

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55139 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 24 2012

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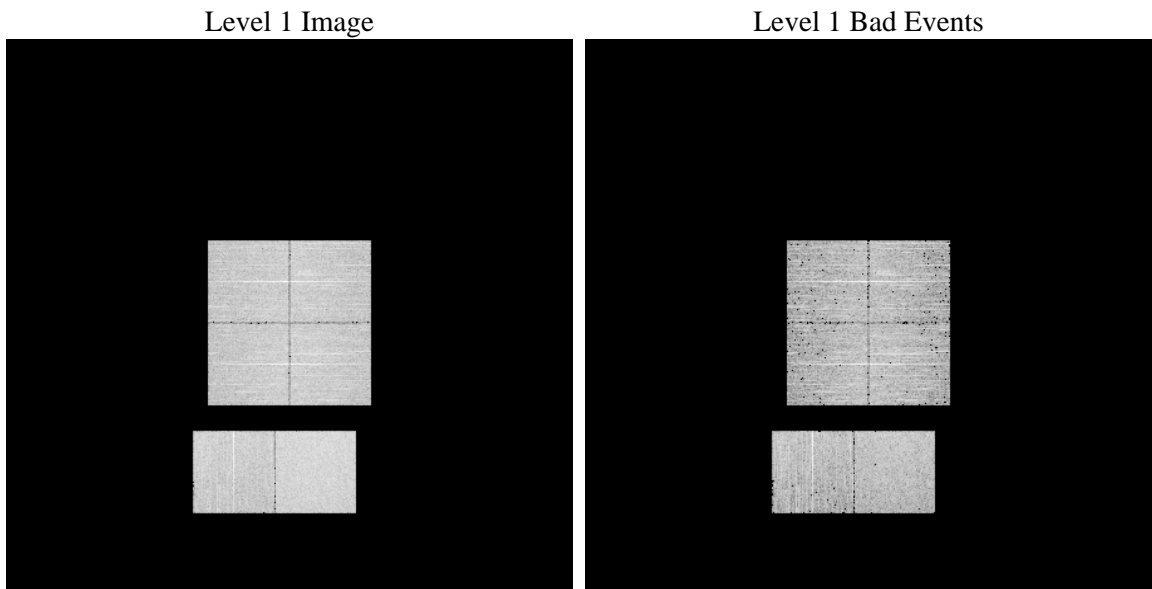
# 1 Front

seq_num	&#160	Sequence number
obs_id	55139	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	4.0289955849637	Nominal RA [deg]
dec_nom	-7.0002859172053	Nominal Dec [deg]
roll_nom	326.60768614836	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5961.5999778509	Sum of GTIs [s]
livetime	5886.1106092868	Livetime [s]
ontime0	5961.5999778509	Sum of GTIs [s]
ontime1	5961.5999778509	Sum of GTIs [s]
ontime2	5961.5999778509	Sum of GTIs [s]
ontime3	5961.5999778509	Sum of GTIs [s]
ontime6	5961.5999778509	Sum of GTIs [s]
ontime7	5961.5999778509	Sum of GTIs [s]
l2events	208774	Number of level 2 events

