

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 59200 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Mar 21 2012

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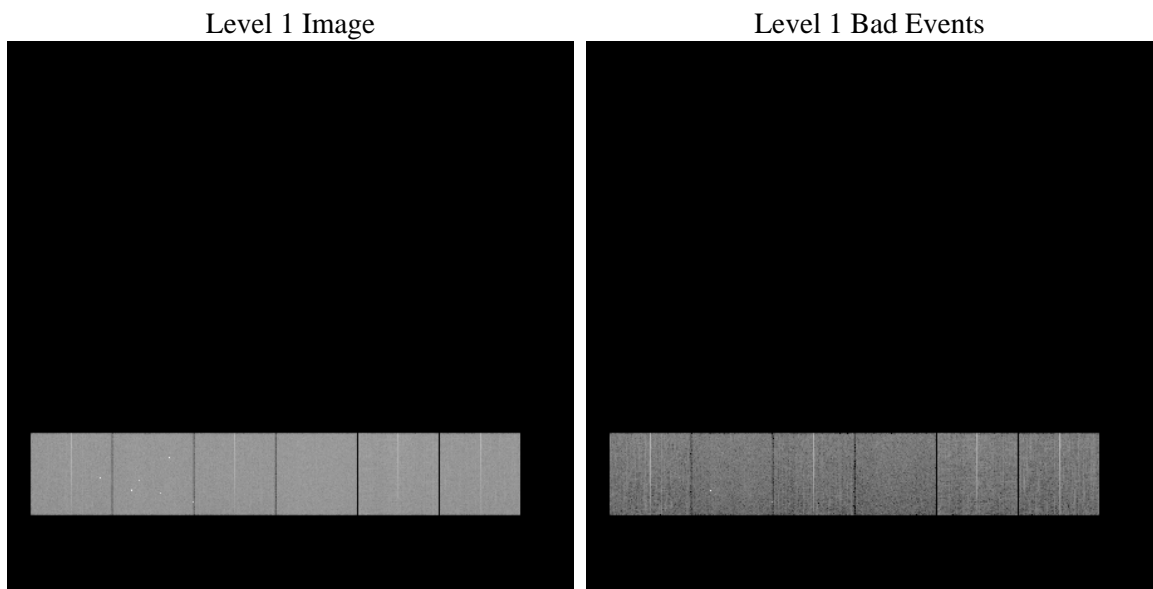
# 1 Front

seq_num	&#160	Sequence number
obs_id	59200	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	87.028508274599	Nominal RA [deg]
dec_nom	-3.4974075827694	Nominal Dec [deg]
roll_nom	332.36795956722	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8277.3781130314	Sum of GTIs [s]
livetime	8172.5649673255	Livetime [s]
ontime4	8278.3999691606	Sum of GTIs [s]
ontime5	8278.3999691606	Sum of GTIs [s]
ontime6	8278.3999691606	Sum of GTIs [s]
ontime7	8277.3781130314	Sum of GTIs [s]
ontime8	8278.3986494541	Sum of GTIs [s]
ontime9	8277.3370730281	Sum of GTIs [s]
l2events	1011087	Number of level 2 events

