

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57801 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 15 2012

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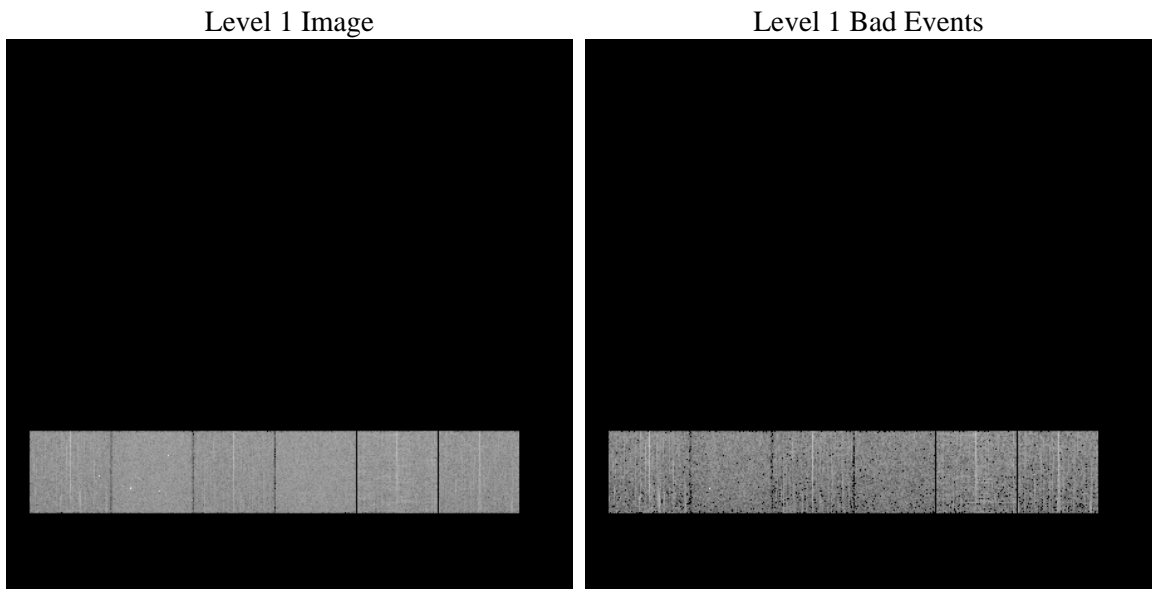
# 1 Front

seq_num	&#160	Sequence number
obs_id	57801	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	215.0243567626	Nominal RA [deg]
dec_nom	-30.019735086167	Nominal Dec [deg]
roll_nom	283.97363564788	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2792.5061605573	Sum of GTIs [s]
livetime	2757.145766107	Livetime [s]
ontime4	2792.3830405474	Sum of GTIs [s]
ontime5	2792.465120554	Sum of GTIs [s]
ontime6	2792.4240805507	Sum of GTIs [s]
ontime7	2792.5061605573	Sum of GTIs [s]
ontime8	2792.3420005441	Sum of GTIs [s]
ontime9	2792.5472005606	Sum of GTIs [s]
l2events	214787	Number of level 2 events

