

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58298 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Apr 28 2012

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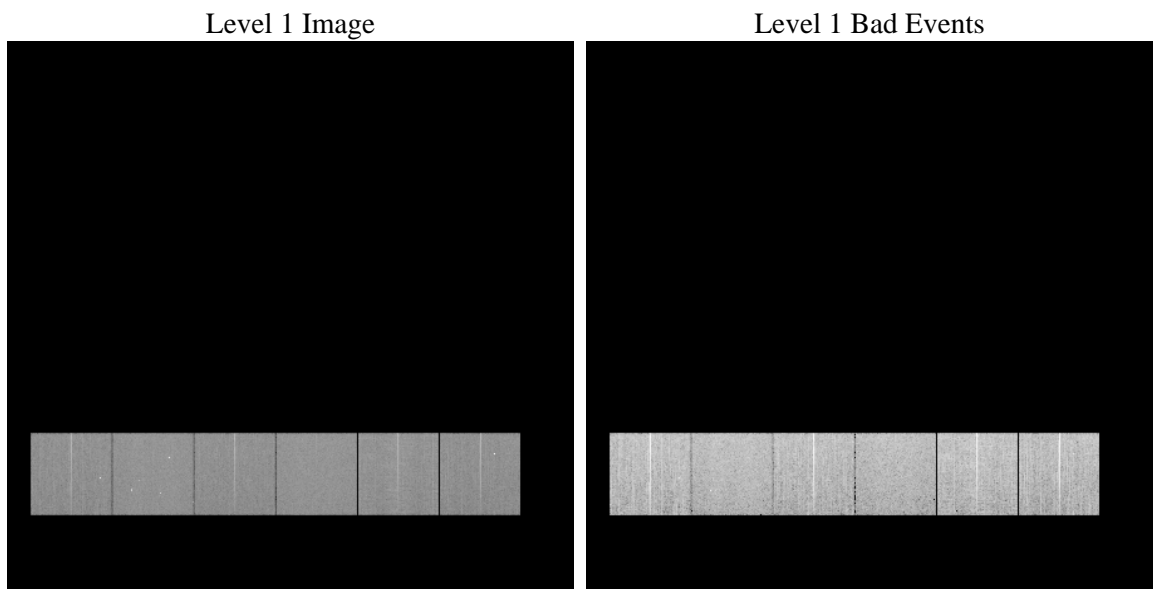
# 1 Front

seq_num	&#160	Sequence number
obs_id	58298	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	338.47625702997	Nominal RA [deg]
dec_nom	-8.9834542985797	Nominal Dec [deg]
roll_nom	111.78757911603	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7731.1999712586	Sum of GTIs [s]
livetime	7633.3028620528	Livetime [s]
ontime4	7731.1999712586	Sum of GTIs [s]
ontime5	7731.1999712586	Sum of GTIs [s]
ontime6	7731.1999712586	Sum of GTIs [s]
ontime7	7731.1999712586	Sum of GTIs [s]
ontime8	7731.1999712586	Sum of GTIs [s]
ontime9	7731.1999712586	Sum of GTIs [s]
l2events	685855	Number of level 2 events

