

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58024 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 7 2012

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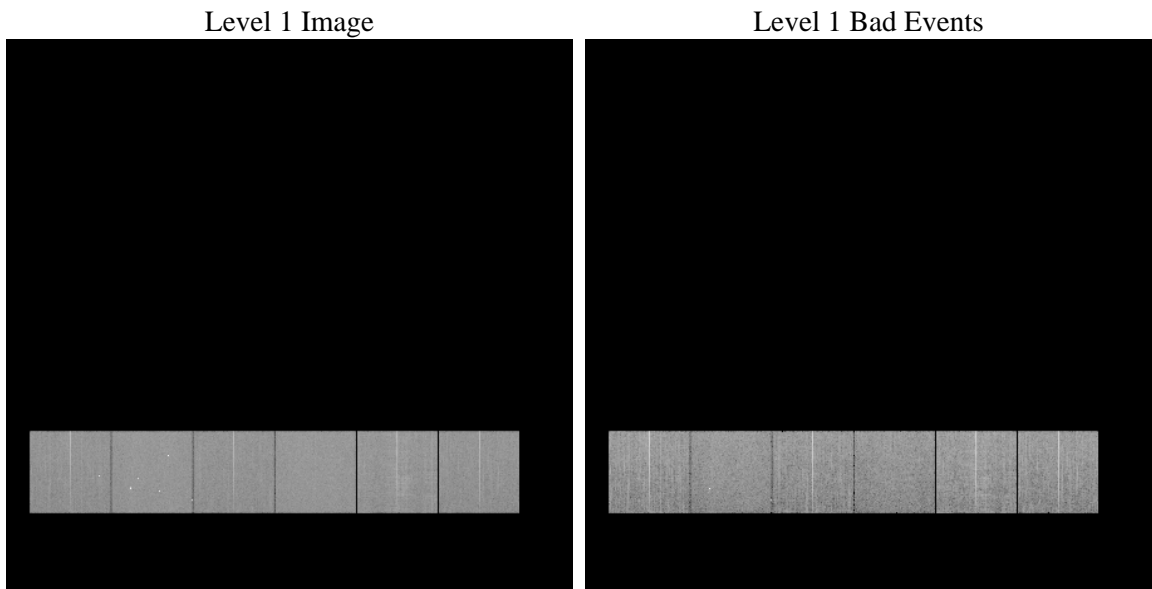
# 1 Front

seq_num	&#160	Sequence number
obs_id	58024	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	95.478068150687	Nominal RA [deg]
dec_nom	47.574169043824	Nominal Dec [deg]
roll_nom	203.50377612476	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8255.9999693036	Sum of GTIs [s]
livetime	8151.4575265259	Livetime [s]
ontime4	8255.8827943206	Sum of GTIs [s]
ontime5	8255.9648743272	Sum of GTIs [s]
ontime6	8255.9238343239	Sum of GTIs [s]
ontime7	8255.9999693036	Sum of GTIs [s]
ontime8	8255.8417543173	Sum of GTIs [s]
ontime9	8255.9999693036	Sum of GTIs [s]
l2events	683438	Number of level 2 events