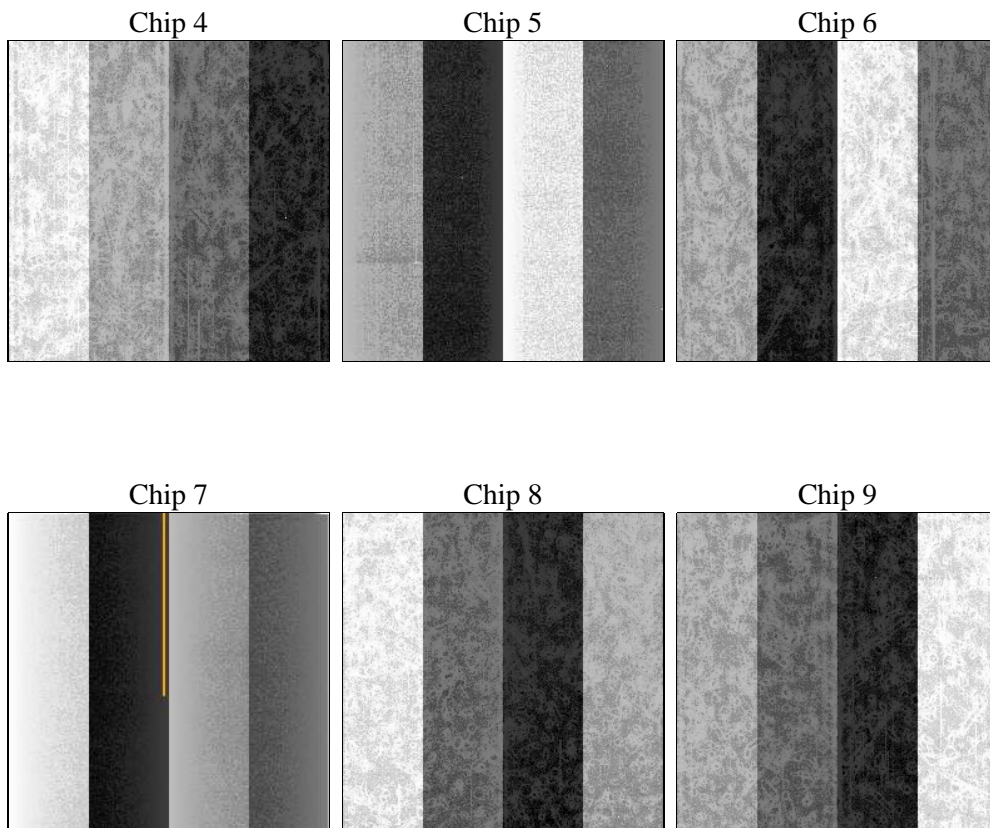
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2792.5061605573	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	2792.3830405474	Sum of GTIs [s]
date	2012-05-15T16:51:24	Date and time of file creation	ontime5	2792.465120554	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	2792.4240805507	Sum of GTIs [s]
			ontime7	2792.5061605573	Sum of GTIs [s]
			ontime8	2792.3420005441	Sum of GTIs [s]
			ontime9	2792.5472005606	Sum of GTIs [s]
			l1events	384573	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	61076	67939	60201	67232	68314	59811	grade 0 events	19138	7698	18812	9230	20309	18260
rejected events	27564	23572	24755	21513	28640	25694		31%	11%	31%	13%	29%	30%
rejected %	45%	34%	41%	31%	41%	42%	grade 1 events	185	87	122	49	136	144
								0%	0%	0%	0%	0%	0%
							grade 2 events	5336	15693	6213	10182	7164	6057
								8%	23%	10%	15%	10%	10%
							grade 3 events	2261	2252	2240	4445	2860	2259
								3%	3%	3%	6%	4%	3%
							grade 4 events	2277	2131	2291	4280	2760	2221
								3%	3%	3%	6%	4%	3%
							grade 5 events	1391	3566	1430	3535	1892	1579
								2%	5%	2%	5%	2%	2%
							grade 6 events	4500	16593	5890	17582	6581	5320
								7%	24%	9%	26%	9%	8%
							grade 7 events	25988	19919	23203	17929	26612	23971
								42%	29%	38%	26%	38%	40%

## 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	215.0243567625998
[deg] Pointing Dec	0	-30.0197350861666
[deg] Pointing Roll	0.0	283.9736356478815
[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)	328071640.074874	328071639.04989
Observation start date	2008-05-25T03:00:40	2008-05-25T03:00:39
[s] Observation end time (MET)	328077525.625161	328077524.60018
Observation end date	2008-05-25T04:38:46	2008-05-25T04:38:44
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)	2012.05.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.7925061605573

### **A.2 Comments**