

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57165 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 4 2012

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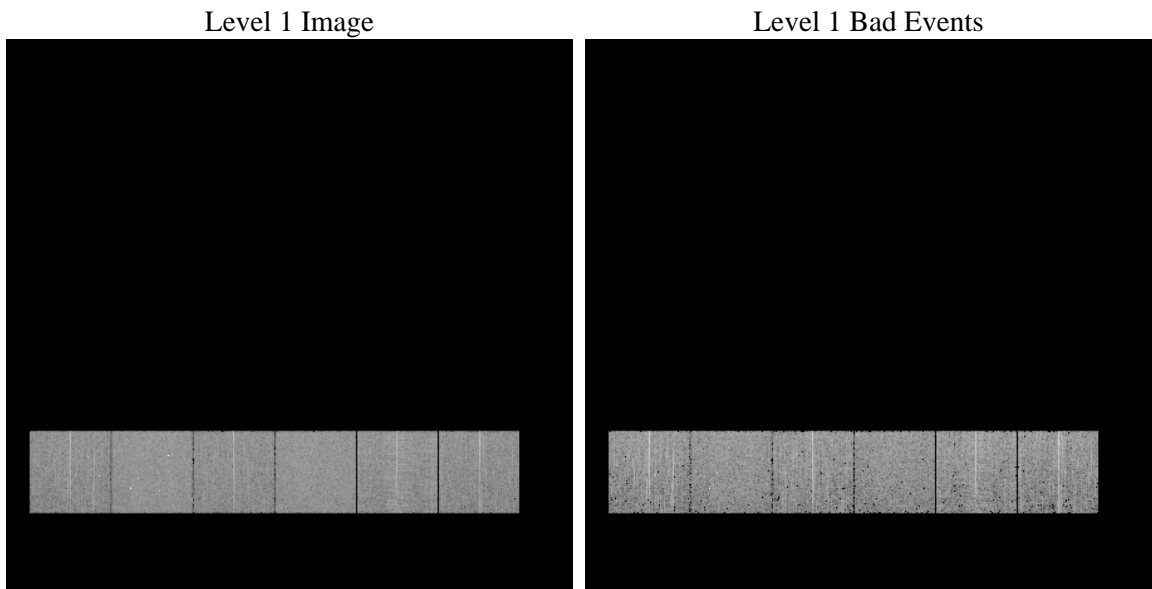
# 1 Front

seq_num	&#160	Sequence number
obs_id	57165	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	224.33414541884	Nominal RA [deg]
dec_nom	-4.9173774645752	Nominal Dec [deg]
roll_nom	118.54763007785	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3164.7574497461	Sum of GTIs [s]
livetime	3124.6833853293	Livetime [s]
ontime4	3164.6343297362	Sum of GTIs [s]
ontime5	3164.7164097428	Sum of GTIs [s]
ontime6	3164.6753697395	Sum of GTIs [s]
ontime7	3164.7574497461	Sum of GTIs [s]
ontime8	3164.5932897329	Sum of GTIs [s]
ontime9	3164.7984897494	Sum of GTIs [s]
l2events	203143	Number of level 2 events

