

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58287 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Apr 29 2012

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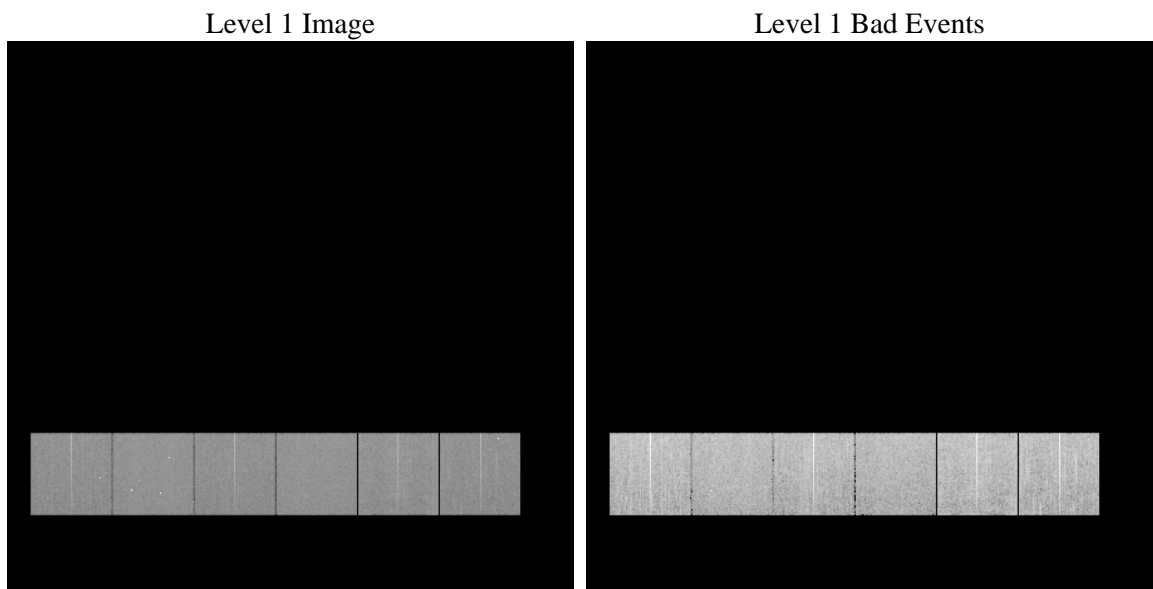
# 1 Front

seq_num	&#160	Sequence number
obs_id	58287	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	355.65221600035	Nominal RA [deg]
dec_nom	-30.889000727621	Nominal Dec [deg]
roll_nom	75.987149479722	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7750.3999711871	Sum of GTIs [s]
livetime	7652.2597400214	Livetime [s]
ontime4	7750.3305111527	Sum of GTIs [s]
ontime5	7750.3999711871	Sum of GTIs [s]
ontime6	7750.371551156	Sum of GTIs [s]
ontime7	7750.3999711871	Sum of GTIs [s]
ontime8	7750.2894711494	Sum of GTIs [s]
ontime9	7750.3999711871	Sum of GTIs [s]
l2events	682368	Number of level 2 events

