

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56748 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 15 2012

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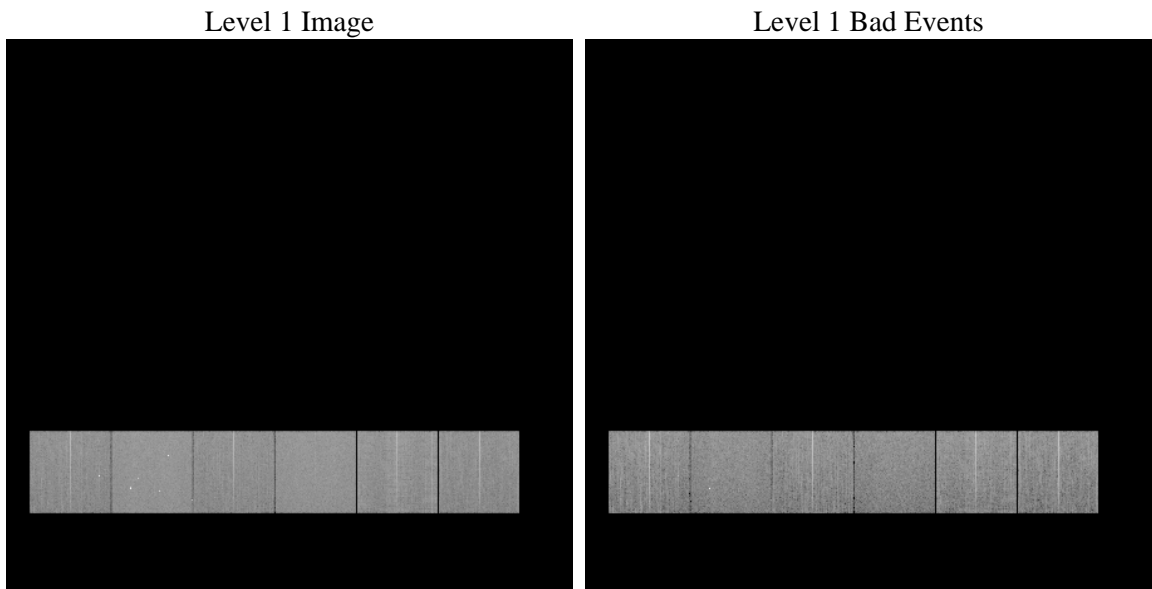
# 1 Front

seq_num	&#160	Sequence number
obs_id	56748	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtycle	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	34.980102274063	Nominal RA [deg]
dec_nom	0.83229617460601	Nominal Dec [deg]
roll_nom	75.810262013316	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8156.689355433	Sum of GTIs [s]
livetime	8053.4044434458	Livetime [s]
ontime4	8156.5662354231	Sum of GTIs [s]
ontime5	8156.6483154297	Sum of GTIs [s]
ontime6	8156.6072754264	Sum of GTIs [s]
ontime7	8156.689355433	Sum of GTIs [s]
ontime8	8156.5251954198	Sum of GTIs [s]
ontime9	8153.4894250631	Sum of GTIs [s]
l2events	488245	Number of level 2 events

