

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 58914 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 4 2012

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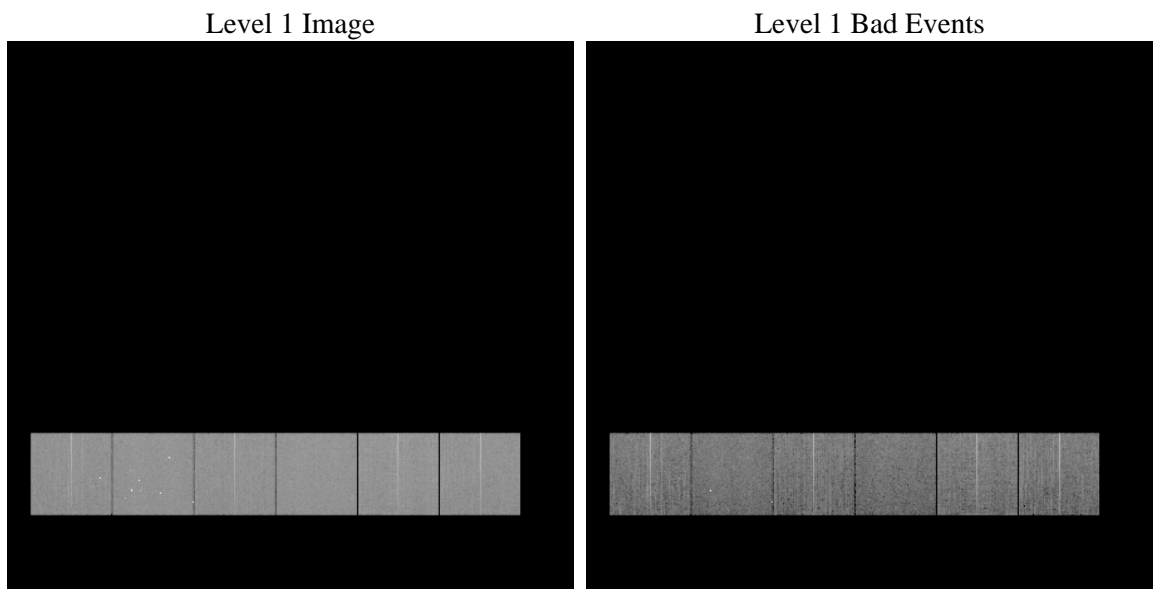
# 1 Front

seq_num	&#160	Sequence number
obs_id	58914	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	252.79065831495	Nominal RA [deg]
dec_nom	0.97293993413548	Nominal Dec [deg]
roll_nom	218.01529455955	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8271.2545180917	Sum of GTIs [s]
livetime	8166.5189130321	Livetime [s]
ontime4	8271.1313980818	Sum of GTIs [s]
ontime5	8271.2134780884	Sum of GTIs [s]
ontime6	8271.1724380851	Sum of GTIs [s]
ontime7	8271.2545180917	Sum of GTIs [s]
ontime8	8271.0903581083	Sum of GTIs [s]
ontime9	8271.295558095	Sum of GTIs [s]
l2events	913428	Number of level 2 events

