

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 58859 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 6 2012

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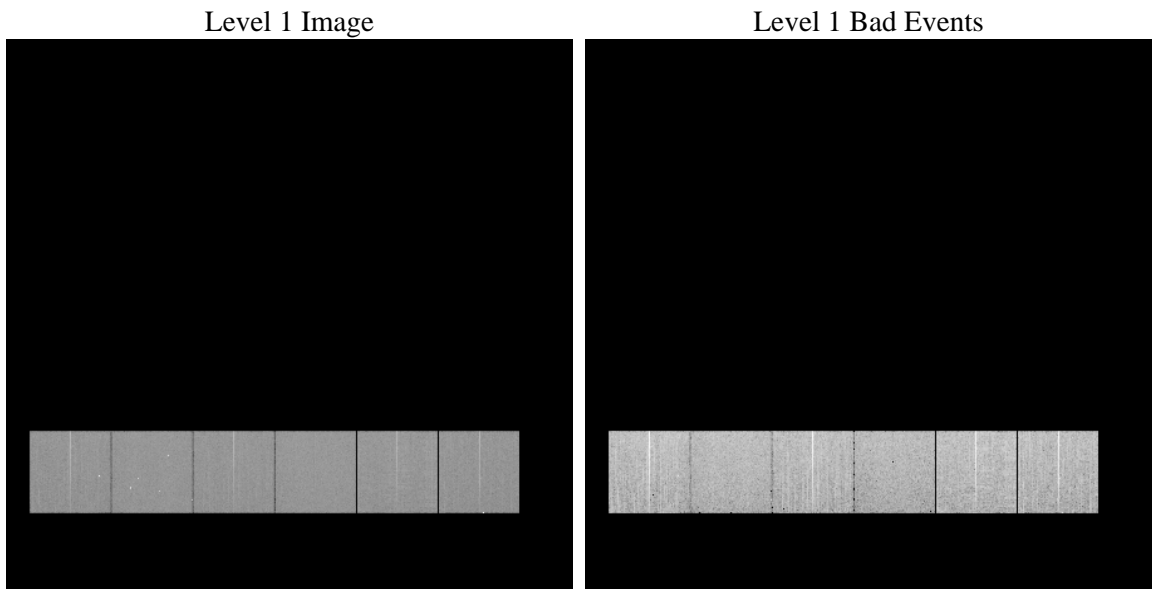
# 1 Front

seq_num	&#160	Sequence number
obs_id	58859	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	49.981351350224	Nominal RA [deg]
dec_nom	40.02347683066	Nominal Dec [deg]
roll_nom	97.413570222824	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7795.1999710202	Sum of GTIs [s]
livetime	7696.4924552813	Livetime [s]
ontime4	7795.1999710202	Sum of GTIs [s]
ontime5	7795.1999710202	Sum of GTIs [s]
ontime6	7795.1999710202	Sum of GTIs [s]
ontime7	7795.1999710202	Sum of GTIs [s]
ontime8	7795.1999710202	Sum of GTIs [s]
ontime9	7795.1999710202	Sum of GTIs [s]
l2events	897041	Number of level 2 events