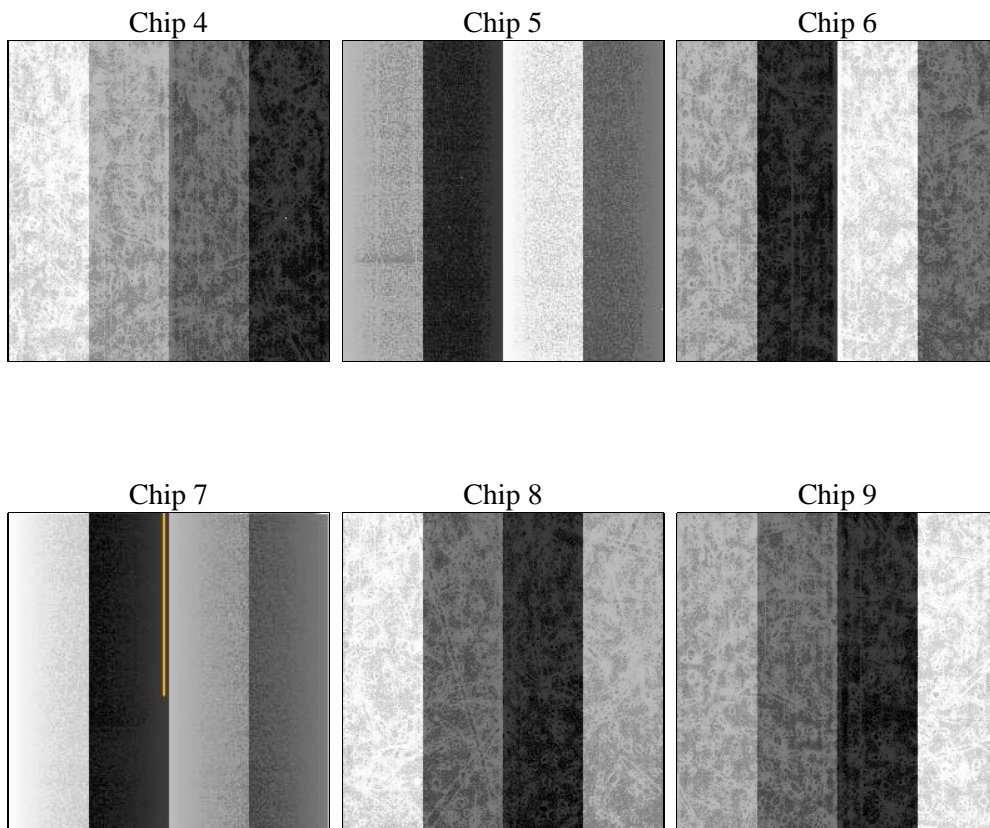
## 2 OBI

### 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	3164.7574497461	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	3164.6343297362	Sum of GTIs [s]
date	2012-06-04T19:48:35	Date and time of file creation	ontime5	3164.7164097428	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	3164.6753697395	Sum of GTIs [s]
			ontime7	3164.7574497461	Sum of GTIs [s]
			ontime8	3164.5932897329	Sum of GTIs [s]
			ontime9	3164.7984897494	Sum of GTIs [s]
			l1events	421949	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	65130	78632	65829	74693	73316	64349	grade 0 events	17578	7847	17154	8651	18939	17034
rejected events	35175	31925	33805	29505	35532	33523		26%	9%	26%	11%	25%	26%
rejected %	54%	40%	51%	39%	48%	52%	grade 1 events	182	244	105	73	135	151
								0%	0%	0%	0%	0%	0%
							grade 2 events	4976	16971	5942	10081	7540	5536
								7%	21%	9%	13%	10%	8%
							grade 3 events	2235	2251	2241	4390	2755	2181
								3%	2%	3%	5%	3%	3%
							grade 4 events	2131	2218	2172	4194	2679	2045
								3%	2%	3%	5%	3%	3%
							grade 5 events	1730	4287	1737	4533	2366	2029
								2%	5%	2%	6%	3%	3%
							grade 6 events	4061	18995	5627	19348	7114	5038
								6%	24%	8%	25%	9%	7%
							grade 7 events	32237	25819	30851	23423	31788	30335
								49%	32%	46%	31%	43%	47%

## 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	224.3341454188432
[deg] Pointing Dec	0	-4.917377464575234
[deg] Pointing Roll	0.0	118.5476300778468
[mm] SIM focus pos	-0.78090834371673	-0.78090834371673
[mm] SIM defocus	0.7524282194390134	0.7524282194390134
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	356630760.642863	356630760.642863
Observation start date	2009-04-20T16:06:01	2009-04-20T16:06:00
[s] Observation end time (MET)	356635306.0603	356635306.0603
Observation end date	2009-04-20T17:21:46	2009-04-20T17:21:46
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
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)	2012.06.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1647574497461

### A.2 Comments