

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57816 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 14 2012

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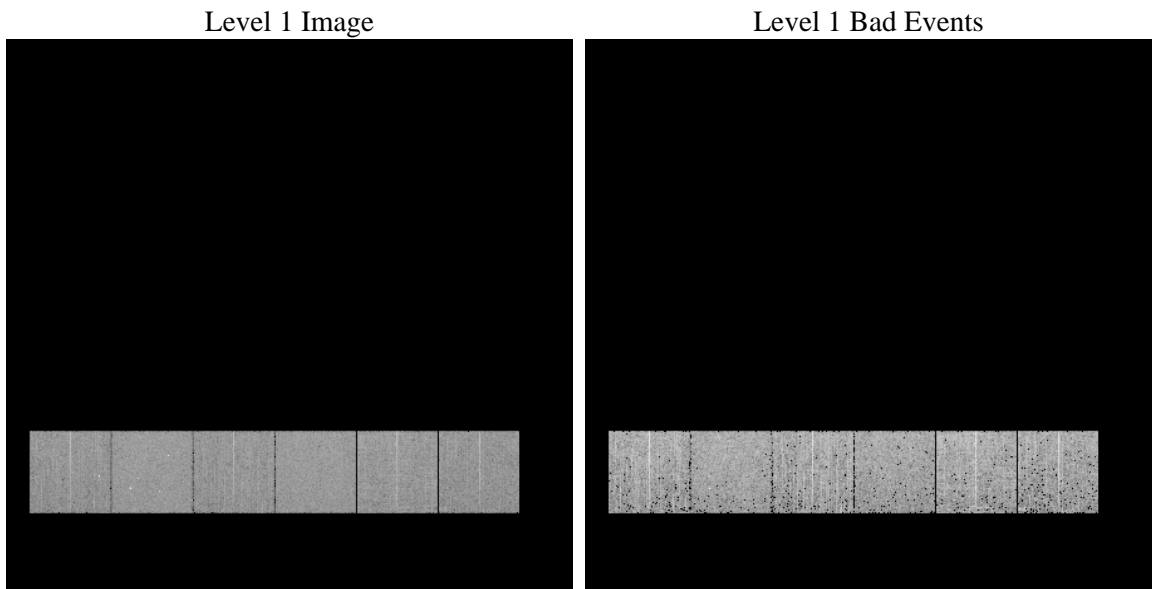
# 1 Front

seq_num	&#160	Sequence number
obs_id	57816	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	208.99509716891	Nominal RA [deg]
dec_nom	0.97169816326743	Nominal Dec [deg]
roll_nom	227.31534692399	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2790.3999896646	Sum of GTIs [s]
livetime	2755.0662648183	Livetime [s]
ontime4	2790.3999896646	Sum of GTIs [s]
ontime5	2790.3999896646	Sum of GTIs [s]
ontime6	2790.3999896646	Sum of GTIs [s]
ontime7	2790.3999896646	Sum of GTIs [s]
ontime8	2790.3999896646	Sum of GTIs [s]
ontime9	2790.3999896646	Sum of GTIs [s]
l2events	210523	Number of level 2 events

