

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 58947 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 2 2012

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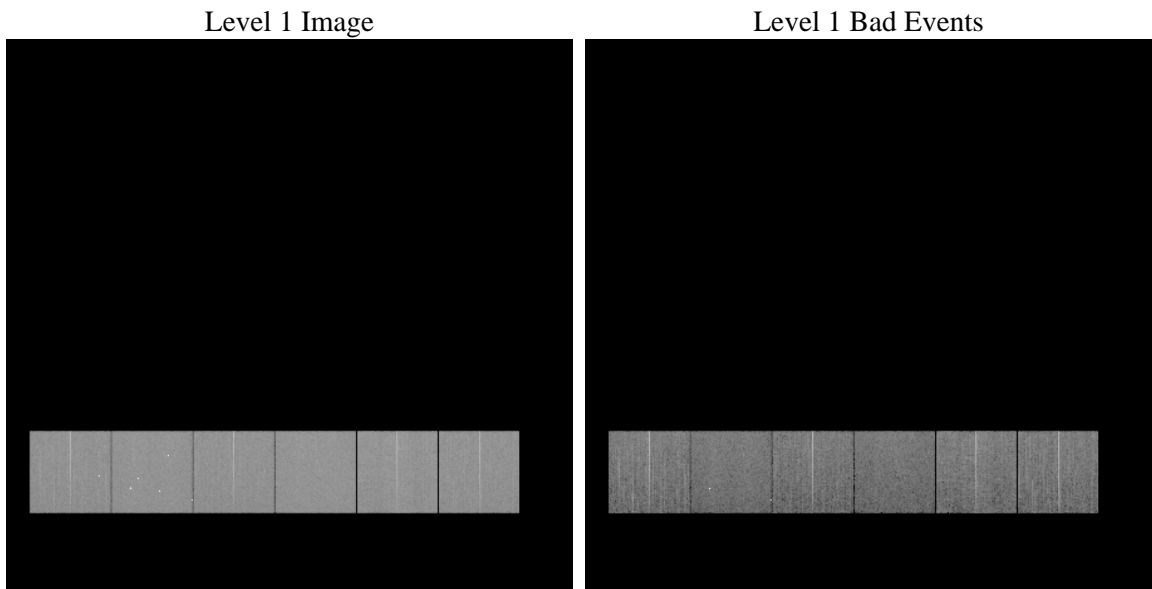
# 1 Front

seq_num	&#160	Sequence number
obs_id	58947	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	233.9850898321	Nominal RA [deg]
dec_nom	3.976106169573	Nominal Dec [deg]
roll_nom	204.21894770752	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8271.9999691844	Sum of GTIs [s]
livetime	8167.2549247742	Livetime [s]
ontime4	8271.9999691844	Sum of GTIs [s]
ontime5	8271.9999691844	Sum of GTIs [s]
ontime6	8271.9999691844	Sum of GTIs [s]
ontime7	8271.9999691844	Sum of GTIs [s]
ontime8	8271.9999691844	Sum of GTIs [s]
ontime9	8271.9999691844	Sum of GTIs [s]
l2events	924953	Number of level 2 events

