

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55320 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 13 2012

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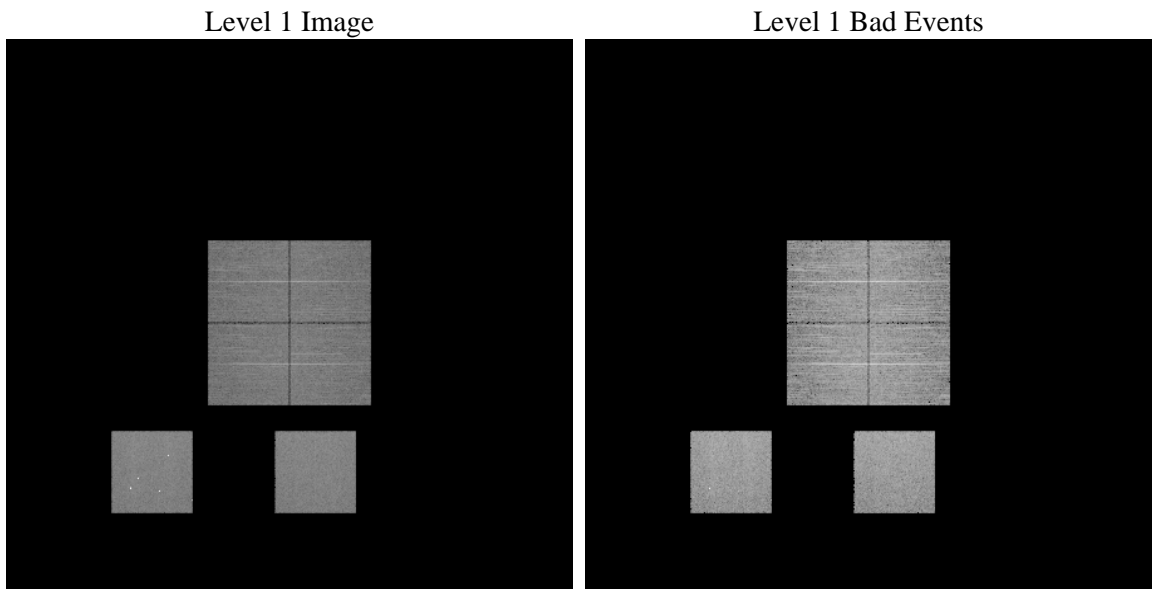
# 1 Front

seq_num	&#160	Sequence number
obs_id	55320	Observation id
title	ACIS-012357 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	289.18384791759	Nominal RA [deg]
dec_nom	-2.4837304400835	Nominal Dec [deg]
roll_nom	150.50234969381	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8131.1999697685	Sum of GTIs [s]
livetime	8028.2378197305	Livetime [s]
ontime0	8131.1999697685	Sum of GTIs [s]
ontime1	8131.1999697685	Sum of GTIs [s]
ontime2	8127.9589195251	Sum of GTIs [s]
ontime3	8131.1999697685	Sum of GTIs [s]
ontime5	8131.1999697685	Sum of GTIs [s]
ontime7	8131.1999697685	Sum of GTIs [s]
l2events	324892	Number of level 2 events

