

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 59603 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 25 2012

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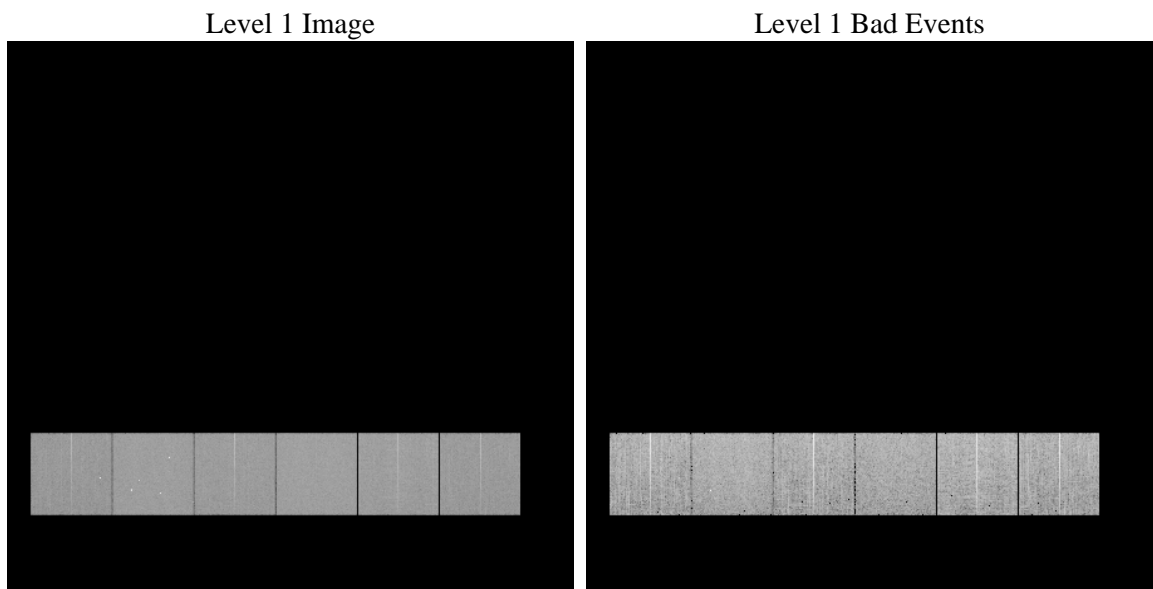
# 1 Front

seq_num	&#160	Sequence number
obs_id	59603	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	299.97916235772	Nominal RA [deg]
dec_nom	-21.478937368099	Nominal Dec [deg]
roll_nom	99.763572579805	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7795.1999709606	Sum of GTIs [s]
livetime	7696.4924552224	Livetime [s]
ontime4	6557.1494386494	Sum of GTIs [s]
ontime5	7795.1999709606	Sum of GTIs [s]
ontime6	7169.6930833757	Sum of GTIs [s]
ontime7	7795.1999709606	Sum of GTIs [s]
ontime8	7279.8859632909	Sum of GTIs [s]
ontime9	6842.3544662893	Sum of GTIs [s]
l2events	1004708	Number of level 2 events

