

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 54862 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Feb 12 2012

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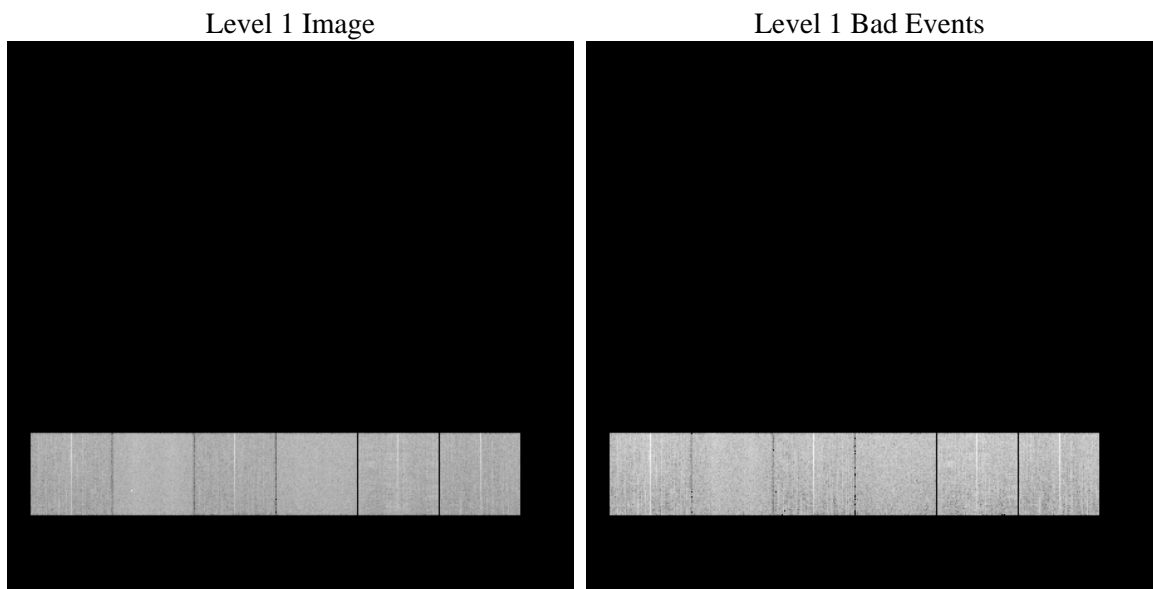
# 1 Front

seq_num	&#160	Sequence number
obs_id	54862	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	170.97900492054	Nominal RA [deg]
dec_nom	19.019174815617	Nominal Dec [deg]
roll_nom	96.160737283558	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8278.3999692202	Sum of GTIs [s]
livetime	8173.5738841559	Livetime [s]
ontime4	8278.3999692202	Sum of GTIs [s]
ontime5	8278.3999692202	Sum of GTIs [s]
ontime6	8278.3999692202	Sum of GTIs [s]
ontime7	8278.3999692202	Sum of GTIs [s]
ontime8	8278.3999692202	Sum of GTIs [s]
ontime9	8278.3999692202	Sum of GTIs [s]
l2events	294635	Number of level 2 events

