

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55047 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 27 2012

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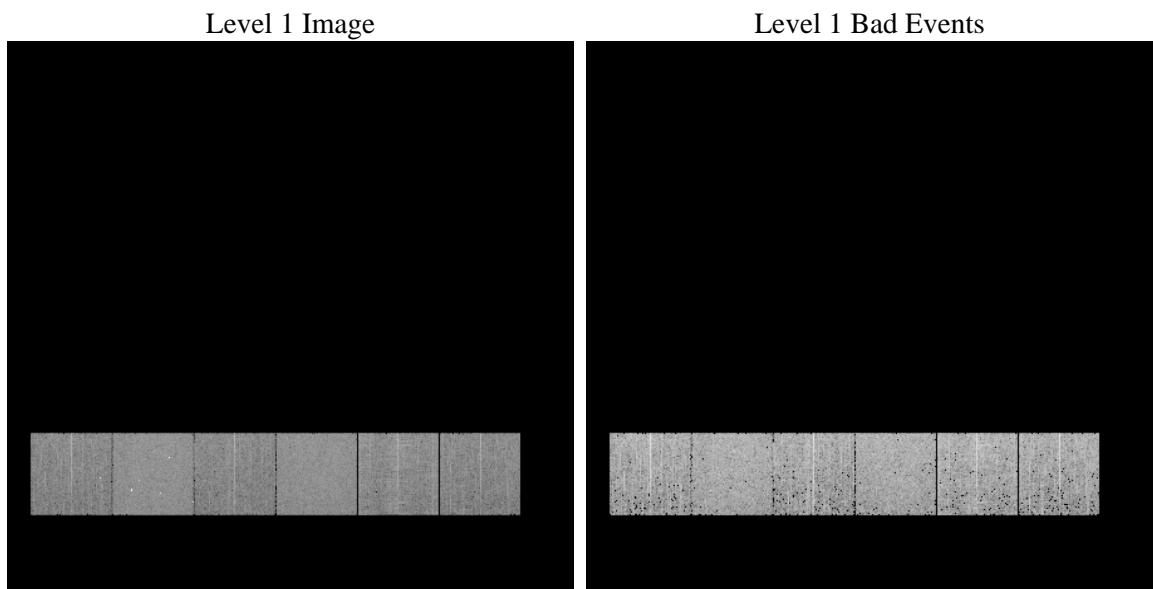
# 1 Front

seq_num	&#160	Sequence number
obs_id	55047	Observation id
title	ACIS-456789 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	29.001364326837	Nominal RA [deg]
dec_nom	37.971226059412	Nominal Dec [deg]
roll_nom	239.2683635371	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4127.5050035715	Sum of GTIs [s]
livetime	4075.2400499312	Livetime [s]
ontime4	4127.3818835616	Sum of GTIs [s]
ontime5	4127.4639635682	Sum of GTIs [s]
ontime6	4124.1818832159	Sum of GTIs [s]
ontime7	4127.5050035715	Sum of GTIs [s]
ontime8	4127.3408435583	Sum of GTIs [s]
ontime9	4127.5460435748	Sum of GTIs [s]
l2events	158860	Number of level 2 events

