

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58323 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 27 2012

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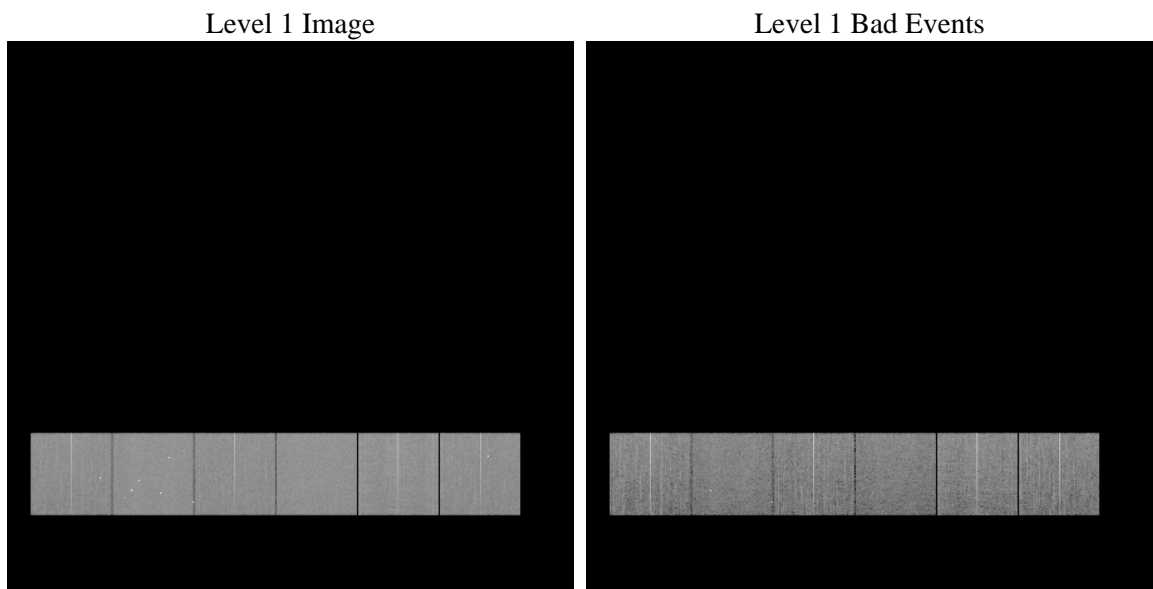
# 1 Front

seq_num	&#160	Sequence number
obs_id	58323	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	250.01142649244	Nominal RA [deg]
dec_nom	-20.026647585309	Nominal Dec [deg]
roll_nom	259.06852577747	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8275.1999692321	Sum of GTIs [s]
livetime	8170.4144044945	Livetime [s]
ontime4	8271.958978951	Sum of GTIs [s]
ontime5	8275.1999692321	Sum of GTIs [s]
ontime6	8271.9589788914	Sum of GTIs [s]
ontime7	8275.1999692321	Sum of GTIs [s]
ontime8	8275.1999692321	Sum of GTIs [s]
ontime9	8275.1999692321	Sum of GTIs [s]
l2events	750315	Number of level 2 events

