

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 54904 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Jan 31 2012

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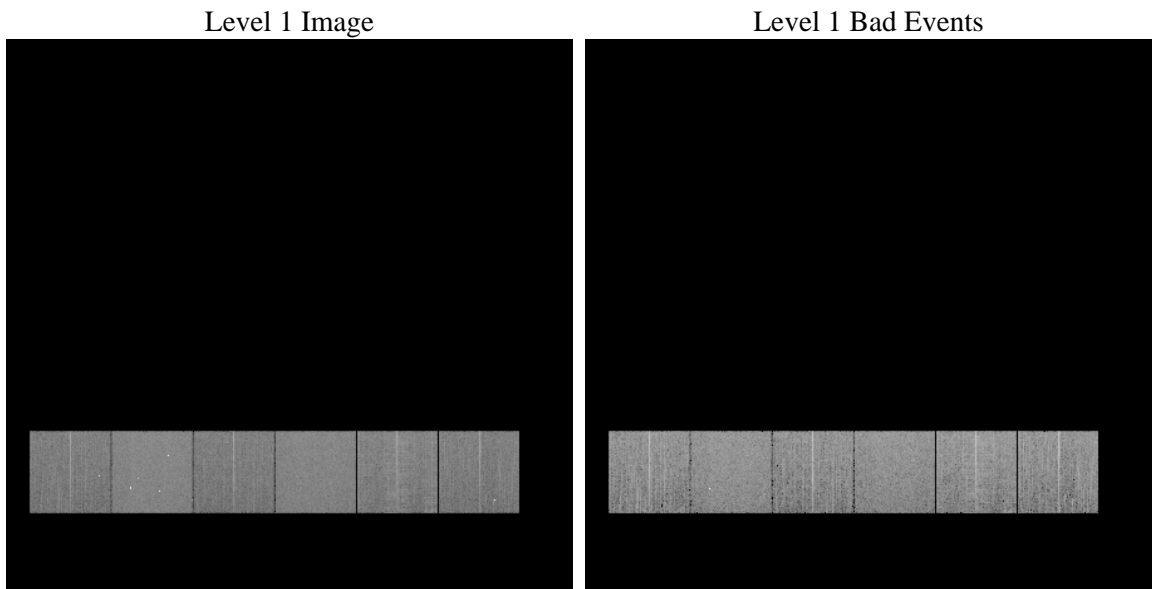
# 1 Front

seq_num	&#160	Sequence number
obs_id	54904	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtycycle	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	156.47481342824	Nominal RA [deg]
dec_nom	40.949309665279	Nominal Dec [deg]
roll_nom	131.93041304703	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8232.4512185454	Sum of GTIs [s]
livetime	8128.2069642292	Livetime [s]
ontime4	8232.3280985355	Sum of GTIs [s]
ontime5	8232.4101785421	Sum of GTIs [s]
ontime6	8232.3691385388	Sum of GTIs [s]
ontime7	8232.4512185454	Sum of GTIs [s]
ontime8	8232.2870585322	Sum of GTIs [s]
ontime9	8232.4922585487	Sum of GTIs [s]
l2events	299477	Number of level 2 events

