

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57397 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 28 2012

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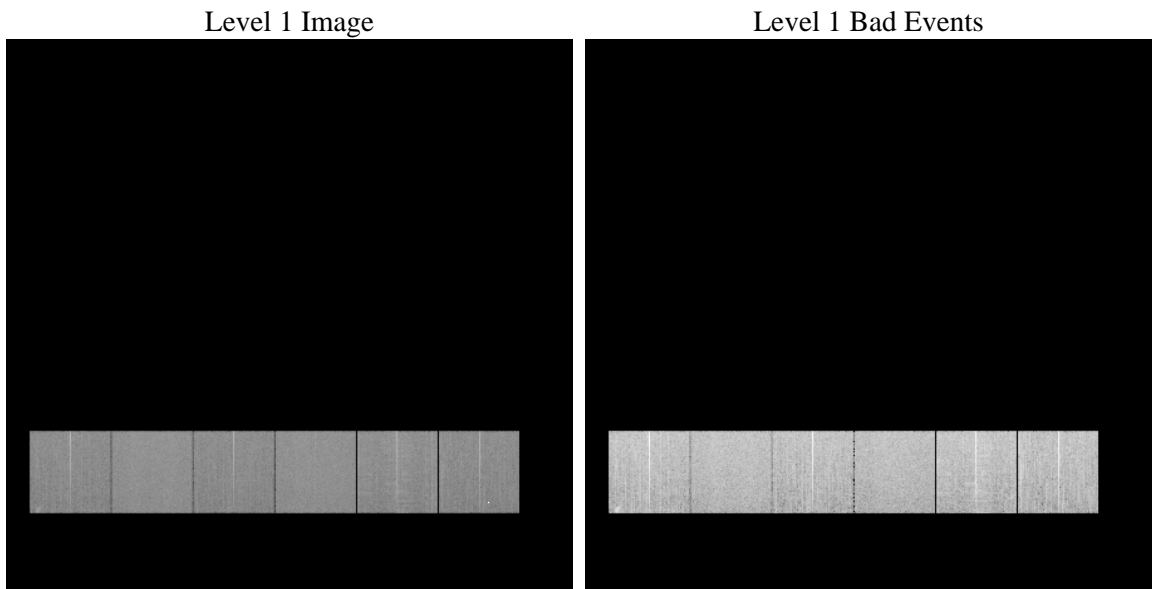
# 1 Front

seq_num	&#160	Sequence number
obs_id	57397	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	116.96038639712	Nominal RA [deg]
dec_nom	45.492698238884	Nominal Dec [deg]
roll_nom	161.89406420845	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8261.0688416362	Sum of GTIs [s]
livetime	8156.4622137449	Livetime [s]
ontime4	8257.7047908306	Sum of GTIs [s]
ontime5	8261.0278016329	Sum of GTIs [s]
ontime6	8260.9867616296	Sum of GTIs [s]
ontime7	8261.0688416362	Sum of GTIs [s]
ontime8	8260.904681623	Sum of GTIs [s]
ontime9	8261.1098816395	Sum of GTIs [s]
l2events	554591	Number of level 2 events

