

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 58764 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 10 2012

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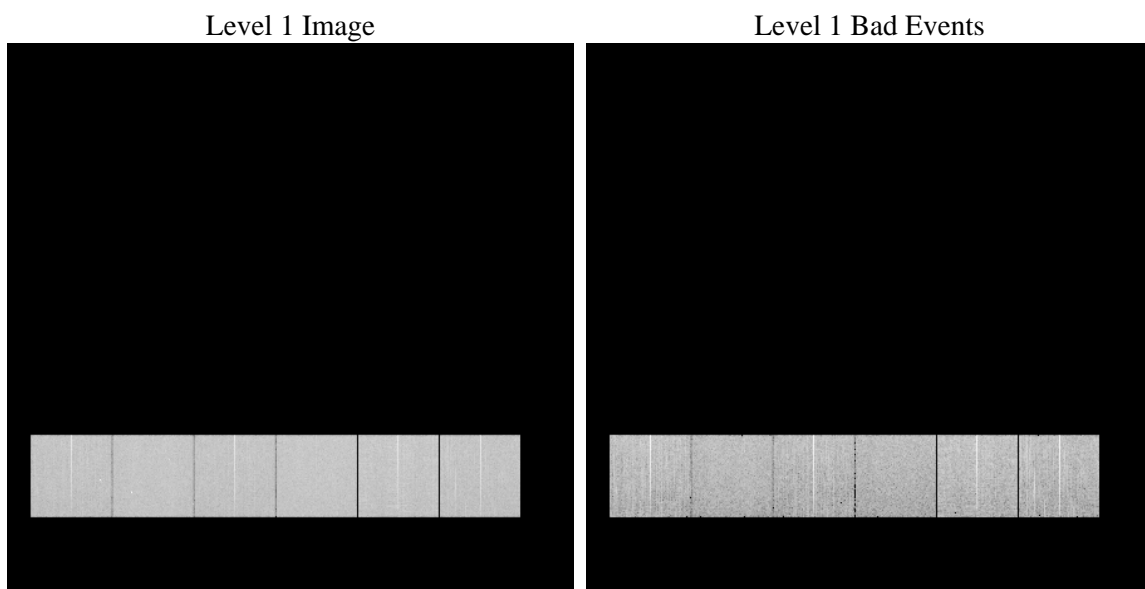
# 1 Front

seq_num	&#160	Sequence number
obs_id	58764	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtycycle	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	33.276173329262	Nominal RA [deg]
dec_nom	13.718069752379	Nominal Dec [deg]
roll_nom	109.98320834414	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7788.5384766459	Sum of GTIs [s]
livetime	7689.9153127598	Livetime [s]
ontime4	7788.415356636	Sum of GTIs [s]
ontime5	7788.4974366426	Sum of GTIs [s]
ontime6	7788.4563966393	Sum of GTIs [s]
ontime7	7788.5384766459	Sum of GTIs [s]
ontime8	7788.3743166327	Sum of GTIs [s]
ontime9	7788.5795166492	Sum of GTIs [s]
l2events	814277	Number of level 2 events