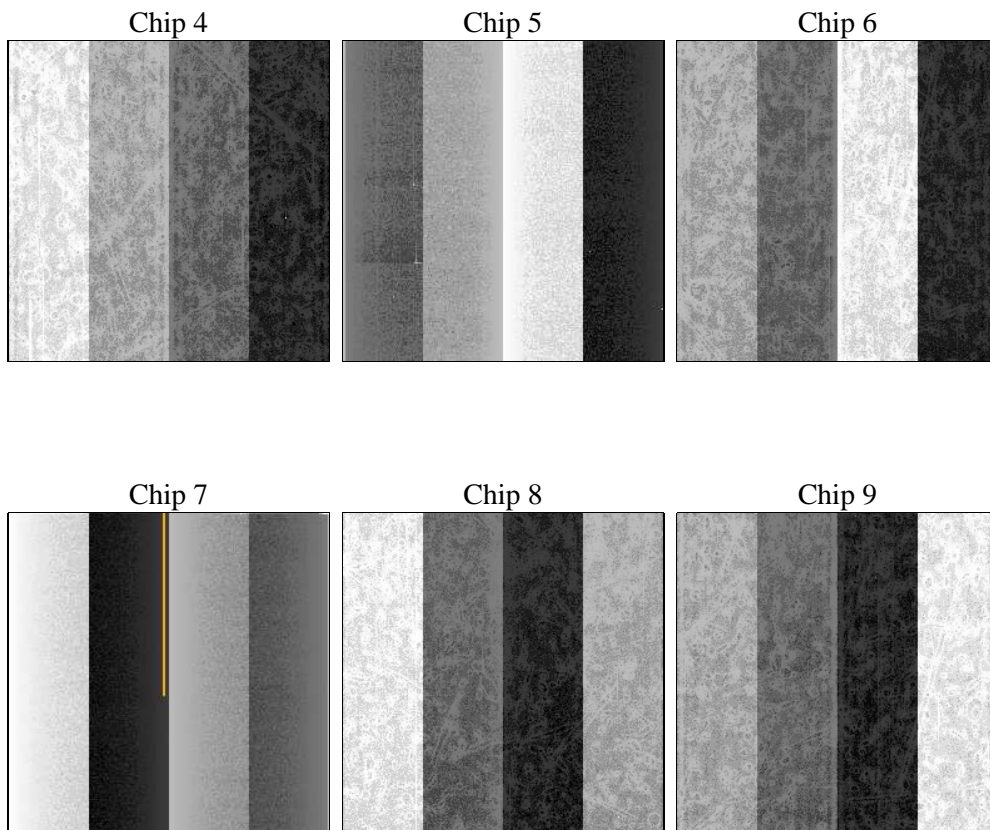
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	8232.4512185454	Sum of GTIs [s]
caldbver	4.4.7	&#160	ontime4	8232.3280985355	Sum of GTIs [s]
date	2012-02-01T00:43:07	Date and time of file creation	ontime5	8232.4101785421	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8232.3691385388	Sum of GTIs [s]
			ontime7	8232.4512185454	Sum of GTIs [s]
			ontime8	8232.2870585322	Sum of GTIs [s]
			ontime9	8232.4922585487	Sum of GTIs [s]
			l1events	677266	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	99761	135857	96946	124509	117731	102462	grade 0 events	25386	12558	23052	11577	26150	25056
rejected events	56040	57930	52450	54831	61933	56853		25%	9%	23%	9%	22%	24%
rejected %	56%	42%	54%	44%	52%	55%	grade 1 events	194	171	145	107	158	138
								0%	0%	0%	0%	0%	0%
							grade 2 events	6909	27059	8418	15260	11123	7782
								6%	19%	8%	12%	9%	7%
							grade 3 events	3018	3096	2926	6274	4275	2988
								3%	2%	3%	5%	3%	2%
							grade 4 events	2995	3019	2880	6290	4119	3036
								3%	2%	2%	5%	3%	2%
							grade 5 events	3442	7196	3512	8485	4599	3797
								3%	5%	3%	6%	3%	3%
							grade 6 events	5714	32697	7506	30708	10526	7080
								5%	24%	7%	24%	8%	6%
							grade 7 events	52103	50061	48507	45808	56781	52585
								52%	36%	50%	36%	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	OVERRIDE	OVERRIDE
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	156.4748134282404	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	40.94930966527905	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	131.9304130470339	[s] Primary exposure time	3.2	3.2
SIM focus pos (mm)	-1.4281808131	-1.4281808131			
[mm] SIM defocus	0.1051557500557434	0.1051557500557434			
SIM translation stage pos (mm)	250.4660330802	250.4660330802			
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584			
[s] Observation start time (MET)	444371596.858712	444371596.858712			
Observation start date	2012-01-31T04:33:17	2012-01-31T04:33:16			
[s] Observation end time (MET)	444381656.477175	444381656.477175			
Observation end date	2012-01-31T07:20:56	2012-01-31T07:20:56			
Read mode	TIMED	TIMED			

**2.3 Star Slots**

**2.4 FID Slots**

# A Summary

## A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.02.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2324512185454

## A.2 Comments