

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 60134 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 3 2012

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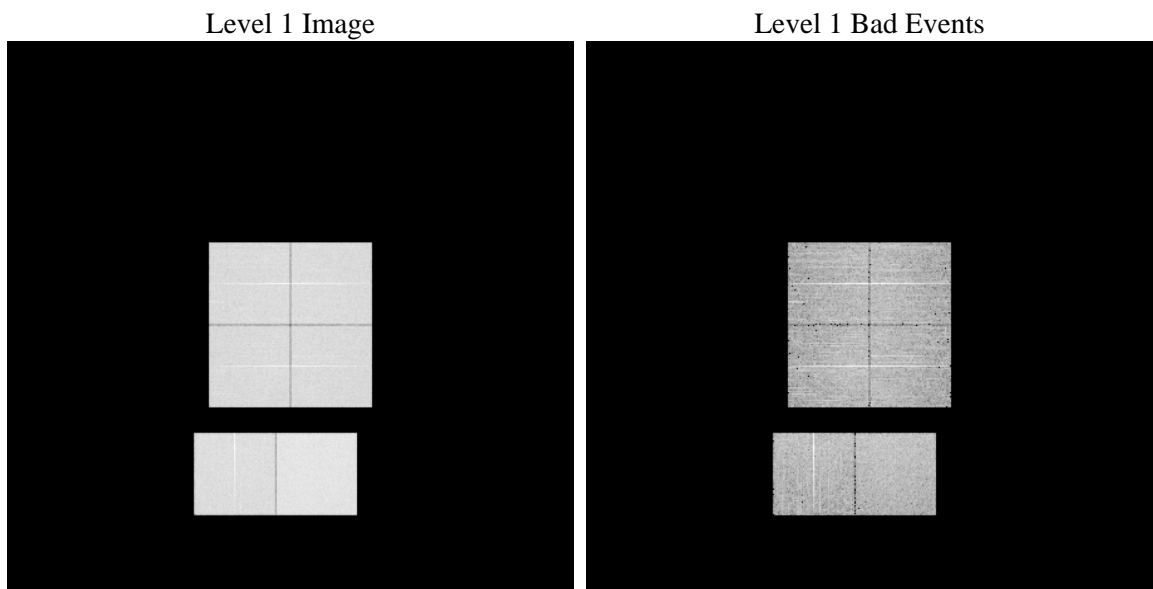
# 1 Front

seq_num	&#160	Sequence number
obs_id	60134	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	284.00002187049	Nominal RA [deg]
dec_nom	-15.027282868609	Nominal Dec [deg]
roll_nom	230.99559974815	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8277.9944754243	Sum of GTIs [s]
livetime	8173.1735249666	Livetime [s]
ontime0	6440.3215540648	Sum of GTIs [s]
ontime1	6495.377048105	Sum of GTIs [s]
ontime2	6142.069748491	Sum of GTIs [s]
ontime3	6177.8835161626	Sum of GTIs [s]
ontime6	6731.8857117593	Sum of GTIs [s]
ontime7	8277.9944754243	Sum of GTIs [s]
l2events	1160373	Number of level 2 events

