

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55060 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 26 2012

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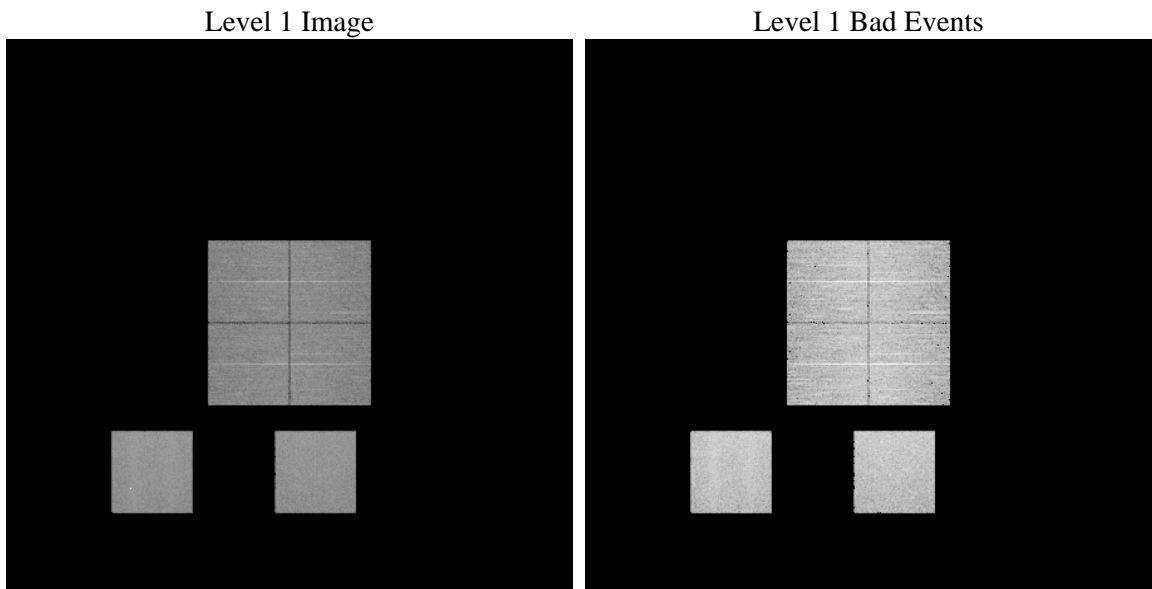
# 1 Front

seq_num	&#160	Sequence number
obs_id	55060	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	242.77216885174	Nominal RA [deg]
dec_nom	37.684773218152	Nominal Dec [deg]
roll_nom	264.79353664501	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8140.7999697328	Sum of GTIs [s]
livetime	8037.7162587148	Livetime [s]
ontime0	8140.7999697328	Sum of GTIs [s]
ontime1	8140.7999697328	Sum of GTIs [s]
ontime2	8140.7999697328	Sum of GTIs [s]
ontime3	8140.7999697328	Sum of GTIs [s]
ontime5	8140.7999697328	Sum of GTIs [s]
ontime7	8140.7999697328	Sum of GTIs [s]
l2events	304112	Number of level 2 events

