

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 59672 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 23 2012

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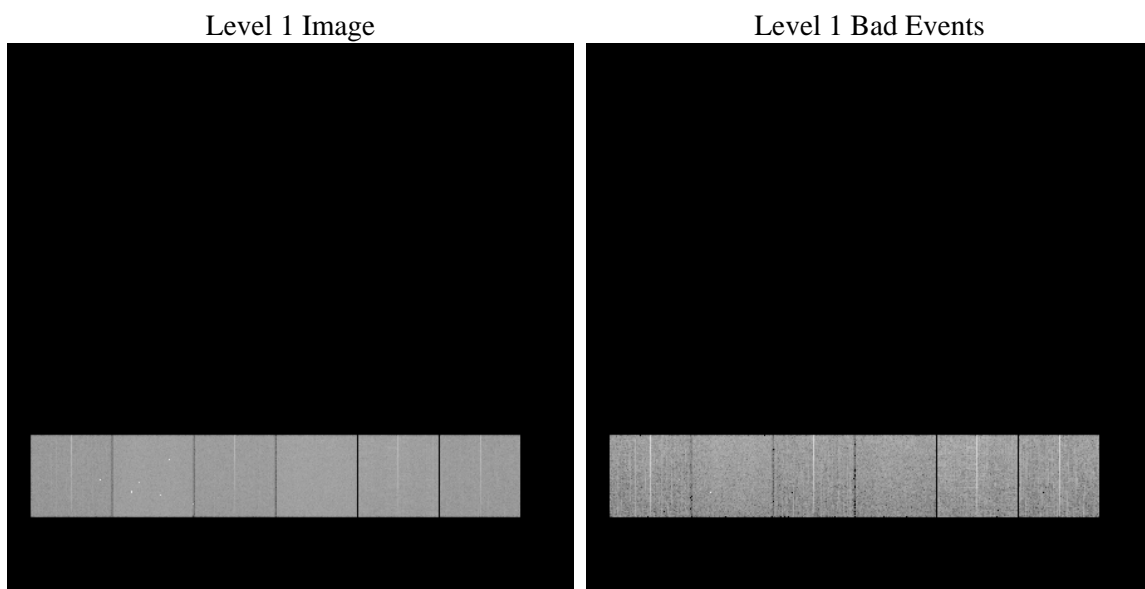
# 1 Front

seq_num	&#160	Sequence number
obs_id	59672	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	219.03409411	Nominal RA [deg]
dec_nom	-41.983193773573	Nominal Dec [deg]
roll_nom	357.64644898452	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8278.3999691606	Sum of GTIs [s]
livetime	8173.573884097	Livetime [s]
ontime4	6759.4348720908	Sum of GTIs [s]
ontime5	8278.3999691606	Sum of GTIs [s]
ontime6	7260.7329875231	Sum of GTIs [s]
ontime7	8278.3999691606	Sum of GTIs [s]
ontime8	7545.9391228557	Sum of GTIs [s]
ontime9	7082.4795395434	Sum of GTIs [s]
l2events	1075169	Number of level 2 events