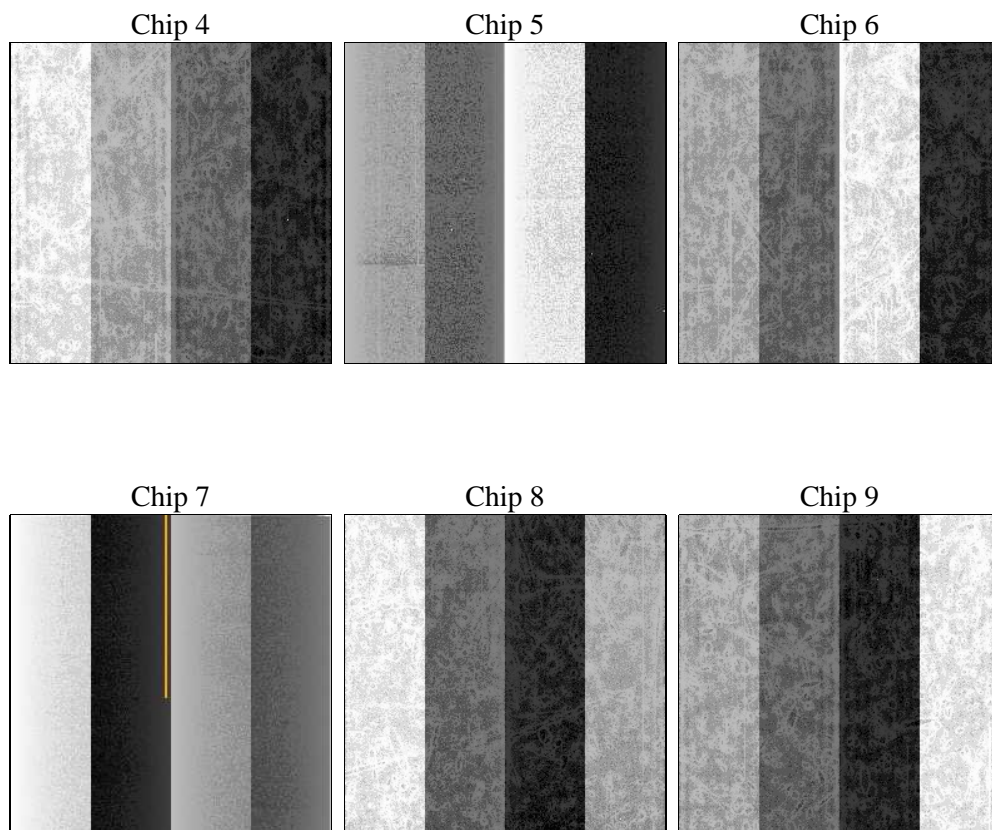
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	4127.5050035715	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime4	4127.3818835616	Sum of GTIs [s]
date	2012-02-27T11:43:02	Date and time of file creation	ontime5	4127.4639635682	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	4124.1818832159	Sum of GTIs [s]
			ontime7	4127.5050035715	Sum of GTIs [s]
			ontime8	4127.3408435583	Sum of GTIs [s]
			ontime9	4127.5460435748	Sum of GTIs [s]
			l1events	354956	Number of level 1 events

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	52208	71663	51659	67147	61070	51209	grade 0 events	13021	6424	12009	6266	13755	11844
rejected events	29431	30201	28348	29625	32359	28540		24%	8%	23%	9%	22%	23%
rejected %	56%	42%	54%	44%	52%	55%	grade 1 events	115	136	59	68	94	76
								0%	0%	0%	0%	0%	0%
							grade 2 events	3680	14585	4316	8180	5446	3997
								7%	20%	8%	12%	8%	7%
							grade 3 events	1529	1599	1520	3456	2224	1618
								2%	2%	2%	5%	3%	3%
							grade 4 events	1574	1640	1424	3279	2121	1510
								3%	2%	2%	4%	3%	2%
							grade 5 events	1756	3946	1813	4644	2442	2129
								3%	5%	3%	6%	3%	4%
							grade 6 events	2994	17214	4066	16341	5177	3700
								5%	24%	7%	24%	8%	7%
							grade 7 events	27539	26119	26452	24913	29811	26335
								52%	36%	51%	37%	48%	51%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	29.00136432683734	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	37.97122605941213	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	239.2683635371032	[s] Primary exposure time	3.2	3.2
[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)	438202019.032966	438202018.00795			
Observation start date	2011-11-20T18:46:59	2011-11-20T18:46:58			
[s] Observation end time (MET)	438218919.233857	438218918.20884			
Observation end date	2011-11-20T23:28:39	2011-11-20T23:28:38			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.1275050035715

### A.2 Comments