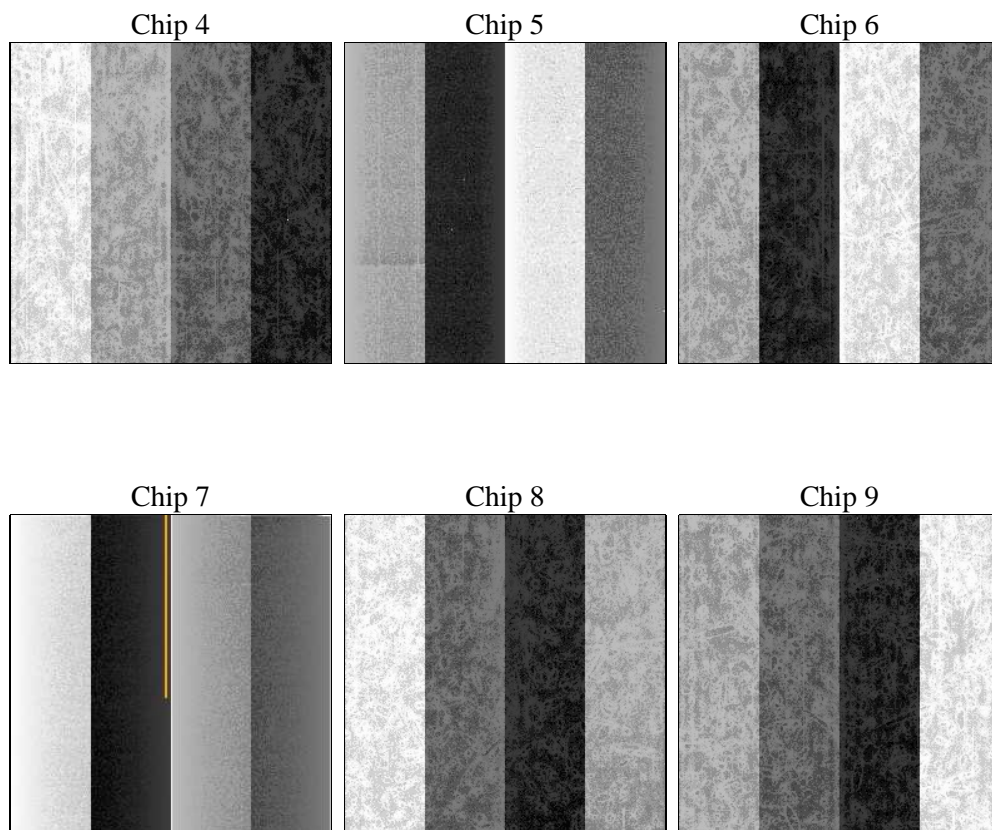
## 2 OBI

### 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	8275.1999692321	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	8271.958978951	Sum of GTIs [s]
date	2012-04-27T15:56:27	Date and time of file creation	ontime5	8275.1999692321	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8271.9589788914	Sum of GTIs [s]
			ontime7	8275.1999692321	Sum of GTIs [s]
			ontime8	8275.1999692321	Sum of GTIs [s]
			ontime9	8275.1999692321	Sum of GTIs [s]
			l1events	1284627	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	203368	231046	203522	221328	221764	203599	grade 0 events	69832	29652	66877	32063	70842	68858
rejected events	83830	74323	77380	66082	84271	79075		34%	12%	32%	14%	31%	33%
rejected %	41%	32%	38%	29%	38%	38%	grade 1 events	732	249	420	168	471	530
								0%	0%	0%	0%	0%	0%
							grade 2 events	18281	56112	22336	33821	24736	20645
								8%	24%	10%	15%	11%	10%
							grade 3 events	8304	7231	7980	14751	9656	8022
								4%	3%	3%	6%	4%	3%
							grade 4 events	7939	7443	7938	14542	9338	7949
								3%	3%	3%	6%	4%	3%
							grade 5 events	4151	10524	4340	10832	5609	4855
								2%	4%	2%	4%	2%	2%
							grade 6 events	15182	56285	21011	60069	22921	19050
								7%	24%	10%	27%	10%	9%
							grade 7 events	78947	63550	72620	55082	78191	73690
								38%	27%	35%	24%	35%	36%

## 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	250.0114264924377
[deg] Pointing Dec	0	-20.02664758530889
[deg] Pointing Roll	0.0	259.0685257774677
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.8505141146731063
[mm] SIM translation stage pos	-190.132523	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	300232640.778416	300232639.75342
Observation start date	2007-07-07T21:57:21	2007-07-07T21:57:19
[s] Observation end time (MET)	300255752.479522	300255751.45452
Observation end date	2007-07-08T04:22:32	2007-07-08T04:22:31
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)	2012.04.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2751999692321

### **A.2 Comments**