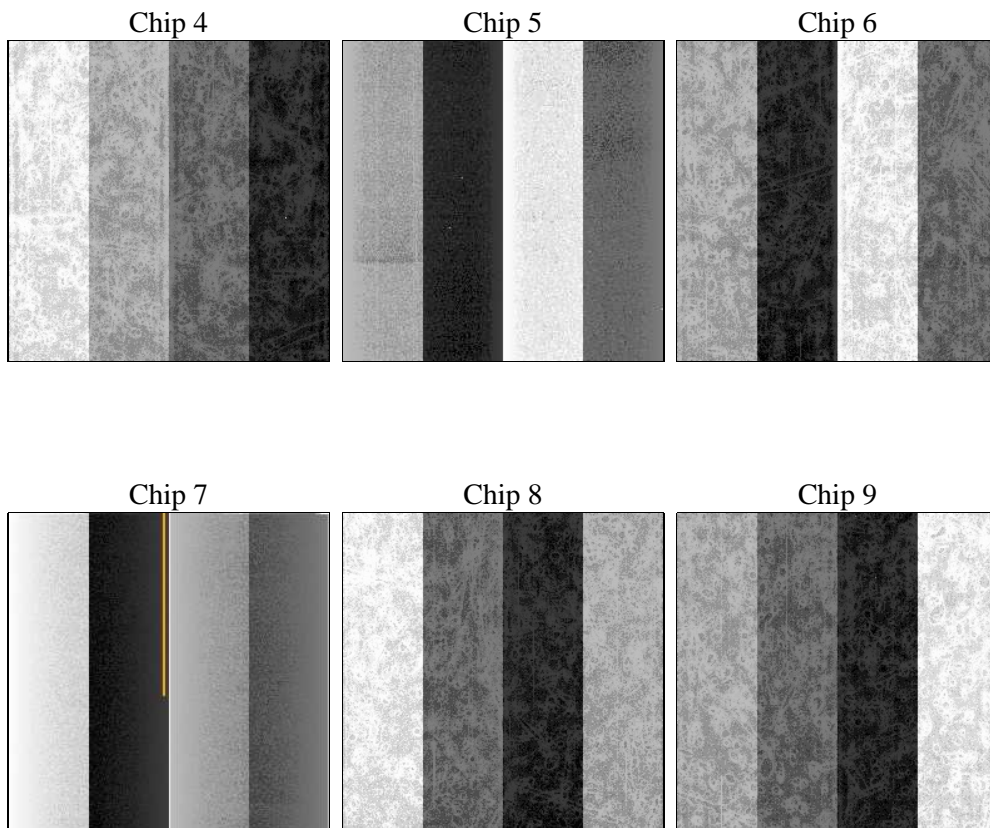
## 2 OBI

### 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	Processing system revision	ontime	8271.9999691844	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	8271.9999691844	Sum of GTIs [s]
date	2012-04-02T06:55:46	Date and time of file creation	ontime5	8271.9999691844	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8271.9999691844	Sum of GTIs [s]
			ontime7	8271.9999691844	Sum of GTIs [s]
			ontime8	8271.9999691844	Sum of GTIs [s]
			ontime9	8271.9999691844	Sum of GTIs [s]
			l1events	1450502	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	232931	252017	233517	246669	251552	233816	grade 0 events	88170	36170	85852	40369	90358	84292
rejected events	83049	71101	73846	61720	81387	80041		37%	14%	36%	16%	35%	36%
rejected %	35%	28%	31%	25%	32%	34%	grade 1 events	843	201	505	151	555	605
								0%	0%	0%	0%	0%	0%
							grade 2 events	22533	65783	28080	40550	30098	25982
								9%	26%	12%	16%	11%	11%
							grade 3 events	10247	8473	9938	17804	11318	9944
								4%	3%	4%	7%	4%	4%
							grade 4 events	10061	8446	10045	17584	11427	10027
								4%	3%	4%	7%	4%	4%
							grade 5 events	4143	10061	4169	10110	5359	4824
								1%	3%	1%	4%	2%	2%
							grade 6 events	18949	62125	25824	68718	27026	23600
								8%	24%	11%	27%	10%	10%
							grade 7 events	77985	60758	69104	51383	75411	74542
								33%	24%	29%	20%	29%	31%

## 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	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	233.9850898321034	Alternating exposures requested	N	N
[deg] Pointing Dec	0	3.976106169572993	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	204.2189477075202			
[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)	265279093.624671	265279092.59968			
Observation start date	2006-05-29T08:38:14	2006-05-29T08:38:12			
[s] Observation end time (MET)	265301221.325704	265301220.30071			
Observation end date	2006-05-29T14:47:01	2006-05-29T14:47:00			
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)	2012.04.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2719999691844

### **A.2 Comments**