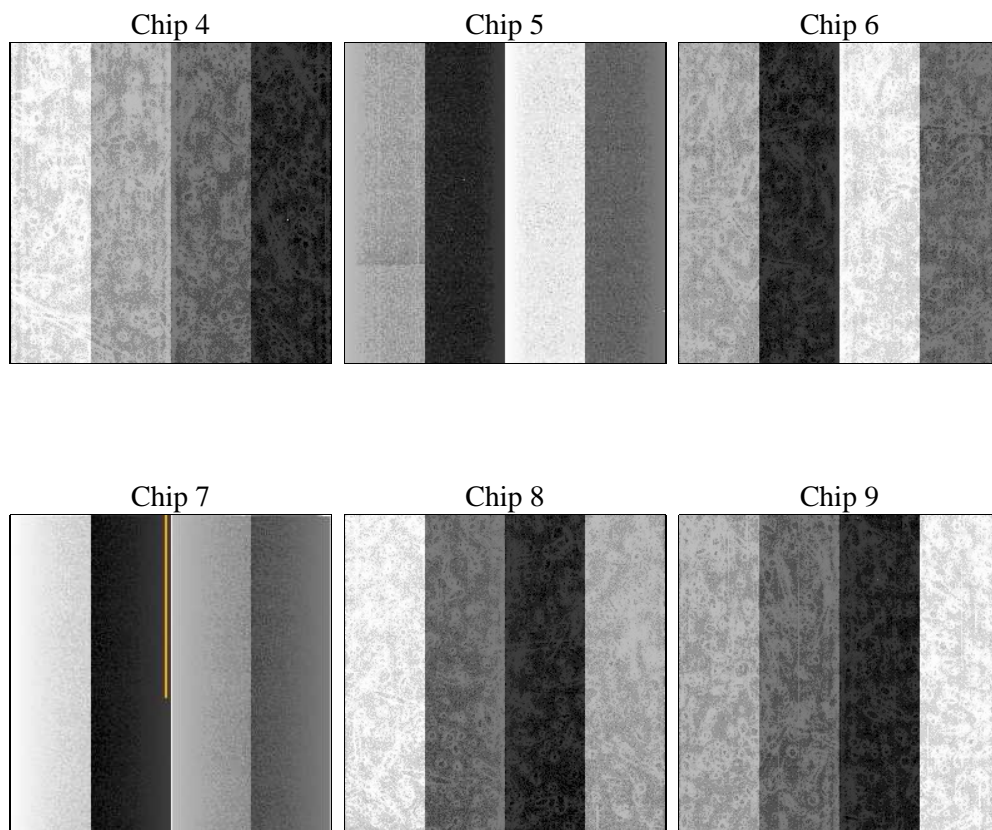
## 2 OBI

### 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	8277.3781130314	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime4	8278.3999691606	Sum of GTIs [s]
date	2012-03-22T00:52:55	Date and time of file creation	ontime5	8278.3999691606	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8278.3999691606	Sum of GTIs [s]
			ontime7	8277.3781130314	Sum of GTIs [s]
			ontime8	8278.3986494541	Sum of GTIs [s]
			ontime9	8277.3370730281	Sum of GTIs [s]
			l1events	1458300	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	235776	243947	238332	250244	254170	235831	grade 0 events	97794	39155	96363	45619	99780	94043
rejected events	68138	61068	60211	52421	68403	64396		41%	16%	40%	18%	39%	39%
rejected %	28%	25%	25%	20%	26%	27%	grade 1 events	762	279	523	164	545	571
								0%	0%	0%	0%	0%	0%
							grade 2 events	26368	65013	31019	43546	32965	29853
								11%	26%	13%	17%	12%	12%
							grade 3 events	11193	10355	11194	19741	12219	11038
								4%	4%	4%	7%	4%	4%
							grade 4 events	11060	10183	11058	19481	12180	11091
								4%	4%	4%	7%	4%	4%
							grade 5 events	3802	9940	3794	9112	4596	4247
								1%	4%	1%	3%	1%	1%
							grade 6 events	21286	58240	28570	69436	28684	25410
								9%	23%	11%	27%	11%	10%
							grade 7 events	63511	50782	55811	43145	63201	59578
								26%	20%	23%	17%	24%	25%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	87.02850827459852
[deg] Pointing Dec	0	-3.497407582769375
[deg] Pointing Roll	0.0	332.3679595672183
[mm] SIM focus pos	-0.684267	-1.526339935833849
[mm] SIM defocus	0	0.006996703570447904
[mm] SIM translation stage pos	-190.132523	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	252491924.87989	252491923.85489
Observation start date	2006-01-01T08:38:45	2006-01-01T08:38:43
[s] Observation end time (MET)	252504415.530468	252504414.50547
Observation end date	2006-01-01T12:06:56	2006-01-01T12:06:54
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.03.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2773781130314

### A.2 Comments