

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 58631 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 16 2012

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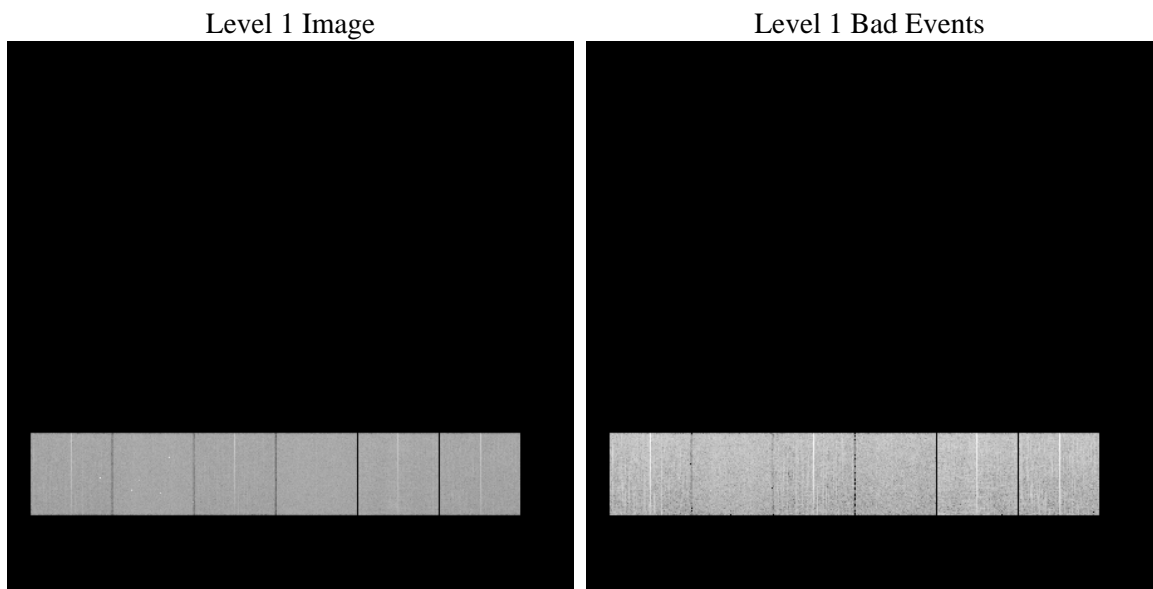
# 1 Front

seq_num	&#160	Sequence number
obs_id	58631	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	73.980851808834	Nominal RA [deg]
dec_nom	48.974199888702	Nominal Dec [deg]
roll_nom	211.14173875659	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7750.3999711871	Sum of GTIs [s]
livetime	7652.2597400214	Livetime [s]
ontime4	7750.3999711871	Sum of GTIs [s]
ontime5	7750.3999711871	Sum of GTIs [s]
ontime6	7750.3999711871	Sum of GTIs [s]
ontime7	7750.3999711871	Sum of GTIs [s]
ontime8	7750.3999711871	Sum of GTIs [s]
ontime9	7750.3999711871	Sum of GTIs [s]
l2events	768614	Number of level 2 events

