

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57399 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 28 2012

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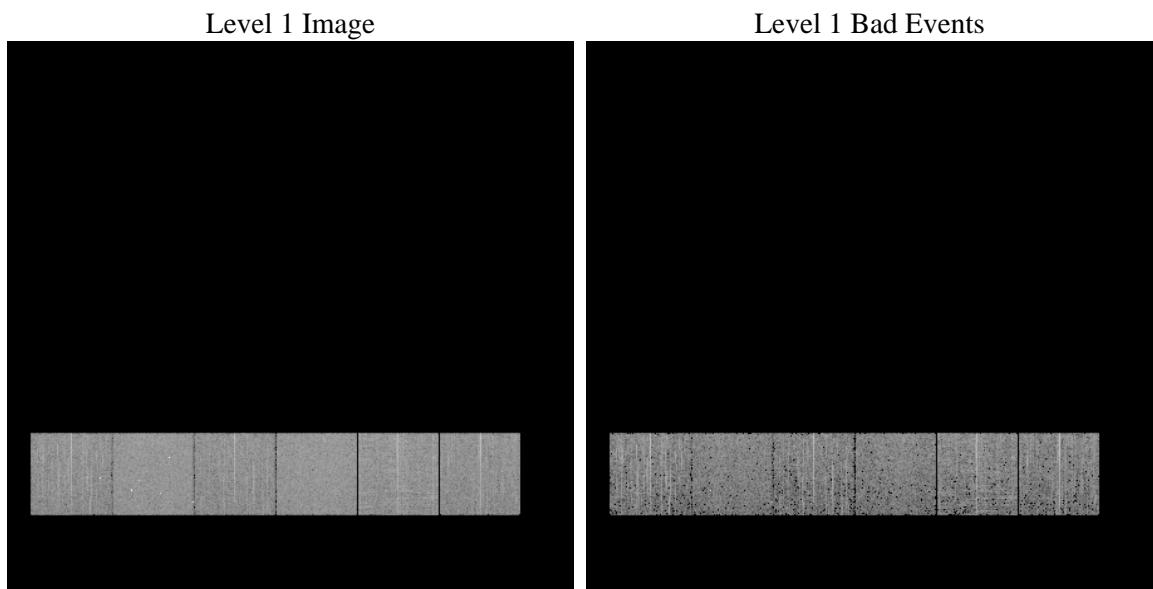
# 1 Front

seq_num	&#160	Sequence number
obs_id	57399	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	88.005068469153	Nominal RA [deg]
dec_nom	38.869904162892	Nominal Dec [deg]
roll_nom	232.94296141439	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	189266	Number of level 2 events

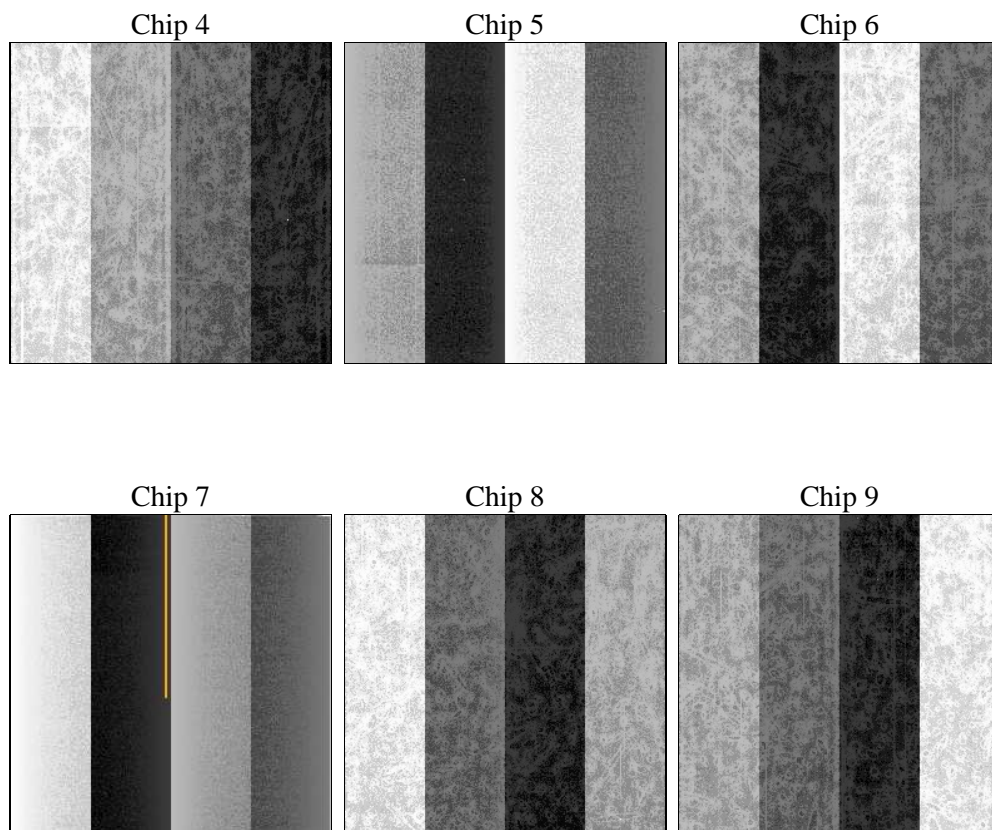
## 2 OBI

### 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	2012-05-28T14:30:23	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	368231	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	58285	67378	55869	65199	64828	56672	grade 0 events	16223	7129	15854	8099	17498	15874
rejected events	29811	25394	25663	23633	29687	27408		27%	10%	28%	12%	26%	28%
rejected %	51%	37%	45%	36%	45%	48%	grade 1 events	181	102	102	71	126	133
								0%	0%	0%	0%	0%	0%
							grade 2 events	4489	14752	5500	8958	6600	5054
								7%	21%	9%	13%	10%	8%
							grade 3 events	2029	1889	1972	4003	2542	1891
								3%	2%	3%	6%	3%	3%
							grade 4 events	1963	1890	1953	3868	2493	1882
								3%	2%	3%	5%	3%	3%
							grade 5 events	1411	3443	1491	3908	2018	1639
								2%	5%	2%	5%	3%	2%
							grade 6 events	3803	16379	4956	16685	6049	4597
								6%	24%	8%	25%	9%	8%
							grade 7 events	28186	21794	24041	19607	27502	25602
								48%	32%	43%	30%	42%	45%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	88.00506846915252	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	38.86990416289235	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	232.9429614143927	[s] Primary exposure time	3.2	3.2
[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)	347720176.900617	347720175.87562			
Observation start date	2009-01-07T12:56:17	2009-01-07T12:56:15			
[s] Observation end time (MET)	347729639.701085	347729638.67608			
Observation end date	2009-01-07T15:34:00	2009-01-07T15:33:58			
Read mode	TIMED	TIMED			

## 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	2.7903999896646

### A.2 Comments