

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55034 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 27 2012

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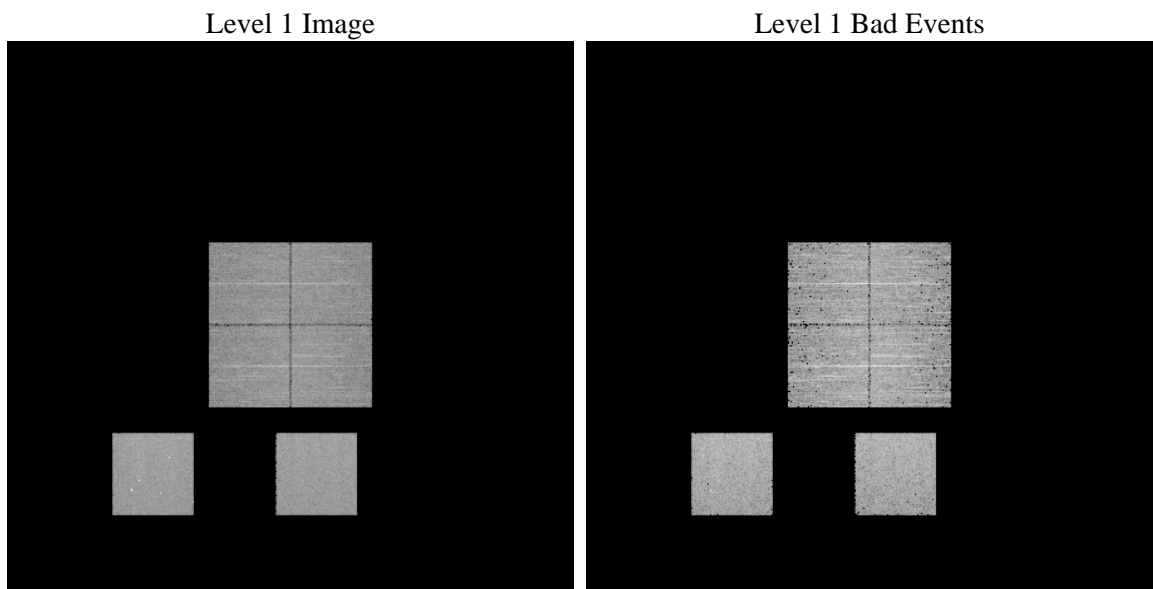
# 1 Front

seq_num	&#160	Sequence number
obs_id	55034	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	6.9300211184575	Nominal RA [deg]
dec_nom	30.869330505575	Nominal Dec [deg]
roll_nom	263.60207963282	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5007.7051613927	Sum of GTIs [s]
livetime	4944.2945833611	Livetime [s]
ontime0	5007.6641213894	Sum of GTIs [s]
ontime1	5007.6230813861	Sum of GTIs [s]
ontime2	5007.5820413828	Sum of GTIs [s]
ontime3	5007.746201396	Sum of GTIs [s]
ontime5	5007.5410013795	Sum of GTIs [s]
ontime7	5007.7051613927	Sum of GTIs [s]
l2events	198364	Number of level 2 events