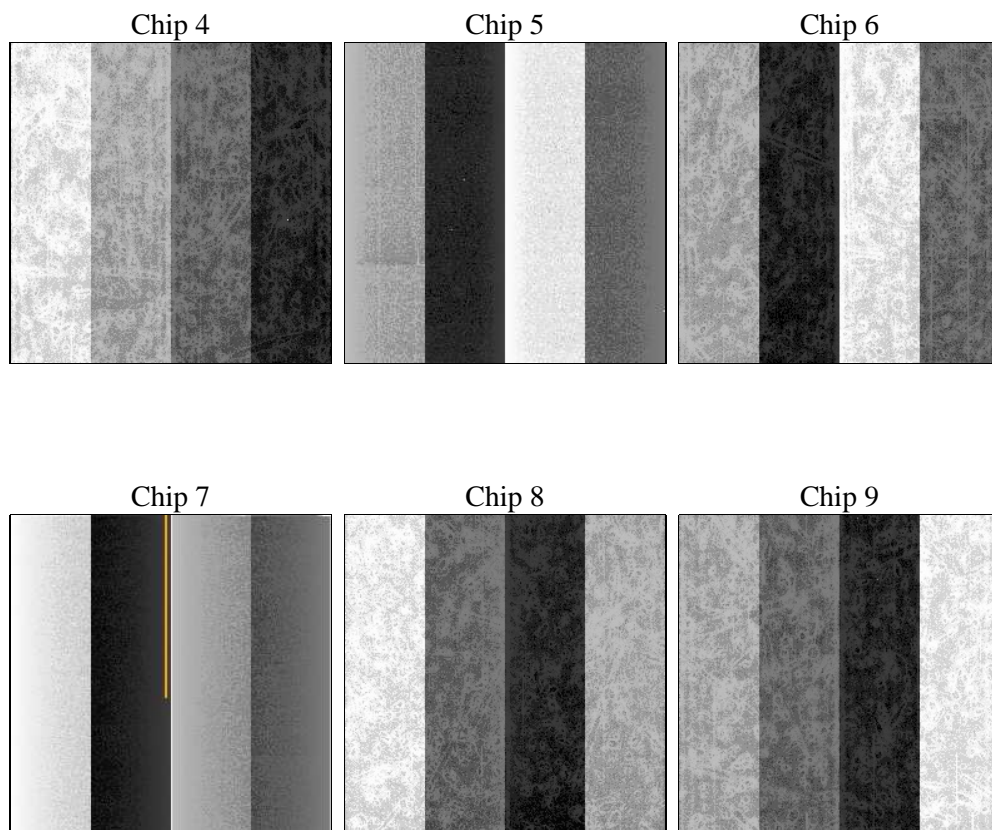
## 2 OBI

### 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	8.4.3.1	Processing system revision	ontime	7750.3999711871	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	7750.3999711871	Sum of GTIs [s]
date	2012-04-16T04:32:50	Date and time of file creation	ontime5	7750.3999711871	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7750.3999711871	Sum of GTIs [s]
			ontime7	7750.3999711871	Sum of GTIs [s]
			ontime8	7750.3999711871	Sum of GTIs [s]
			ontime9	7750.3999711871	Sum of GTIs [s]
			l1events	1200085	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	190335	203819	194283	208993	209795	192860	grade 0 events	71544	25985	71326	33814	74270	69249
rejected events	66732	59704	61830	54022	68931	65573		37%	12%	36%	16%	35%	35%
rejected %	35%	29%	31%	25%	32%	34%	grade 1 events	642	221	394	169	460	416
								0%	0%	0%	0%	0%	0%
							grade 2 events	19732	52755	23085	33653	25347	21955
								10%	25%	11%	16%	12%	11%
							grade 3 events	8299	7393	8256	15107	9466	8277
								4%	3%	4%	7%	4%	4%
							grade 4 events	8406	7429	8416	14989	9365	8294
								4%	3%	4%	7%	4%	4%
							grade 5 events	3649	8547	3760	9113	4757	4157
								1%	4%	1%	4%	2%	2%
							grade 6 events	15687	50605	21425	57477	22473	19560
								8%	24%	11%	27%	10%	10%
							grade 7 events	62376	50884	57621	44671	63657	60952
								32%	24%	29%	21%	30%	31%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	73.98085180883365
[deg] Pointing Dec	0	48.97419988870205
[deg] Pointing Roll	0.0	211.1417387565866
[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)	283098561.612552	283098560.58756
Observation start date	2006-12-21T14:29:22	2006-12-21T14:29:20
[s] Observation end time (MET)	283121470.363637	283121469.33864
Observation end date	2006-12-21T20:51:10	2006-12-21T20:51:09
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

## **2.3 Star Slots**

## **2.4 FID Slots**

## **A Summary**

### **A.1 Status**

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.04.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7503999711871

### **A.2 Comments**