757668	Sum of GTIs [s]
date	2012-08-23T19:43:50	Date and time of file creation	ontime1	1598.2971547842	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	1497.678796038	Sum of GTIs [s]
			ontime3	1547.3429560959	Sum of GTIs [s]
			ontime6	1628.120274812	Sum of GTIs [s]
			ontime7	3366.4957320541	Sum of GTIs [s]
			l1events	1051167	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	144612	147061	138419	144309	158307	318459	grade 0 events	70672	71758	67683	70271	75802	79501
rejected events	15493	16818	15603	16806	18203	15067		48%	48%	48%	48%	47%	24%
rejected %	10%	11%	11%	11%	11%	4%	grade 1 events	981	927	932	988	1031	439
								0%	0%	0%	0%	0%	0%
							grade 2 events	22412	22759	21412	22257	24482	67901
								15%	15%	15%	15%	15%	21%
							grade 3 events	8330	8417	7863	8277	8989	31541
								5%	5%	5%	5%	5%	9%
							grade 4 events	8352	8587	7774	8292	8802	31094
								5%	5%	5%	5%	5%	9%
							grade 5 events	1547	1525	1431	1456	1625	4166
								1%	1%	1%	1%	1%	1%
							grade 6 events	19353	19559	18084	18406	22878	93355
								13%	13%	13%	12%	14%	29%
							grade 7 events	12965	13529	13240	14362	14698	10462
								8%	9%	9%	9%	9%	3%

## 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	71.02272124627578
[deg] Pointing Dec	0	35.72784846085626
[deg] Pointing Roll	0.0	277.6185184504546
[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)	68519709.93101799	68519709.162552
Observation start date	2000-03-04T01:15:10	2000-03-04T01:15:09
[s] Observation end time (MET)	68527452.78130101	68527452.012835
Observation end date	2000-03-04T03:24:13	2000-03-04T03:24:12
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	9.9	9.9

## 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	3.3664957320541

### **A.2 Comments**