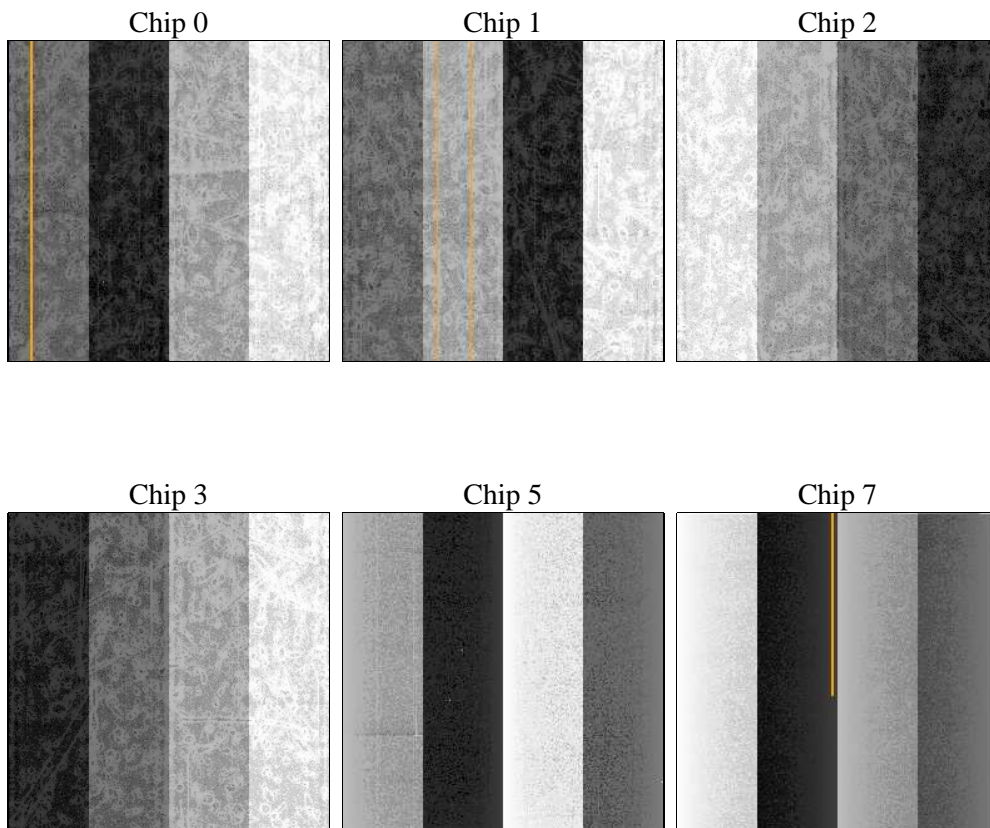
## 2 OBI

### 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	8.4.3	Processing system revision	ontime	8131.1999697685	Sum of GTIs [s]
caldsver	4.4.7	&#160	ontime0	8131.1999697685	Sum of GTIs [s]
date	2012-02-13T14:12:42	Date and time of file creation	ontime1	8131.1999697685	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8127.9589195251	Sum of GTIs [s]
			ontime3	8131.1999697685	Sum of GTIs [s]
			ontime5	8131.1999697685	Sum of GTIs [s]
			ontime7	8131.1999697685	Sum of GTIs [s]
			l1events	678511	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	99020	99492	100569	103472	142680	133278	grade 0 events	25510	24792	26042	26383	15683	12736
rejected events	51103	51793	53539	55664	58606	58491		25%	24%	25%	25%	10%	9%
rejected %	51%	52%	53%	53%	41%	43%	grade 1 events	163	112	142	188	627	92
								0%	0%	0%	0%	0%	0%
							grade 2 events	9131	9679	8200	8509	29392	16789
								9%	9%	8%	8%	20%	12%
							grade 3 events	3290	3193	3390	3296	3316	6761
								3%	3%	3%	3%	2%	5%
							grade 4 events	3202	3163	3220	3422	3081	6556
								3%	3%	3%	3%	2%	4%
							grade 5 events	3156	3260	3063	3627	6874	8702
								3%	3%	3%	3%	4%	6%
							grade 6 events	7675	7817	7119	7136	34111	33426
								7%	7%	7%	6%	23%	25%
							grade 7 events	46893	47476	49393	50911	49596	48216
								47%	47%	49%	49%	34%	36%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012357	ACIS-012357
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	289.1838479175859
[deg] Pointing Dec	0	-2.483730440083486
[deg] Pointing Roll	0.0	150.5023496938134
[mm] SIM focus pos	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	425631585.008781	425631585.008781
Observation start date	2011-06-28T06:59:45	2011-06-28T06:59:45
[s] Observation end time (MET)	425641057.717465	425641057.717465
Observation end date	2011-06-28T09:37:38	2011-06-28T09:37:37
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)	2012.02.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1311999697685

### A.2 Comments