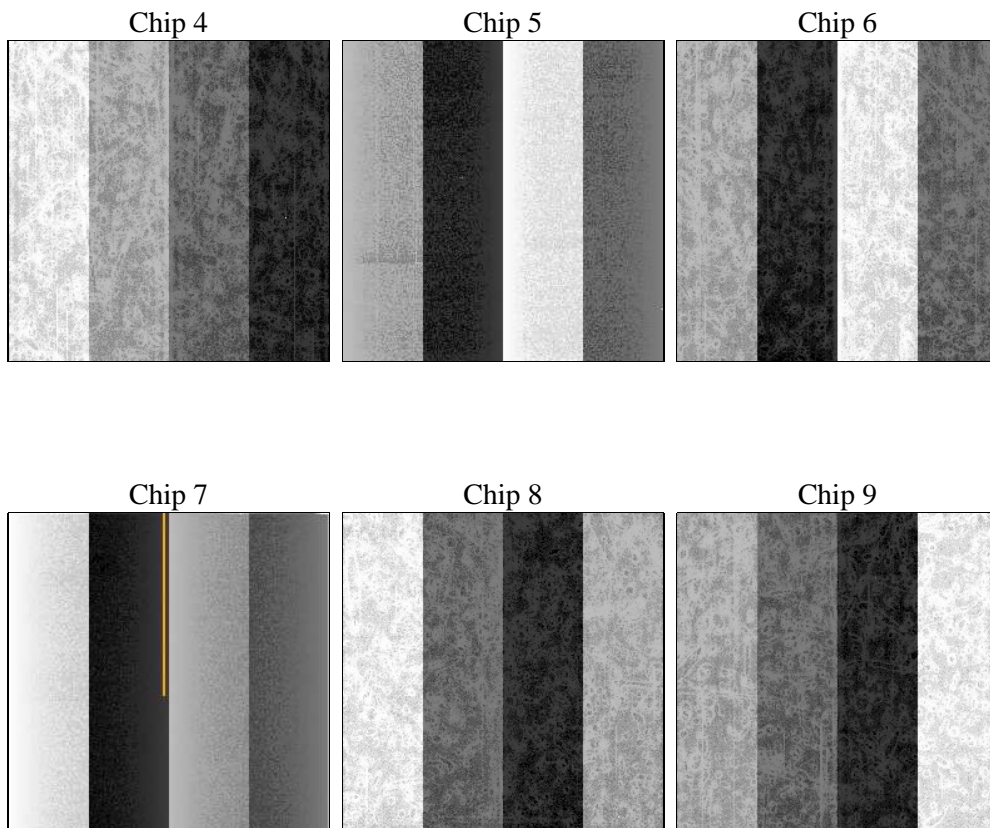
## 2 OBI

### 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	2790.3999896646	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	2790.3999896646	Sum of GTIs [s]
date	2012-05-15T01:47:31	Date and time of file creation	ontime5	2790.3999896646	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	2790.3999896646	Sum of GTIs [s]
			ontime7	2790.3999896646	Sum of GTIs [s]
			ontime8	2790.3999896646	Sum of GTIs [s]
			ontime9	2790.3999896646	Sum of GTIs [s]
			l1events	378128	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	58871	68178	60057	67191	66346	57485	grade 0 events	19048	7681	17989	9208	19663	17858
rejected events	26002	23805	26178	22051	28126	24089		32%	11%	29%	13%	29%	31%
rejected %	44%	34%	43%	32%	42%	41%	grade 1 events	178	167	87	56	117	129
								0%	0%	0%	0%	0%	0%
							grade 2 events	5230	15646	5930	9956	7052	5810
								8%	22%	9%	14%	10%	10%
							grade 3 events	2204	2277	2169	4299	2684	2305
								3%	3%	3%	6%	4%	4%
							grade 4 events	2221	2072	2278	4329	2528	2195
								3%	3%	3%	6%	3%	3%
							grade 5 events	1389	3359	1487	3738	1873	1610
								2%	4%	2%	5%	2%	2%
							grade 6 events	4211	16764	5556	17400	6333	5267
								7%	24%	9%	25%	9%	9%
							grade 7 events	24390	20212	24561	18205	26096	22311
								41%	29%	40%	27%	39%	38%

## 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	208.9950971689105
[deg] Pointing Dec	0	0.971698163267427
[deg] Pointing Roll	0.0	227.3153469239907
[mm] SIM focus pos	-1.429586	-0.7809083437167272
[mm] SIM defocus	0.1037507710433287	0.7524282956875696
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	327156903.38028	327156902.35528
Observation start date	2008-05-14T12:55:03	2008-05-14T12:55:02
[s] Observation end time (MET)	327190972.33194	327190971.30694
Observation end date	2008-05-14T22:22:52	2008-05-14T22:22:51
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.7903999896646

### A.2 Comments