

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 58867 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 5 2012

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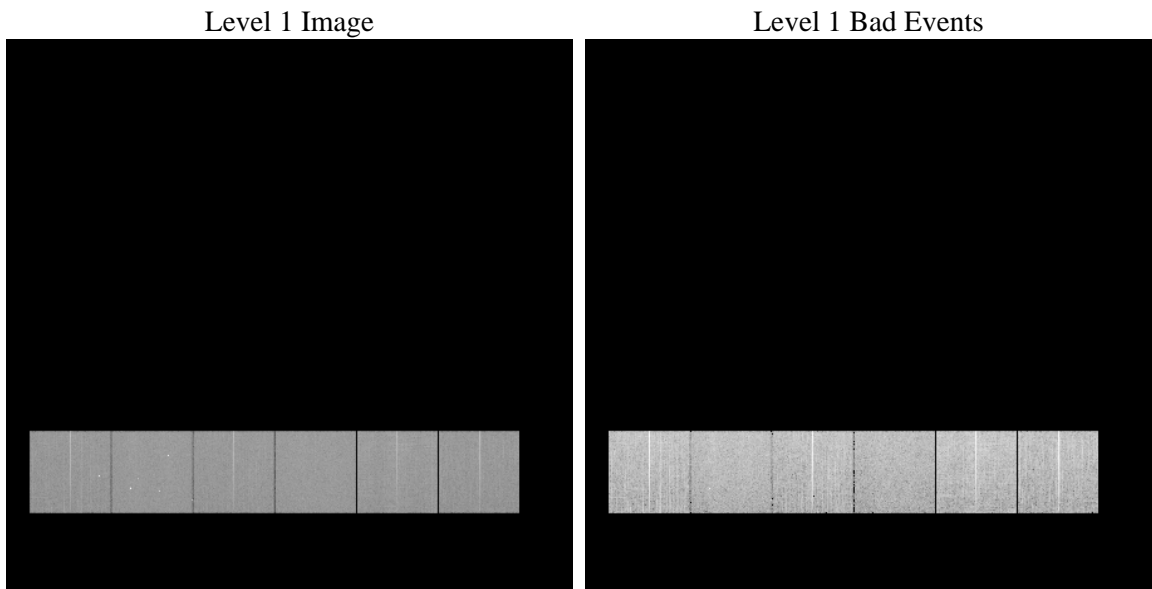
# 1 Front

seq_num	&#160	Sequence number
obs_id	58867	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	337.39135198106	Nominal RA [deg]
dec_nom	-36.572251236215	Nominal Dec [deg]
roll_nom	71.19654048679	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7791.9775112867	Sum of GTIs [s]
livetime	7693.3108002732	Livetime [s]
ontime4	7791.8543912768	Sum of GTIs [s]
ontime5	7791.9364712834	Sum of GTIs [s]
ontime6	7791.8954312801	Sum of GTIs [s]
ontime7	7791.9775112867	Sum of GTIs [s]
ontime8	7791.8133512735	Sum of GTIs [s]
ontime9	7791.9999710321	Sum of GTIs [s]
l2events	855564	Number of level 2 events