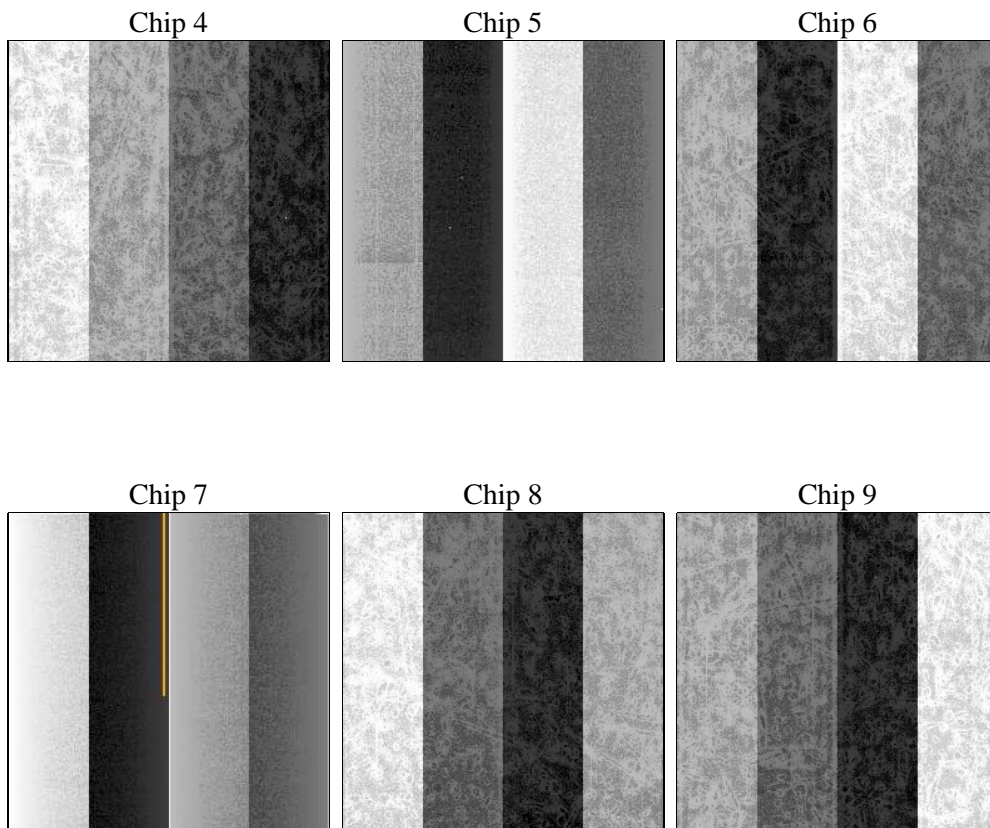
## 2 OBI

### 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	8.4.4	Processing system revision	ontime	8261.0688416362	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	8257.7047908306	Sum of GTIs [s]
date	2012-05-28T15:05:36	Date and time of file creation	ontime5	8261.0278016329	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8260.9867616296	Sum of GTIs [s]
			ontime7	8261.0688416362	Sum of GTIs [s]
			ontime8	8260.904681623	Sum of GTIs [s]
			ontime9	8261.1098816395	Sum of GTIs [s]
			l1events	1071095	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	165724	192563	164941	192032	186181	169654	grade 0 events	46992	16594	46779	23114	50860	46008
rejected events	83389	73884	76833	69917	84816	81278		28%	8%	28%	12%	27%	27%
rejected %	50%	38%	46%	36%	45%	47%	grade 1 events	464	195	284	152	357	355
								0%	0%	0%	0%	0%	0%
							grade 2 events	13155	43217	15765	26709	19077	17496
								7%	22%	9%	13%	10%	10%
							grade 3 events	5843	5539	5671	11309	7196	5757
								3%	2%	3%	5%	3%	3%
							grade 4 events	5712	5215	5699	11171	7026	5863
								3%	2%	3%	5%	3%	3%
							grade 5 events	4163	9733	4381	11380	5639	5006
								2%	5%	2%	5%	3%	2%
							grade 6 events	10796	48344	14385	50056	17418	13421
								6%	25%	8%	26%	9%	7%
							grade 7 events	78599	63726	71977	58141	78608	75748
								47%	33%	43%	30%	42%	44%

## 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	116.9603863971169
[deg] Pointing Dec	0	45.4926982388841
[deg] Pointing Roll	0.0	161.8940642084464
[mm] SIM focus pos	-1.429586	-0.6828225247311905
[mm] SIM defocus	0.1037507710433287	0.8505141146731063
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	347748218.852003	347748217.827
Observation start date	2009-01-07T20:43:39	2009-01-07T20:43:37
[s] Observation end time (MET)	347772199.753189	347772198.72819
Observation end date	2009-01-08T03:23:20	2009-01-08T03:23:18
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
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)	2012.06.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2610688416362

### A.2 Comments