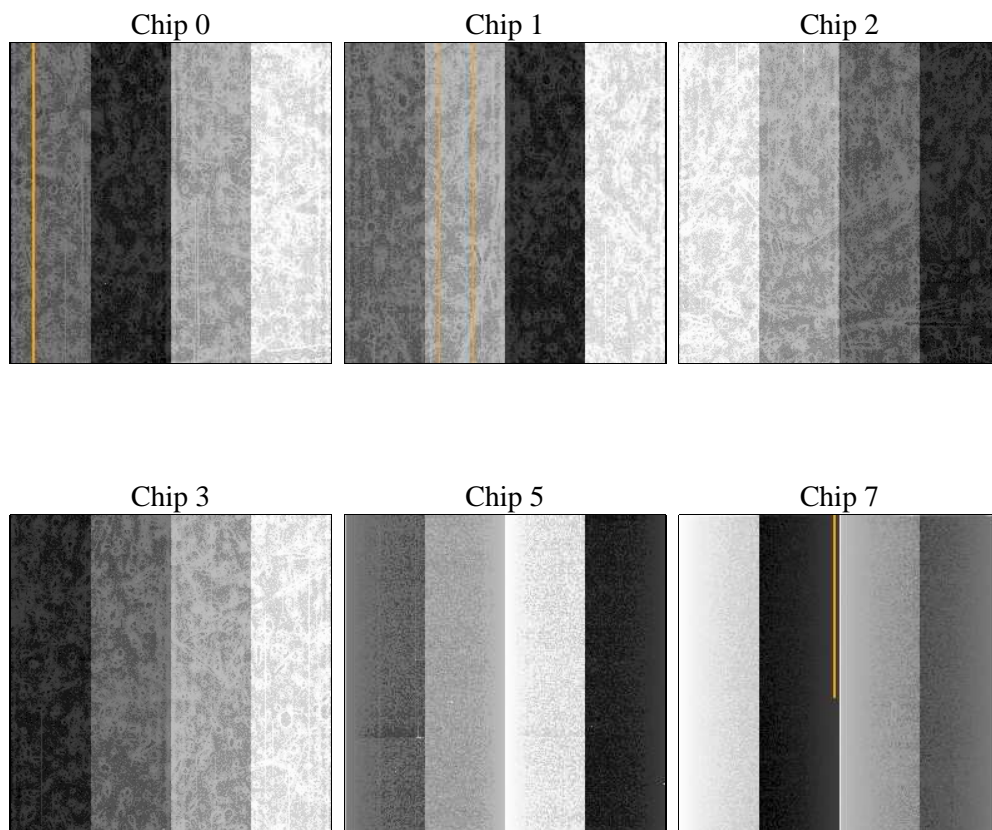
## 2 OBI

### 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	8.4.3	Processing system revision	ontime	5007.7051613927	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	5007.6641213894	Sum of GTIs [s]
date	2012-02-27T13:30:35	Date and time of file creation	ontime1	5007.6230813861	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5007.5820413828	Sum of GTIs [s]
			ontime3	5007.746201396	Sum of GTIs [s]
			ontime5	5007.5410013795	Sum of GTIs [s]
			ontime7	5007.7051613927	Sum of GTIs [s]
			l1events	421343	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	60544	61003	63675	64820	87766	83535	grade 0 events	15258	14997	15624	15619	7306	7928
rejected events	32228	32187	35101	36198	38352	37096		25%	24%	24%	24%	8%	9%
rejected %	53%	52%	55%	55%	43%	44%	grade 1 events	83	81	91	104	104	61
								0%	0%	0%	0%	0%	0%
							grade 2 events	5346	5763	5260	5142	17905	10482
								8%	9%	8%	7%	20%	12%
							grade 3 events	2038	2002	2037	2092	2008	4179
								3%	3%	3%	3%	2%	5%
							grade 4 events	1938	1928	1946	2094	1969	4240
								3%	3%	3%	3%	2%	5%
							grade 5 events	2094	2167	2050	2336	4729	5635
								3%	3%	3%	3%	5%	6%
							grade 6 events	4593	4931	4543	4485	21633	20871
								7%	8%	7%	6%	24%	24%
							grade 7 events	29194	29134	32124	32948	32112	30139
								48%	47%	50%	50%	36%	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	6.930021118457546
[deg] Pointing Dec	0	30.86933050557523
[deg] Pointing Roll	0.0	263.6020796328189
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)	438657939.056959	438657939.056959
Observation start date	2011-11-26T01:25:39	2011-11-26T01:25:39
[s] Observation end time (MET)	438664332.320756	438664332.320756
Observation end date	2011-11-26T03:12:12	2011-11-26T03:12:12
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0077051613927

### A.2 Comments