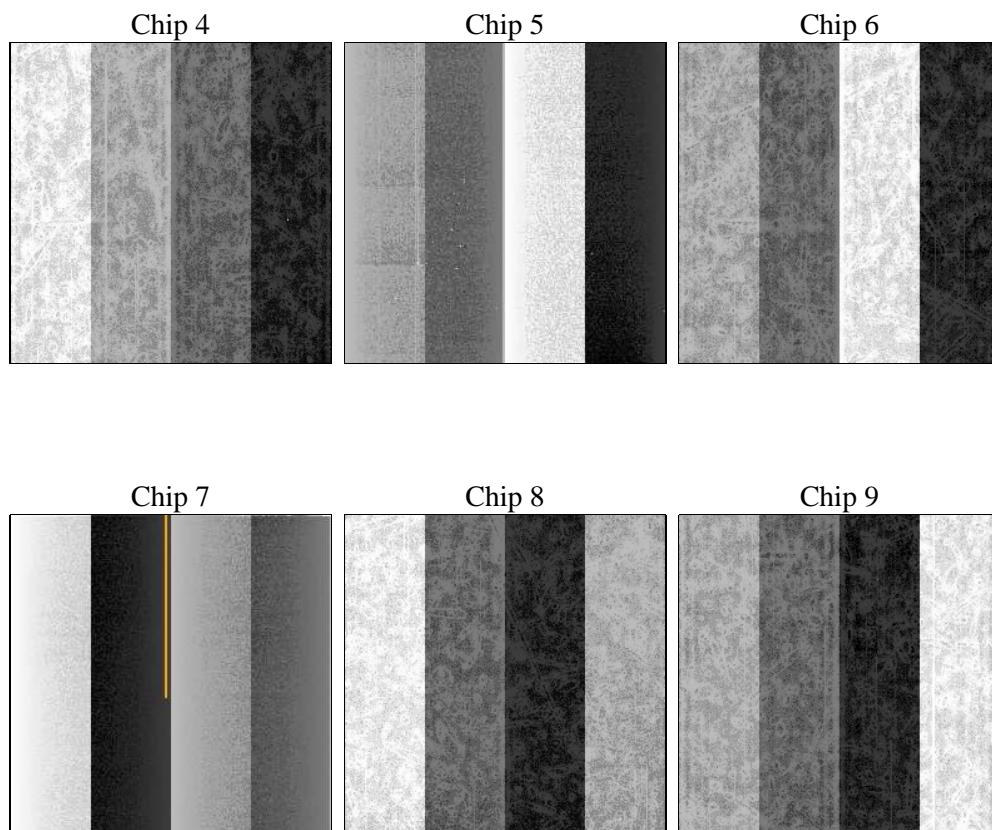
## 2 OBI

### 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	8278.3999692202	Sum of GTIs [s]
caldsver	4.4.7	&#160	ontime4	8278.3999692202	Sum of GTIs [s]
date	2012-02-12T13:00:45	Date and time of file creation	ontime5	8278.3999692202	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8278.3999692202	Sum of GTIs [s]
			ontime7	8278.3999692202	Sum of GTIs [s]
			ontime8	8278.3999692202	Sum of GTIs [s]
			ontime9	8278.3999692202	Sum of GTIs [s]
			l1events	695213	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	104833	135326	102499	128231	121945	102379	grade 0 events	23137	6324	19392	10240	24752	21339
rejected events	64499	62031	59394	59014	68261	60722		22%	4%	18%	7%	20%	20%
rejected %	61%	45%	57%	46%	55%	59%	grade 1 events	202	175	96	108	124	133
								0%	0%	0%	0%	0%	0%
							grade 2 events	6187	27310	10786	15561	10969	7844
								5%	20%	10%	12%	8%	7%
							grade 3 events	2945	2378	2489	5594	3849	2878
								2%	1%	2%	4%	3%	2%
							grade 4 events	2818	2273	2409	5339	3760	2732
								2%	1%	2%	4%	3%	2%
							grade 5 events	3356	6571	3160	8136	4439	3841
								3%	4%	3%	6%	3%	3%
							grade 6 events	5258	35045	8040	32504	10370	6878
								5%	25%	7%	25%	8%	6%
							grade 7 events	60930	55250	56127	50749	63682	56734
								58%	40%	54%	39%	52%	55%

## 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	170.9790049205387	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	19.01917481561705	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	96.16073728355769	[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)	445311979.058452	445311978.03345			
Observation start date	2012-02-11T01:46:19	2012-02-11T01:46:18			
[s] Observation end time (MET)	445324147.859096	445324146.8341			
Observation end date	2012-02-11T05:09:08	2012-02-11T05:09:06			
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)	2012.02.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2783999692202

### A.2 Comments