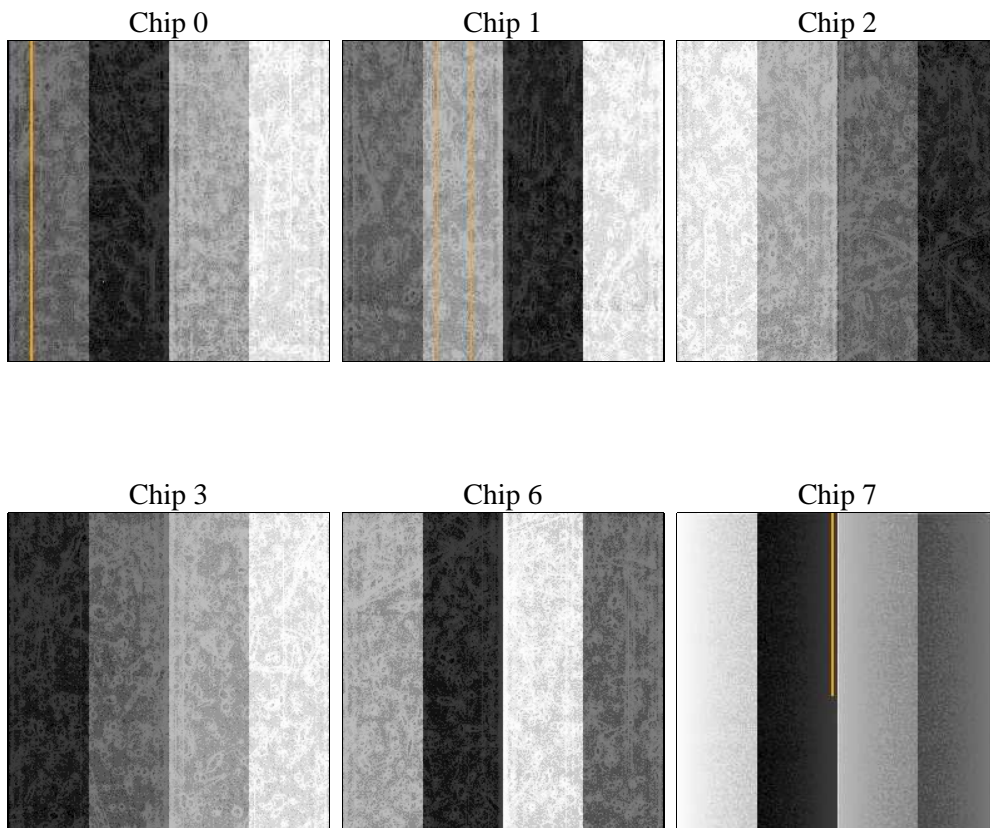
## 2 OBI

### 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	8.4.3	Processing system revision	ontime	5961.5999778509	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	5961.5999778509	Sum of GTIs [s]
date	2012-02-24T06:52:21	Date and time of file creation	ontime1	5961.5999778509	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5961.5999778509	Sum of GTIs [s]
			ontime3	5961.5999778509	Sum of GTIs [s]
			ontime6	5961.5999778509	Sum of GTIs [s]
			ontime7	5961.5999778509	Sum of GTIs [s]
			l1events	441055	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	67592	68929	67411	71383	72880	92860	grade 0 events	17418	17269	17812	17815	17474	9294
rejected events	34257	35199	34259	38262	38826	39428		25%	25%	26%	24%	23%	10%
rejected %	50%	51%	50%	53%	53%	42%	grade 1 events	102	82	113	120	94	60
								0%	0%	0%	0%	0%	0%
							grade 2 events	6308	6520	5845	5854	6353	11611
								9%	9%	8%	8%	8%	12%
							grade 3 events	2222	2233	2300	2281	2251	4818
								3%	3%	3%	3%	3%	5%
							grade 4 events	2305	2211	2269	2286	2275	4778
								3%	3%	3%	3%	3%	5%
							grade 5 events	2276	2269	2255	2577	2547	6371
								3%	3%	3%	3%	3%	6%
							grade 6 events	5082	5497	4926	4885	5719	22931
								7%	7%	7%	6%	7%	24%
							grade 7 events	31879	32848	31891	35565	36167	32997
								47%	47%	47%	49%	49%	35%

## 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	4.028995584963695
[deg] Pointing Dec	0	-7.000285917205264
[deg] Pointing Roll	0.0	326.6076861483605
[mm] SIM focus pos	-1.429586	-1.428180813131781
[mm] SIM defocus	0.1037507710433287	0.1051558262725154
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	434316615.091295	434316614.0663
Observation start date	2011-10-06T19:30:15	2011-10-06T19:30:14
[s] Observation end time (MET)	434329564.941974	434329563.91698
Observation end date	2011-10-06T23:06:05	2011-10-06T23:06:03
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
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)	2012.02.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.9615999778509

### A.2 Comments