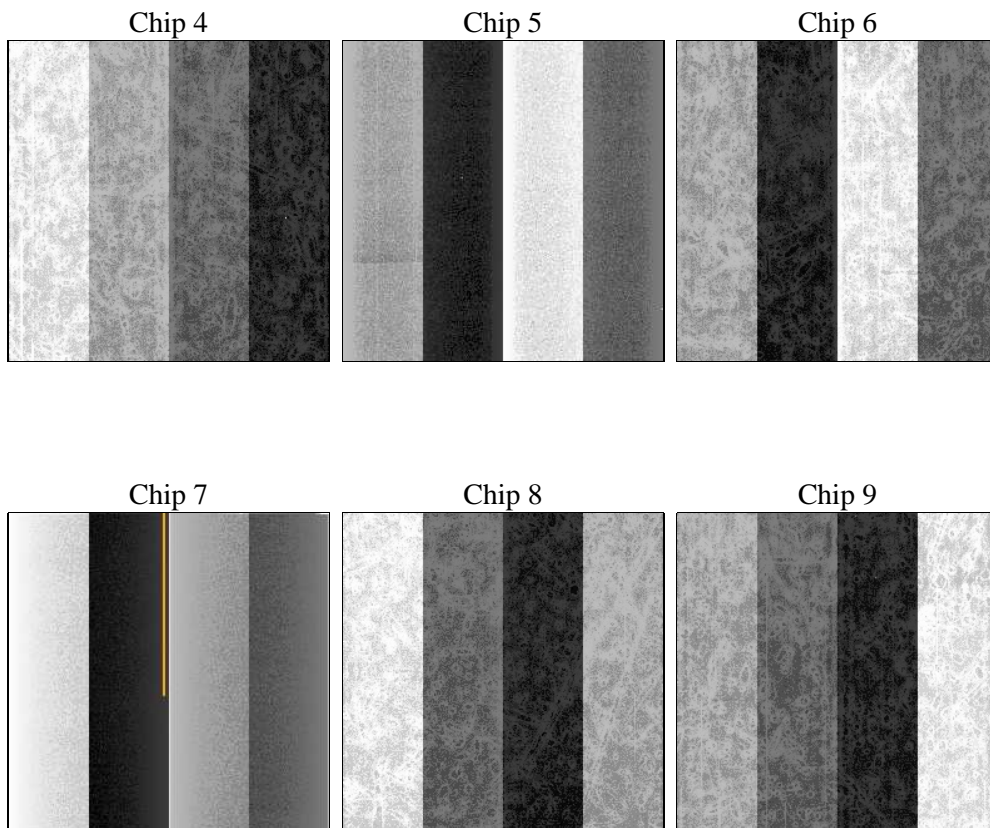
## 2 OBI

### 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	7795.1999710202	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	7795.1999710202	Sum of GTIs [s]
date	2012-04-06T05:38:39	Date and time of file creation	ontime5	7795.1999710202	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7795.1999710202	Sum of GTIs [s]
			ontime7	7795.1999710202	Sum of GTIs [s]
			ontime8	7795.1999710202	Sum of GTIs [s]
			ontime9	7795.1999710202	Sum of GTIs [s]
			l1events	1373761	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	220898	228679	225961	235359	241217	221647	grade 0 events	84799	34528	83140	40531	87314	83419
rejected events	74233	62007	70379	56786	75896	69373		38%	15%	36%	17%	36%	37%
rejected %	33%	27%	31%	24%	31%	31%	grade 1 events	791	258	492	170	561	550
								0%	0%	0%	0%	0%	0%
							grade 2 events	23086	58298	27414	39054	29431	25896
								10%	25%	12%	16%	12%	11%
							grade 3 events	9724	9418	9687	17401	11080	9756
								4%	4%	4%	7%	4%	4%
							grade 4 events	9886	9146	9713	17135	10918	9809
								4%	3%	4%	7%	4%	4%
							grade 5 events	3870	9386	4137	9620	5119	4432
								1%	4%	1%	4%	2%	1%
							grade 6 events	19170	55282	25628	64452	26578	23394
								8%	24%	11%	27%	11%	10%
							grade 7 events	69572	52363	65750	46996	70216	64391
								31%	22%	29%	19%	29%	29%

## 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	49.98135135022383	Alternating exposures requested	N	N
[deg] Pointing Dec	0	40.0234768306605	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	97.41357022282379			
[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)	270488844.968494	270488843.94349			
Observation start date	2006-07-28T15:47:25	2006-07-28T15:47:23			
[s] Observation end time (MET)	270508934.969436	270508933.94443			
Observation end date	2006-07-28T21:22:15	2006-07-28T21:22:13			
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)	2012.04.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7951999710202

### A.2 Comments