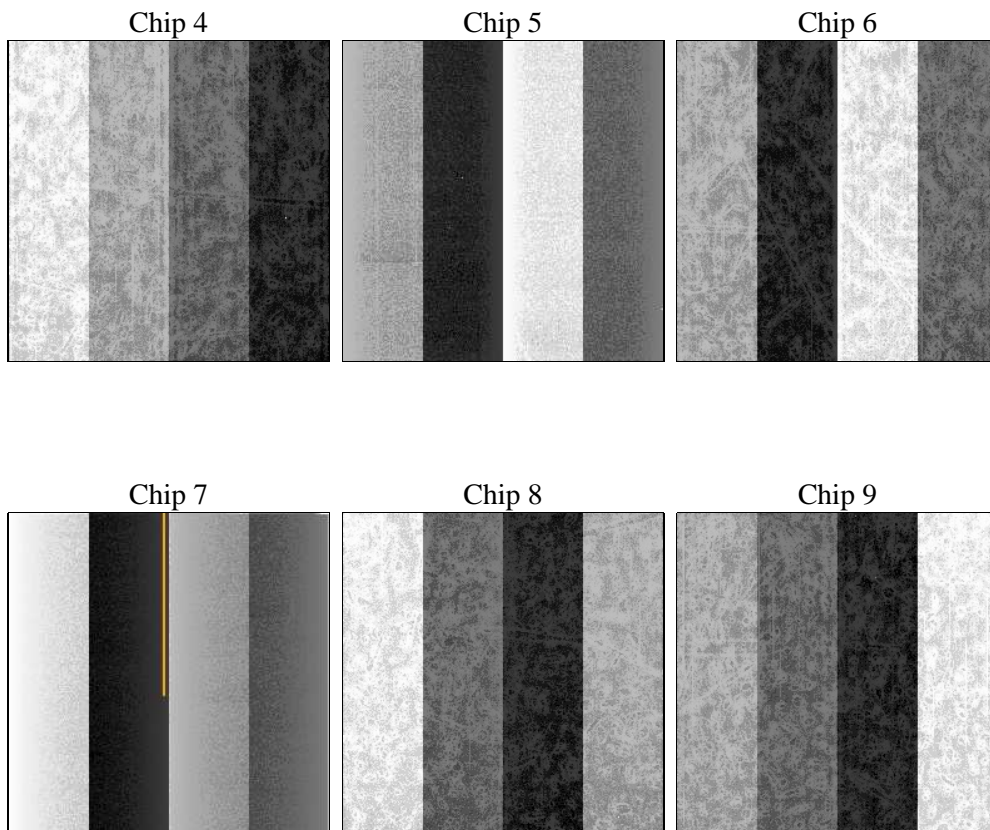
## 2 OBI

### 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	8.4.5	Processing system revision	ontime	8156.689355433	Sum of GTIs [s]
caldbver	4.4.10	&#160	ontime4	8156.5662354231	Sum of GTIs [s]
date	2012-06-15T17:15:51	Date and time of file creation	ontime5	8156.6483154297	Sum of GTIs [s]
			ontime6	8156.6072754264	Sum of GTIs [s]
revision	2	Processing version of data	ontime7	8156.689355433	Sum of GTIs [s]
			ontime8	8156.5251954198	Sum of GTIs [s]
			ontime9	8153.4894250631	Sum of GTIs [s]
			l1events	1031824	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	158597	193492	159258	186031	179948	154498	grade 0 events	41862	17623	39788	20785	44083	38707
rejected events	86441	78826	84323	74322	90101	82363		26%	9%	24%	11%	24%	25%
rejected %	54%	40%	52%	39%	50%	53%	grade 1 events	384	300	286	182	313	284
								0%	0%	0%	0%	0%	0%
							grade 2 events	11721	41011	13622	24641	16976	12779
								7%	21%	8%	13%	9%	8%
							grade 3 events	5179	5237	5030	10448	6946	5001
								3%	2%	3%	5%	3%	3%
							grade 4 events	4909	5157	4963	10423	6696	4918
								3%	2%	3%	5%	3%	3%
							grade 5 events	4425	11129	4759	12045	6029	5116
								2%	5%	2%	6%	3%	3%
							grade 6 events	9533	47256	12590	47009	16349	11756
								6%	24%	7%	25%	9%	7%
							grade 7 events	80584	65779	78220	60498	82556	75937
								50%	33%	49%	32%	45%	49%

## 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	34.98010227406348	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	0.8322961746060051	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	75.81026201331611	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-0.78090834371673	-0.78090834371673			
[mm] SIM defocus	0.7524282194390134	0.7524282194390134			
[mm] SIM translation stage pos	250.4660330802	250.4660330802			
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584			
[s] Observation start time (MET)	372165468.720043	372165468.720043			
Observation start date	2009-10-17T11:17:49	2009-10-17T11:17:48			
[s] Observation end time (MET)	372175018.304804	372175018.304804			
Observation end date	2009-10-17T13:56:58	2009-10-17T13:56:58			
Read mode	TIMED	TIMED			

**2.3 Star Slots**

**2.4 FID Slots**

# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.156689355433

## A.2 Comments