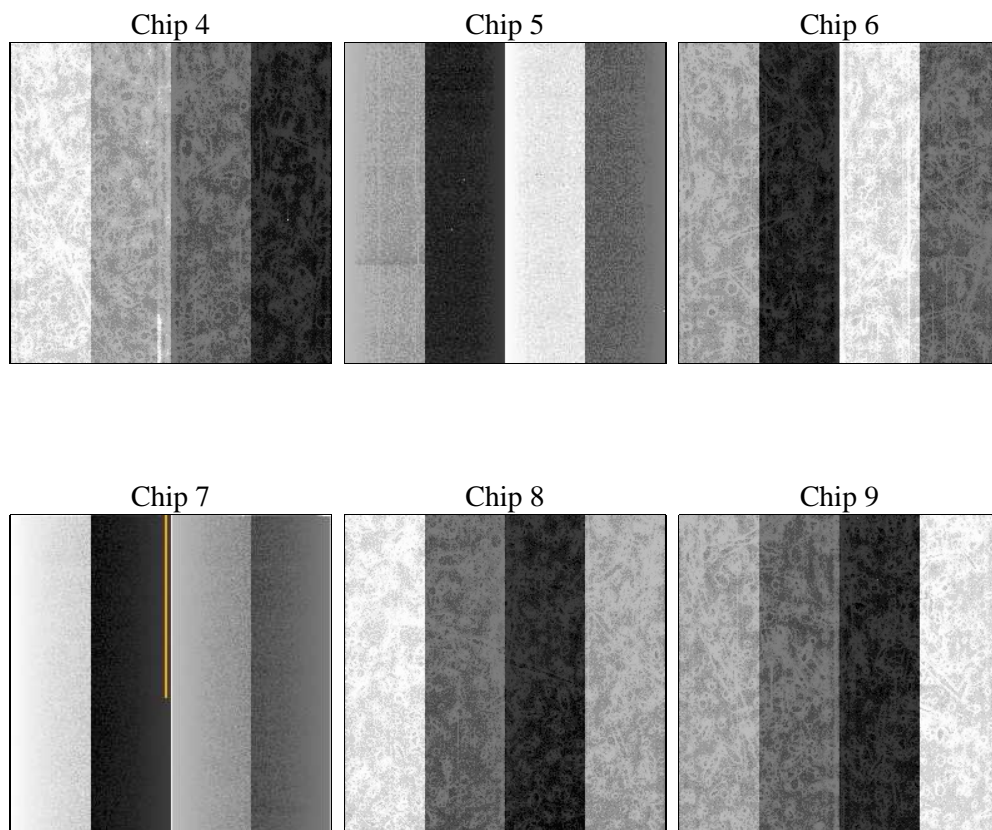
## 2 OBI

### 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	8.4.3.1	Processing system revision	ontime	8271.2545180917	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	8271.1313980818	Sum of GTIs [s]
date	2012-04-04T04:59:53	Date and time of file creation	ontime5	8271.2134780884	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8271.1724380851	Sum of GTIs [s]
			ontime7	8271.2545180917	Sum of GTIs [s]
			ontime8	8271.0903581083	Sum of GTIs [s]
			ontime9	8271.295558095	Sum of GTIs [s]
			l1events	1437891	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	228355	250827	232302	244817	251458	230132	grade 0 events	86496	36377	84737	40483	89145	83592
rejected events	80652	71177	74905	61513	83267	77697		37%	14%	36%	16%	35%	36%
rejected %	35%	28%	32%	25%	33%	33%	grade 1 events	840	264	523	173	562	586
								0%	0%	0%	0%	0%	0%
							grade 2 events	22090	64763	27391	40044	30146	25713
								9%	25%	11%	16%	11%	11%
							grade 3 events	10059	8309	9774	17785	11311	10017
								4%	3%	4%	7%	4%	4%
							grade 4 events	10177	8266	9871	17579	11199	9904
								4%	3%	4%	7%	4%	4%
							grade 5 events	4045	9880	4138	10311	5410	4712
								1%	3%	1%	4%	2%	2%
							grade 6 events	18921	62000	25681	67505	26447	23255
								8%	24%	11%	27%	10%	10%
							grade 7 events	75727	60968	70187	50937	77238	72353
								33%	24%	30%	20%	30%	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	252.7906583149453	Alternating exposures requested	N	N
[deg] Pointing Dec	0	0.9729399341354771	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	218.0152945595523			
[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)	267562024.981399	267562023.9564			
Observation start date	2006-06-24T18:47:05	2006-06-24T18:47:03			
[s] Observation end time (MET)	267583334.732396	267583333.7074			
Observation end date	2006-06-25T00:42:15	2006-06-25T00:42:13			
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)	2012.04.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2712545180917

### A.2 Comments