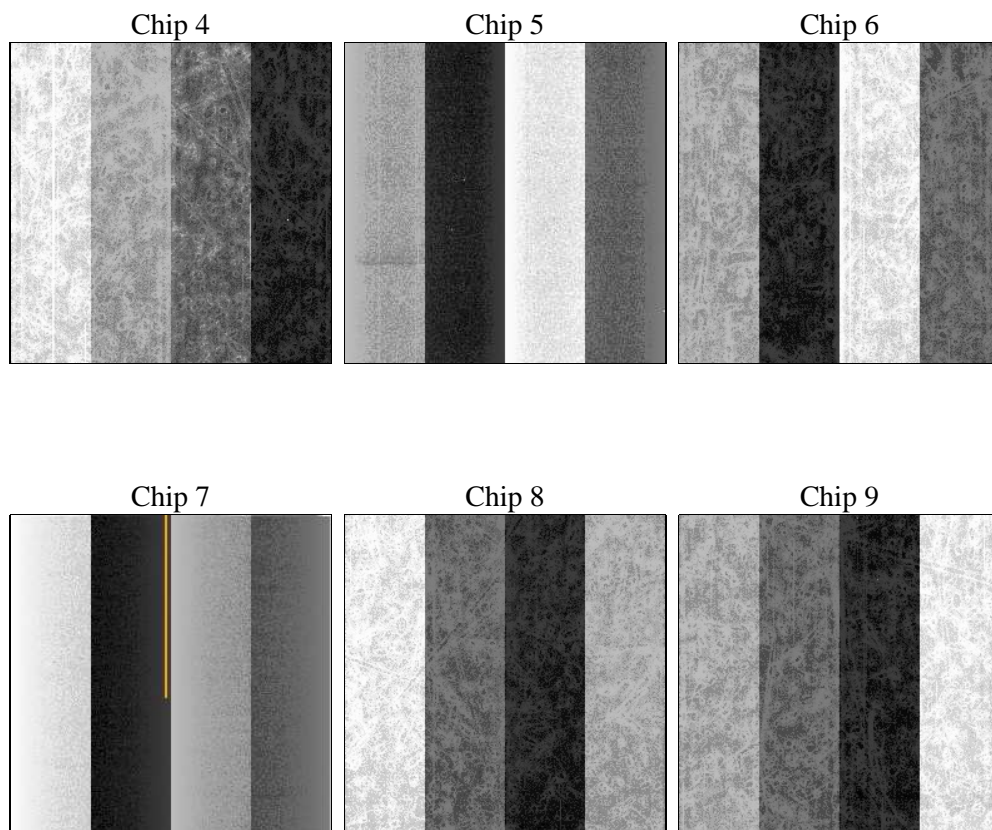
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	960	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	7750.3999711871	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	7750.3305111527	Sum of GTIs [s]
date	2012-04-29T04:03:44	Date and time of file creation	ontime5	7750.3999711871	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	7750.371551156	Sum of GTIs [s]
			ontime7	7750.3999711871	Sum of GTIs [s]
			ontime8	7750.2894711494	Sum of GTIs [s]
			ontime9	7750.3999711871	Sum of GTIs [s]
			l1events	1168632	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	185612	203895	185301	202154	204345	187325	grade 0 events	62909	25813	61453	29940	65621	62643
rejected events	77590	65967	70900	60706	78857	74672		33%	12%	33%	14%	32%	33%
rejected %	41%	32%	38%	30%	38%	39%	grade 1 events	548	373	364	142	453	446
								0%	0%	0%	0%	0%	0%
							grade 2 events	16869	49357	20299	31028	23207	19220
								9%	24%	10%	15%	11%	10%
							grade 3 events	7512	6698	7441	13806	8702	7239
								4%	3%	4%	6%	4%	3%
							grade 4 events	7501	6676	7257	13308	8539	7287
								4%	3%	3%	6%	4%	3%
							grade 5 events	3852	9091	4069	9922	5389	4357
								2%	4%	2%	4%	2%	2%
							grade 6 events	13856	50209	18604	54231	20229	16929
								7%	24%	10%	26%	9%	9%
							grade 7 events	72565	55678	65814	49777	72205	69204
								39%	27%	35%	24%	35%	36%

## 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	355.6522160050778	355.6522160003532	Subarray requested	NONE	NONE
[deg] Pointing Dec	-30.88900072432567	-30.88900072762144	Alternating exposures requested	N	N
[deg] Pointing Roll	75.9871494897241	75.98714947972216	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119			
[mm] SIM defocus	0.8505140384245534	0.8505140384245534			
[mm] SIM translation stage pos	250.4635187649	250.4635187649			
[mm] SIM translation stage offset	-0.007542945905271381	-0.007542945905271381			
[s] Observation start time (MET)	302932927.557877	302932927.557877			
Observation start date	2007-08-08T04:25:00	2007-08-08T04:02:07			
[s] Observation end time (MET)	302942445.345734	302942445.345734			
Observation end date	2007-08-08T04:41:00	2007-08-08T06:40:45			
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	7.7503999711871

### **A.2 Comments**