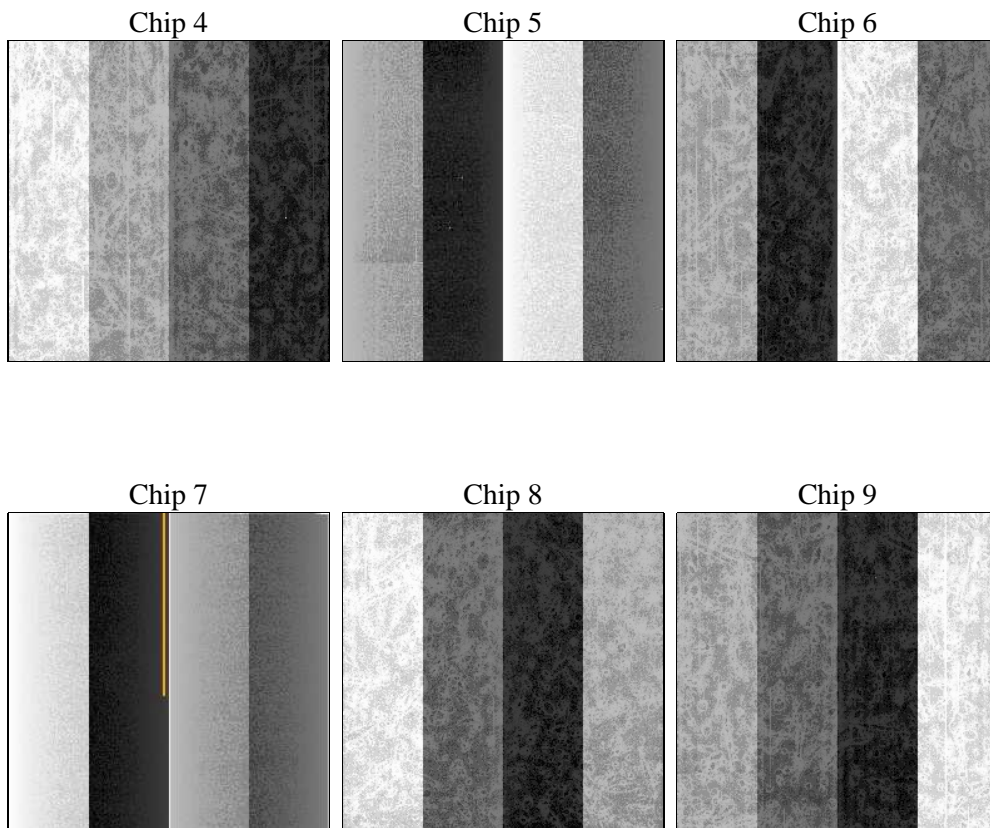
## 2 OBI

### 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	8.4.4	Processing system revision	ontime	8255.9999693036	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	8255.8827943206	Sum of GTIs [s]
date	2012-05-07T17:20:44	Date and time of file creation	ontime5	8255.9648743272	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8255.9238343239	Sum of GTIs [s]
			ontime7	8255.9999693036	Sum of GTIs [s]
			ontime8	8255.8417543173	Sum of GTIs [s]
			ontime9	8255.9999693036	Sum of GTIs [s]
			l1events	1193170	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	186682	211740	186760	209549	210619	187820	grade 0 events	61918	25539	60057	29703	64757	59177
rejected events	79116	70698	73374	65814	84505	77999		33%	12%	32%	14%	30%	31%
rejected %	42%	33%	39%	31%	40%	41%	grade 1 events	614	312	392	161	396	435
								0%	0%	0%	0%	0%	0%
							grade 2 events	16832	51014	19892	31407	23011	18879
								9%	24%	10%	14%	10%	10%
							grade 3 events	7386	6673	7463	13662	8800	7319
								3%	3%	3%	6%	4%	3%
							grade 4 events	7318	6609	7306	13431	8644	7097
								3%	3%	3%	6%	4%	3%
							grade 5 events	4095	9504	4290	10804	5560	4724
								2%	4%	2%	5%	2%	2%
							grade 6 events	14383	51489	18915	55864	21189	17590
								7%	24%	10%	26%	10%	9%
							grade 7 events	74136	60600	68445	54517	78262	72599
								39%	28%	36%	26%	37%	38%

## 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	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	95.4780681506866	Alternating exposures requested	N	N
[deg] Pointing Dec	0	47.57416904382436	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	203.5037761247623			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	315995450.287784	315995449.26279			
Observation start date	2008-01-06T08:30:50	2008-01-06T08:30:49			
[s] Observation end time (MET)	316019000.688925	316018999.66393			
Observation end date	2008-01-06T15:03:21	2008-01-06T15:03:19			
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)	2012.05.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2559999693036

### A.2 Comments