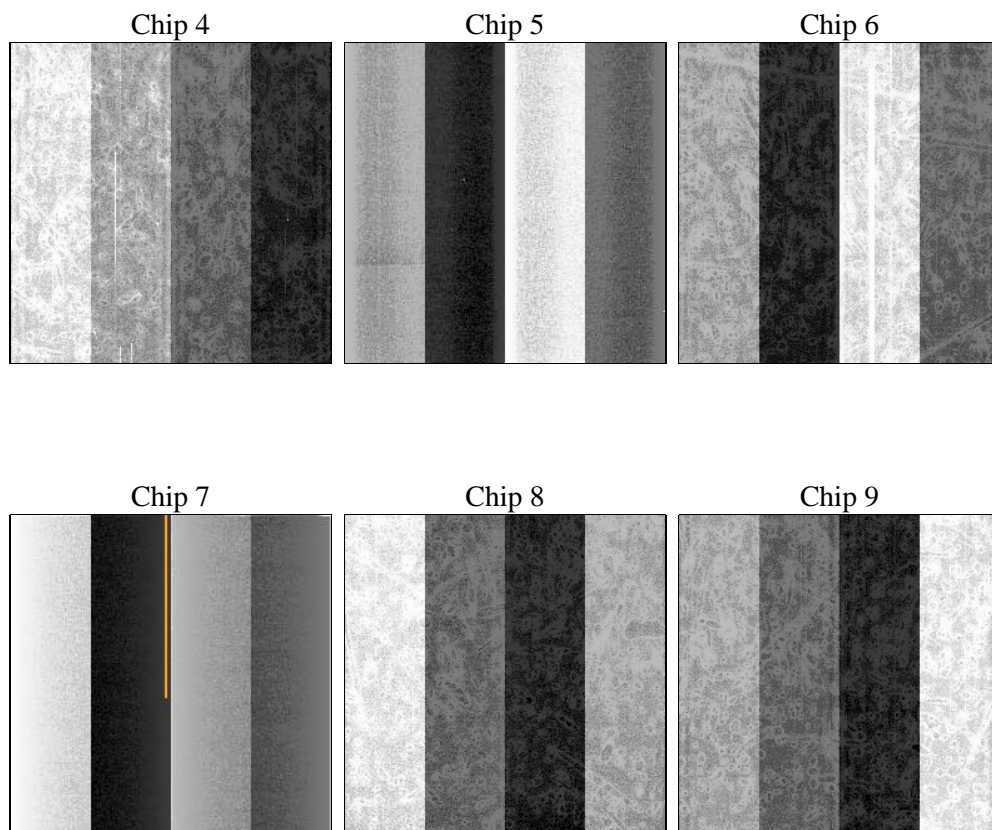
## 2 OBI

### 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	8.5.1.1	Processing system revision	ontime	7795.1999709606	Sum of GTIs [s]
caldsver	4.5.5	&#160	ontime4	6557.1494386494	Sum of GTIs [s]
date	2012-12-25T07:20:48	Date and time of file creation	ontime5	7795.1999709606	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	7169.6930833757	Sum of GTIs [s]
			ontime7	7795.1999709606	Sum of GTIs [s]
			ontime8	7279.8859632909	Sum of GTIs [s]
			ontime9	6842.3544662893	Sum of GTIs [s]
			l1events	1403830	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	206212	246881	230012	257140	247570	216015	grade 0 events	87672	42964	95997	49369	100305	87991
rejected events	55177	55155	53801	49856	61481	55437		42%	17%	41%	19%	40%	40%
rejected %	26%	22%	23%	19%	24%	25%	grade 1 events	683	216	480	163	566	545
								0%	0%	0%	0%	0%	0%
							grade 2 events	24104	66987	30588	45615	32597	27698
								11%	27%	13%	17%	13%	12%
							grade 3 events	9937	11453	10964	20419	12399	10455
								4%	4%	4%	7%	5%	4%
							grade 4 events	10214	11216	10973	20553	12453	10369
								4%	4%	4%	7%	5%	4%
							grade 5 events	2999	8803	3484	8743	4198	3447
								1%	3%	1%	3%	1%	1%
							grade 6 events	19172	59182	27771	71409	28421	24135
								9%	23%	12%	27%	11%	11%
							grade 7 events	51431	46060	49755	40869	56631	51375
								24%	18%	21%	15%	22%	23%

## 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	299.9791623577235	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-21.47893736809914	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	99.76357257980479			
[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)	235767074.960572	235767073.93558			
Observation start date	2005-06-21T18:51:15	2005-06-21T18:51:13			
[s] Observation end time (MET)	235807441.512414	235807440.48743			
Observation end date	2005-06-22T06:04:02	2005-06-22T06:04:00			
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)	2013.01.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7951999709606

### A.2 Comments