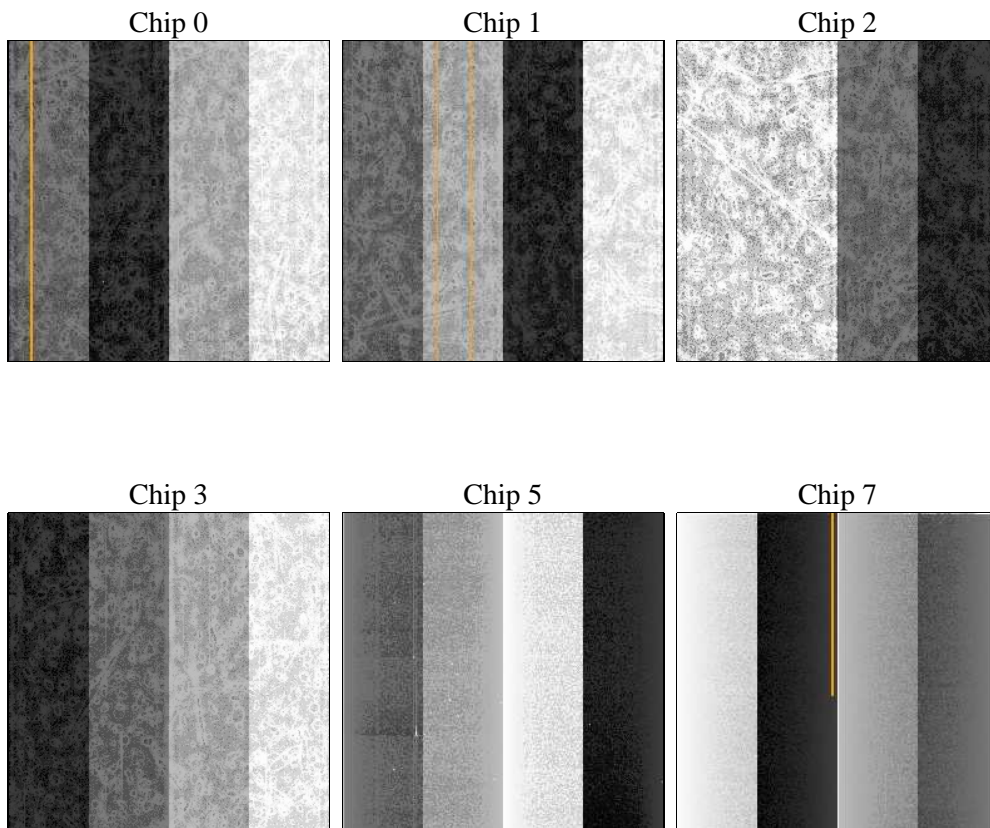
## 2 OBI

### 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	8140.7999697328	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	8140.7999697328	Sum of GTIs [s]
date	2012-02-26T16:39:20	Date and time of file creation	ontime1	8140.7999697328	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8140.7999697328	Sum of GTIs [s]
			ontime3	8140.7999697328	Sum of GTIs [s]
			ontime5	8140.7999697328	Sum of GTIs [s]
			ontime7	8140.7999697328	Sum of GTIs [s]
			l1events	660628	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	96927	97657	98088	101339	136131	130486	grade 0 events	22464	20948	23829	23561	7196	11220
rejected events	53636	53955	54778	57950	61012	59163		23%	21%	24%	23%	5%	8%
rejected %	55%	55%	55%	57%	44%	45%	grade 1 events	138	103	162	145	172	100
								0%	0%	0%	0%	0%	0%
							grade 2 events	8681	10390	7916	7967	27807	16147
								8%	10%	8%	7%	20%	12%
							grade 3 events	2997	2771	2991	2952	3093	6227
								3%	2%	3%	2%	2%	4%
							grade 4 events	2859	2761	2868	3005	2974	5852
								2%	2%	2%	2%	2%	4%
							grade 5 events	3177	3128	2918	3458	6548	8438
								3%	3%	2%	3%	4%	6%
							grade 6 events	7080	7636	6535	6684	35443	33134
								7%	7%	6%	6%	26%	25%
							grade 7 events	49531	49920	50869	53567	52898	49368
								51%	51%	51%	52%	38%	37%

## 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	242.7721688517392
[deg] Pointing Dec	0	37.68477321815169
[deg] Pointing Roll	0.0	264.7935366450128
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	437544528.648305	437544528.648305
Observation start date	2011-11-13T04:08:49	2011-11-13T04:08:48
[s] Observation end time (MET)	437554345.593093	437554345.593093
Observation end date	2011-11-13T06:52:26	2011-11-13T06:52:25
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)	2012.02.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1407999697328

### A.2 Comments