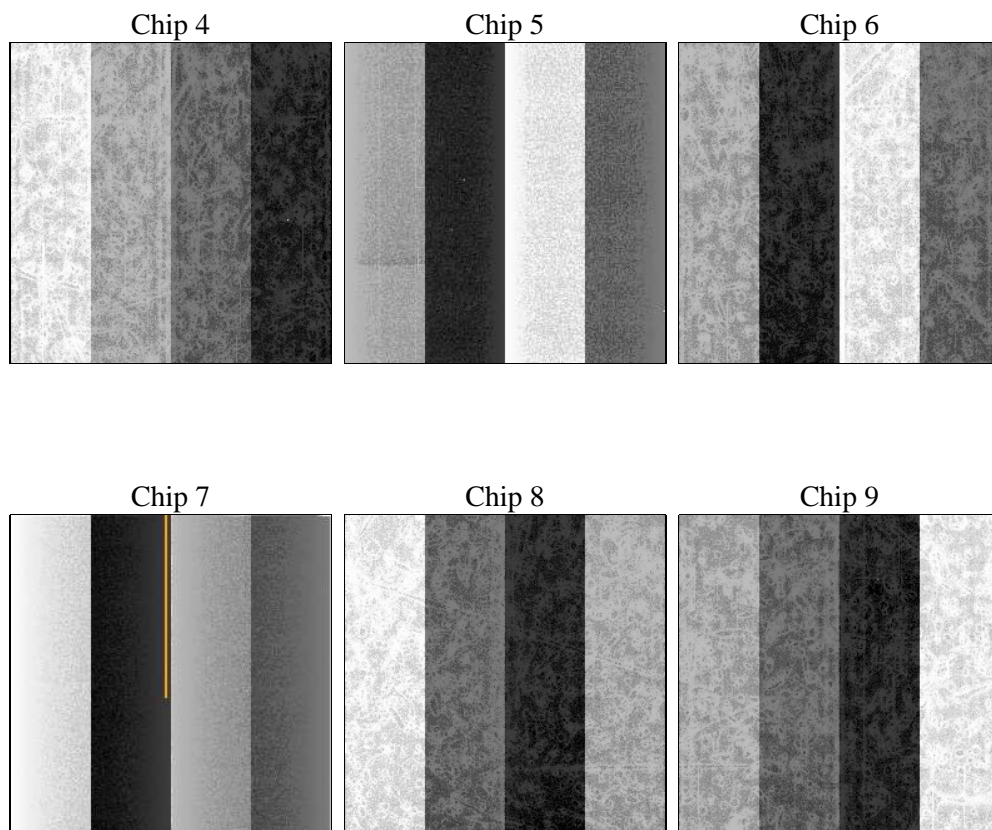
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6420	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	7731.1999712586	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	7731.1999712586	Sum of GTIs [s]
date	2012-04-28T18:22:55	Date and time of file creation	ontime5	7731.1999712586	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	7731.1999712586	Sum of GTIs [s]
			ontime7	7731.1999712586	Sum of GTIs [s]
			ontime8	7731.1999712586	Sum of GTIs [s]
			ontime9	7731.1999712586	Sum of GTIs [s]
			l1events	1165121	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	185087	203413	184340	204253	204011	184017	grade 0 events	63214	25537	62185	30460	65200	60137
rejected events	76391	65803	68999	61109	78440	71590		34%	12%	33%	14%	31%	32%
rejected %	41%	32%	37%	29%	38%	38%	grade 1 events	561	169	381	153	424	441
								0%	0%	0%	0%	0%	0%
							grade 2 events	17530	48949	20489	31514	23107	21443
								9%	24%	11%	15%	11%	11%
							grade 3 events	7365	7278	7306	14057	8836	7452
								3%	3%	3%	6%	4%	4%
							grade 4 events	7365	6986	7398	13849	8872	7225
								3%	3%	4%	6%	4%	3%
							grade 5 events	3947	9283	4027	10116	5242	4367
								2%	4%	2%	4%	2%	2%
							grade 6 events	14088	49958	18843	54457	20543	17089
								7%	24%	10%	26%	10%	9%
							grade 7 events	71017	55253	63711	49647	71787	65863
								38%	27%	34%	24%	35%	35%

## 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	338.4762573689663	338.4762570299694	Subarray requested	NONE	NONE
[deg] Pointing Dec	-8.983454436213824	-8.983454298579671	Alternating exposures requested	N	N
[deg] Pointing Roll	111.7875791684856	111.7875791160297	[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)	302247100.024973	302247100.024973			
Observation start date	2007-07-31T05:59:00	2007-07-31T05:31:40			
[s] Observation end time (MET)	302256617.20482	302256617.20482			
Observation end date	2007-07-31T07:46:00	2007-07-31T08:10:17			
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)	2012.05.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7311999712586

### **A.2 Comments**