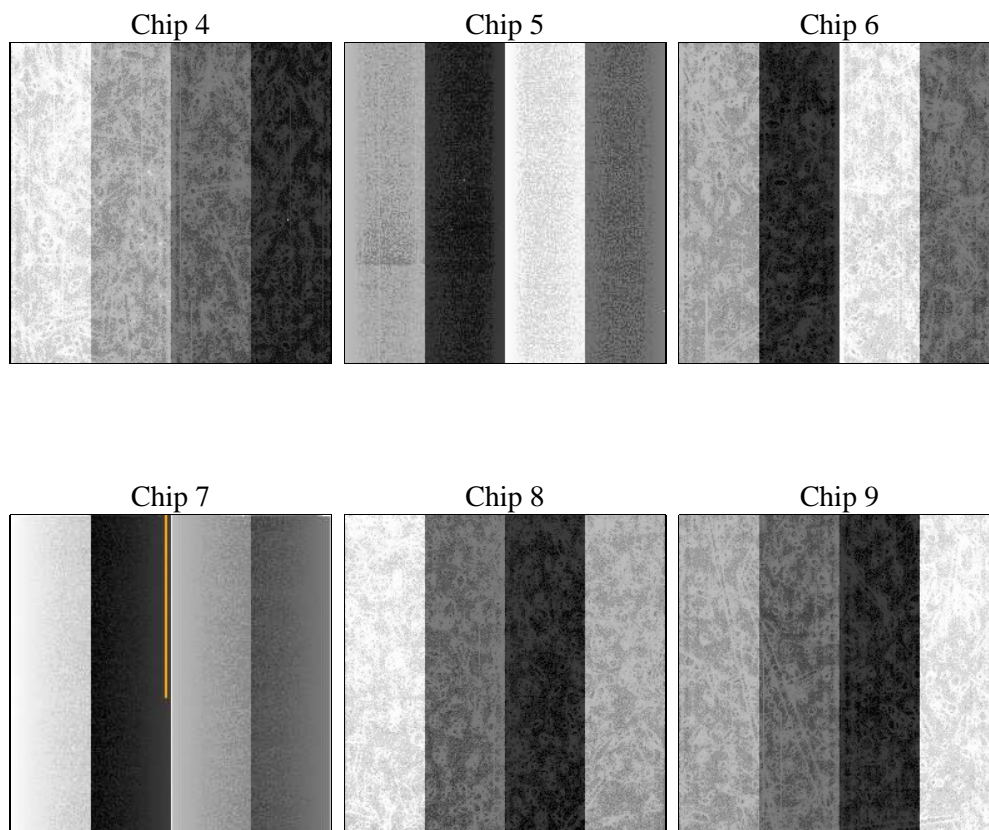
## 2 OBI

### 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	8278.3999691606	Sum of GTIs [s]
caldsver	4.5.5	&#160	ontime4	6759.4348720908	Sum of GTIs [s]
date	2012-12-23T04:18:33	Date and time of file creation	ontime5	8278.3999691606	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	7260.7329875231	Sum of GTIs [s]
			ontime7	8278.3999691606	Sum of GTIs [s]
			ontime8	7545.9391228557	Sum of GTIs [s]
			ontime9	7082.4795395434	Sum of GTIs [s]
			l1events	1491060	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	216212	264644	237895	278496	264642	229171	grade 0 events	94193	44233	99995	53468	107225	95099
rejected events	54470	58740	53770	52431	64974	55767		43%	16%	42%	19%	40%	41%
rejected %	25%	22%	22%	18%	24%	24%	grade 1 events	783	204	549	160	620	577
								0%	0%	0%	0%	0%	0%
							grade 2 events	25514	74218	31808	49598	35422	29670
								11%	28%	13%	17%	13%	12%
							grade 3 events	10548	11649	11350	22458	13318	11177
								4%	4%	4%	8%	5%	4%
							grade 4 events	10950	11666	11617	22329	13107	11197
								5%	4%	4%	8%	4%	4%
							grade 5 events	3151	9144	3429	9254	4295	3572
								1%	3%	1%	3%	1%	1%
							grade 6 events	20537	64138	29355	78212	30596	26261
								9%	24%	12%	28%	11%	11%
							grade 7 events	50536	49392	49792	43017	60059	51618
								23%	18%	20%	15%	22%	22%

## 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	219.0340941099995
[deg] Pointing Dec	0	-41.98319377357319
[deg] Pointing Roll	0.0	357.6464489845245
[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)	231461666.814304	231461665.7893
Observation start date	2005-05-02T22:54:27	2005-05-02T22:54:25
[s] Observation end time (MET)	231485254.115379	231485253.09037
Observation end date	2005-05-03T05:27:34	2005-05-03T05:27:33
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)	2013.01.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2783999691606

### A.2 Comments