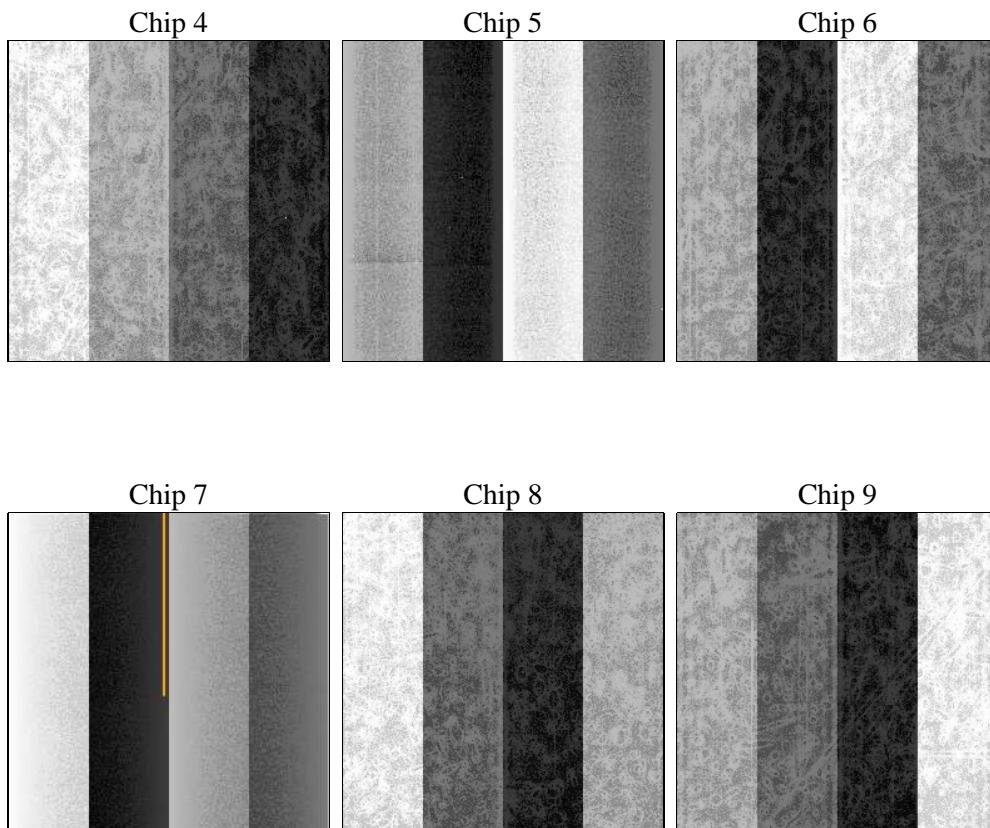
## 2 OBI

### 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	7791.9775112867	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	7791.8543912768	Sum of GTIs [s]
date	2012-04-06T02:26:37	Date and time of file creation	ontime5	7791.9364712834	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7791.8954312801	Sum of GTIs [s]
			ontime7	7791.9775112867	Sum of GTIs [s]
			ontime8	7791.8133512735	Sum of GTIs [s]
			ontime9	7791.9999710321	Sum of GTIs [s]
			l1events	1333864	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	212295	226161	217629	228523	235505	213751	grade 0 events	79780	33267	79658	38120	83226	77628
rejected events	74774	63030	69971	56783	78199	71095		37%	14%	36%	16%	35%	36%
rejected %	35%	27%	32%	24%	33%	33%	grade 1 events	706	362	450	154	543	500
								0%	0%	0%	0%	0%	0%
							grade 2 events	21736	57684	25719	37529	28177	24756
								10%	25%	11%	16%	11%	11%
							grade 3 events	9379	8751	9348	16605	10739	9255
								4%	3%	4%	7%	4%	4%
							grade 4 events	9408	8757	9378	16798	10524	9447
								4%	3%	4%	7%	4%	4%
							grade 5 events	3769	9224	4171	9904	5106	4352
								1%	4%	1%	4%	2%	2%
							grade 6 events	17287	54744	23614	62746	24706	21629
								8%	24%	10%	27%	10%	10%
							grade 7 events	70230	53372	65291	46667	72484	66184
								33%	23%	30%	20%	30%	30%

## 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	337.3913519810613
[deg] Pointing Dec	0	-36.57225123621505
[deg] Pointing Roll	0.0	71.1965404867901
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.8505141146731063
[mm] SIM translation stage pos	-190.132523	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	270033191.447103	270033190.42213
Observation start date	2006-07-23T09:13:11	2006-07-23T09:13:10
[s] Observation end time (MET)	270044353.697624	270044352.67266
Observation end date	2006-07-23T12:19:14	2006-07-23T12:19:12
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)	2012.04.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7919775112867

### A.2 Comments