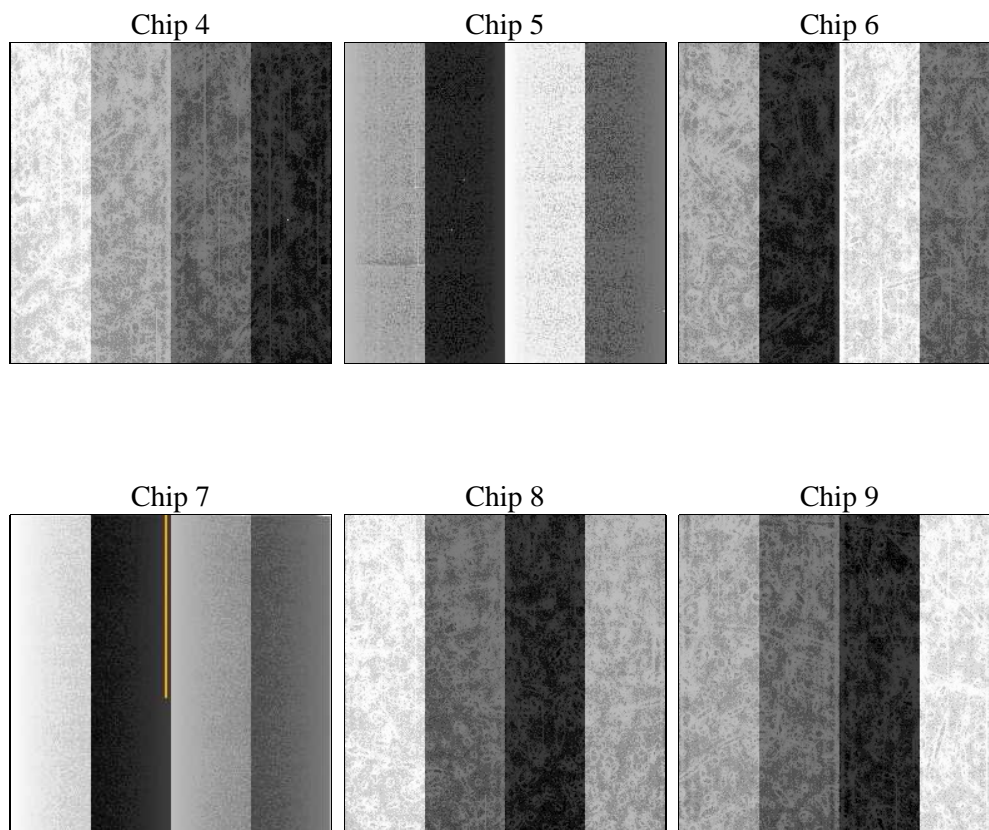
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	7788.5384766459	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime4	7788.415356636	Sum of GTIs [s]
date	2012-04-10T11:30:57	Date and time of file creation	ontime5	7788.4974366426	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7788.4563966393	Sum of GTIs [s]
			ontime7	7788.5384766459	Sum of GTIs [s]
			ontime8	7788.3743166327	Sum of GTIs [s]
			ontime9	7788.5795166492	Sum of GTIs [s]
			l1events	1281036	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	204566	214813	206418	222173	227129	205937	grade 0 events	74665	27044	75802	36431	79313	73606
rejected events	75238	62683	66028	57477	76667	71400		36%	12%	36%	16%	34%	35%
rejected %	36%	29%	31%	25%	33%	34%	grade 1 events	722	182	398	148	503	526
								0%	0%	0%	0%	0%	0%
							grade 2 events	20214	55991	24585	35967	27019	22960
								9%	26%	11%	16%	11%	11%
							grade 3 events	8887	7935	8730	16063	10230	8962
								4%	3%	4%	7%	4%	4%
							grade 4 events	8959	7962	8831	15760	10205	8716
								4%	3%	4%	7%	4%	4%
							grade 5 events	3888	8758	3997	9765	5053	4429
								1%	4%	1%	4%	2%	2%
							grade 6 events	16676	53269	22500	60543	23748	20350
								8%	24%	10%	27%	10%	9%
							grade 7 events	70555	53672	61575	47496	71058	66388
								34%	24%	29%	21%	31%	32%

## 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	33.27617332926231	Alternating exposures requested	N	N
[deg] Pointing Dec	0	13.71806975237883	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	109.9832083441433			
[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)	275972373.82611	275972372.80111			
Observation start date	2006-09-30T02:59:34	2006-09-30T02:59:32			
[s] Observation end time (MET)	275991469.577009	275991468.55201			
Observation end date	2006-09-30T08:17:50	2006-09-30T08:17:48			
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)	2012.04.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7885384766459

## A.2 Comments