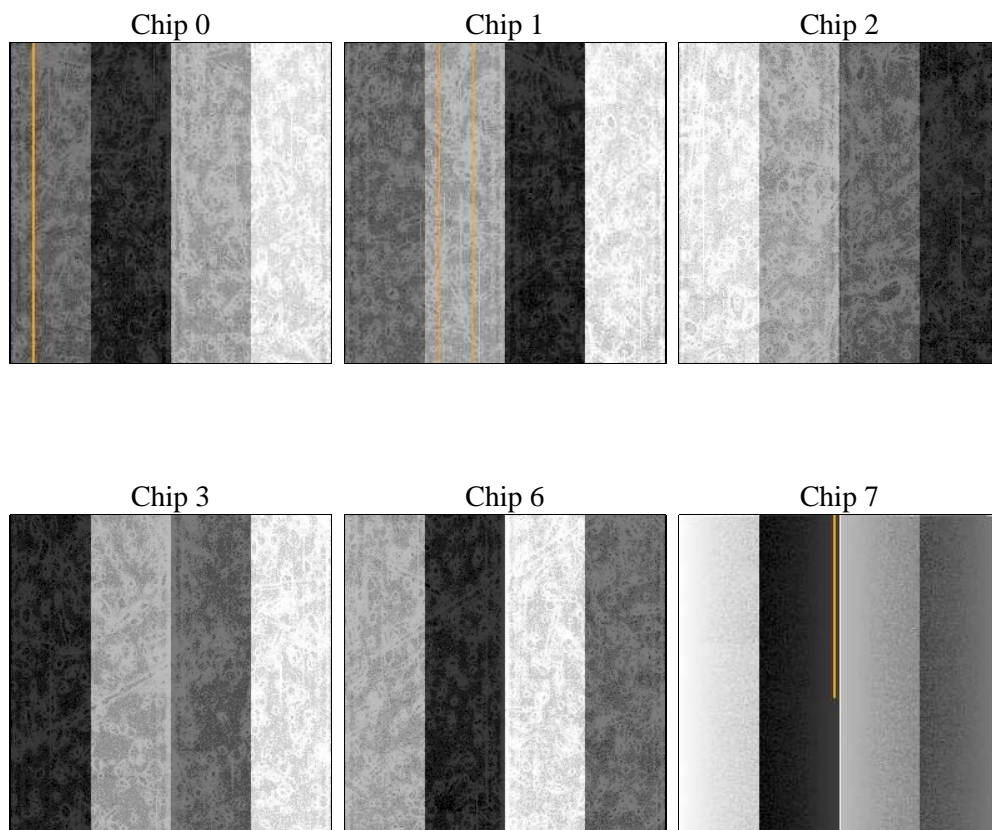
## 2 OBI

### 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	8277.9944754243	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime0	6440.3215540648	Sum of GTIs [s]
date	2012-12-04T00:19:35	Date and time of file creation	ontime1	6495.377048105	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	6142.069748491	Sum of GTIs [s]
			ontime3	6177.8835161626	Sum of GTIs [s]
			ontime6	6731.8857117593	Sum of GTIs [s]
			ontime7	8277.9944754243	Sum of GTIs [s]
			l1events	1499114	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	232847	236309	227074	228586	255936	318362	grade 0 events	103756	104166	101701	103363	112436	64376
rejected events	44935	45629	45951	44946	49132	51084		44%	44%	44%	45%	43%	20%
rejected %	19%	19%	20%	19%	19%	16%	grade 1 events	583	565	628	666	566	209
								0%	0%	0%	0%	0%	0%
							grade 2 events	32676	34161	30266	31052	35609	58770
								14%	14%	13%	13%	13%	18%
							grade 3 events	12028	12086	11916	12097	12934	26622
								5%	5%	5%	5%	5%	8%
							grade 4 events	12257	12162	11798	12057	12763	26325
								5%	5%	5%	5%	4%	8%
							grade 5 events	2849	2916	2706	2930	3195	9015
								1%	1%	1%	1%	1%	2%
							grade 6 events	27281	28205	25524	25167	33169	91299
								11%	11%	11%	11%	12%	28%
							grade 7 events	41417	42048	42535	41254	45264	41746
								17%	17%	18%	18%	17%	13%

## 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	284.0000218704872
[deg] Pointing Dec	0	-15.02728286860854
[deg] Pointing Roll	0.0	230.9955997481479
[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)	206112917.524579	206112916.4996
Observation start date	2004-07-13T13:35:18	2004-07-13T13:35:16
[s] Observation end time (MET)	206125295.425127	206125294.40014
Observation end date	2004-07-13T17:01:35	2004-07-13T17:01:34
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)	2012.12.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2779944754243

### A.2 Comments